

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\  
 Data File : VX009899.D  
 Acq On : 24 May 2019 20:04  
 Operator : JC/SP  
 Sample : K3032-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 9:52:18 AM

Quant Time: May 25 01:49:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 163001   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 267906   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 247507   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 122748   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65   | 112336   | 50.48 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 100.96% |          |
| 35) Dibromofluoromethane    | 5.50   | 113  | 78474    | 46.60 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 93.20%  |          |
| 50) Toluene-d8              | 8.71   | 98   | 322638   | 47.45 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.90%  |          |
| 62) 4-Bromofluorobenzene    | 11.13  | 95   | 120240   | 48.67 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.34%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 63811    | 42.482  | ug/l   | 99     |
| 3) Chloromethane              | 1.32 | 50   | 101042   | 49.271  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.41 | 62   | 126313   | 63.165  | ug/l   | 98     |
| 5) Bromomethane               | 1.64 | 94   | 51056    | 42.538  | ug/l   | 96     |
| 6) Chloroethane               | 1.71 | 64   | 59867    | 46.629  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 116220   | 47.812  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.19 | 74   | 54753    | 47.553  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101  | 69341    | 45.427  | ug/l   | 100    |
| 10) Methyl Iodide             | 2.51 | 142  | 71328    | 41.116  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 3.06 | 59   | 122180   | 237.211 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 75010    | 49.045  | ug/l   | 98     |
| 13) Acrolein                  | 2.29 | 56   | 105217   | 225.563 | ug/l   | 100    |
| 14) Allyl chloride            | 2.73 | 41   | 179906   | 48.268  | ug/l   | 99     |
| 15) Acrylonitrile             | 3.14 | 53   | 315292   | 250.354 | ug/l   | 99     |
| 16) Acetone                   | 2.45 | 43   | 312836   | 261.826 | ug/l   | 97     |
| 17) Carbon Disulfide          | 2.57 | 76   | 207206   | 48.255  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.78 | 43   | 131792   | 46.381  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73   | 283230   | 47.689  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.85 | 84   | 88513    | 45.753  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96   | 317574   | 191.464 | ug/l   | 97     |
| 22) Diisopropyl ether         | 3.85 | 45   | 353193   | 49.275  | ug/l   | 95     |
| 23) Vinyl Acetate             | 3.82 | 43   | 1490717  | 242.870 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 167537   | 47.381  | ug/l   | 99     |
| 25) 2-Butanone                | 4.68 | 43   | 479110   | 258.041 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 4.59 | 77   | 100409   | 38.150  | ug/l # | 42     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96   | 817599   | 412.971 | ug/l   | 92     |
| 28) Bromochloromethane        | 5.02 | 49   | 85774    | 60.855  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 5.13 | 42   | 315376   | 263.959 | ug/l   | 96     |
| 30) Chloroform                | 5.21 | 83   | 153224   | 47.911  | ug/l   | 98     |
| 31) Cyclohexane               | 5.58 | 56   | 160956   | 48.926  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 124989   | 46.949  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 116393   | 46.750  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.84 | 43   | 164145   | 47.319  | ug/l # | 80     |
| 38) Carbon Tetrachloride      | 5.79 | 117  | 103876   | 45.921  | ug/l   | 99     |

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 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 9:52:18 AM

Quant Time: May 25 01:49:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 140429   | 45.928   | ug/l   | 96       |
| 40) Benzene                    | 6.14  | 78   | 360871   | 46.835   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.04  | 41   | 102166   | 49.477   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 133551   | 48.319   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.45  | 43   | 267567   | 48.222   | ug/l   | 98       |
| 44) Trichloroethene            | 7.21  | 130  | 1989537  | 1068.074 | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 103655   | 47.509   | ug/l   | 97       |
| 46) Dibromomethane             | 7.66  | 93   | 58513    | 46.183   | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 118549   | 46.907   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.77  | 41   | 142932   | 51.922   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 45427    | 813.714  | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 949160   | 261.714  | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 221144   | 47.215   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 135947   | 47.645   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 147819   | 46.805   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 87705    | 45.899   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 167564   | 49.125   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 157478   | 46.832   | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 733949   | 257.673  | ug/l   | 97       |
| 60) Dibromochloromethane       | 9.58  | 129  | 88839    | 47.602   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 91884    | 47.636   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 71763    | 42.269   | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 228374   | 46.124   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 80871    | 45.053   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 422116   | 46.324   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 310138   | 93.138   | ug/l   | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 150028   | 45.665   | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 268014   | 46.935   | ug/l   | 98       |
| 71) Bromoform                  | 10.85 | 173  | 68938    | 47.259   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 402190   | 45.058   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 243385   | 46.769   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 154046   | 46.295   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 133224m  | 46.789   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 100072   | 45.169   | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 468758   | 45.984   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 281712   | 44.793   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 341851   | 45.484   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 48943    | 43.981   | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 326894   | 46.009   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 333032   | 45.550   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 344308   | 45.640   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 390920   | 45.099   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 355092   | 45.568   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 177669   | 44.985   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 179119   | 44.984   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 330359   | 46.904   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 60904    | 45.875   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 176441   | 43.861   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 34581    | 46.327   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 126594   | 46.019   | ug/l   | 98       |

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Sample : K3032-02MS  
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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

Manual Integrations  
APPROVED

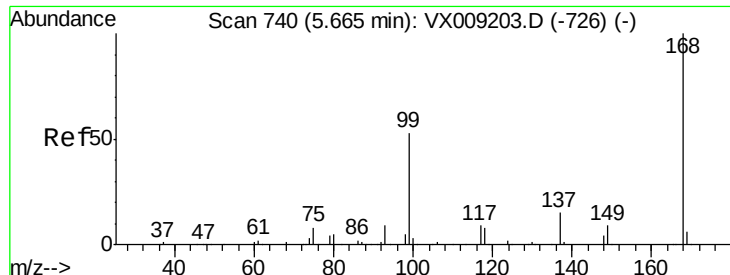
MMDadoda  
5/28/2019 9:52:18 AM

Quant Time: May 25 01:49:16 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 63891    | 45.481 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 411610   | 45.991 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 124493   | 44.645 | 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: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion:168 Resp: 163001

Ion Ratio Lower Upper

168 100

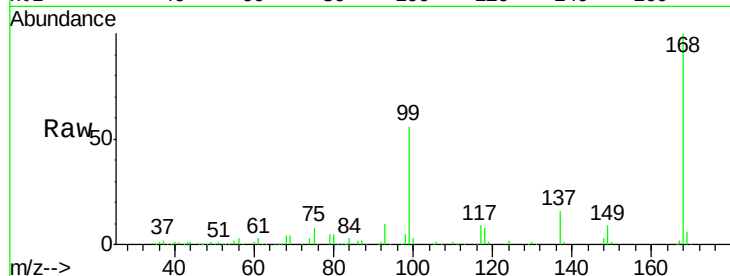
99 55.6 42.3 63.5

Manual Integrations

APPROVED

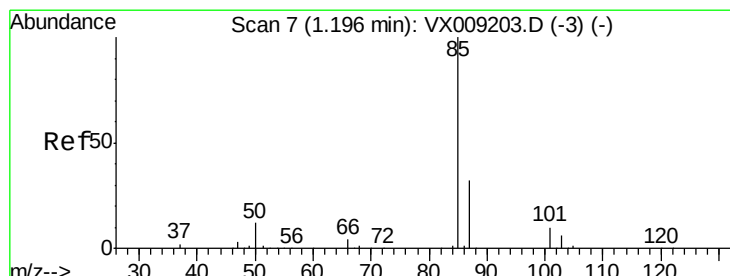
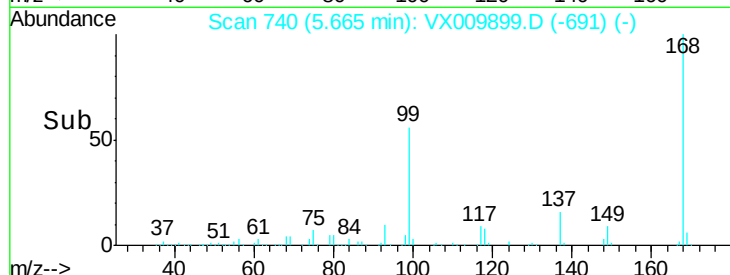
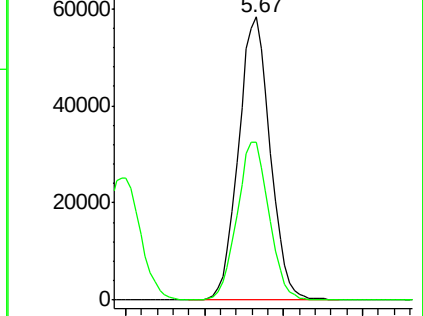
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.482 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009899.D

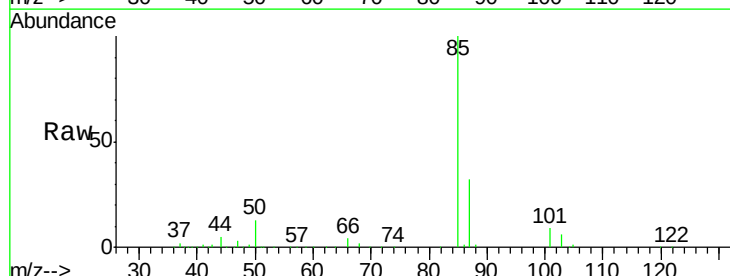
Acq: 24 May 2019 20:04

Tgt Ion: 85 Resp: 63811

Ion Ratio Lower Upper

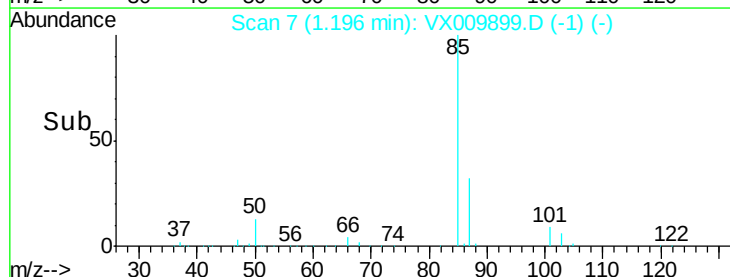
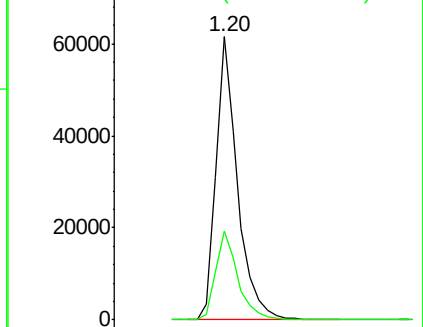
85 100

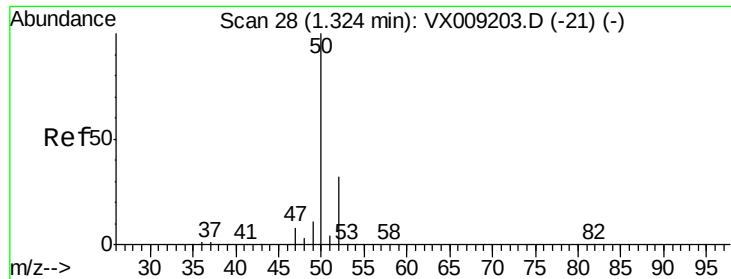
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.271 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampled :

S32-0657MS

Tot Ion: 50 Resp: 101042

Ion Ratio Lower Upper

50 100

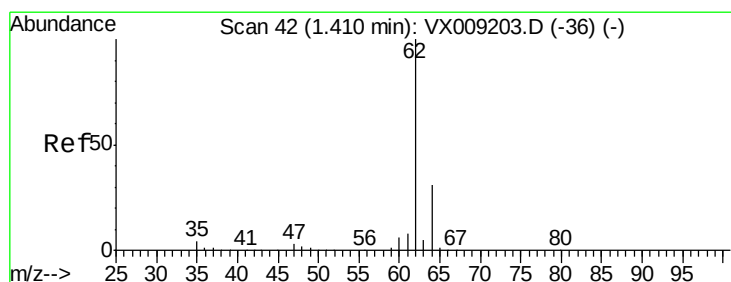
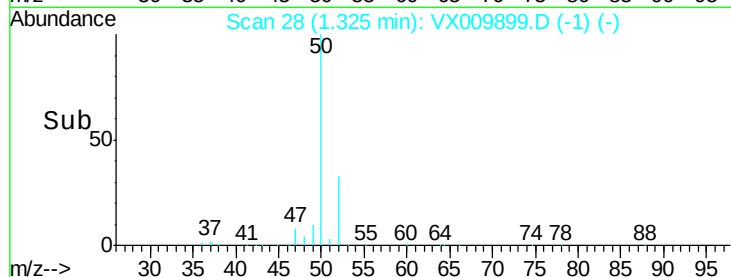
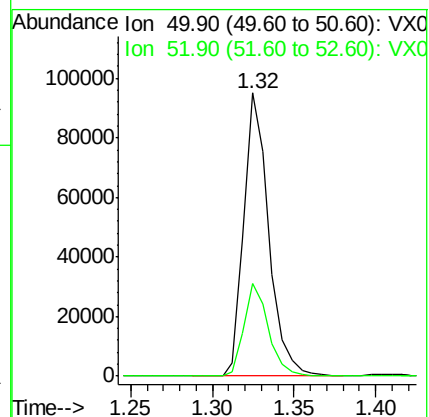
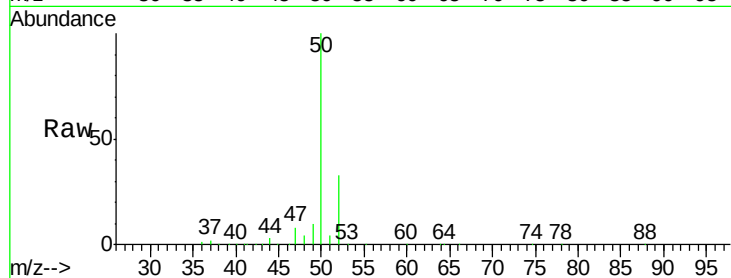
52 32.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 63.165 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009899.D

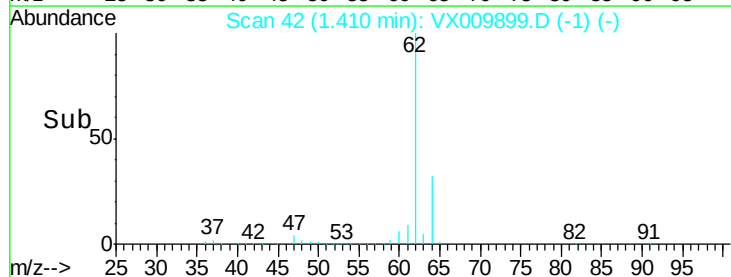
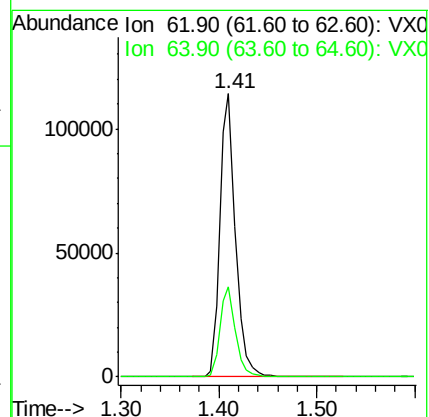
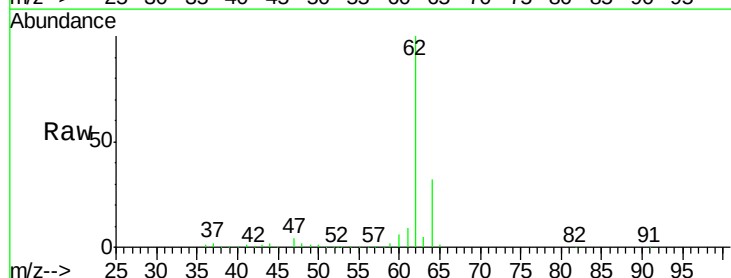
Acq: 24 May 2019 20:04

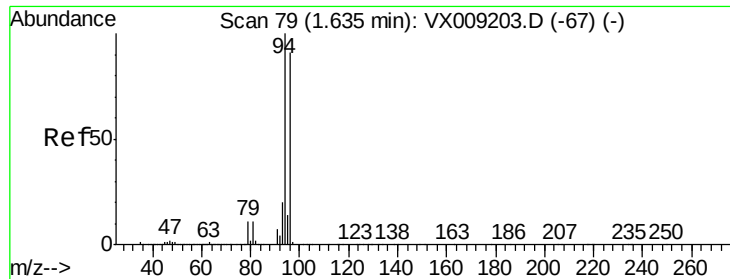
Tgt Ion: 62 Resp: 126313

Ion Ratio Lower Upper

62 100

64 31.9 24.6 36.8





#5

Bromomethane

Concen: 42.538 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion: 94 Resp: 51056

Ion Ratio Lower Upper

94 100

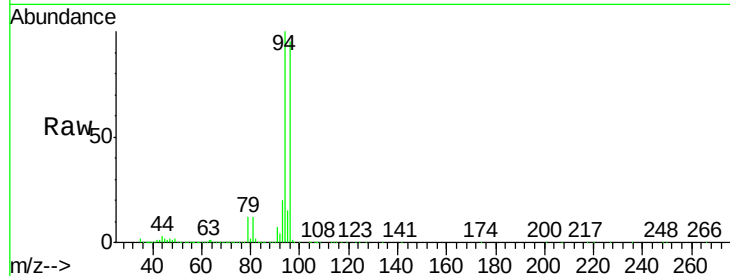
96 95.1 73.0 109.6

Manual Integrations

APPROVED

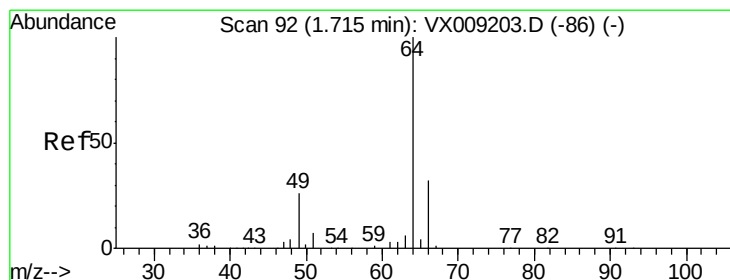
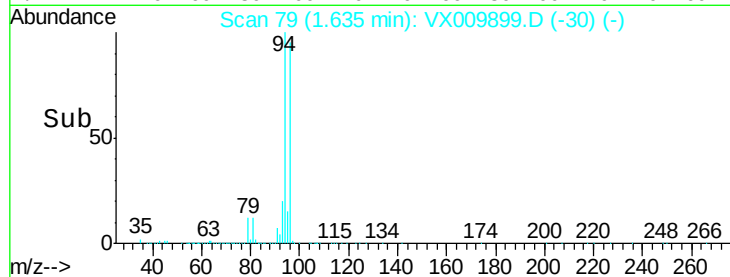
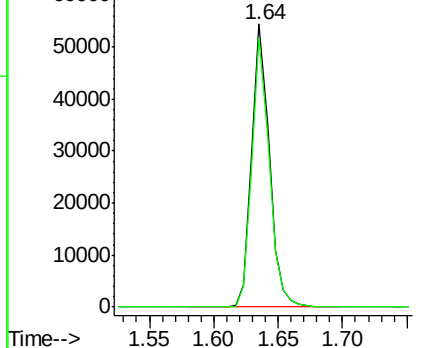
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.629 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009899.D

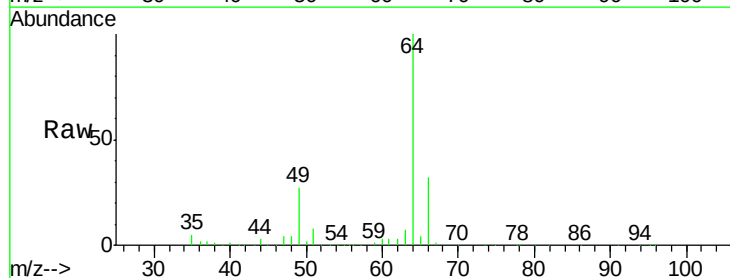
Acq: 24 May 2019 20:04

Tgt Ion: 64 Resp: 59867

Ion Ratio Lower Upper

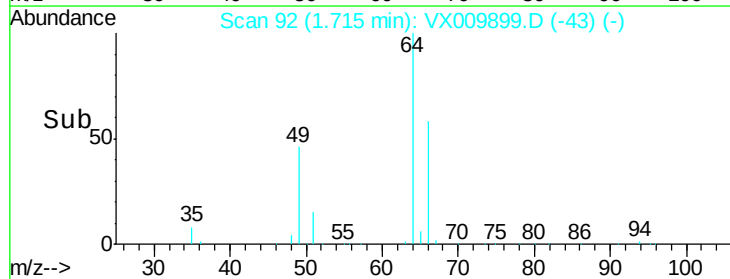
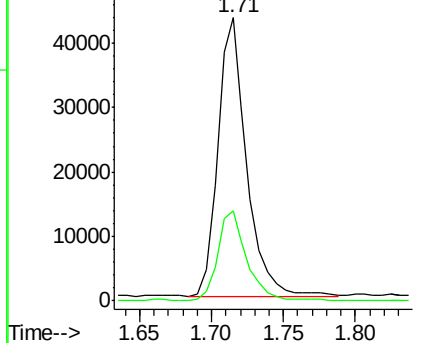
64 100

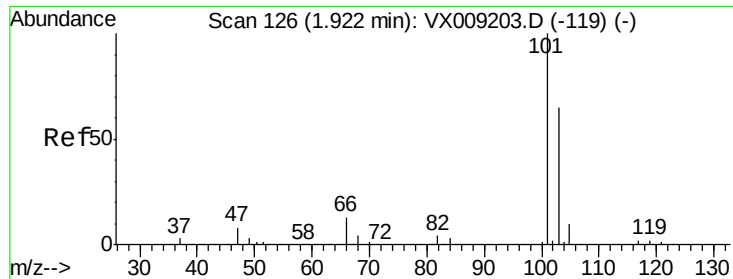
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

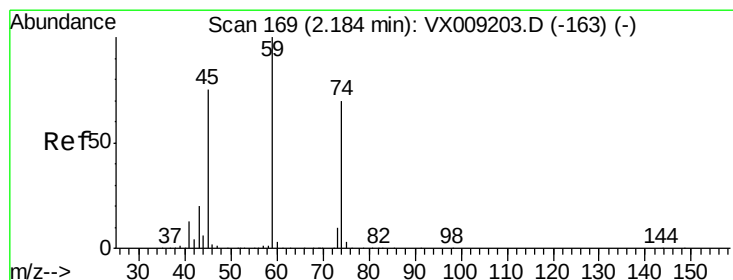
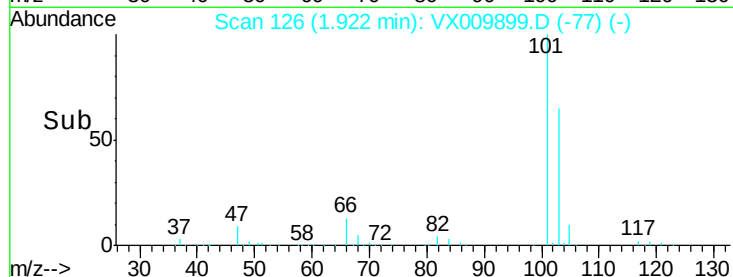
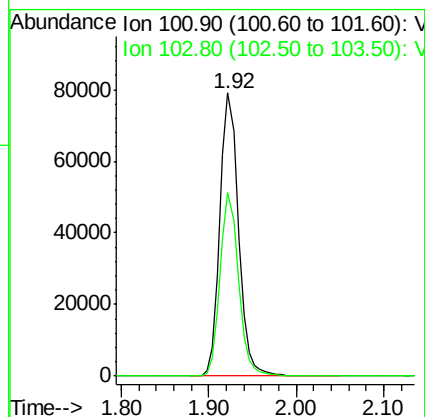
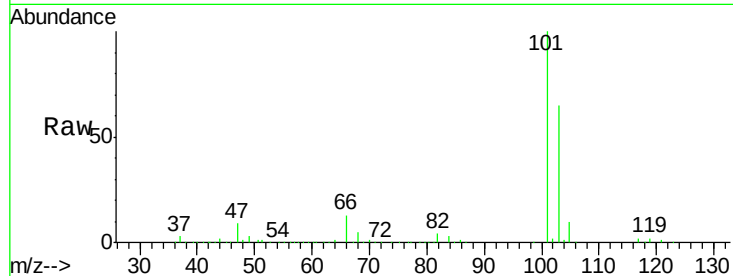
Trichlorofluoromethane  
 Concen: 47.812 ug/l  
 RT: 1.92 min Scan# 126  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

Tot Ion:101 Resp: 116220  
 Ion Ratio Lower Upper  
 101 100  
 103 64.7 52.4 78.6

Manual Integrations  
 APPROVED

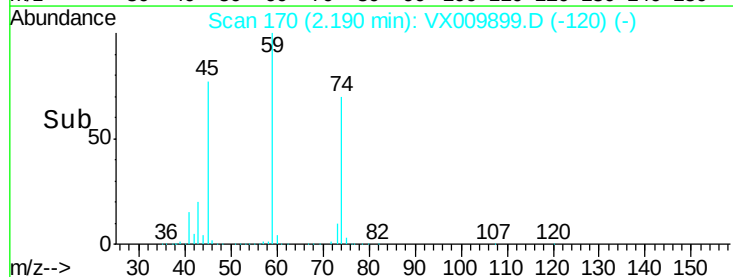
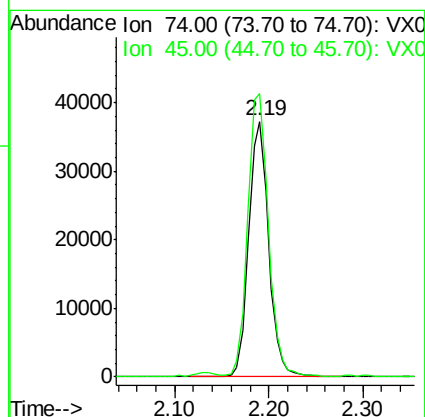
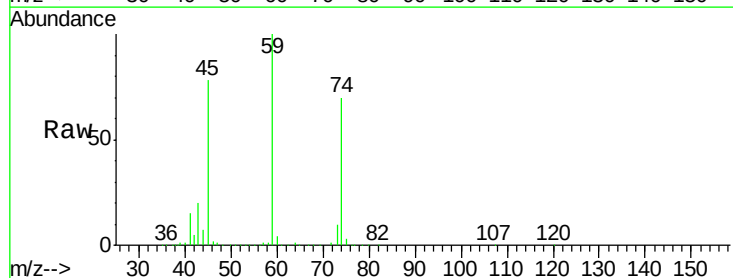
MMDadoda  
 5/28/2019 9:52:18 AM



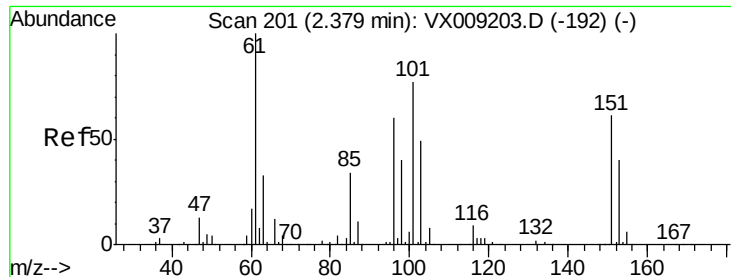
#8

Diethyl Ether  
 Concen: 47.553 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. 0.01 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Tgt Ion: 74 Resp: 54753  
 Ion Ratio Lower Upper  
 74 100  
 45 114.1 53.3 159.9







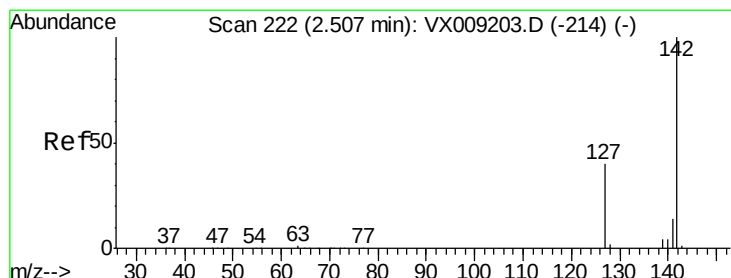
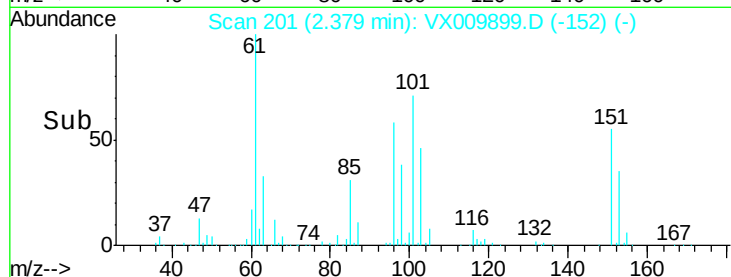
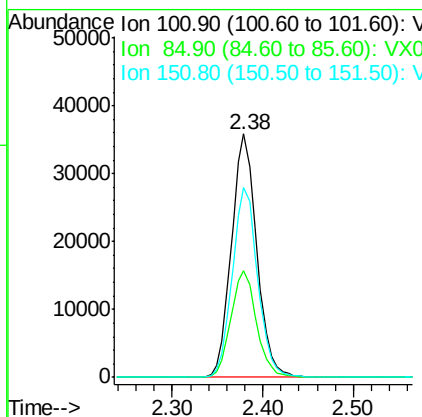
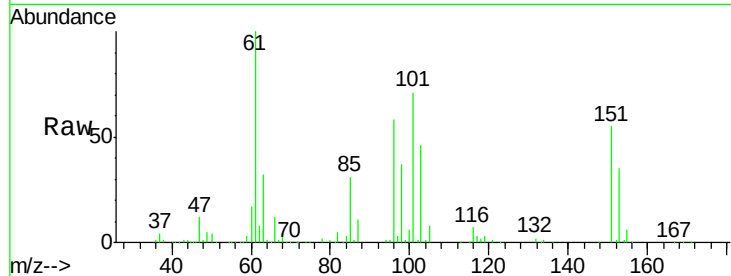
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.427 ug/l  
RT: 2.38 min Scan# 201  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 69341 |       |       |
| 85      | 44.5  | 35.7  | 53.5  |       |
| 151     | 78.3  | 62.2  | 93.2  |       |

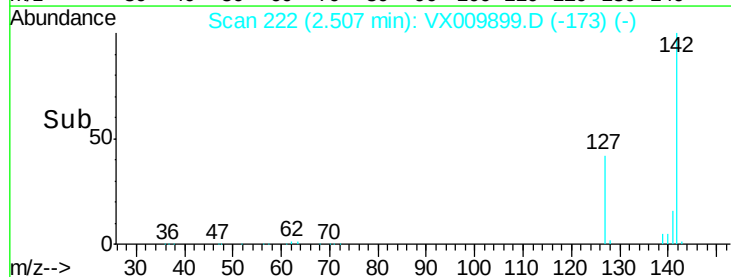
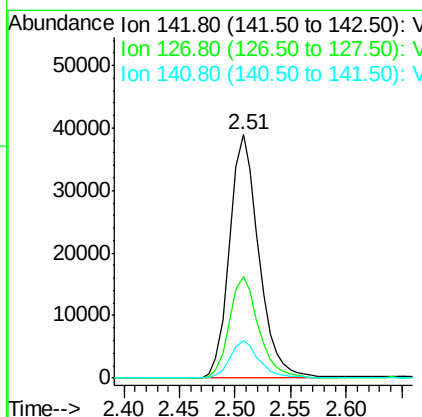
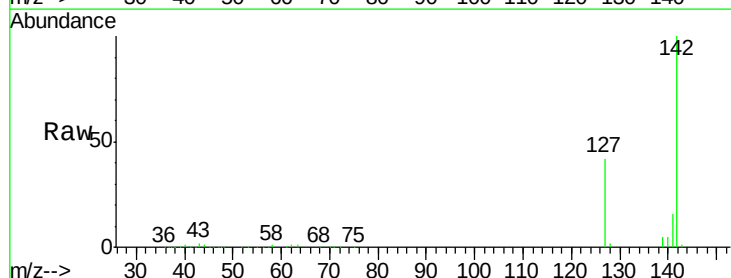
Manual Integrations  
APPROVED

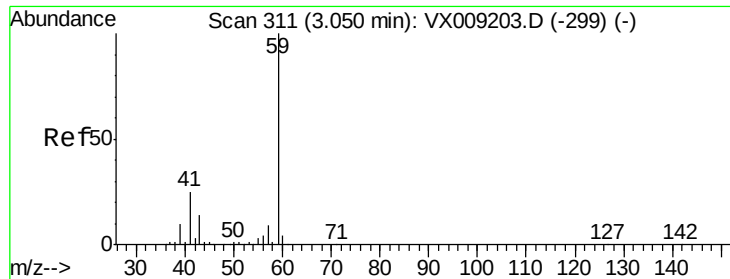
MMDadoda  
5/28/2019 9:52:18 AM



#10  
Methyl Iodide  
Concen: 41.116 ug/l  
RT: 2.51 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 71328 |       |       |
| 127     | 41.6  | 32.7  | 49.1  |       |
| 141     | 15.1  | 11.5  | 17.3  |       |





#11

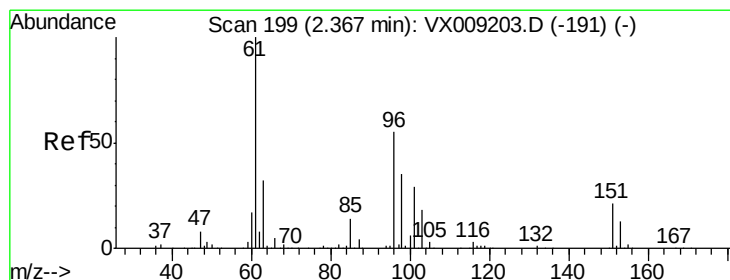
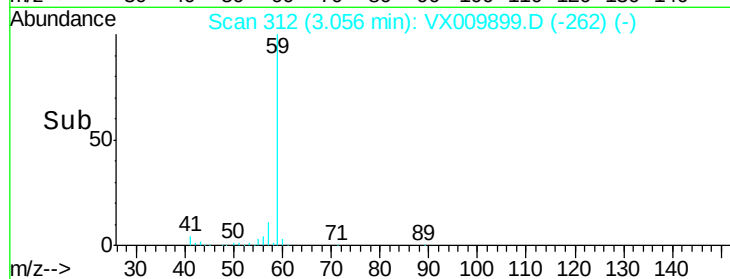
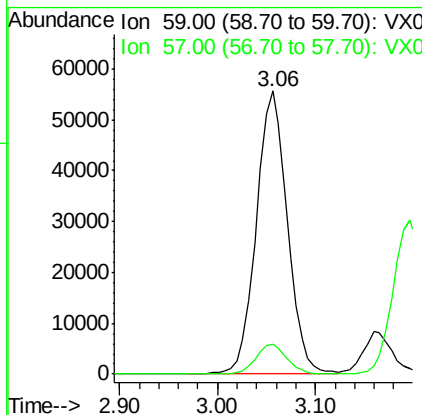
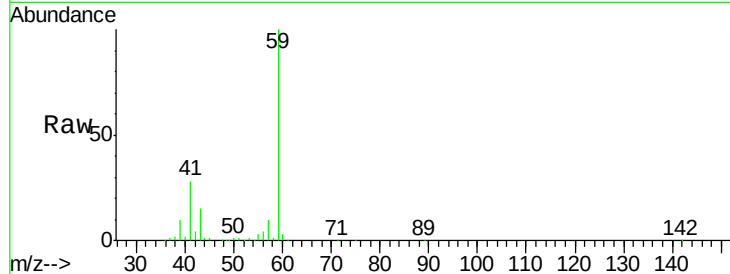
Tert butyl alcohol  
Concen: 237.211 ug/l  
RT: 3.06 min Scan# 312  
Delta R.T. 0.01 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.6  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

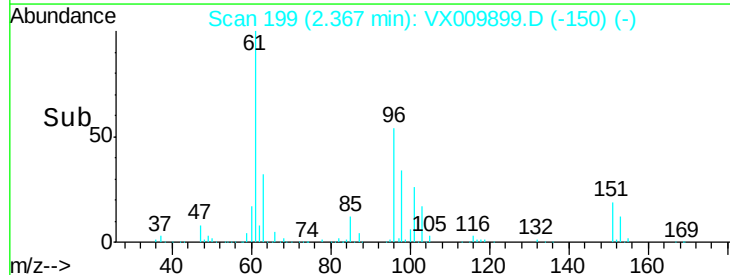
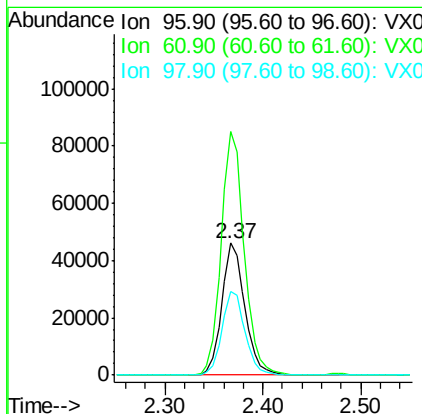
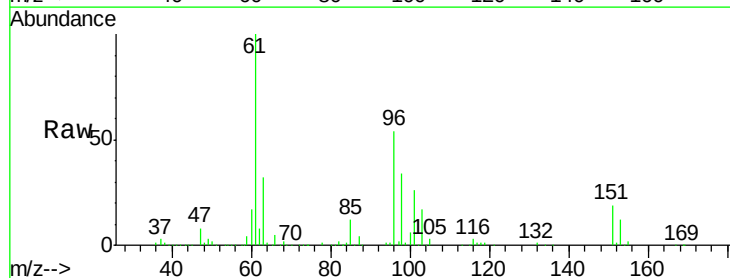
MMDadoda  
5/28/2019 9:52:18 AM

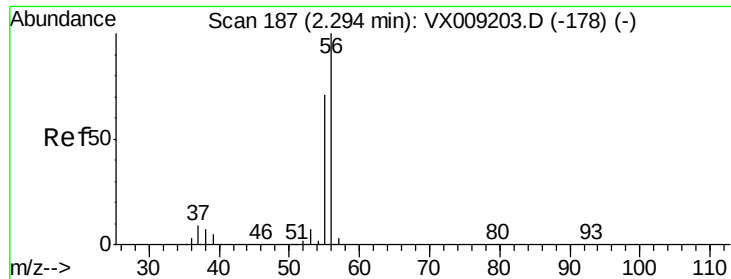


#12

1,1-Dichloroethene  
Concen: 49.045 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 184.3 | 144.3 | 216.5 |
| 98      | 63.2  | 50.3  | 75.5  |





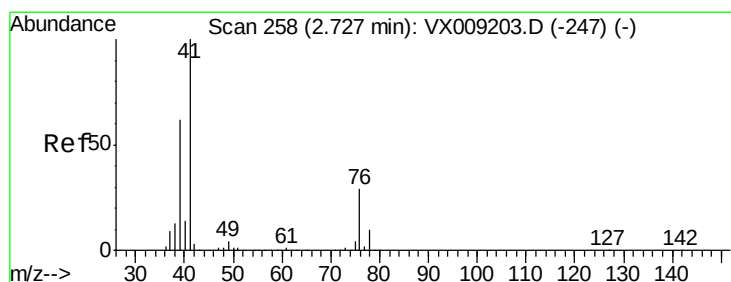
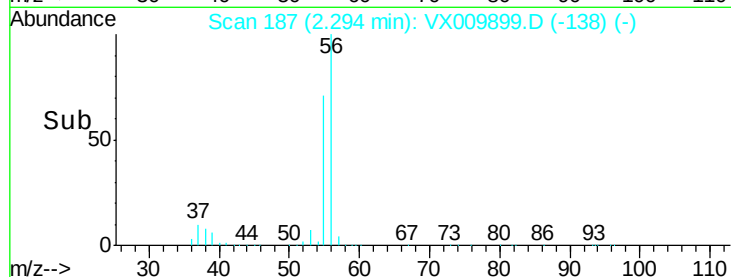
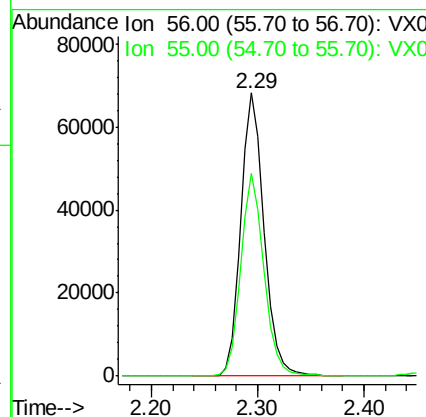
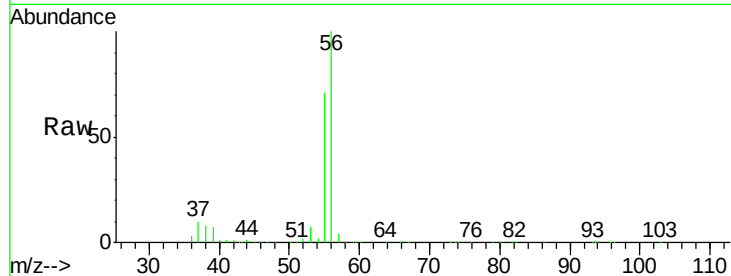
#13  
Acrolein  
Concen: 225.563 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 70.6  | 56.6  | 85.0  |

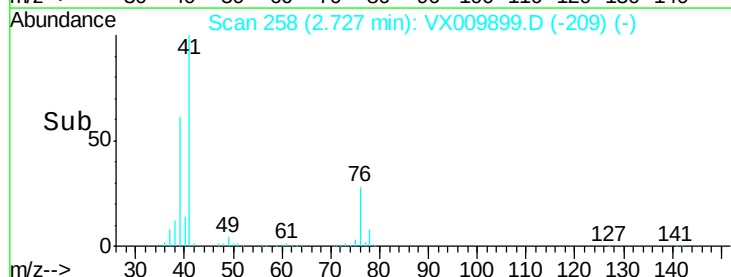
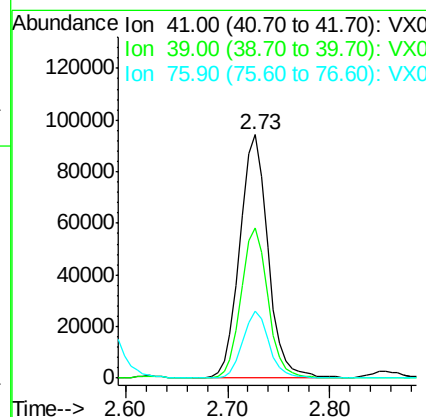
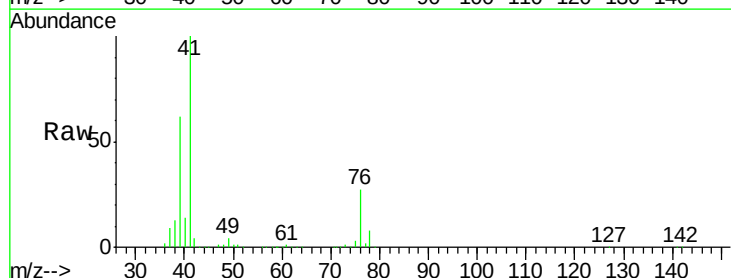
Manual Integrations  
APPROVED

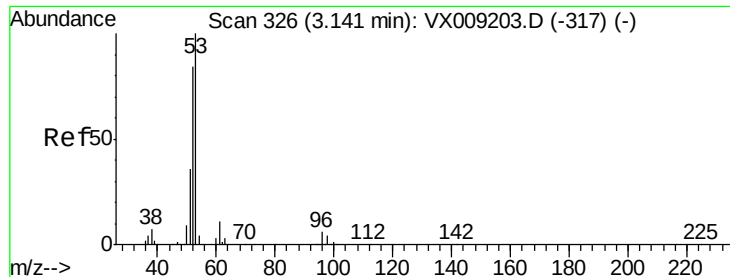
MMDadoda  
5/28/2019 9:52:18 AM



#14  
Allyl chloride  
Concen: 48.268 ug/l  
RT: 2.73 min Scan# 258  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.7  | 46.7  | 70.1  |
| 76      | 25.6  | 21.8  | 32.8  |





#15

Acrylonitrile

Concen: 250.354 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

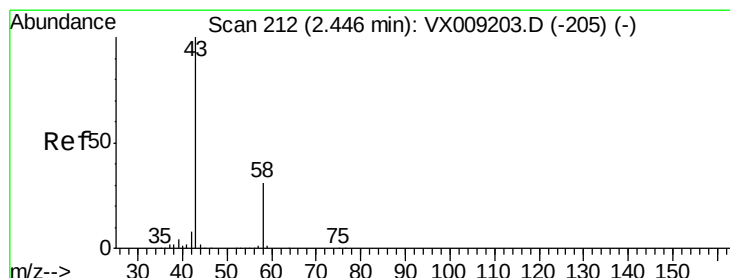
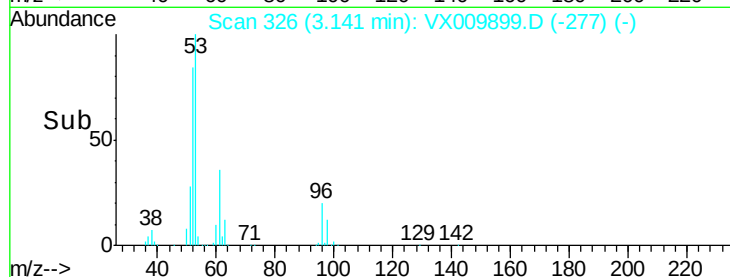
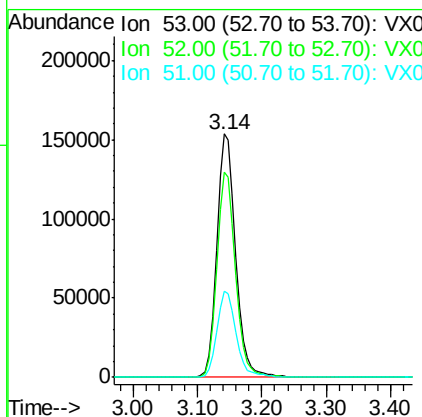
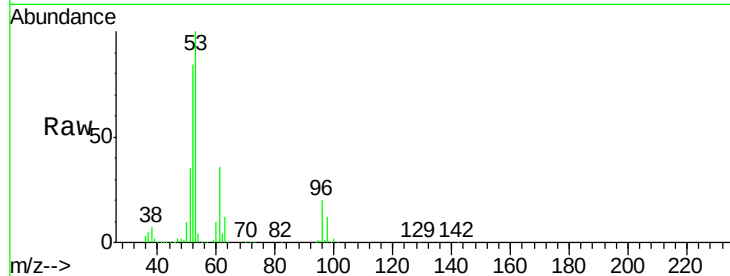
ClientSampleId :

S32-0657MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 315292 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 84.1 | 66.9  | 100.3  |
| 51        | 36.2 | 28.2  | 42.2   |

Manual Integrations  
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5/28/2019 9:52:18 AM



#16

Acetone

Concen: 261.826 ug/l

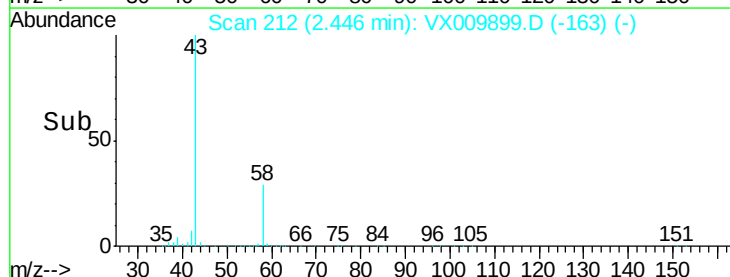
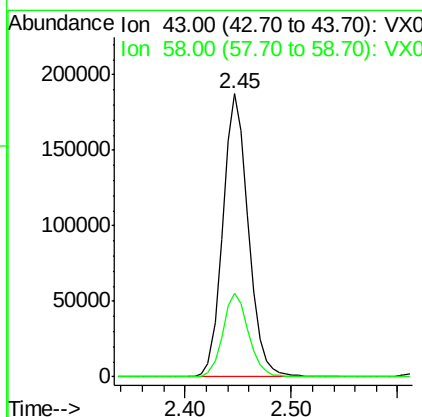
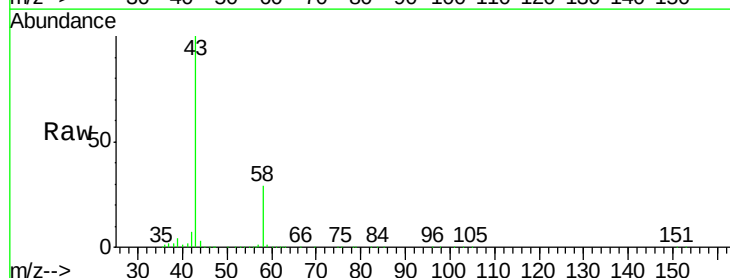
RT: 2.45 min Scan# 212

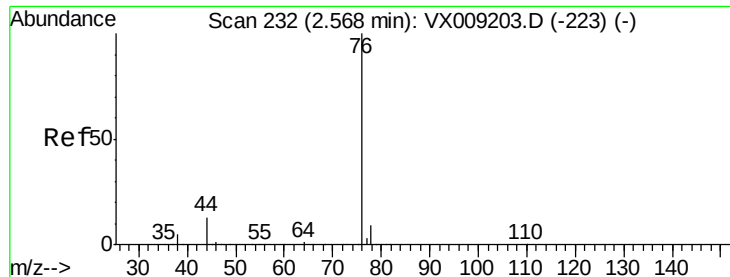
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 312836 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 29.4 | 24.9  | 37.3   |





#17

Carbon Disulfide

Concen: 48.255 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion: 76 Resp: 207206

Ion Ratio Lower Upper

76 100

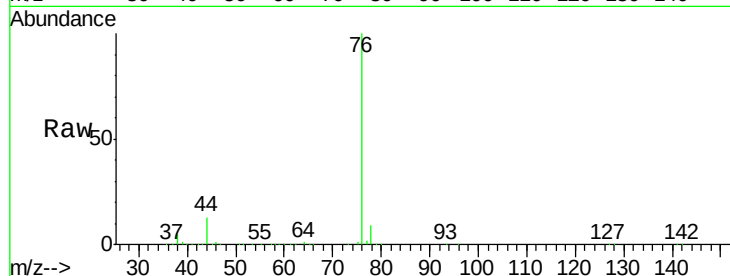
78 9.4 7.4 11.0

Manual Integrations

APPROVED

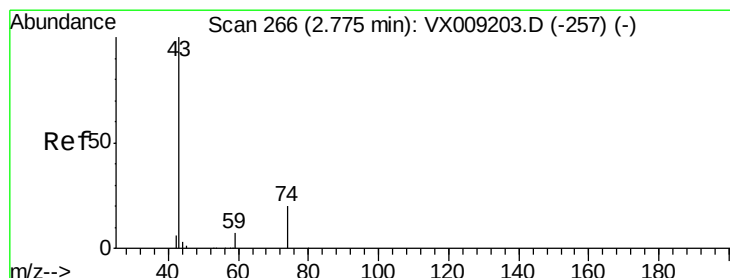
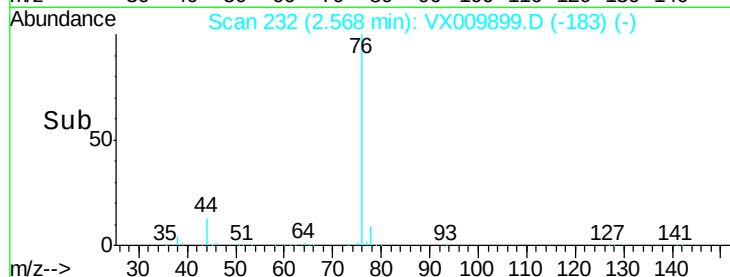
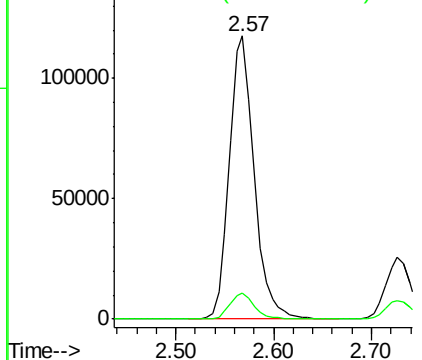
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 46.381 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009899.D

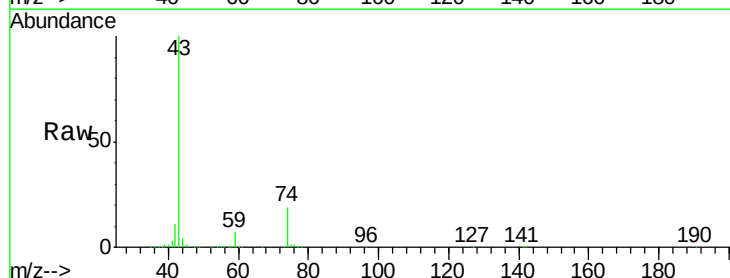
Acq: 24 May 2019 20:04

Tgt Ion: 43 Resp: 131792

Ion Ratio Lower Upper

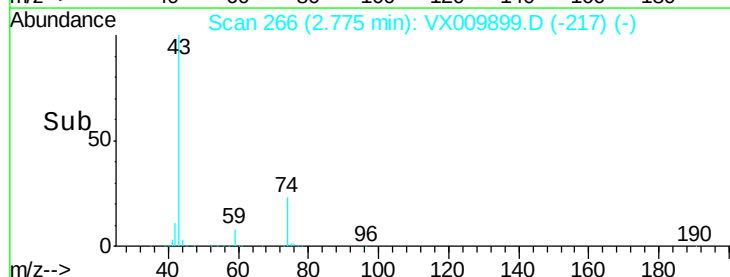
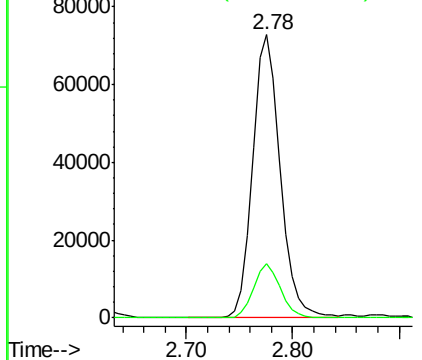
43 100

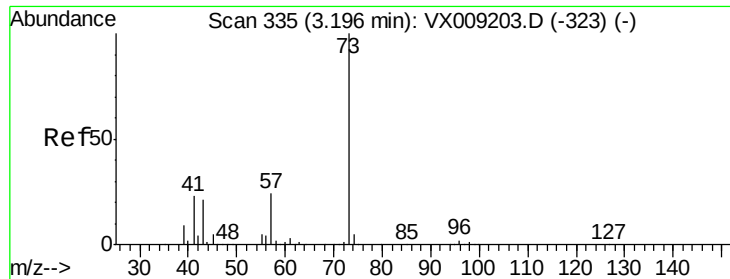
74 19.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





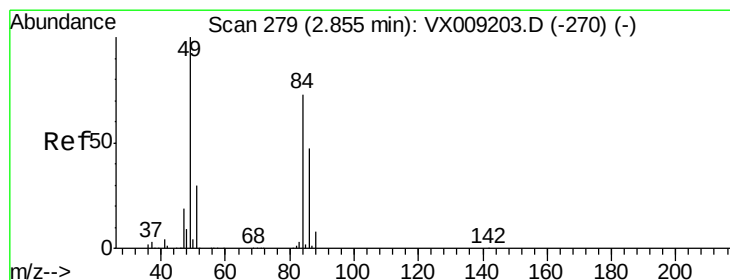
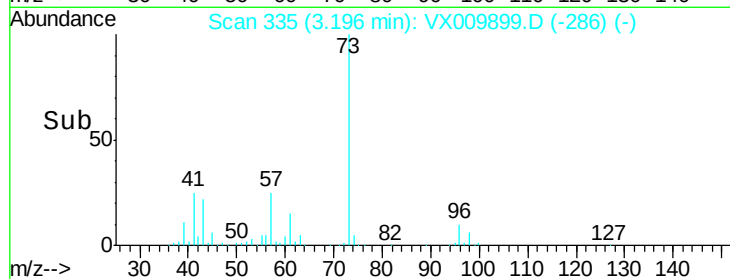
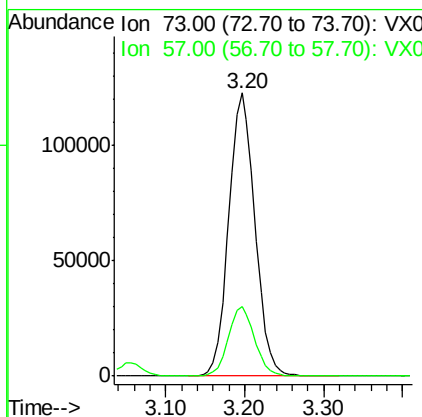
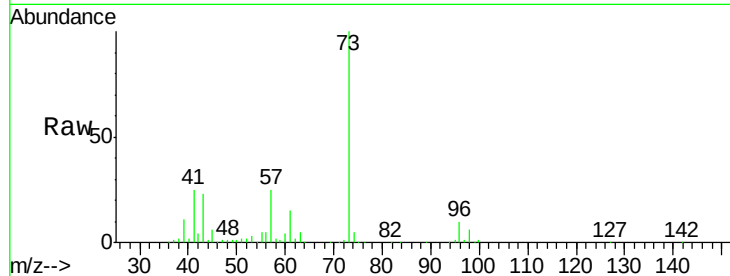
#19  
Methyl tert-butyl Ether  
Concen: 47.689 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.7  | 19.3  | 28.9  |

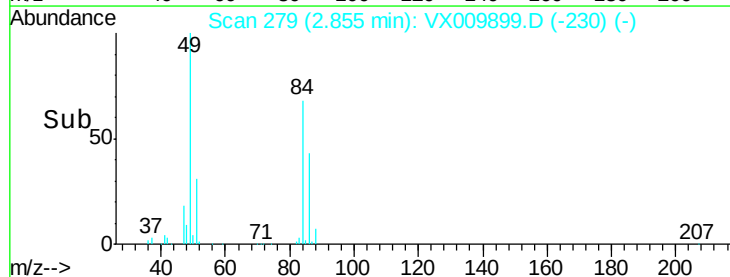
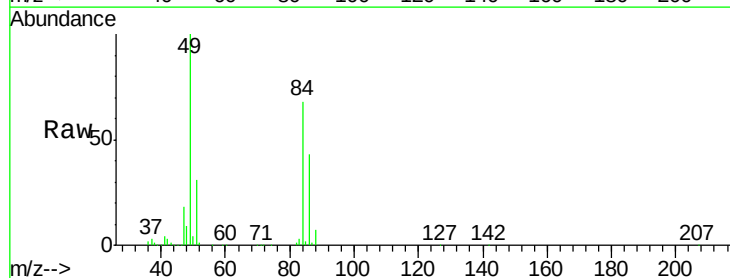
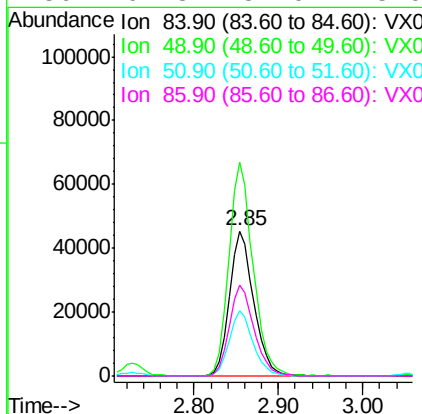
Manual Integrations  
APPROVED

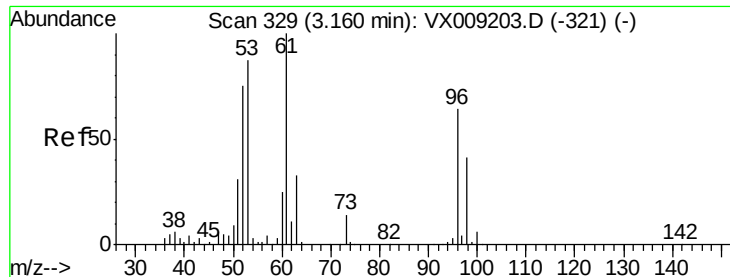
MMDadoda  
5/28/2019 9:52:18 AM



#20  
Methylene Chloride  
Concen: 45.753 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 147.2 | 109.9 | 164.9 |
| 51      | 44.9  | 32.7  | 49.1  |
| 86      | 62.8  | 52.0  | 78.0  |





#21

trans-1,2-Dichloroethene

Concen: 191.464 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

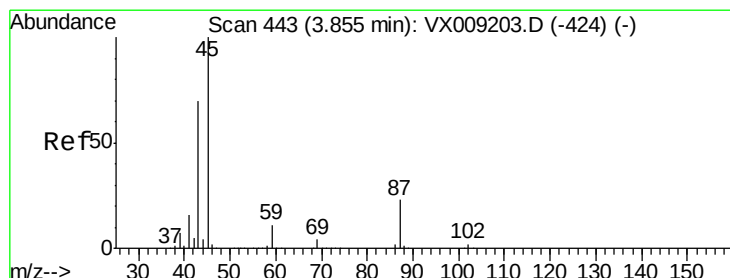
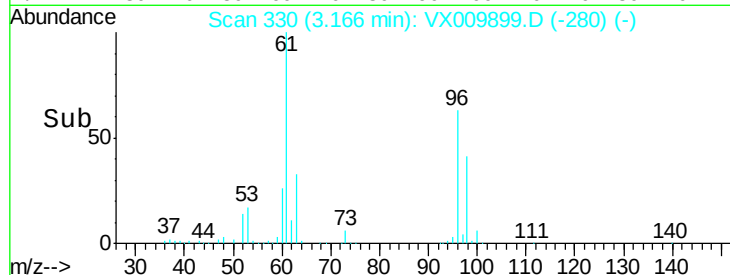
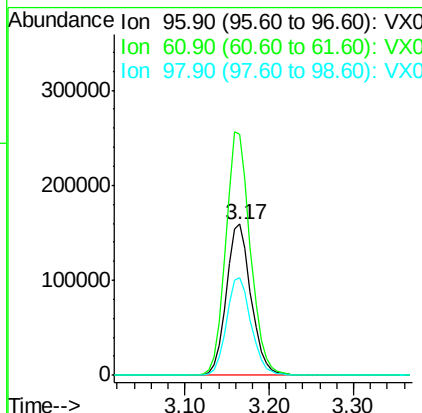
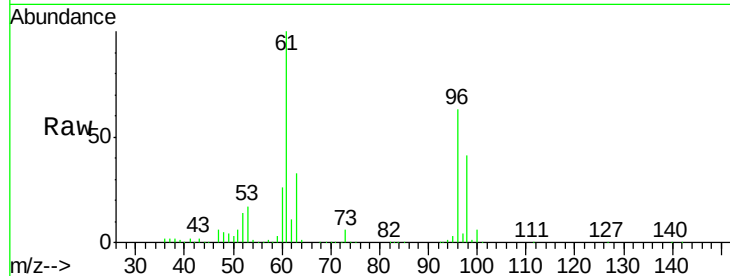
ClientSampleId :

S32-0657MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 317574 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 159.1 | 124.5 | 186.7  |
| 98       | 64.8  | 50.4  | 75.6   |

Manual Integrations  
APPROVED

MMDadoda  
5/28/2019 9:52:18 AM



#22

Diisopropyl ether

Concen: 49.275 ug/l

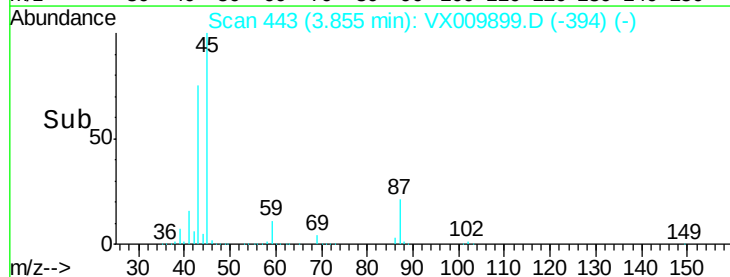
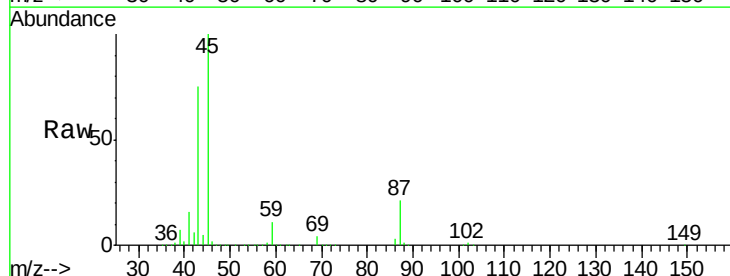
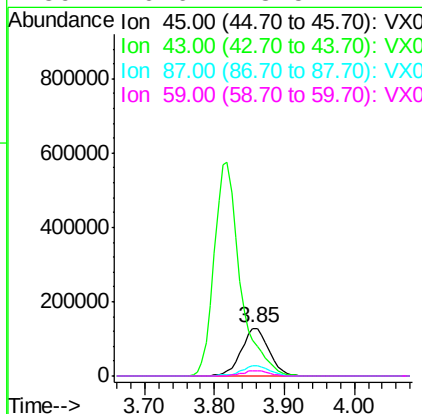
RT: 3.85 min Scan# 443

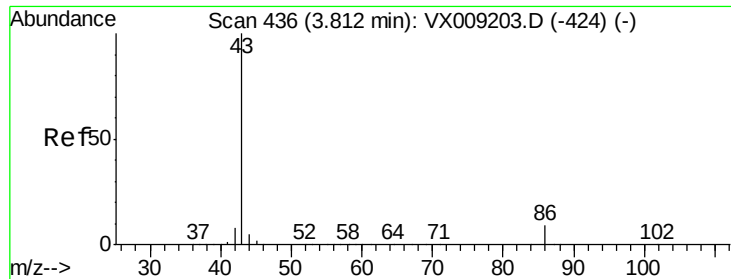
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 353193 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 75.1  | 56.1  | 84.1   |
| 87       | 21.0  | 18.1  | 27.1   |
| 59       | 10.6  | 8.5   | 12.7   |





#23

Vinyl Acetate

Concen: 242.870 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion: 43 Resp: 1490717

Ion Ratio Lower Upper

43 100

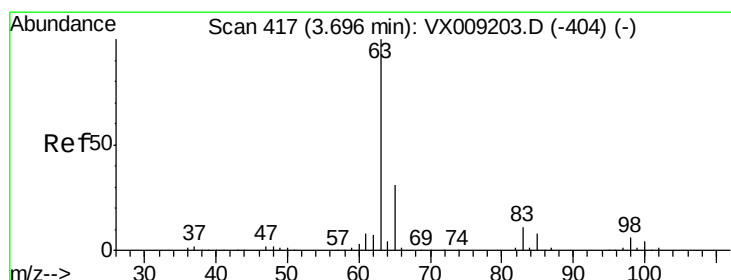
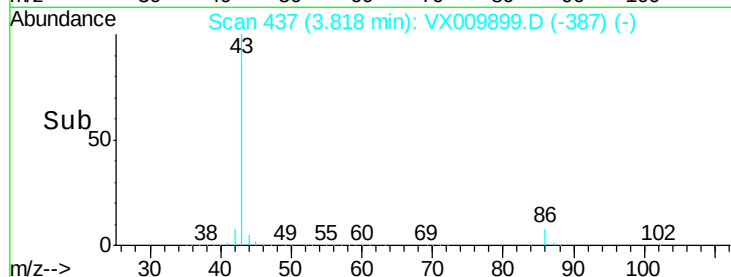
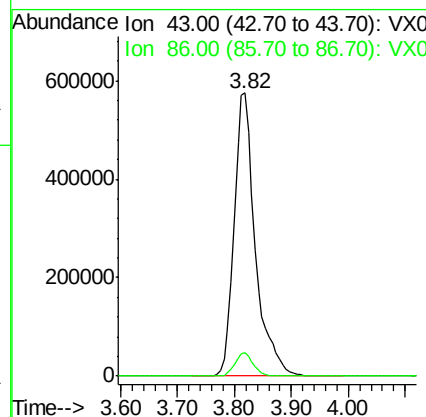
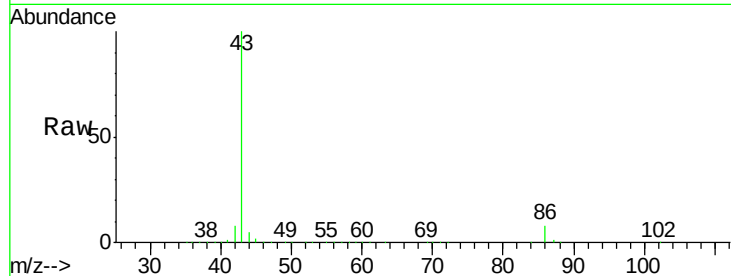
86 8.1 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 47.381 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

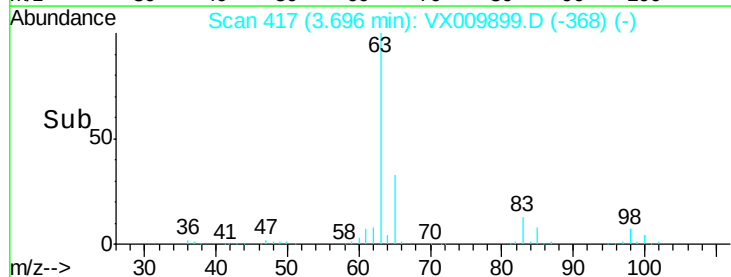
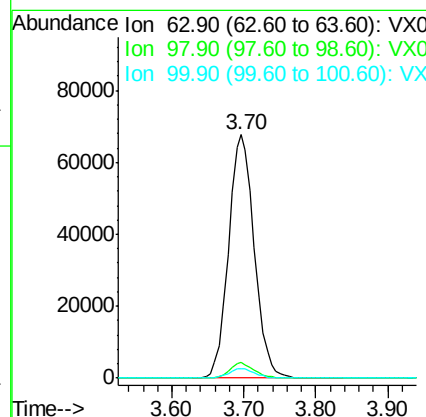
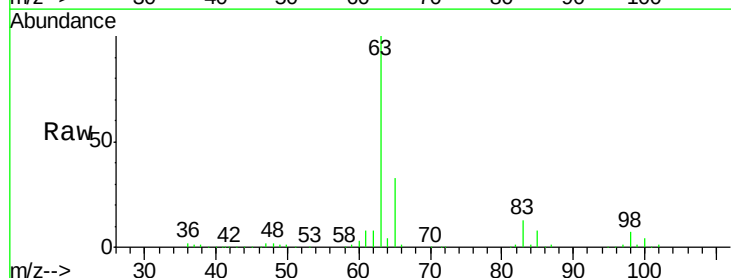
Tgt Ion: 63 Resp: 167537

Ion Ratio Lower Upper

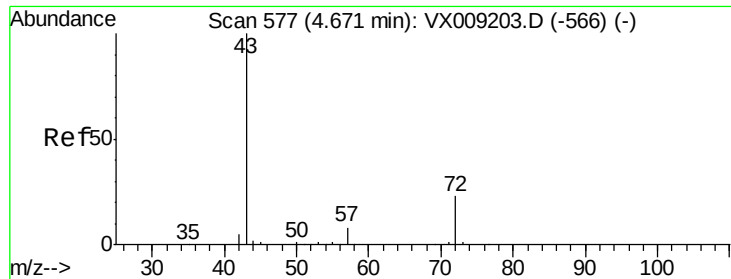
63 100

98 6.6 3.0 9.2

100 4.0 2.0 6.0







#25

2-Butanone

Concen: 258.041 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion: 43 Resp: 479110

Ion Ratio Lower Upper

43 100

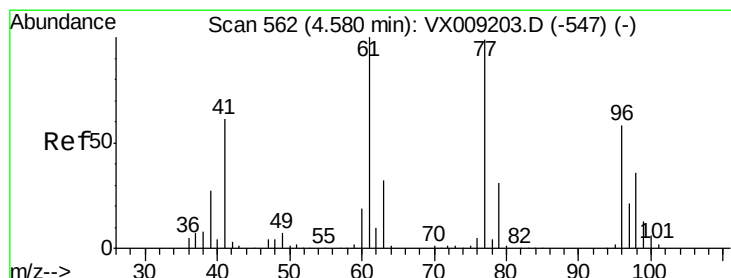
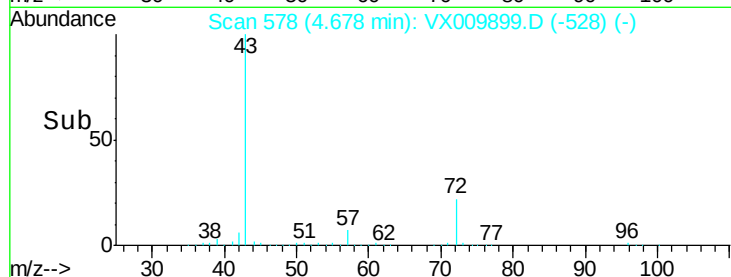
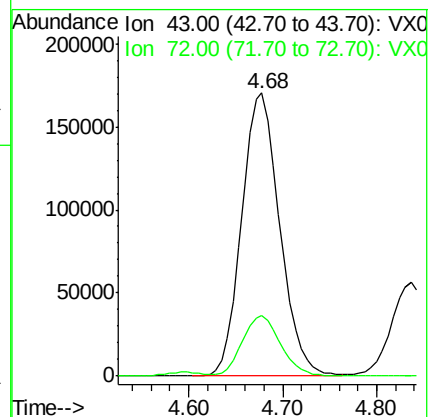
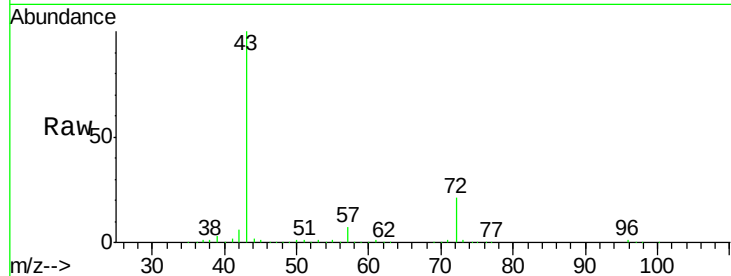
72 21.4 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 38.150 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009899.D

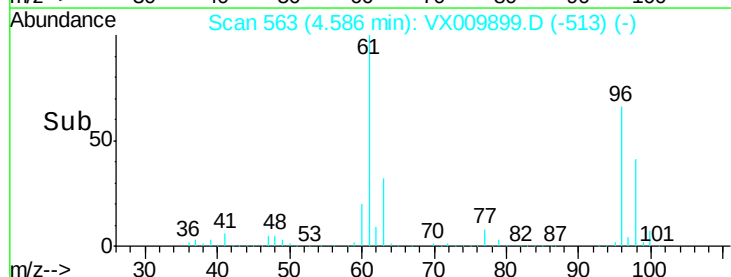
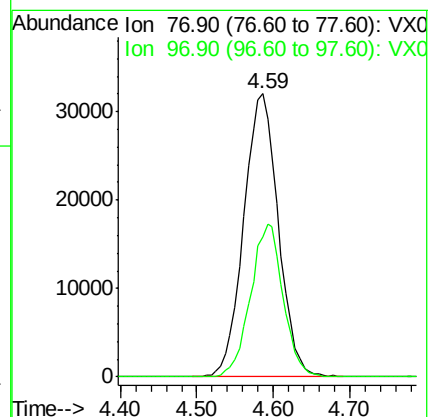
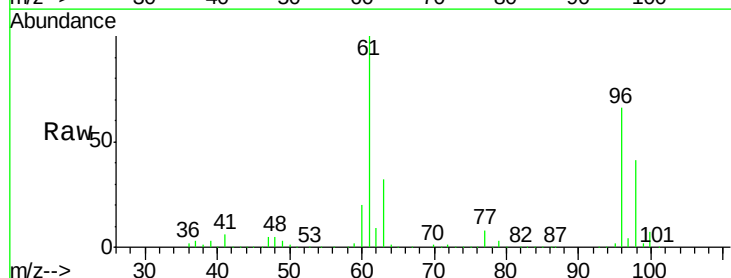
Acq: 24 May 2019 20:04

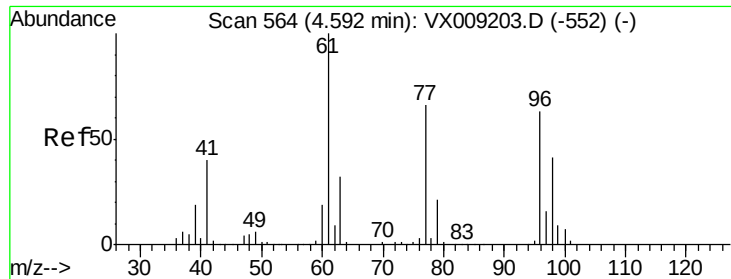
Tgt Ion: 77 Resp: 100409

Ion Ratio Lower Upper

77 100

97 51.1 11.5 34.4#





#27

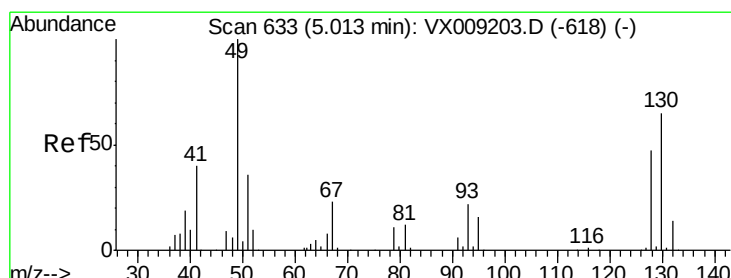
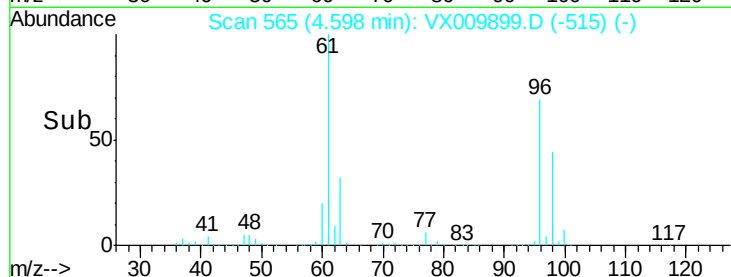
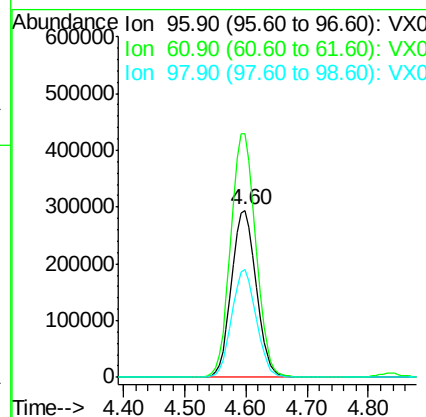
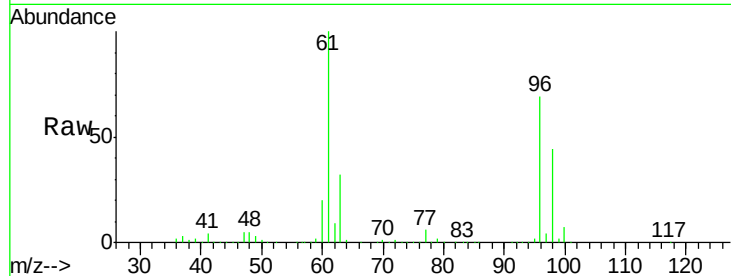
cis-1,2-Dichloroethene  
Concen: 412.971 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 817599 |       |       |
| 61      | 148.2 | 0.0    | 324.0 |       |
| 98      | 64.0  | 0.0    | 130.4 |       |

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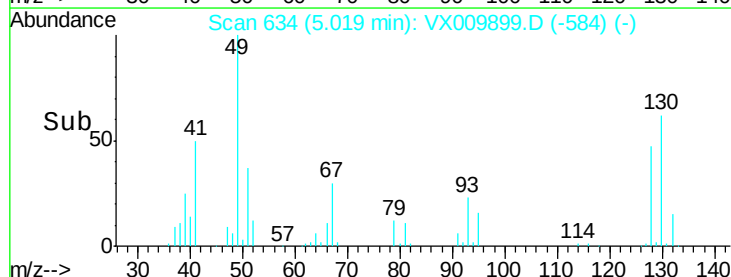
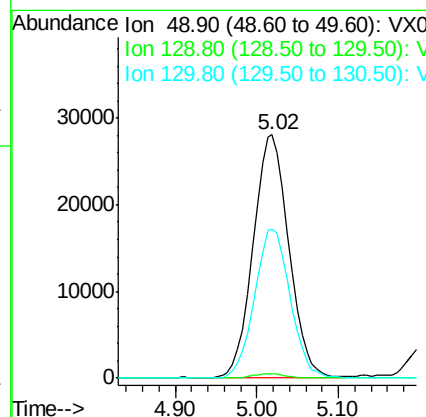
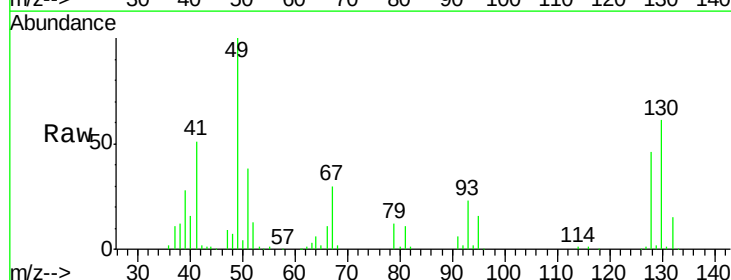
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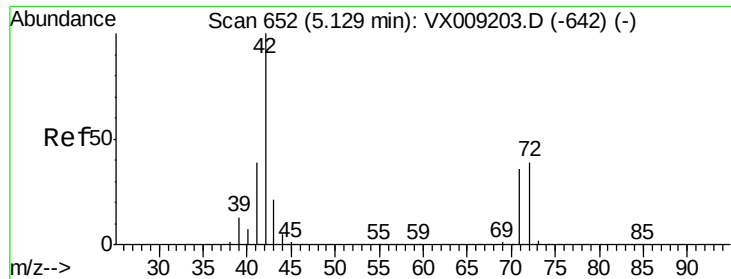


#28

Bromochloromethane  
Concen: 60.855 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.01 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 85774 |       |       |
| 129     | 1.7   | 0.0   | 3.8   |       |
| 130     | 61.3  | 51.2  | 76.8  |       |





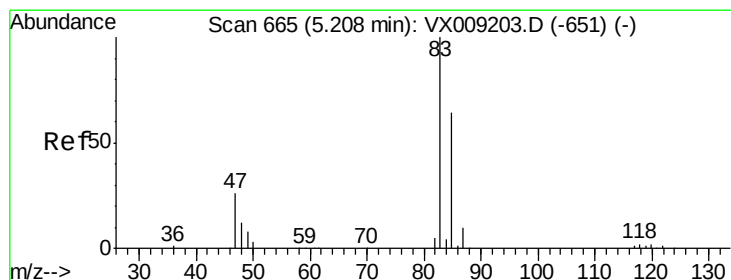
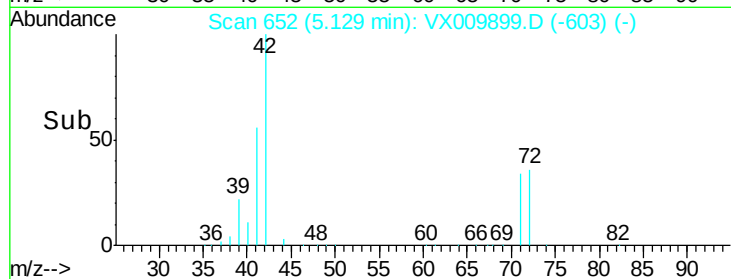
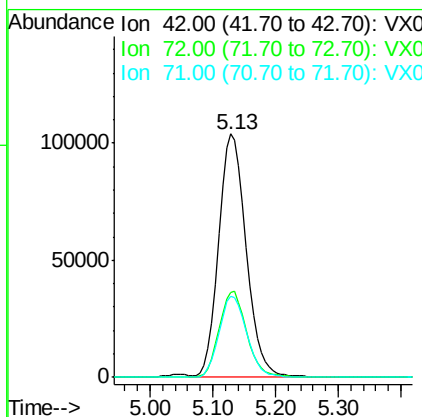
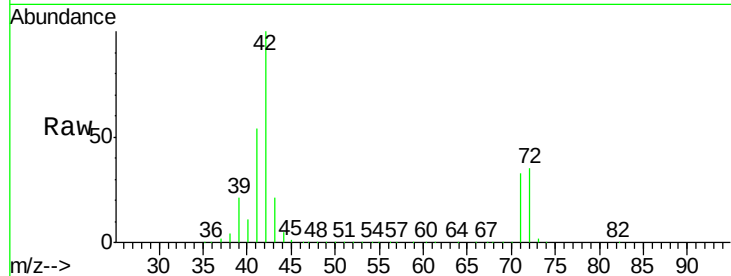
#29  
Tetrahydrofuran  
Concen: 263.959 ug/l  
RT: 5.13 min Scan# 652  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.5  | 30.4  | 45.6  |
| 71      | 33.6  | 28.6  | 43.0  |

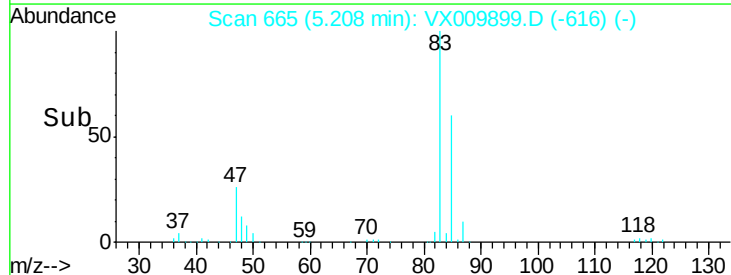
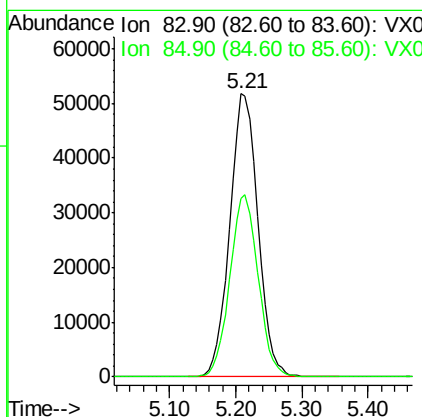
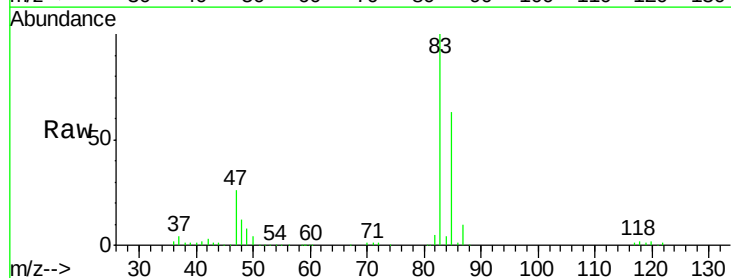
Manual Integrations  
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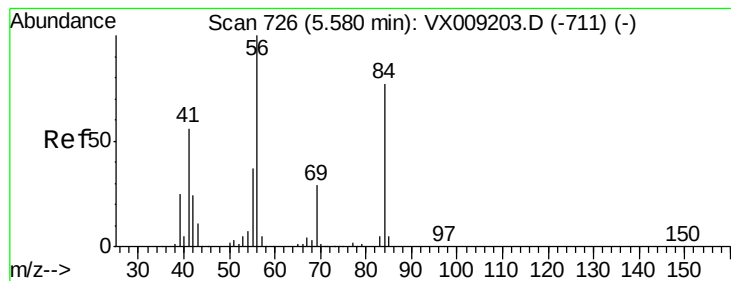
MMDadoda  
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#30  
Chloroform  
Concen: 47.911 ug/l  
RT: 5.21 min Scan# 665  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.9  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 48.926 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

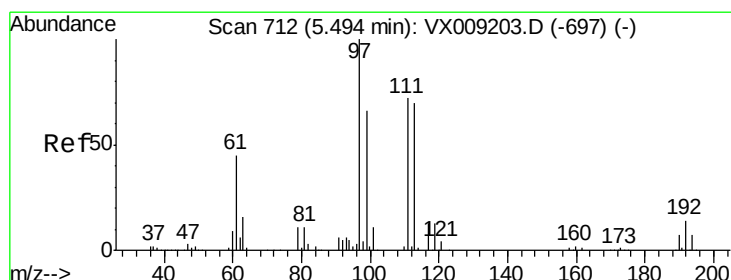
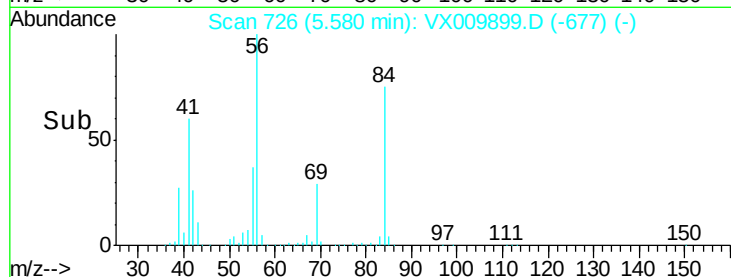
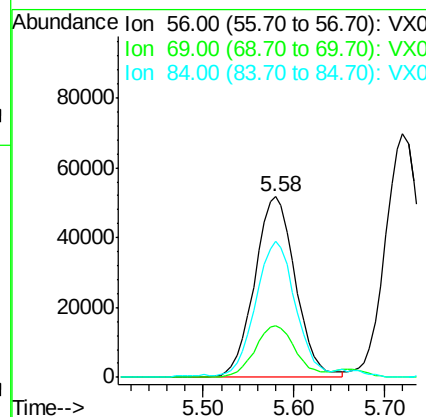
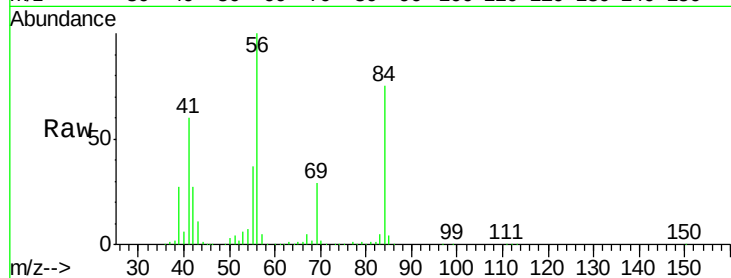
ClientSampleId :

S32-0657MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 160956 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.8  | 23.4  | 35.0   |
| 84       | 73.7  | 61.9  | 92.9   |

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#32

1,1,1-Trichloroethane

Concen: 46.949 ug/l

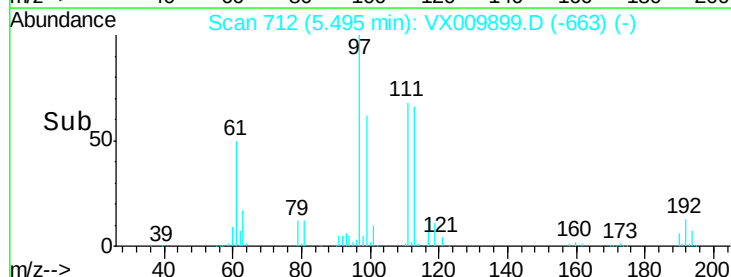
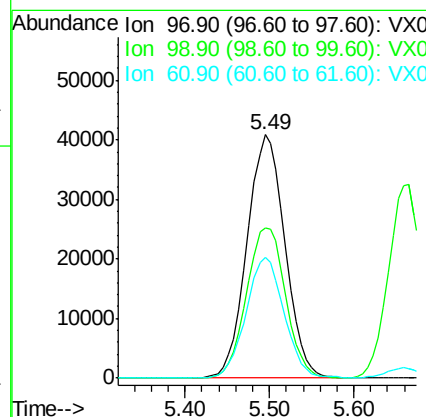
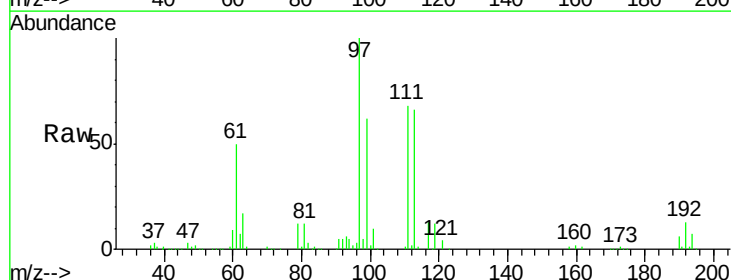
RT: 5.49 min Scan# 712

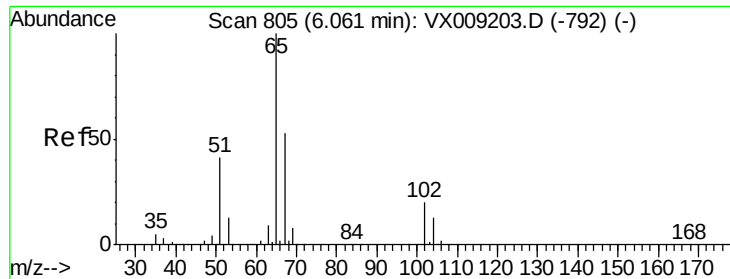
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 124989 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.7  | 51.8  | 77.8   |
| 61       | 49.7  | 37.8  | 56.8   |





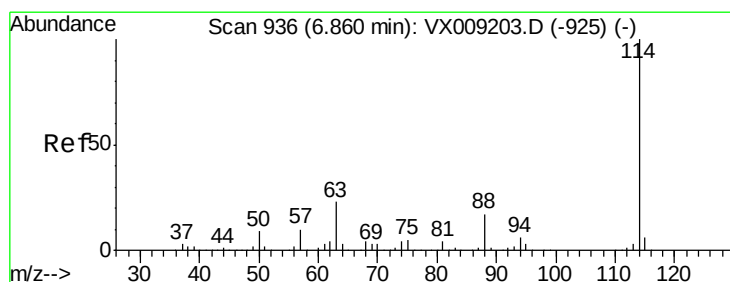
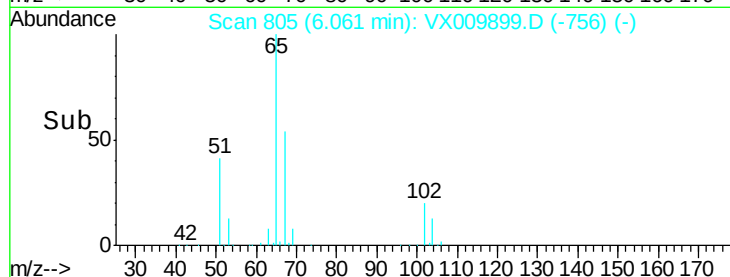
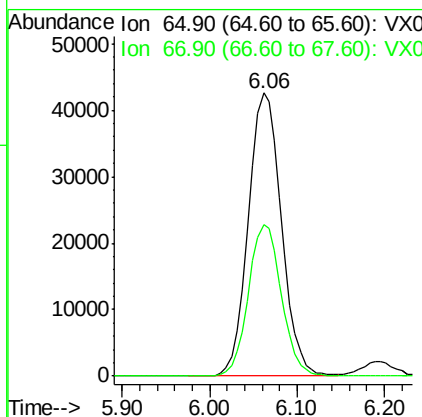
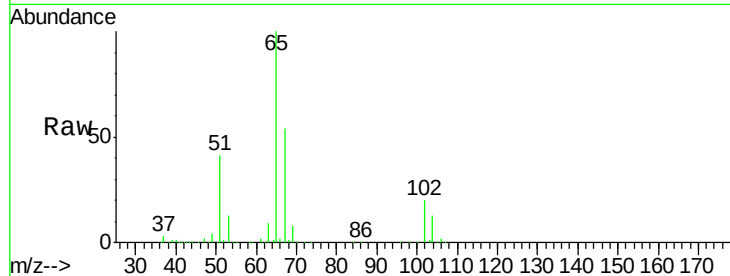
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.485 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.4  | 0.0  | 106.6 |       |

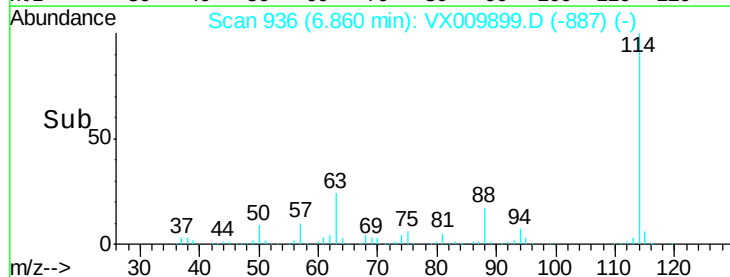
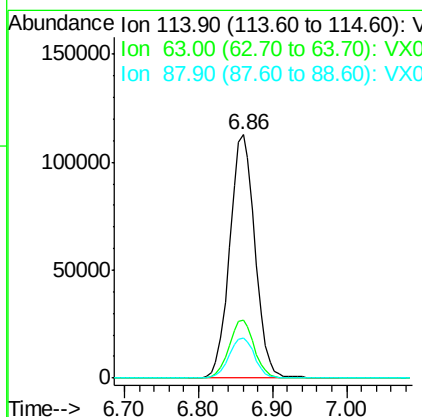
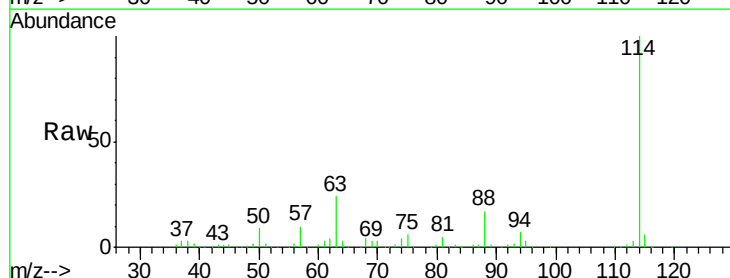
Manual Integrations  
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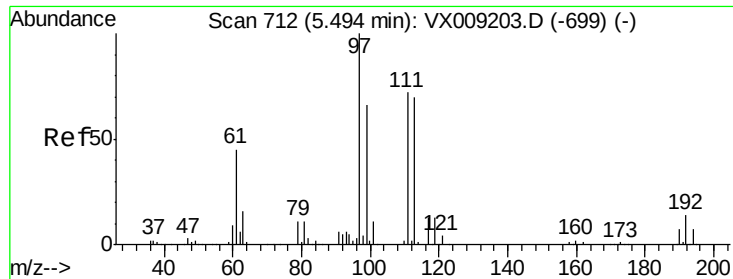
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 5/28/2019 9:52:18 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 23.7  | 0.0  | 45.6  |       |
| 88      | 16.6  | 0.0  | 33.2  |       |





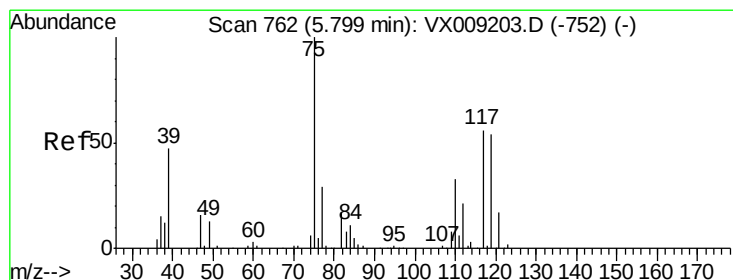
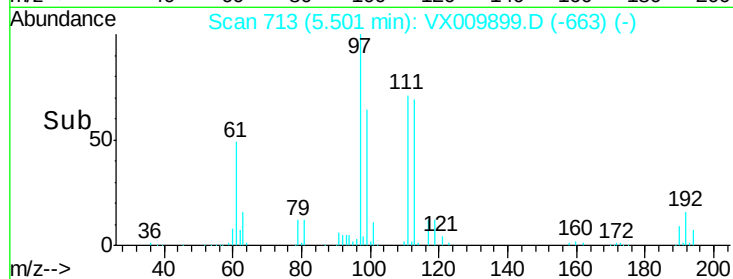
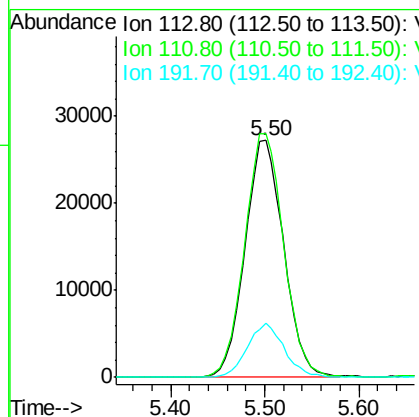
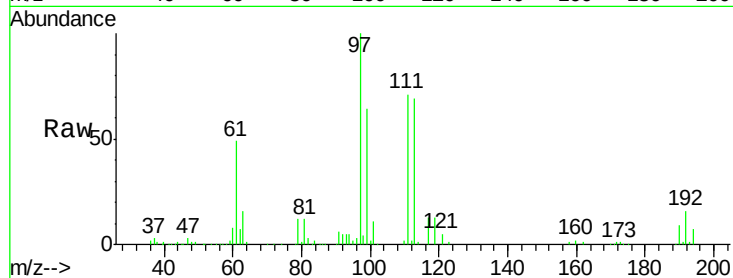
#35  
 Dibromofluoromethane  
 Concen: 46.595 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 82.8  | 124.2 |
| 192     | 21.8  | 17.0  | 25.6  |

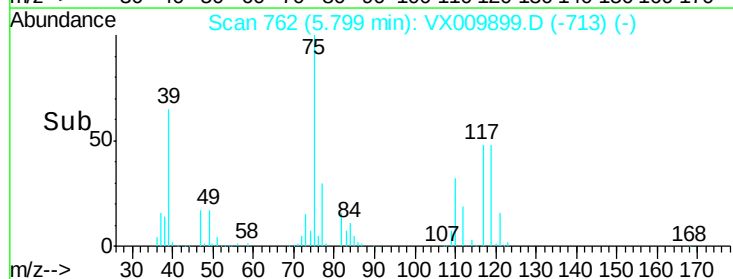
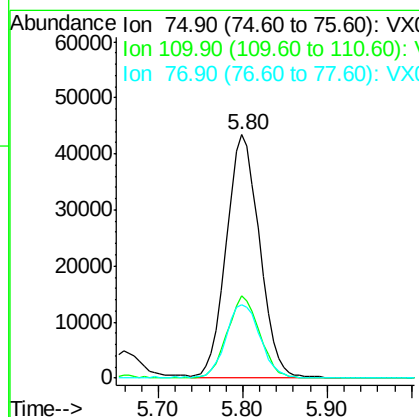
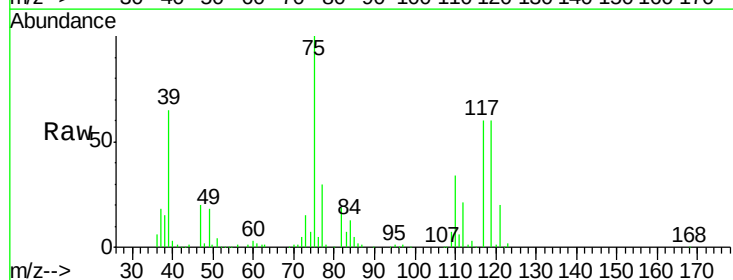
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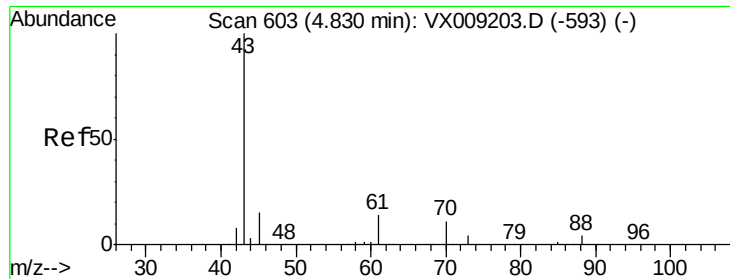
MMDadoda  
 5/28/2019 9:52:18 AM



#36  
 1,1-Dichloropropene  
 Concen: 46.750 ug/l  
 RT: 5.80 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.1  | 16.9  | 50.6  |
| 77      | 31.7  | 24.8  | 37.2  |





#37

Ethyl Acetate

Concen: 47.319 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

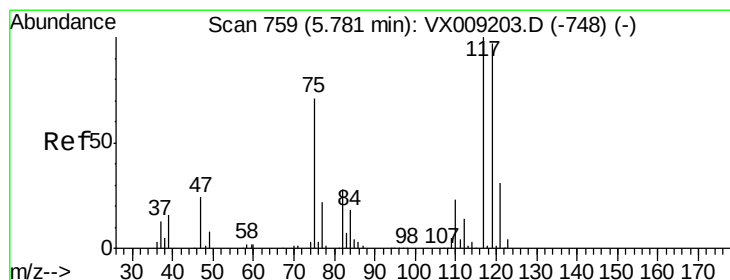
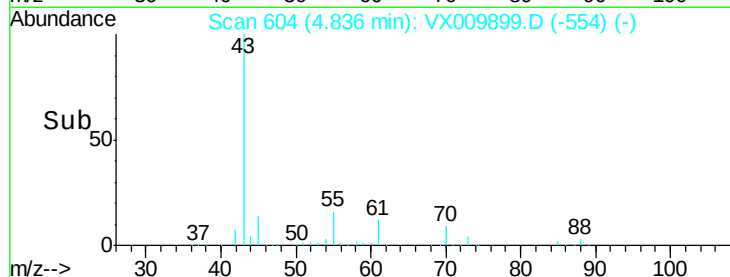
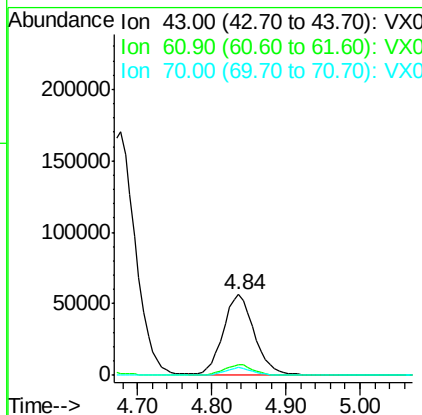
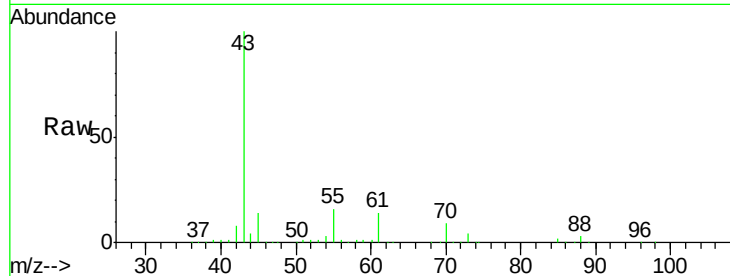
ClientSampleId :

S32-0657MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 164145 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 0.0   | 10.5  | 15.7#  |
| 70       | 9.1   | 7.9   | 11.9   |

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 45.921 ug/l

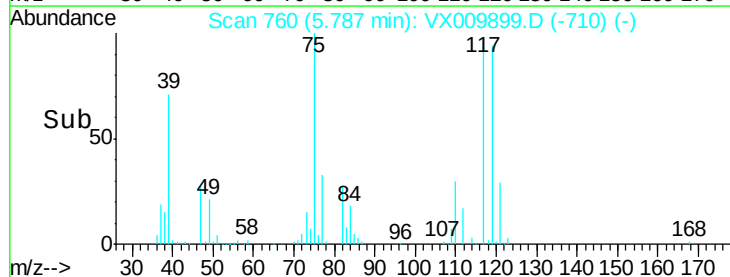
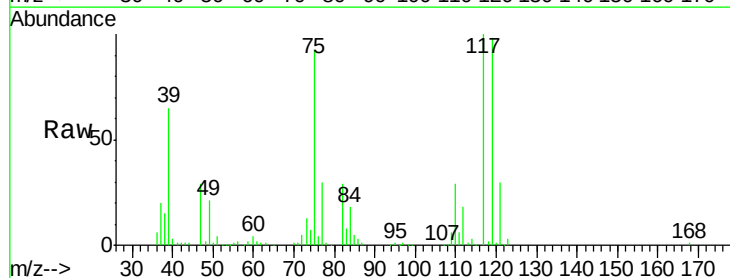
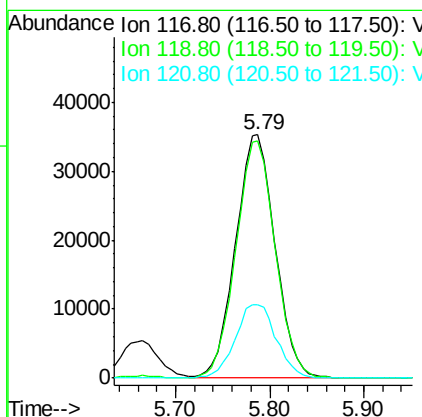
RT: 5.79 min Scan# 760

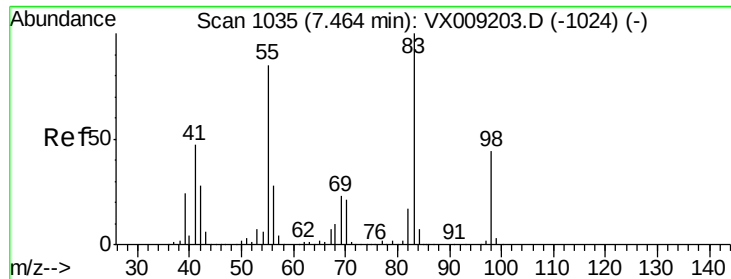
Delta R.T. 0.01 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 103876 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.4  | 77.5  | 116.3  |
| 121      | 30.4  | 24.7  | 37.1   |





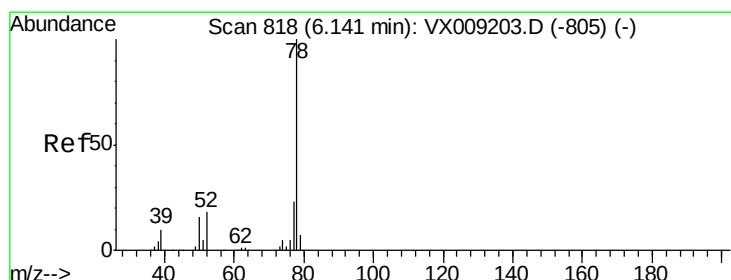
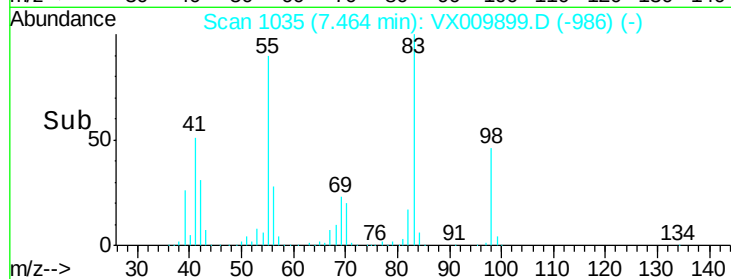
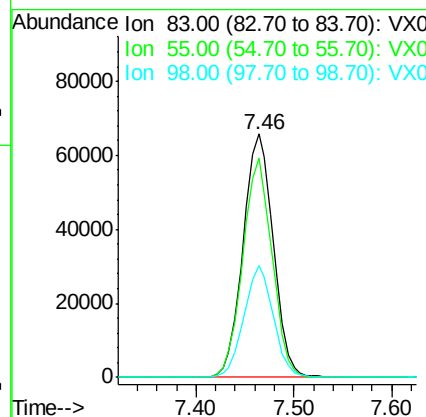
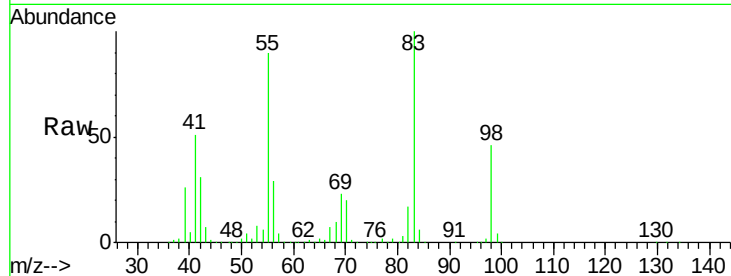
#39  
Methylvlcyclohexane  
Concen: 45.928 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | 83.00 | Resp  | 140429 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 89.8  | 67.7  | 101.5  |
| 98      | 45.8  | 35.5  | 53.3   |

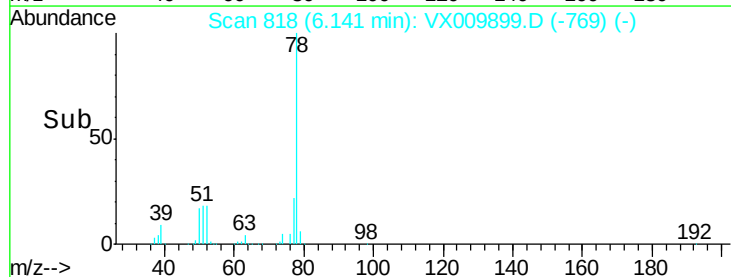
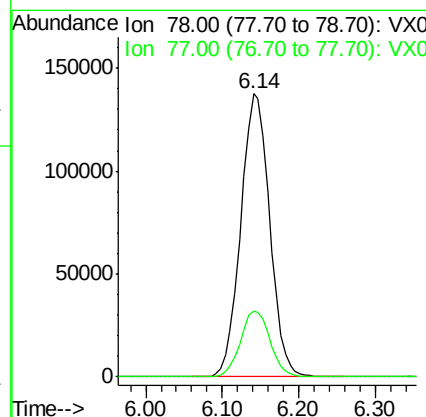
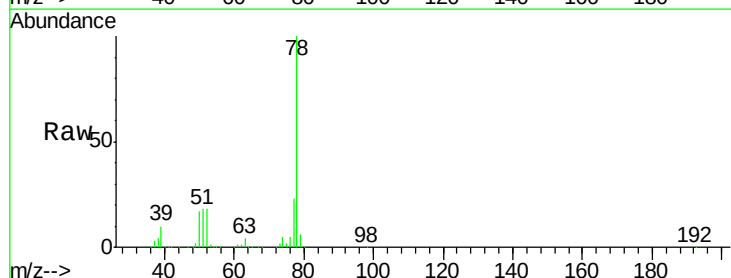
Manual Integrations  
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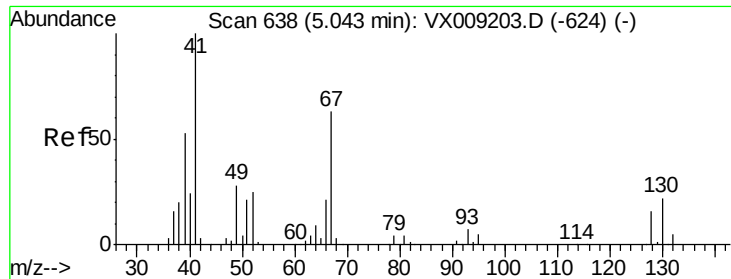


#40  
Benzene  
Concen: 46.835 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | 78.00 | Resp  | 360871 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.3  | 18.8  | 28.2   |







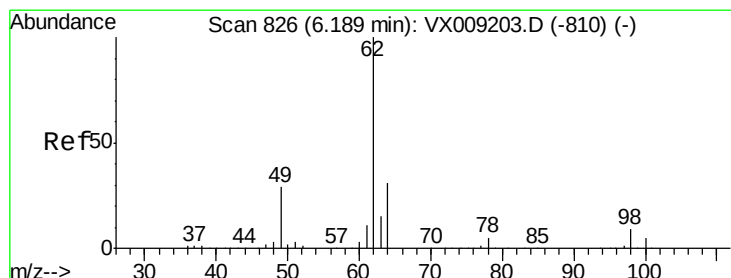
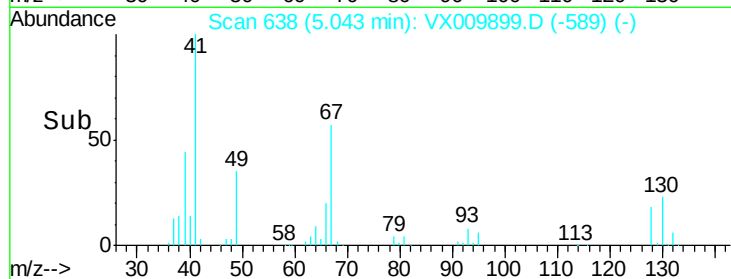
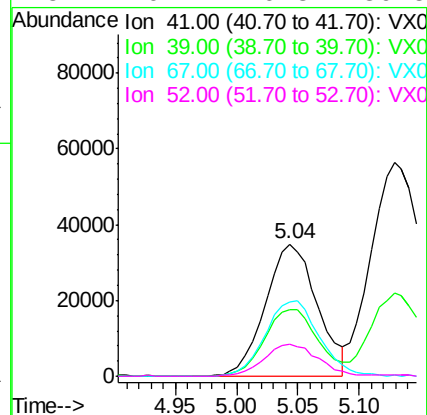
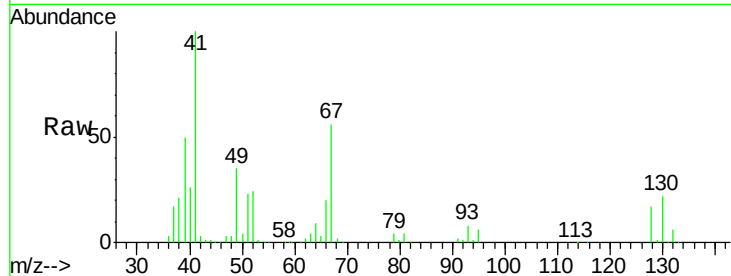
#41  
Methacrylonitrile  
Concen: 49.477 ug/l  
RT: 5.04 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 54.2 | 42.0  | 63.0 |       |       |
| 67      | 60.1 | 49.8  | 74.8 |       |       |
| 52      | 26.1 | 20.3  | 30.5 |       |       |

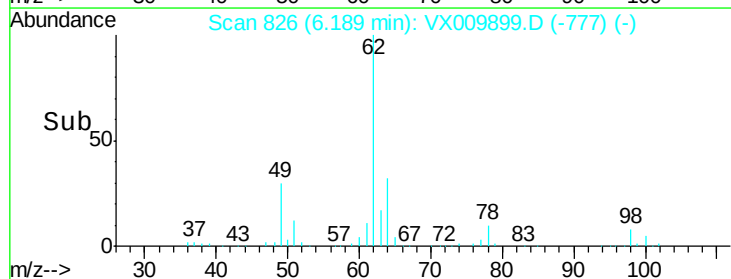
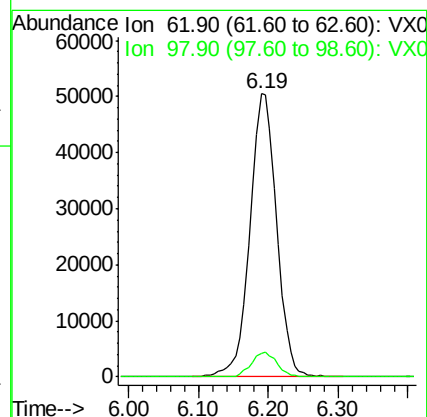
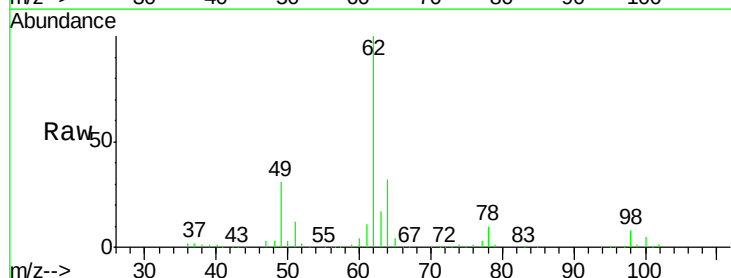
Manual Integrations  
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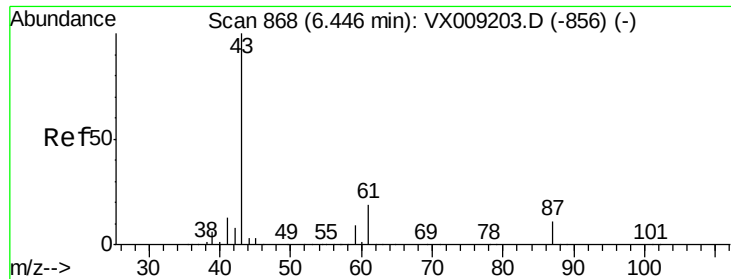
MMDadoda  
5/28/2019 9:52:18 AM



#42  
1,2-Dichloroethane  
Concen: 48.319 ug/l  
RT: 6.19 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 8.4 | 0.0   | 18.2 |       |       |





#43

Isopropyl Acetate

Concen: 48.222 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

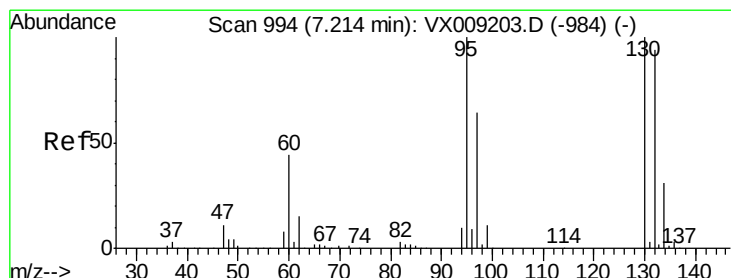
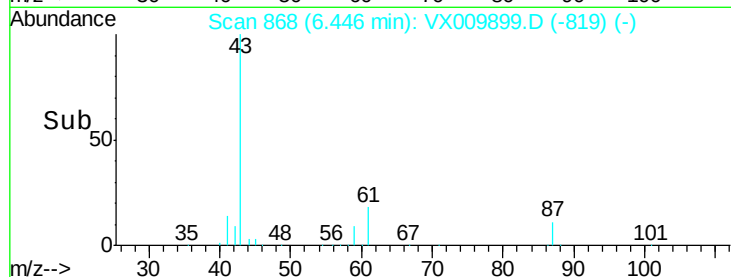
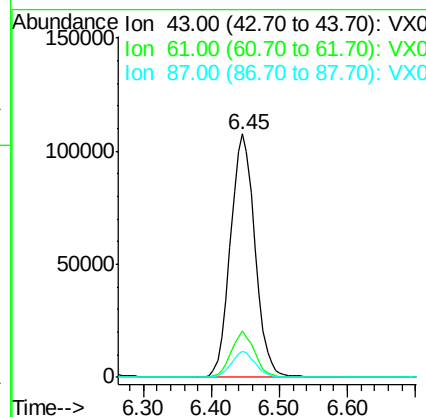
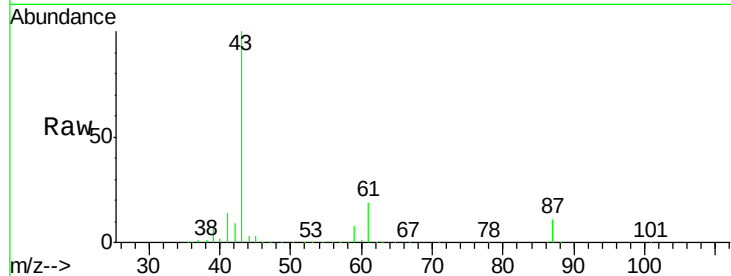
ClientSampleId :

S32-0657MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 267567 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.4  | 15.1  | 22.7   |
| 87       | 10.5  | 9.0   | 13.6   |

Manual Integrations  
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5/28/2019 9:52:18 AM



#44

Trichloroethene

Concen: 1068.074 ug/l

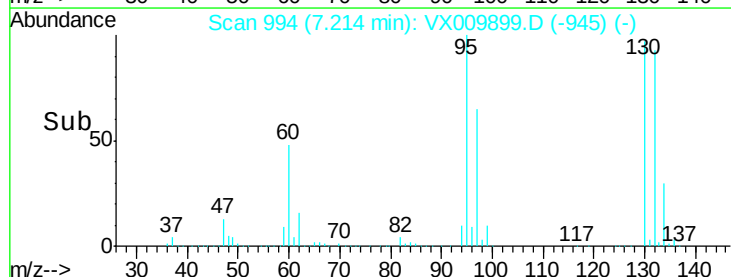
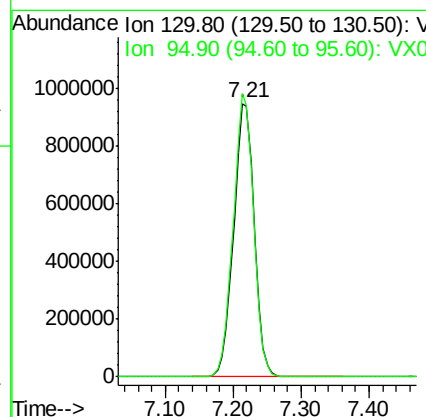
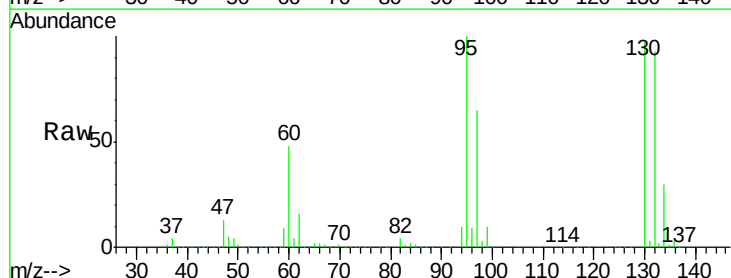
RT: 7.21 min Scan# 994

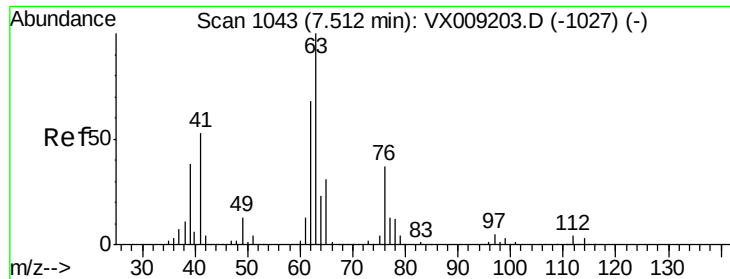
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 130   | Resp: | 1989537 |
| Ion      | Ratio | Lower | Upper   |
| 130      | 100   |       |         |
| 95       | 103.5 | 0.0   | 199.2   |





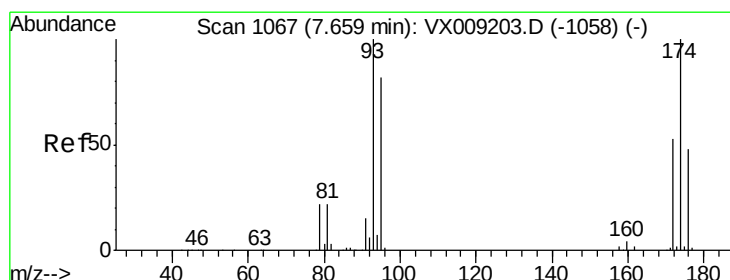
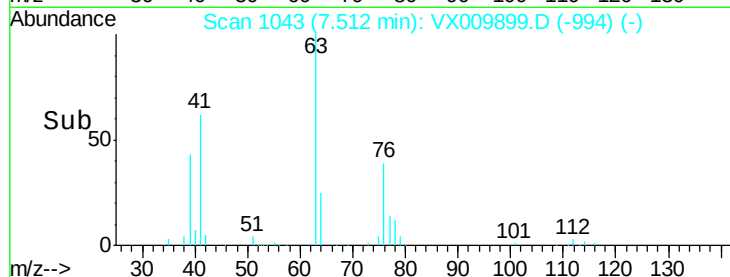
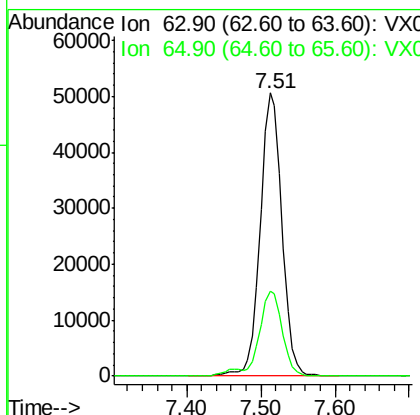
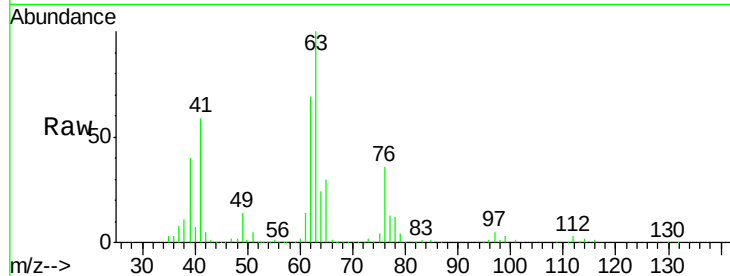
#45  
 1,2-Dichloropropane  
 Concen: 47.509 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

Tot Ion: 63 Resp: 103655  
 Ion Ratio Lower Upper  
 63 100  
 65 29.8 25.0 37.6

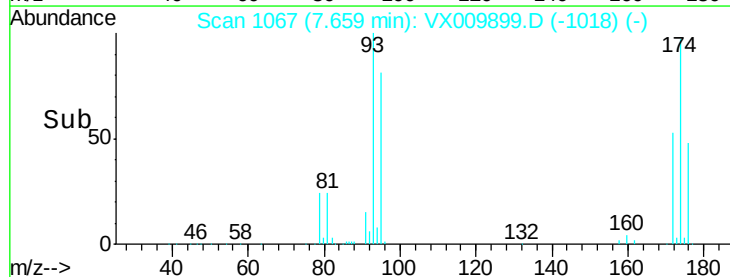
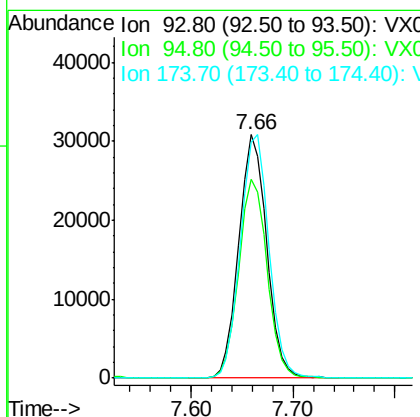
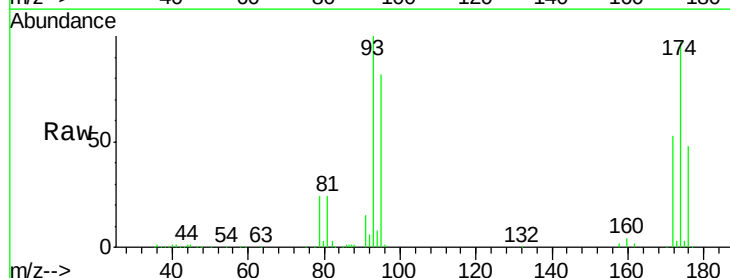
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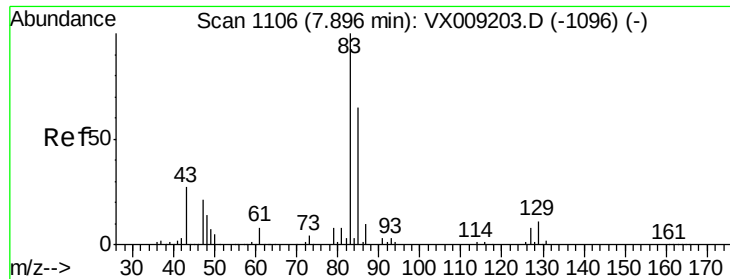
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 46.183 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Tgt Ion: 93 Resp: 58513  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 66.5 99.7  
 174 102.7 82.1 123.1





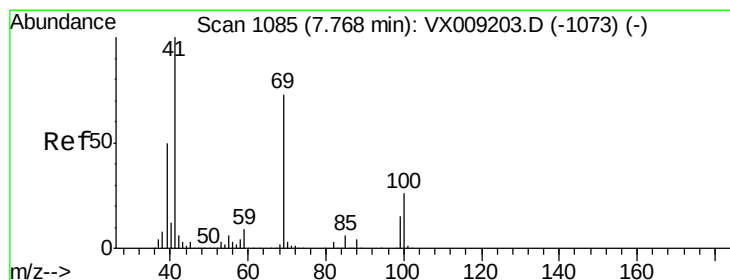
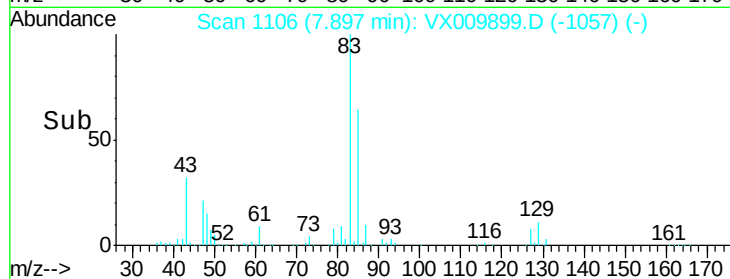
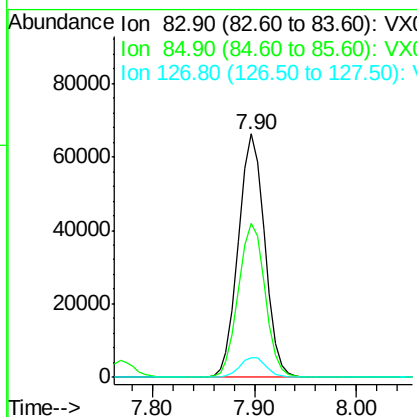
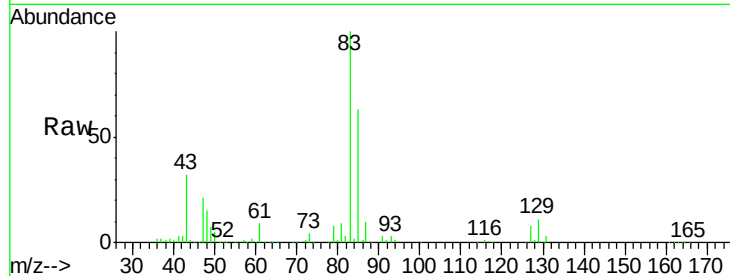
#47  
 Bromodichloromethane  
 Concen: 46.907 ug/l  
 RT: 7.90 min Scan# 1106  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion   | 83   | Resp  | 118549 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.5 | 52.4  | 78.6   |
| 127       | 8.0  | 6.6   | 10.0   |

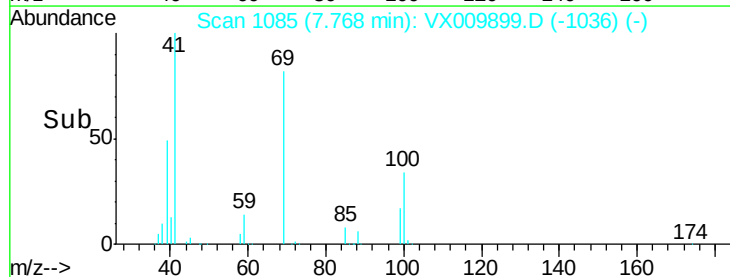
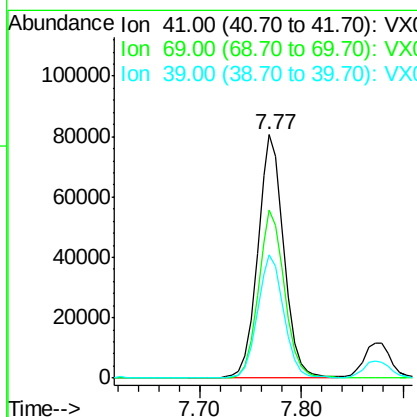
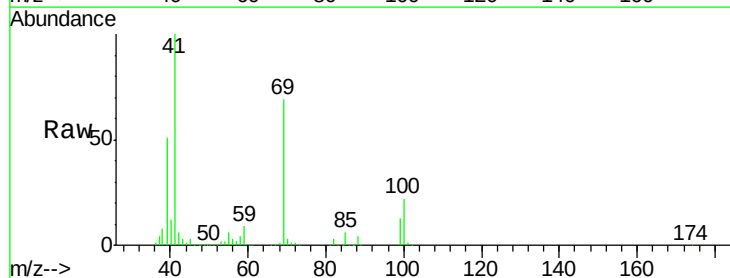
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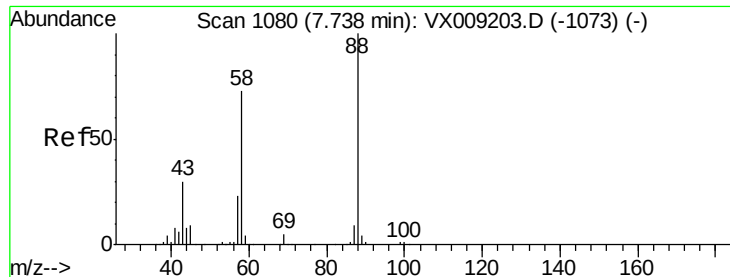
MMDadoda  
 5/28/2019 9:52:18 AM



#48  
 Methyl methacrylate  
 Concen: 51.922 ug/l  
 RT: 7.77 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion   | 41   | Resp  | 142932 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 69.7 | 59.1  | 88.7   |
| 39        | 51.2 | 40.4  | 60.6   |





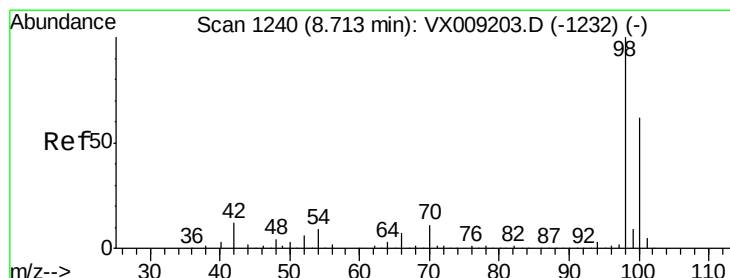
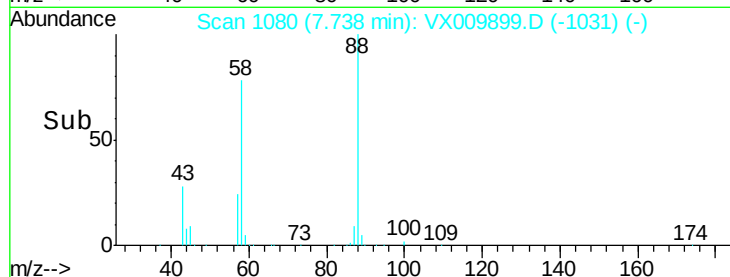
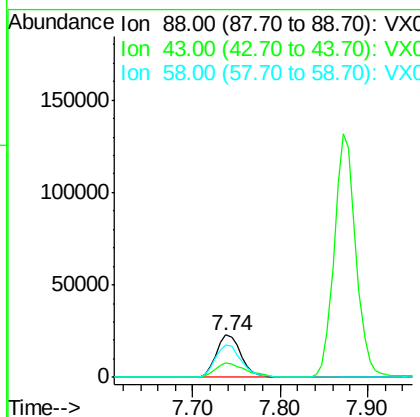
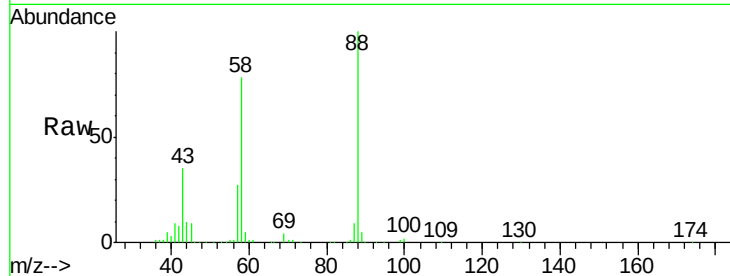
#49  
1,4-Dioxane  
Concen: 813.714 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.7  | 28.6  | 42.8  |
| 58      | 79.9  | 61.7  | 92.5  |

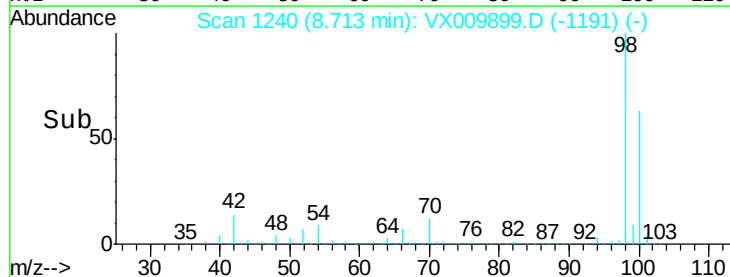
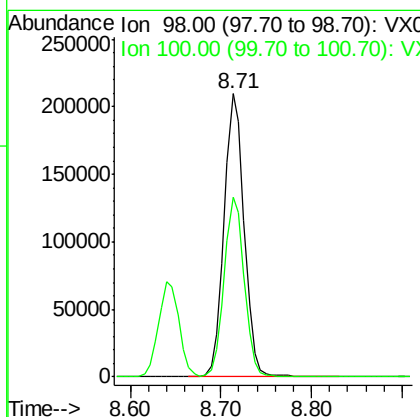
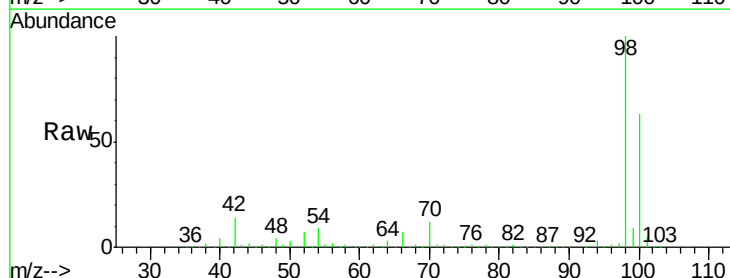
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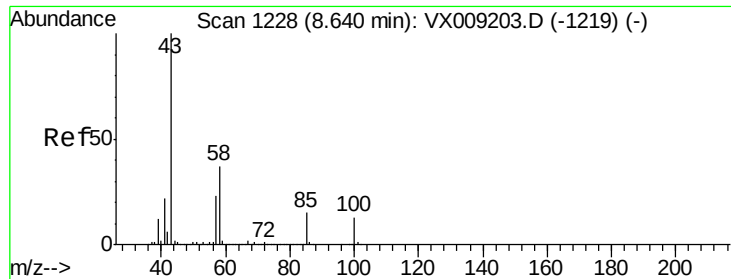
MMDadoda  
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#50  
Toluene-d8  
Concen: 47.451 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.2  | 76.8  |





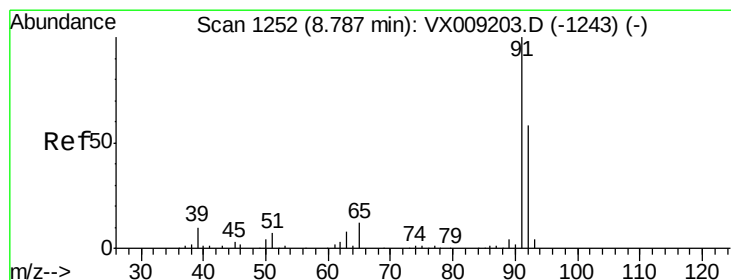
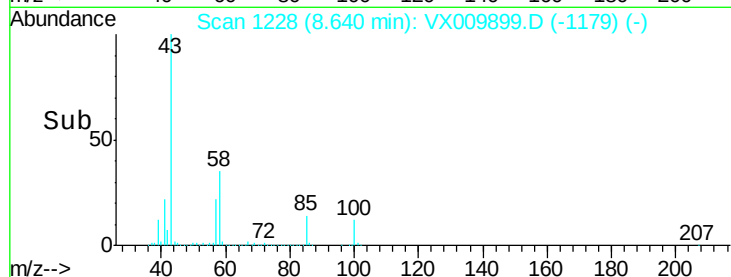
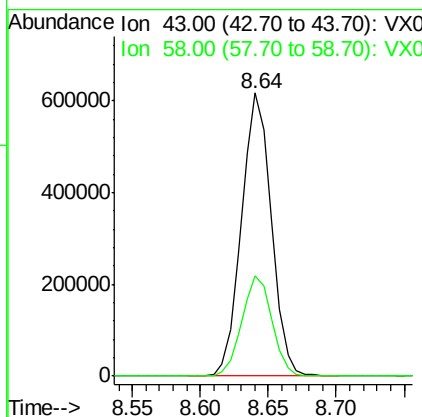
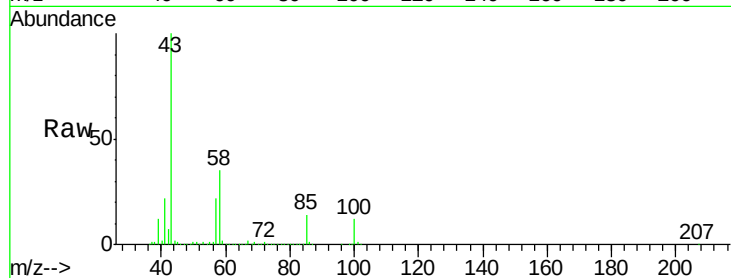
#51  
 4-Methyl-2-Pentanone  
 Concen: 261.714 ug/l  
 RT: 8.64 min Scan# 1228  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion   | 43   | Resp  | 949160 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 35.6 | 29.5  | 44.3   |

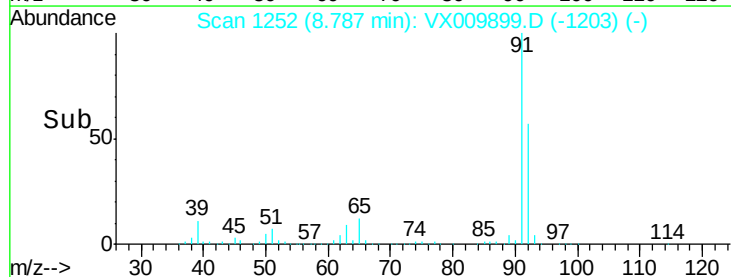
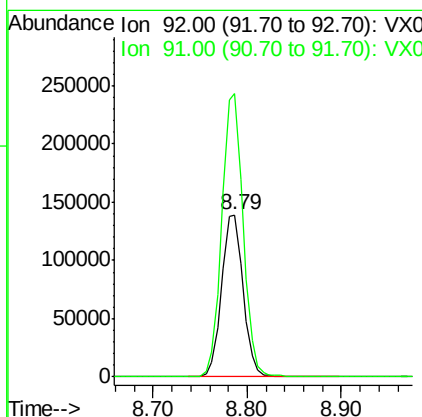
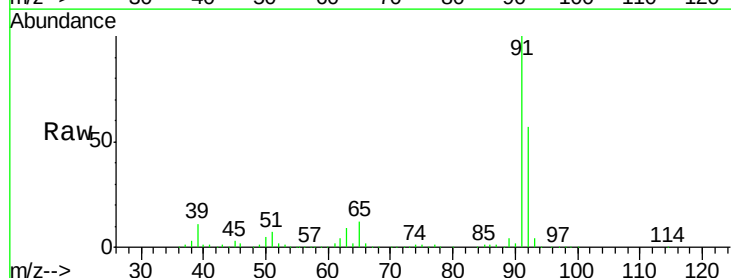
Manual Integrations  
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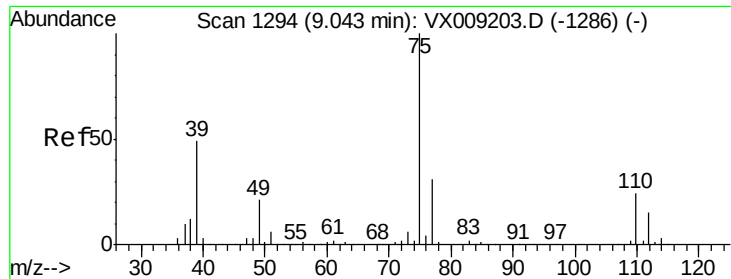
MMDadoda  
 5/28/2019 9:52:18 AM



#52  
 Toluene  
 Concen: 47.215 ug/l  
 RT: 8.79 min Scan# 1252  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion   | 92    | Resp  | 221144 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 92        | 100   |       |        |
| 91        | 173.3 | 138.8 | 208.2  |





#53

t-1,3-Dichloropropene

Concen: 47.645 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Tot Ion: 75 Resp: 135947

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

Instrument :

MSVOA\_X

ClientSampleId :

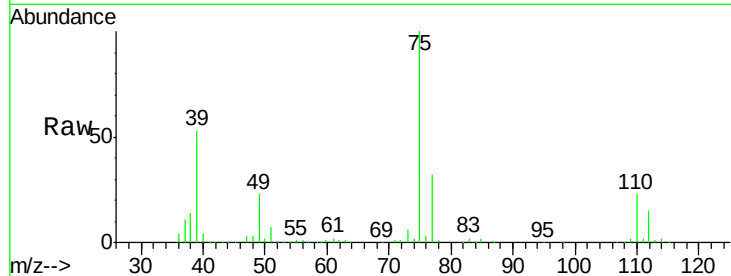
S32-0657MS

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

100000

80000

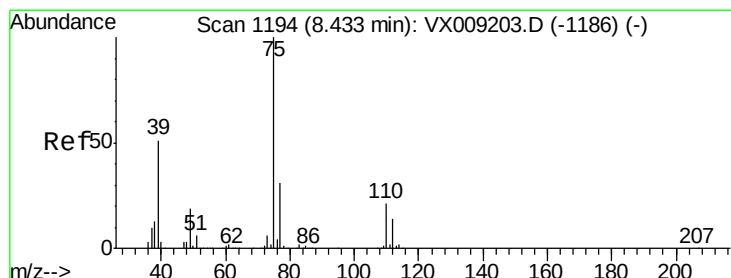
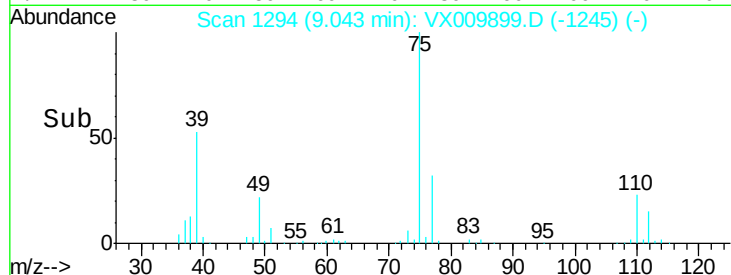
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.805 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

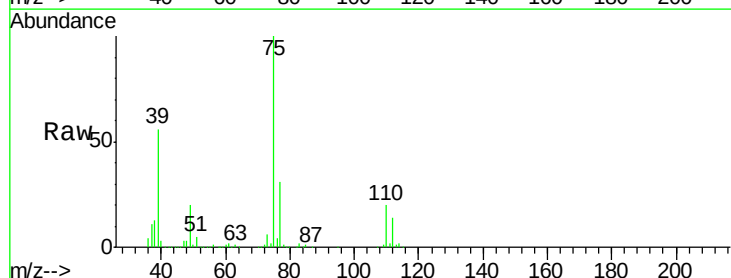
Tgt Ion: 75 Resp: 147819

Ion Ratio Lower Upper

75 100

77 30.8 24.6 36.8

39 55.8 40.6 60.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

120000

100000

80000

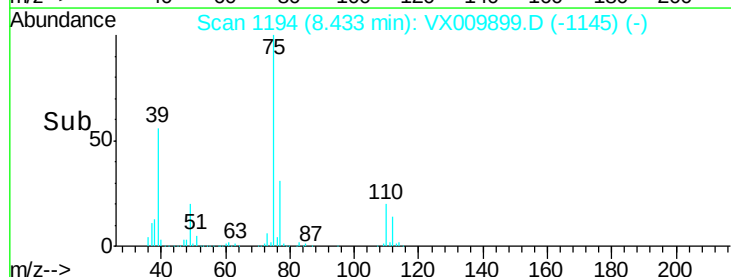
60000

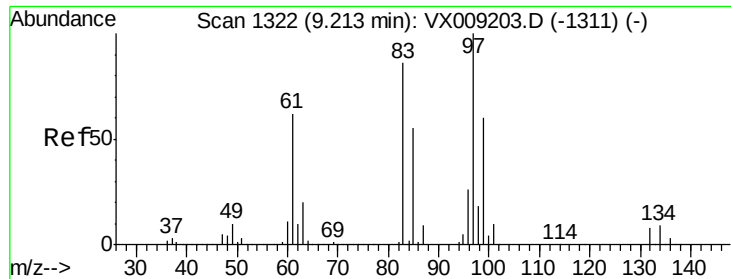
40000

20000

0

Time-->





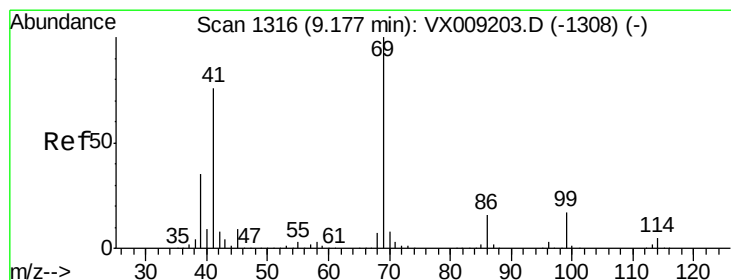
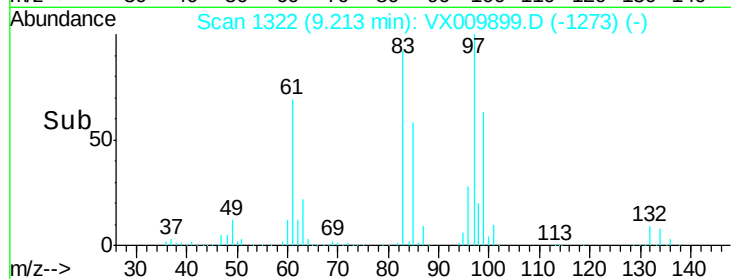
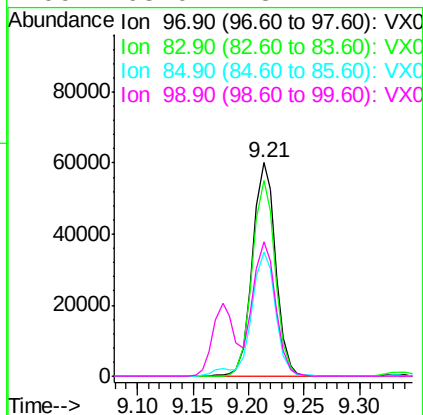
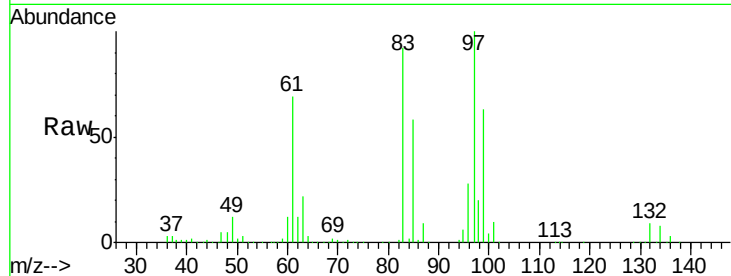
#55  
 1,1,2-Trichloroethane  
 Concen: 45.899 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 87705 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.6  | 68.9  | 103.3 |
| 85       | 58.3  | 43.8  | 65.6  |
| 99       | 63.0  | 48.2  | 72.2  |

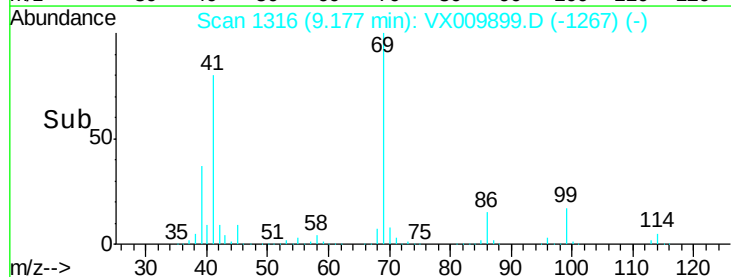
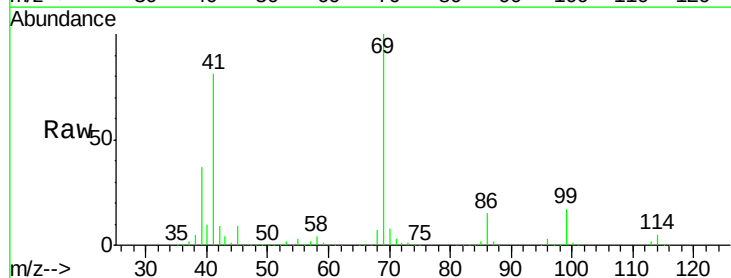
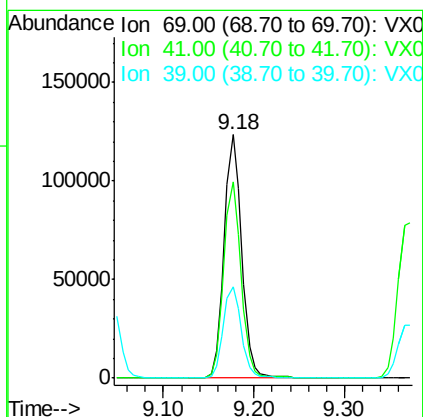
Manual Integrations  
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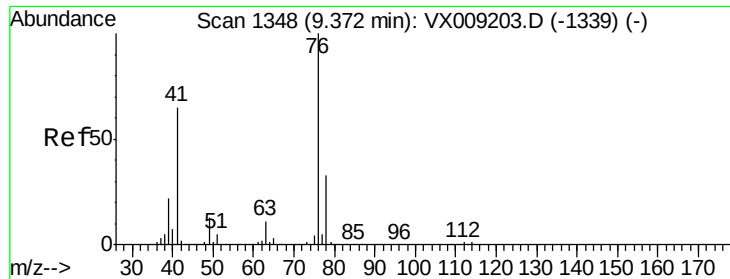


#56  
 Ethyl methacrylate  
 Concen: 49.125 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 167564 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 79.8  | 60.6  | 90.8   |
| 39       | 38.4  | 28.2  | 42.4   |







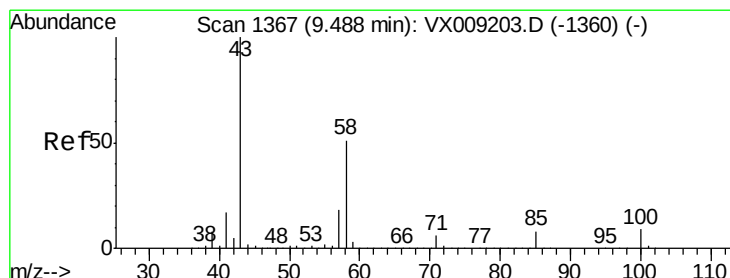
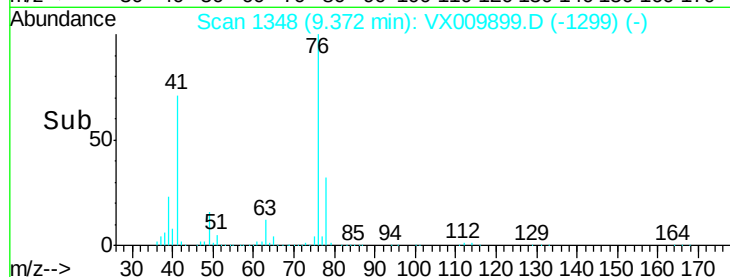
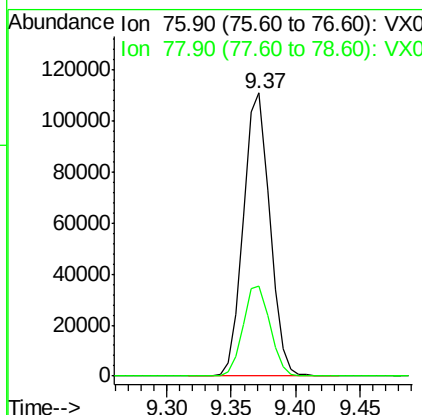
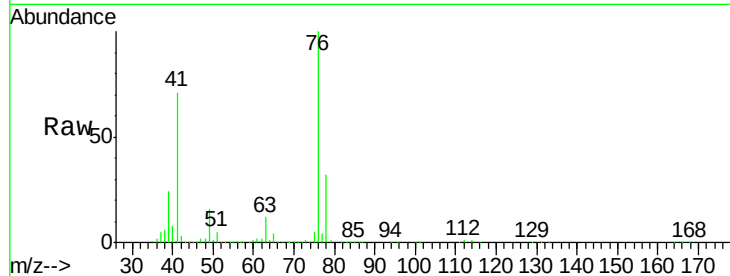
#57  
 1,3-Dichloropropane  
 Concen: 46.832 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 25.5  | 38.3  |

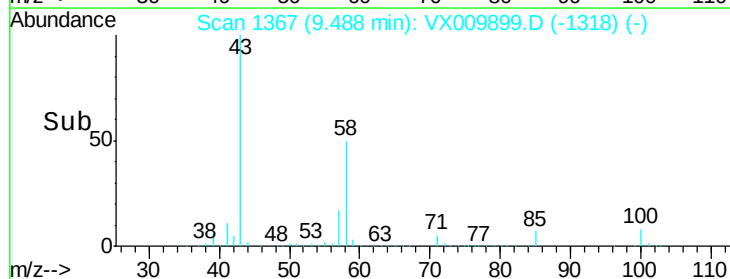
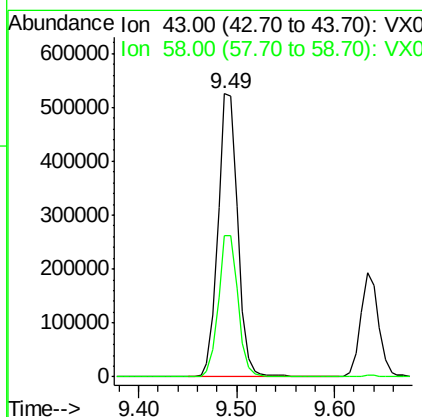
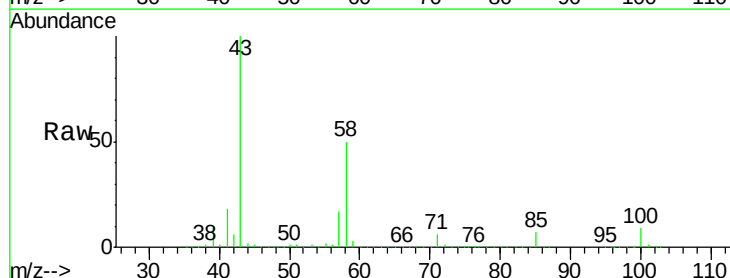
Manual Integrations  
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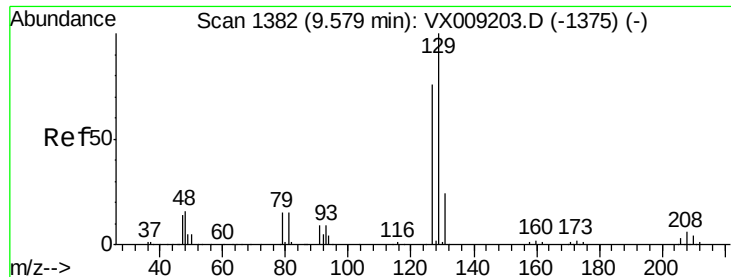
MMDadoda  
 5/28/2019 9:52:18 AM



#59  
 2-Hexanone  
 Concen: 257.673 ug/l  
 RT: 9.49 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.9  | 25.9  | 77.7  |





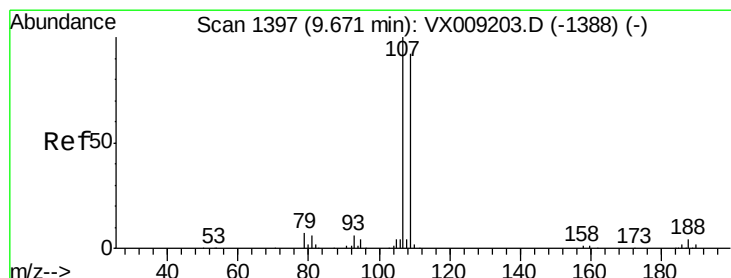
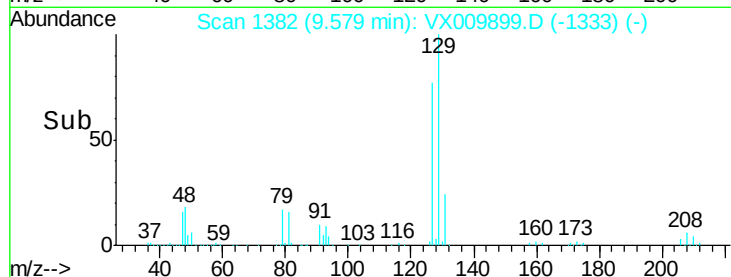
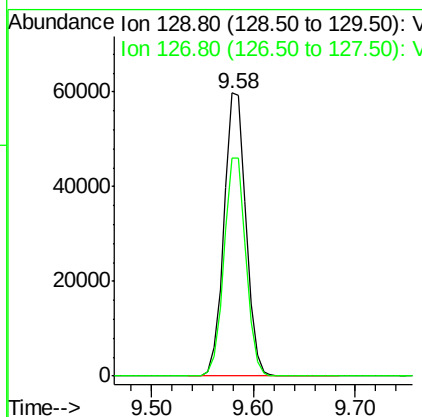
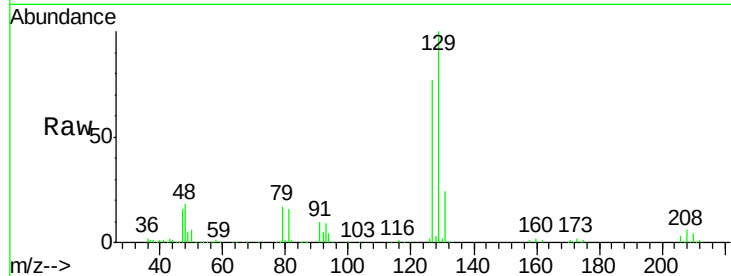
#60  
 Dibromochloromethane  
 Concen: 47.602 ug/l  
 RT: 9.58 min Scan# 1382  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

Tot Ion:129 Resp: 88839  
 Ion Ratio Lower Upper  
 129 100  
 127 76.8 38.4 115.1

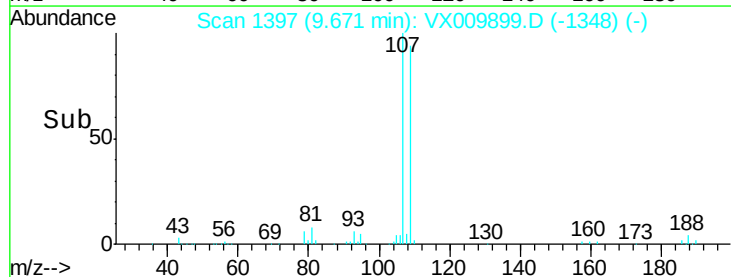
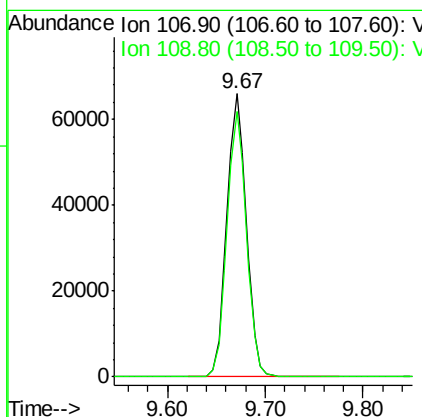
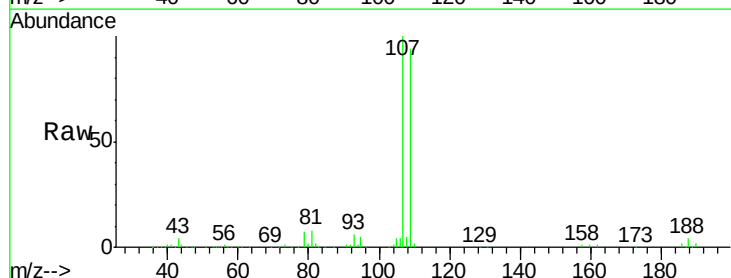
Manual Integrations  
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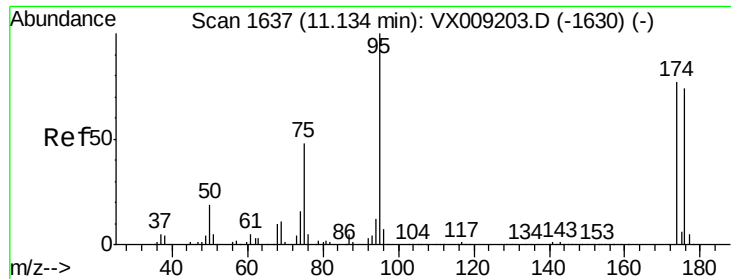
MMDadoda  
 5/28/2019 9:52:18 AM



#61  
 1,2-Dibromoethane  
 Concen: 47.636 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Tgt Ion:107 Resp: 91884  
 Ion Ratio Lower Upper  
 107 100  
 109 93.5 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 48.668 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

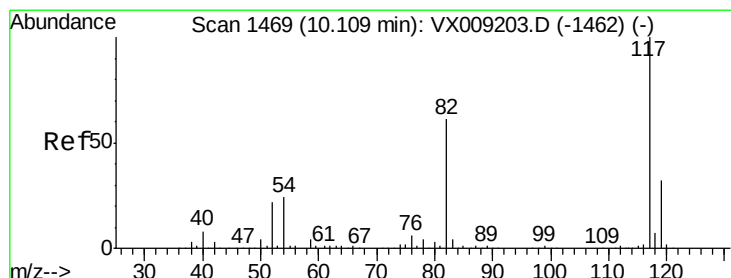
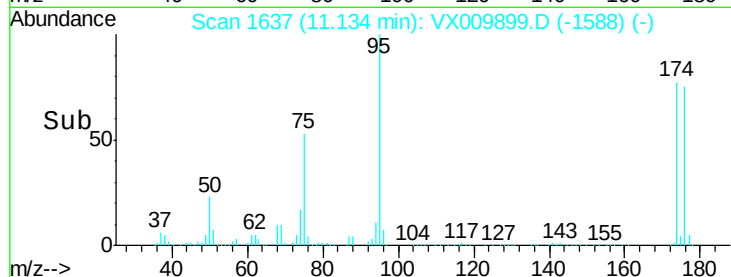
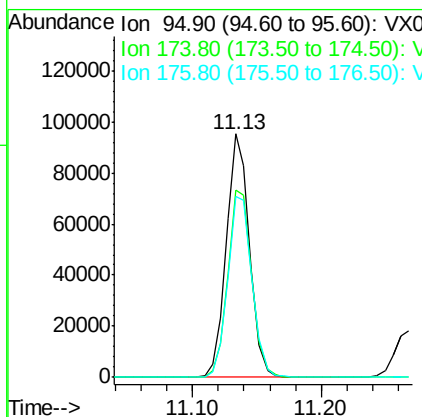
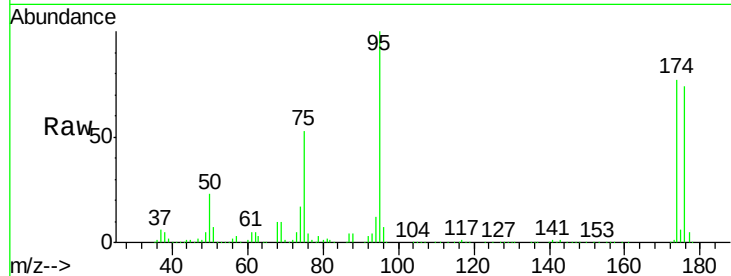
ClientSampleId :

S32-0657MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 120240 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 79.7  | 0.0   | 161.6  |
| 176      | 77.7  | 0.0   | 159.2  |

Manual Integrations  
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5/28/2019 9:52:18 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

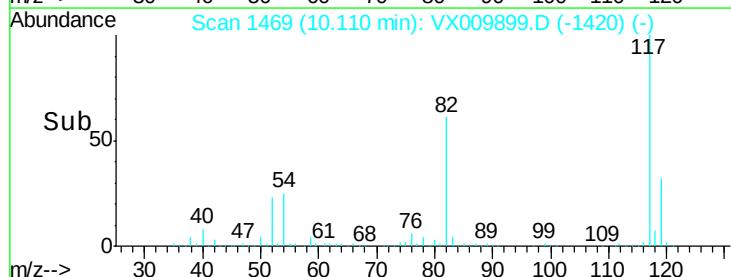
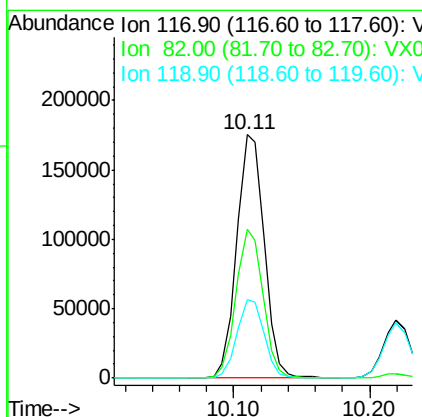
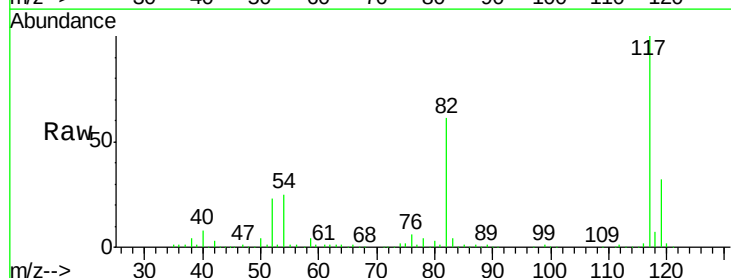
RT: 10.11 min Scan# 1469

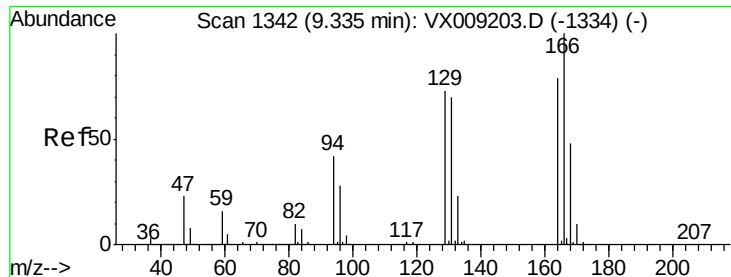
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 247507 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.9  | 48.8  | 73.2   |
| 119      | 32.2  | 25.8  | 38.6   |





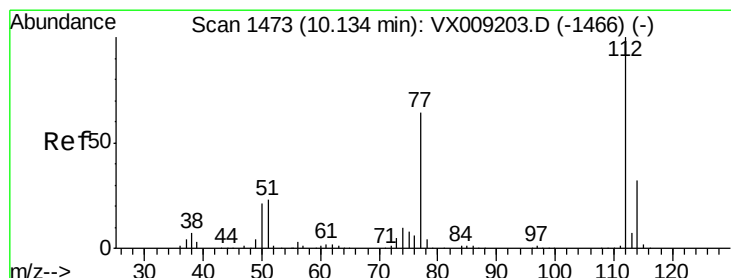
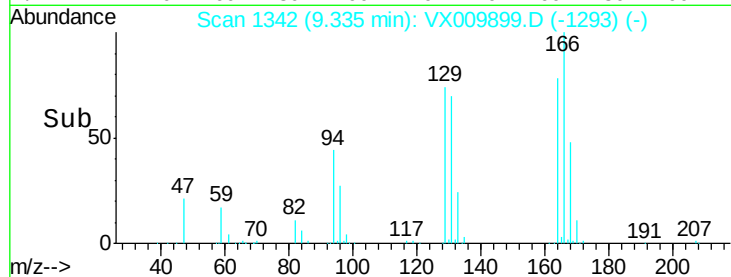
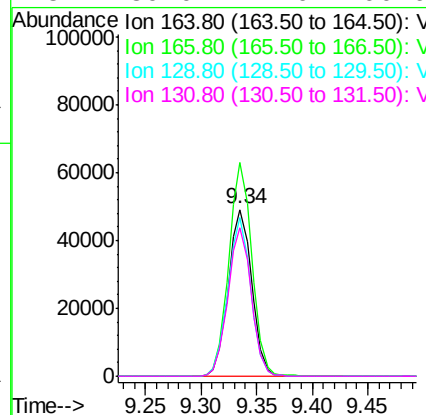
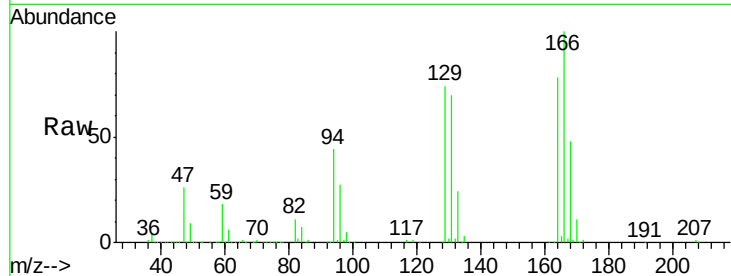
#64  
Tetrachloroethene  
Concen: 42.269 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.0 | 101.2 | 151.8 |
| 129     | 94.8  | 74.3  | 111.5 |
| 131     | 89.0  | 71.0  | 106.6 |

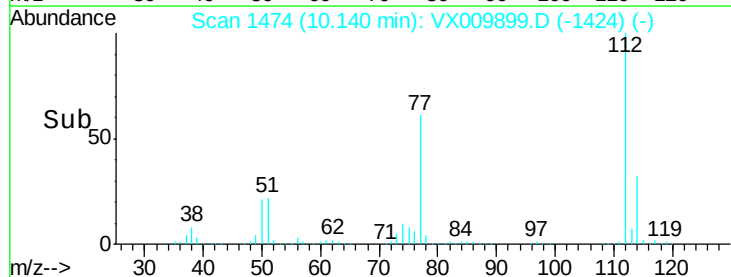
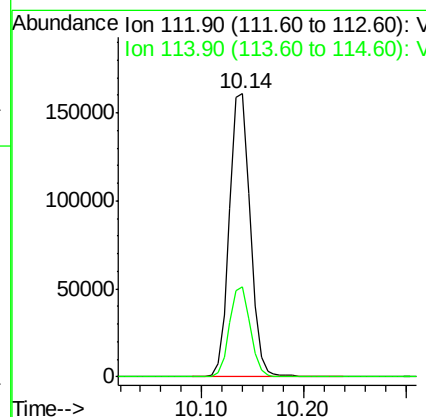
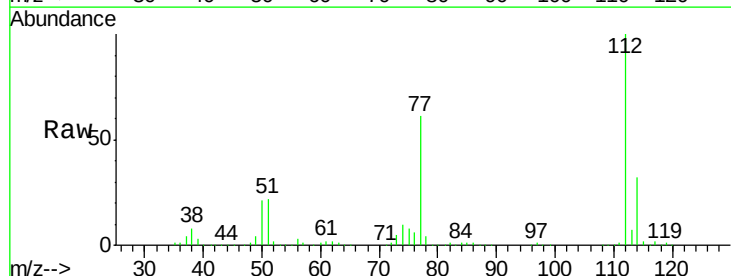
Manual Integrations  
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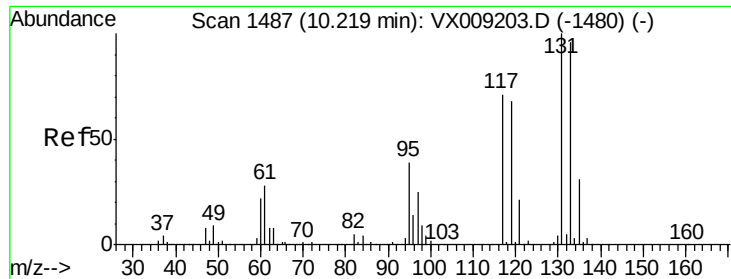
MMDadoda  
5/28/2019 9:52:18 AM



#65  
Chlorobenzene  
Concen: 46.124 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.6  | 25.5  | 38.3  |





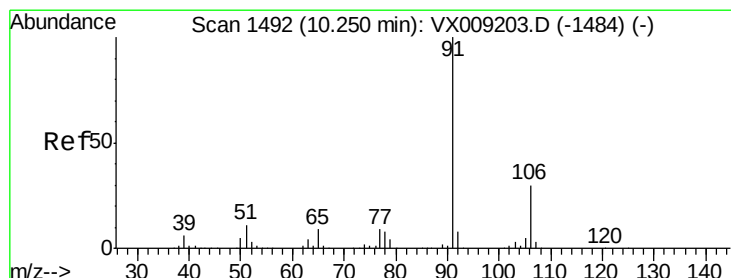
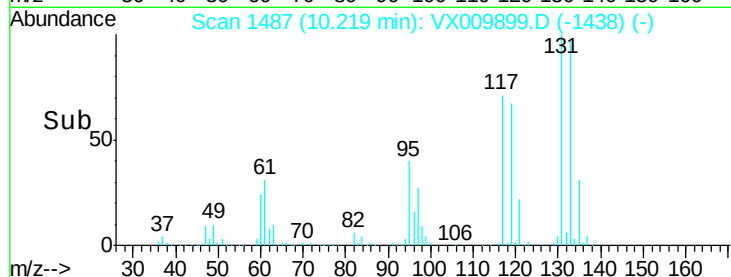
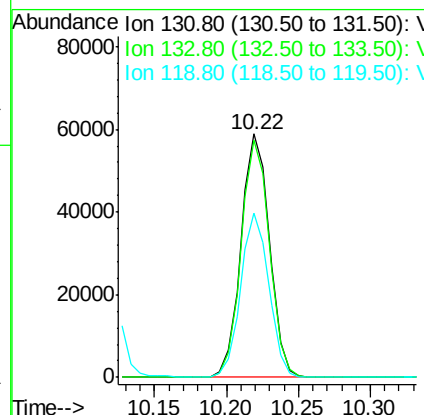
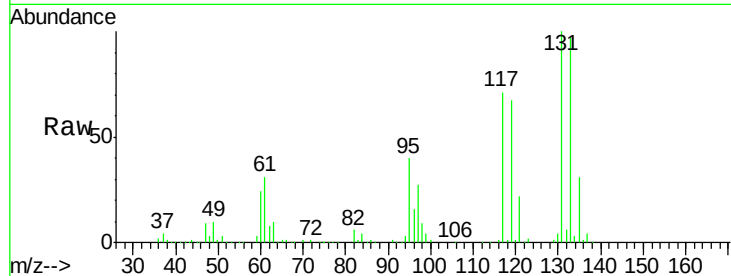
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 45.053 ug/l  
 RT: 10.22 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.8  | 47.7  | 143.1 |
| 119     | 67.2  | 33.5  | 100.4 |

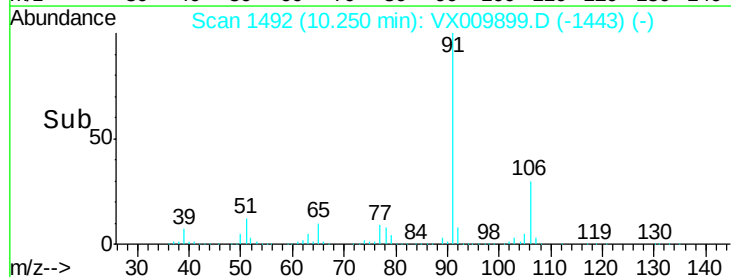
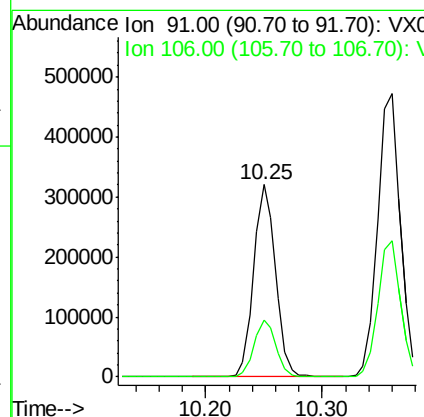
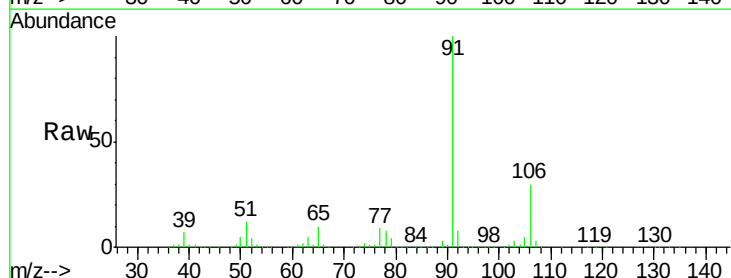
Manual Integrations  
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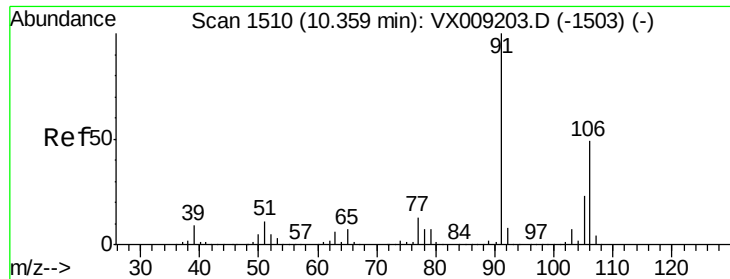
MMDadoda  
 5/28/2019 9:52:18 AM



#67  
 Ethyl Benzene  
 Concen: 46.324 ug/l  
 RT: 10.25 min Scan# 1492  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.8  | 24.0  | 36.0  |





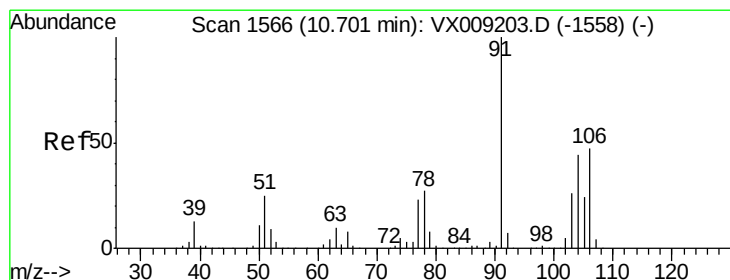
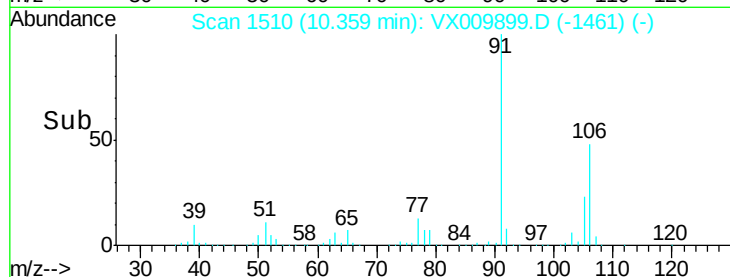
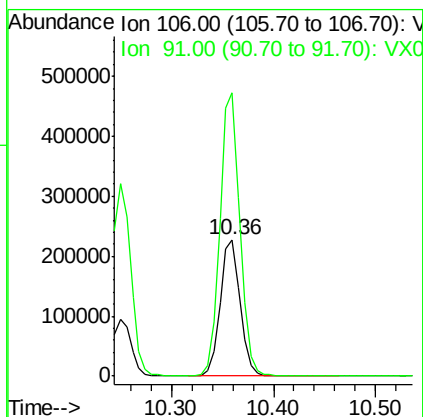
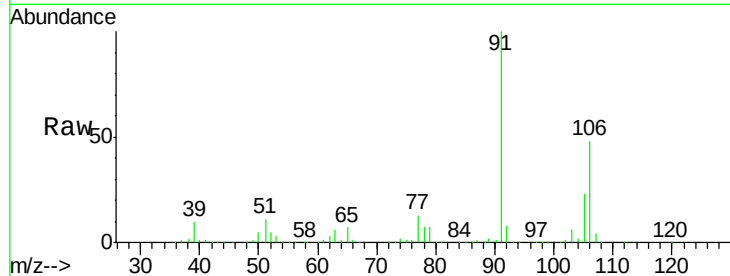
#68  
m/p-Xylenes  
Concen: 93.138 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

Tot Ion:106 Resp: 310138  
Ion Ratio Lower Upper  
106 100  
91 208.4 164.0 246.0

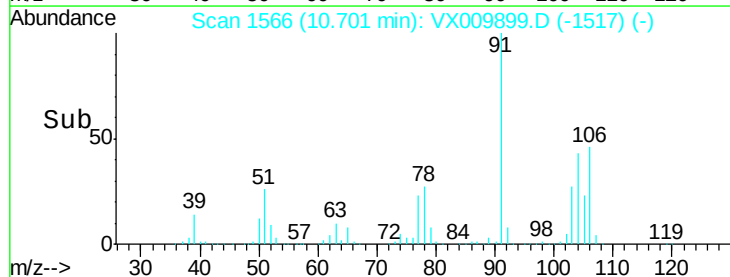
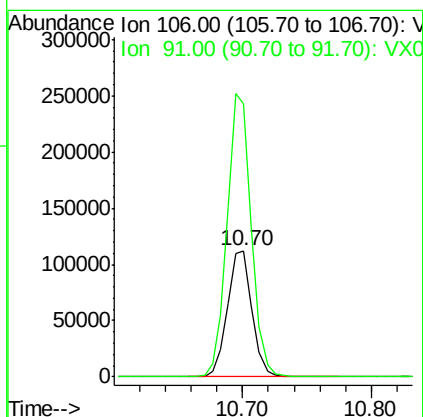
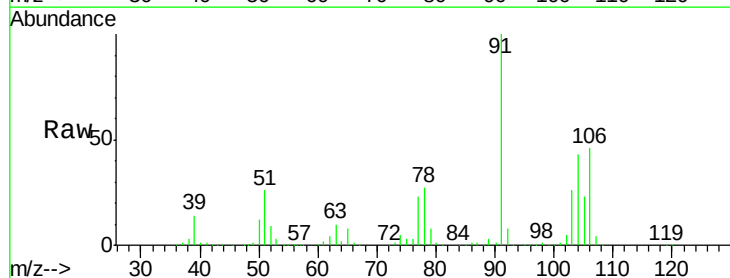
Manual Integrations  
APPROVED

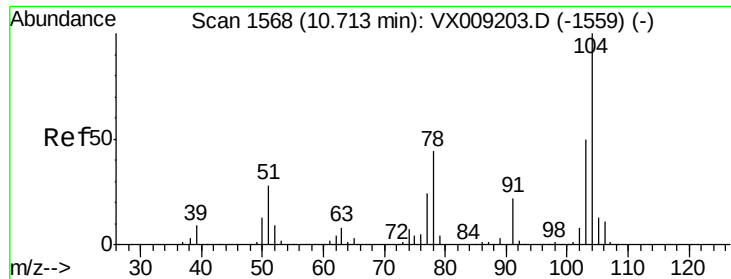
MMDadoda  
5/28/2019 9:52:18 AM



#69  
o-Xylene  
Concen: 45.665 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Tgt Ion:106 Resp: 150028  
Ion Ratio Lower Upper  
106 100  
91 221.7 109.5 328.4





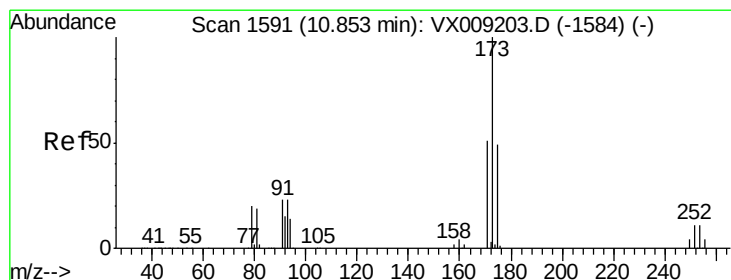
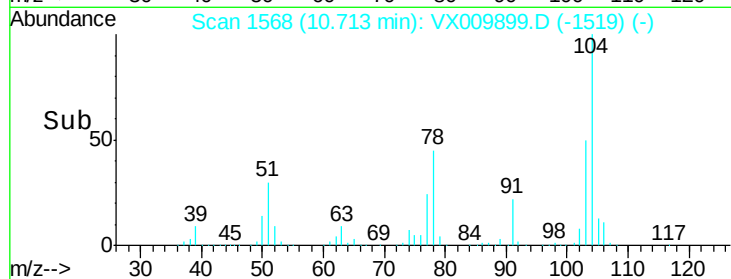
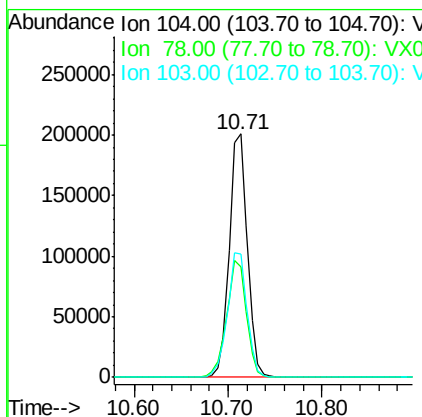
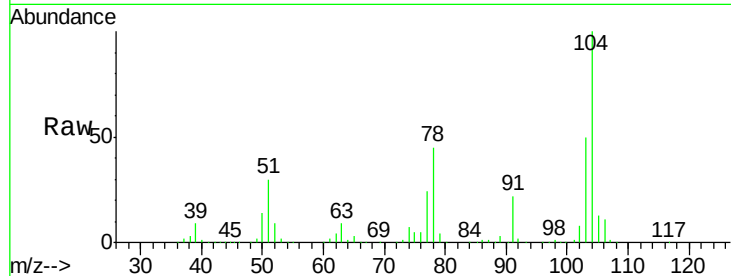
#70  
Stvrene  
Concen: 46.935 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 268014 |       |       |
| 78      | 52.6  | 41.0   | 61.4  |       |
| 103     | 55.4  | 43.8   | 65.6  |       |

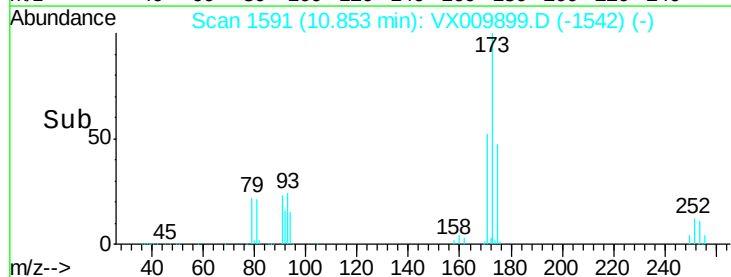
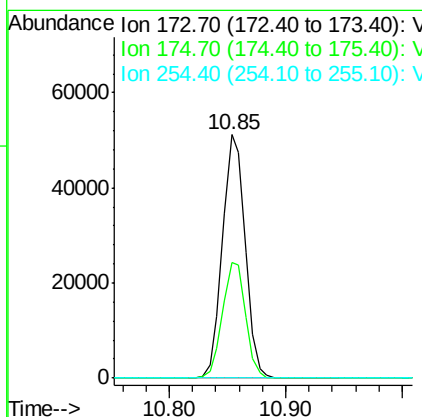
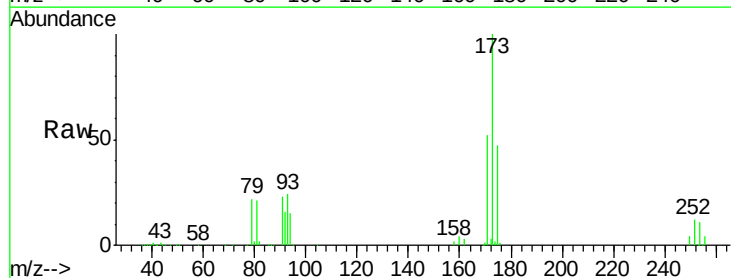
Manual Integrations  
APPROVED

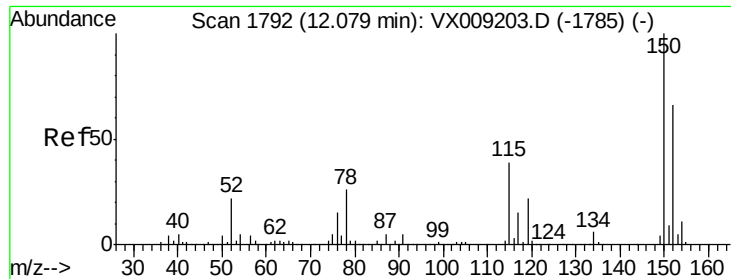
MMDadoda  
5/28/2019 9:52:18 AM



#71  
Bromoform  
Concen: 47.259 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 68938 |       |       |
| 175     | 48.3  | 24.5  | 73.5  |       |
| 254     | 0.2   | 0.1   | 0.1#  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion:152 Resp: 122748

Ion Ratio Lower Upper

152 100

115 79.2 41.2 123.6

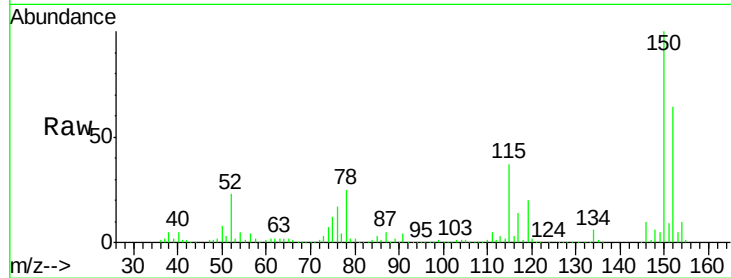
150 170.4 0.0 346.4

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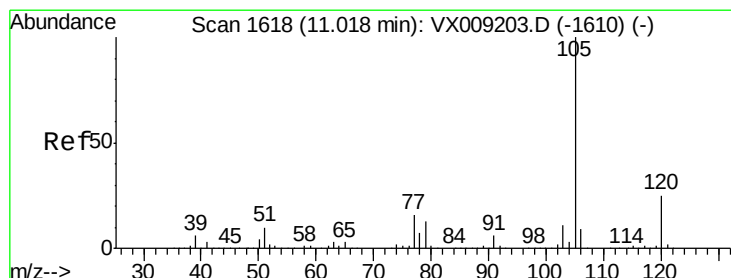
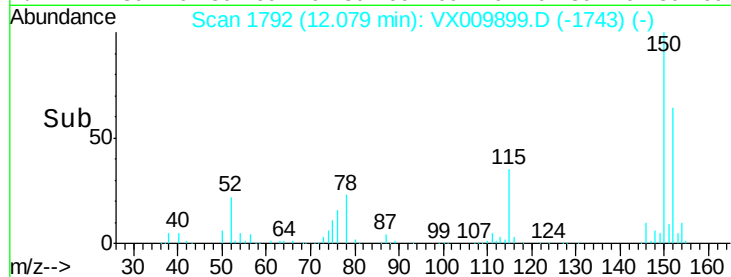
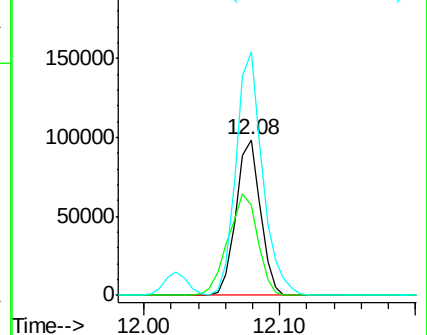
5/28/2019 9:52:18 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 45.058 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009899.D

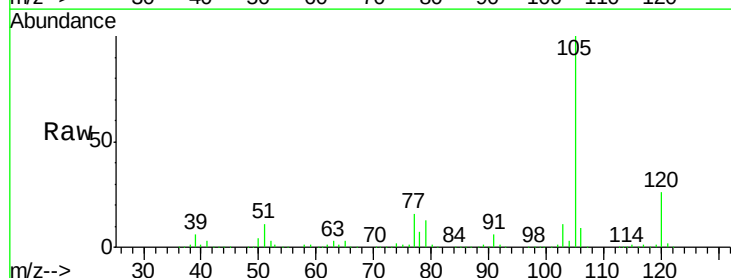
Acq: 24 May 2019 20:04

Tgt Ion:105 Resp: 402190

Ion Ratio Lower Upper

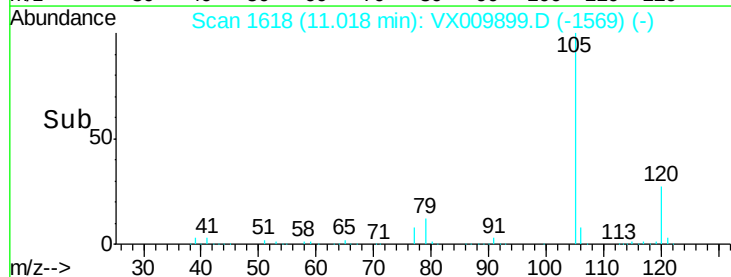
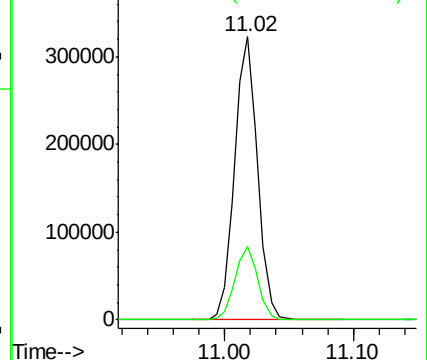
105 100

120 25.8 12.8 38.3

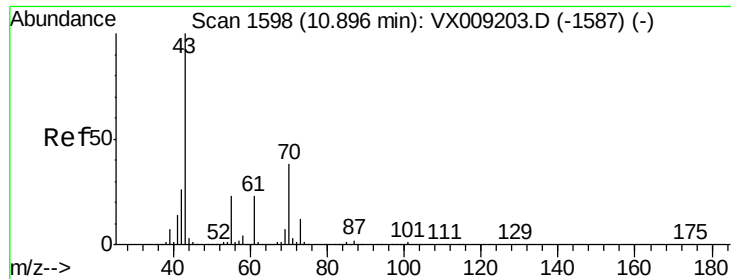


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V







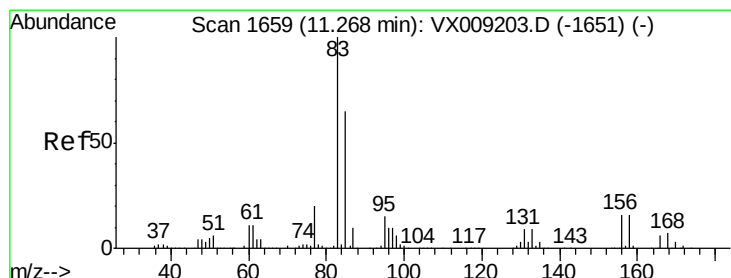
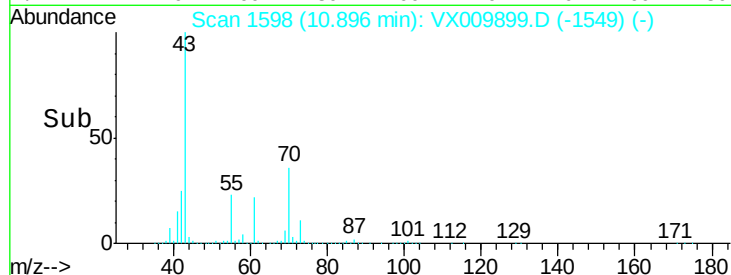
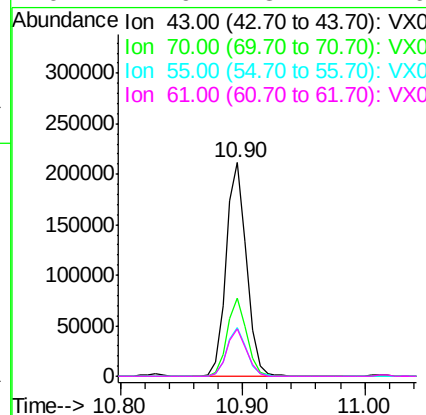
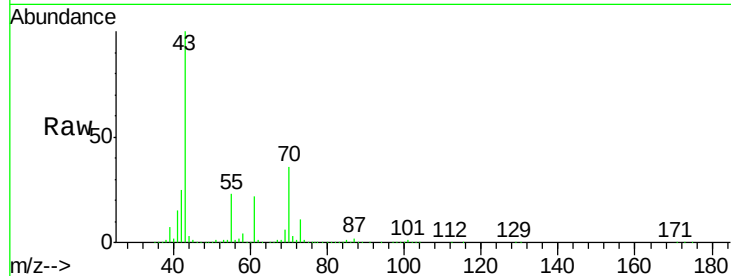
#74  
N-amvl acetate  
Concen: 46.769 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S32-0657MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 243385 |       |       |
| 70      | 35.4  |        | 30.0  | 45.0  |
| 55      | 22.5  |        | 17.9  | 26.9  |
| 61      | 21.9  |        | 18.4  | 27.6  |

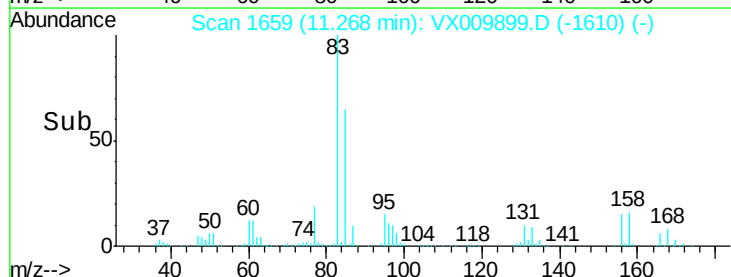
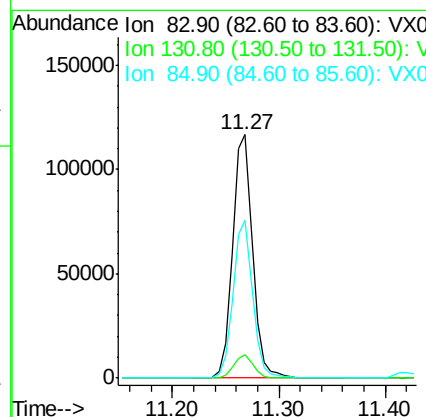
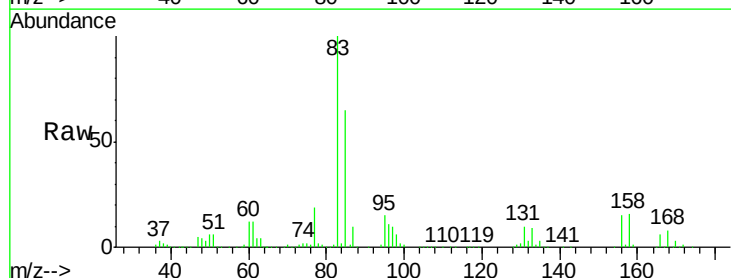
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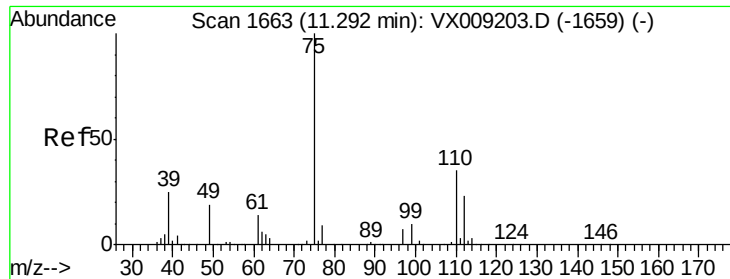
MMDadoda  
5/28/2019 9:52:18 AM



#75  
1,1,2,2-Tetrachloroethane  
Concen: 46.295 ug/l  
RT: 11.27 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 154046 |       |       |
| 131     | 9.3   |        | 4.6   | 13.8  |
| 85      | 63.6  |        | 32.0  | 96.2  |





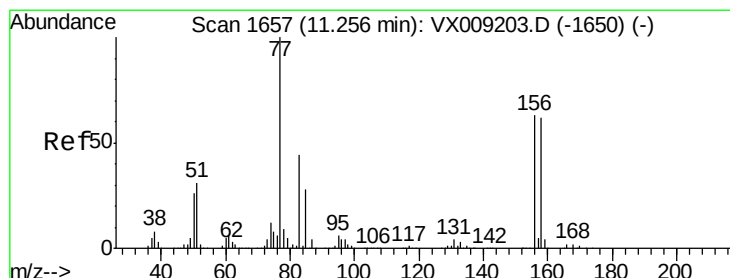
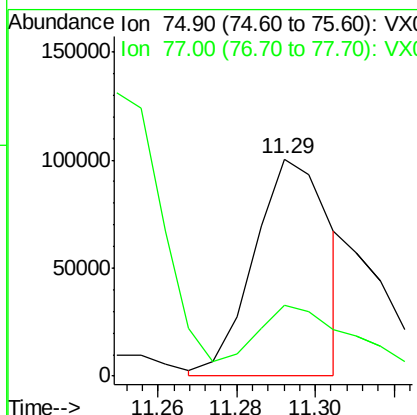
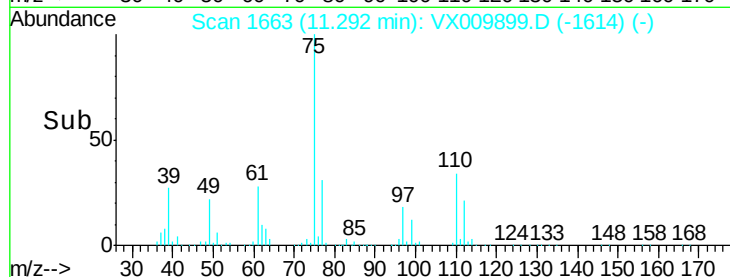
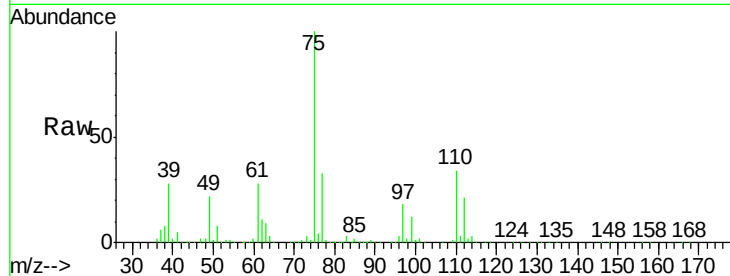
#76  
 1,2,3-Trichloropropane  
 Concen: 46.789 ug/l m  
 RT: 11.29 min Scan# 1663  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

Tot Ion: 75 Resp: 133224  
 Ion Ratio Lower Upper  
 75 100  
 77 43.3 22.1 66.1

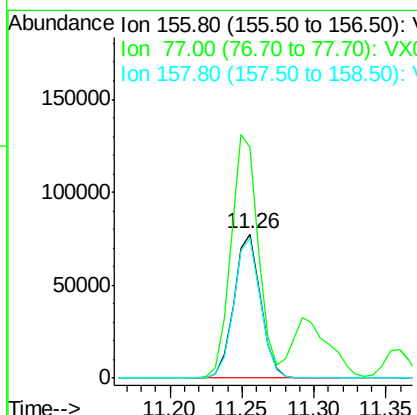
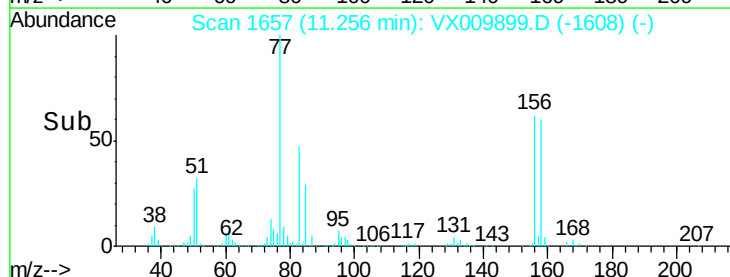
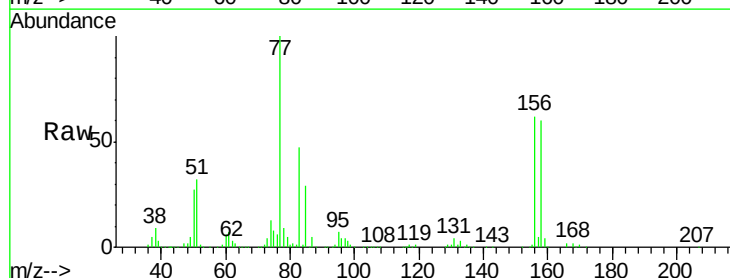
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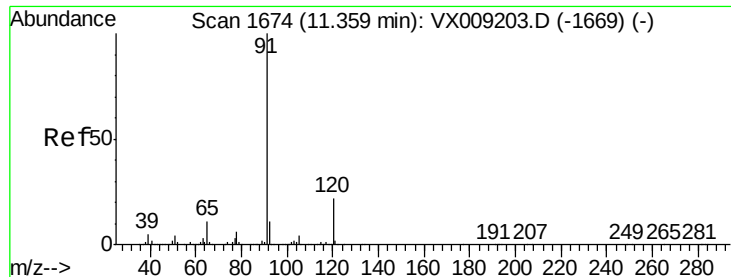
MMDadoda  
 5/28/2019 9:52:18 AM



#77  
 Bromobenzene  
 Concen: 45.169 ug/l  
 RT: 11.26 min Scan# 1657  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Tgt Ion: 156 Resp: 100072  
 Ion Ratio Lower Upper  
 156 100  
 77 173.9 84.8 254.3  
 158 97.4 49.1 147.3





#78

n-propylbenzene

Concen: 45.984 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampleId :

S32-0657MS

Tot Ion: 91 Resp: 468758

Ion Ratio Lower Upper

91 100

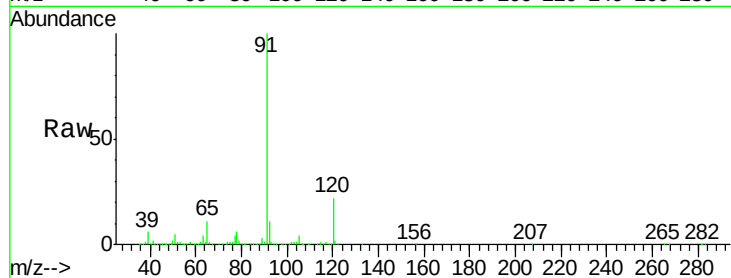
120 22.0 11.0 33.0

Manual Integrations

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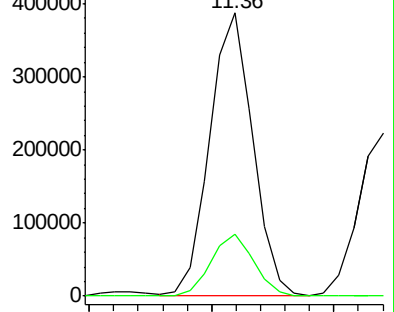
MMDadoda

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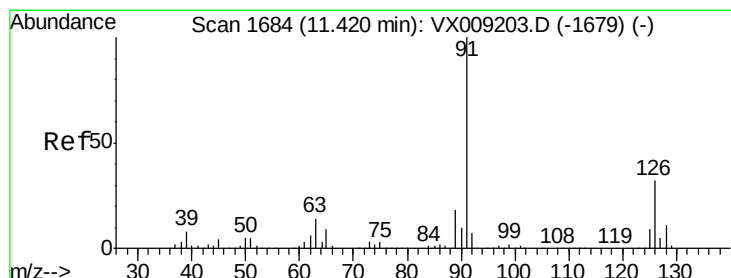
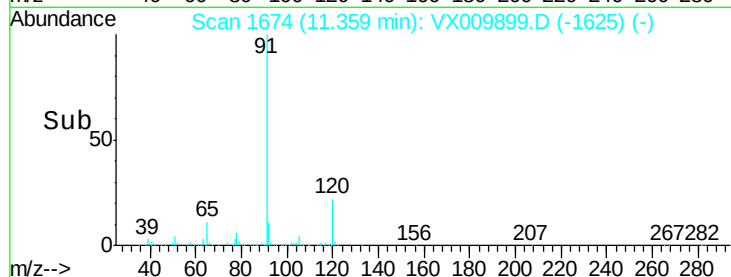


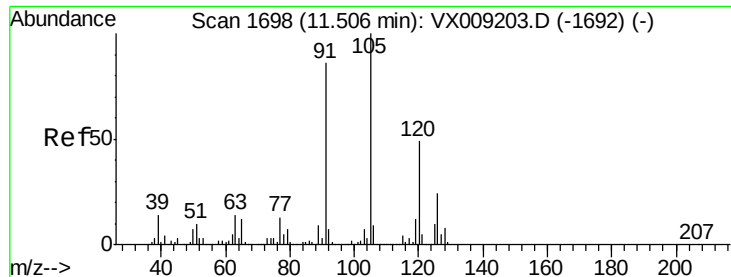
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40





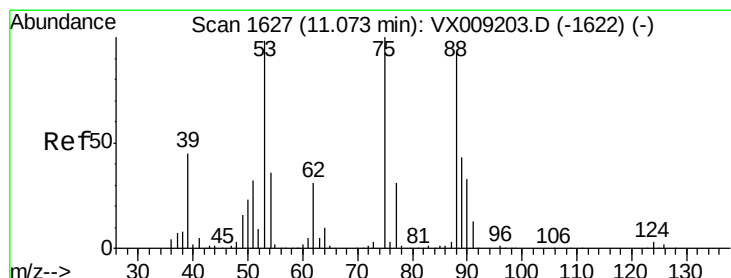
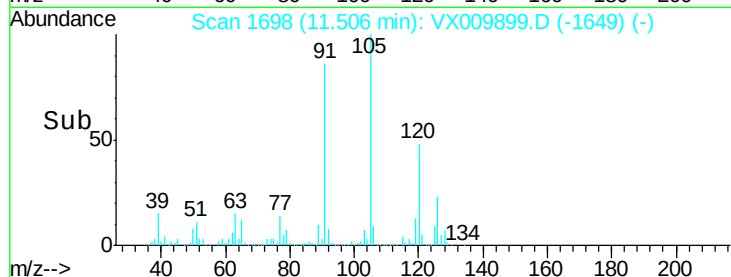
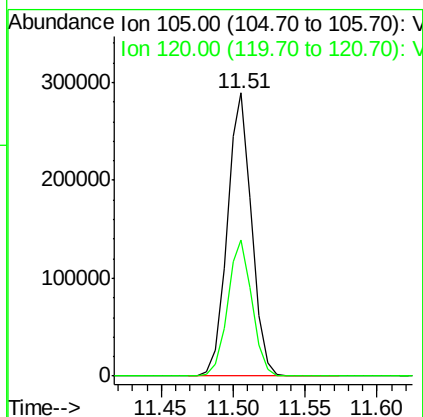
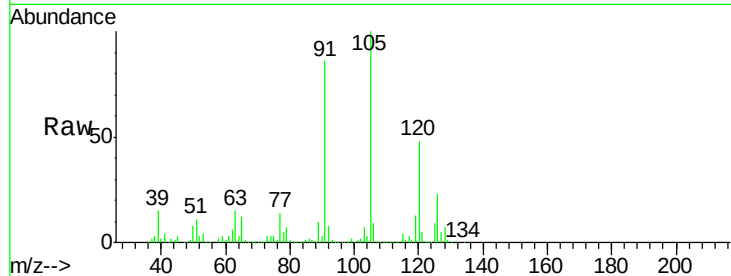
#80  
 1,3,5-Trimethylbenzene  
 Concen: 45.484 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 341851 |       |       |
| 120     | 48.2  | 24.3   | 72.9  |       |

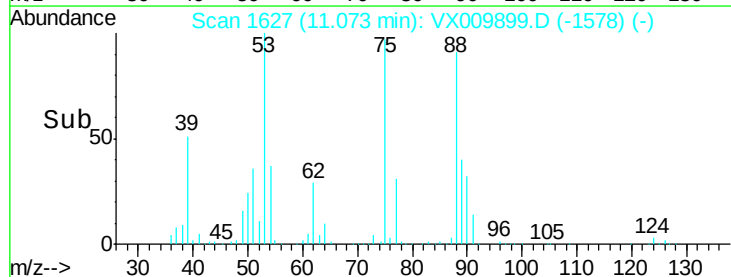
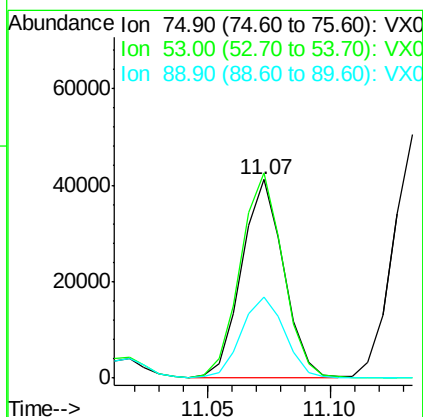
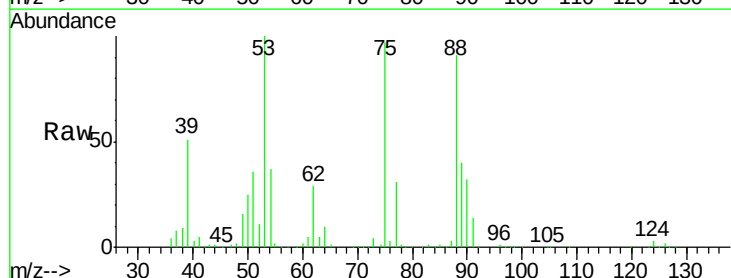
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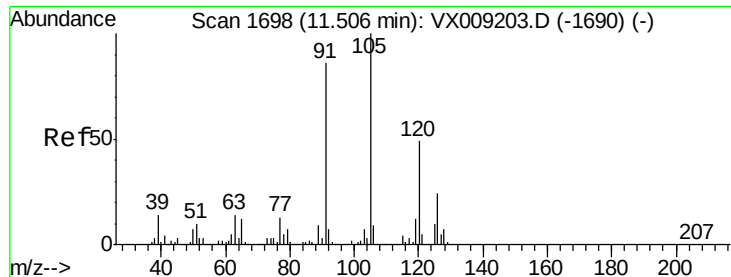
MMDadoda  
 5/28/2019 9:52:18 AM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 43.981 ug/l  
 RT: 11.07 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 48943 |       |       |
| 53      | 104.9 | 79.0  | 118.6 |       |
| 89      | 42.8  | 34.7  | 52.1  |       |





#82

4-Chlorotoluene

Concen: 46.009 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

ClientSampled :

S32-0657MS

Tot Ion: 91 Resp: 326894

Ion Ratio Lower Upper

91 100

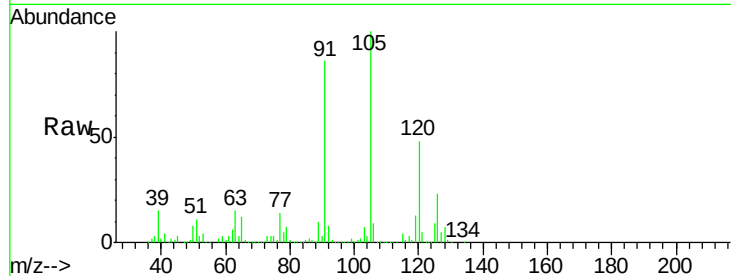
126 28.2 14.5 43.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009899.D (-1649) (-)

Ion 125.90 (125.60 to 126.60): VX009899.D (-1649) (-)

11.51

250000

200000

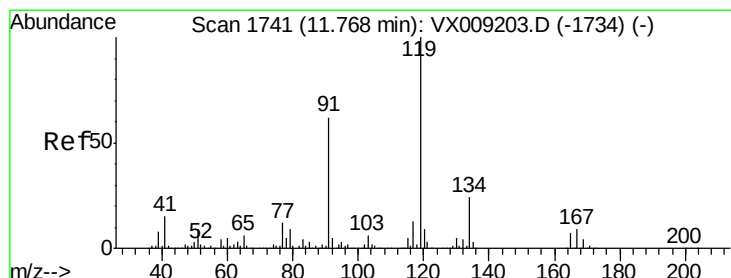
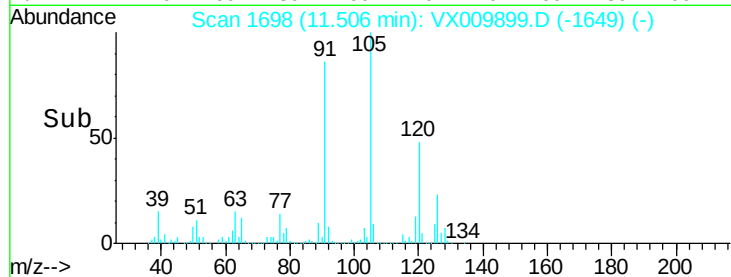
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 45.550 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

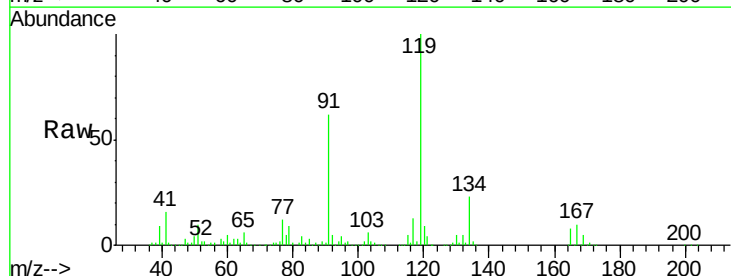
Tgt Ion: 119 Resp: 333032

Ion Ratio Lower Upper

119 100

91 59.0 29.5 88.5

134 22.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): VX009899.D (-1692) (-)

Ion 91.00 (90.70 to 91.70): VX009899.D (-1692) (-)

Ion 134.00 (133.70 to 134.70): VX009899.D (-1692) (-)

11.77

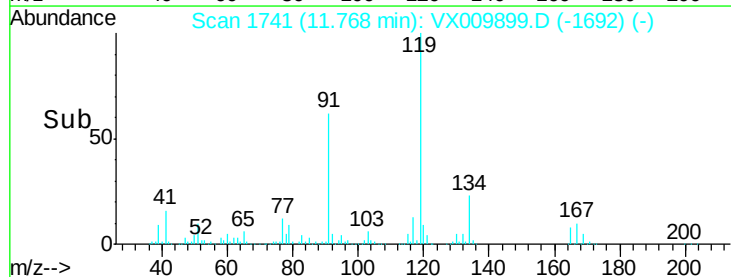
300000

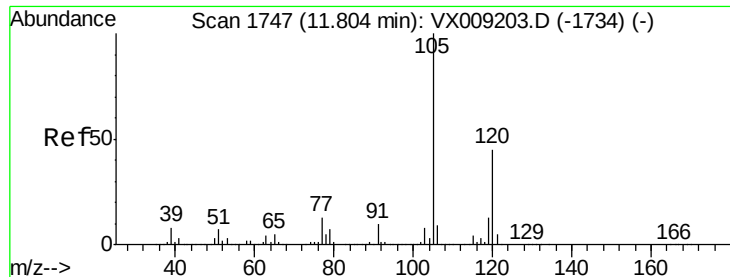
200000

100000

0

Time-->





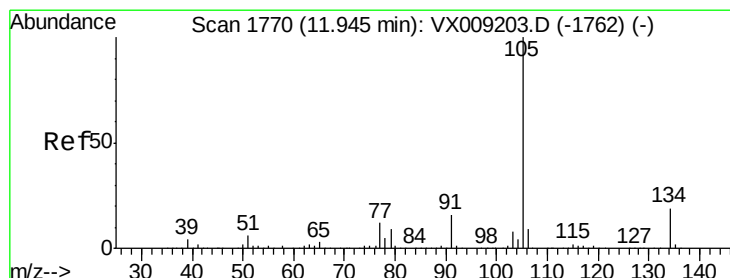
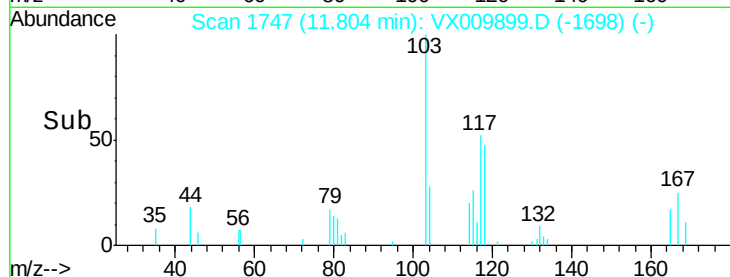
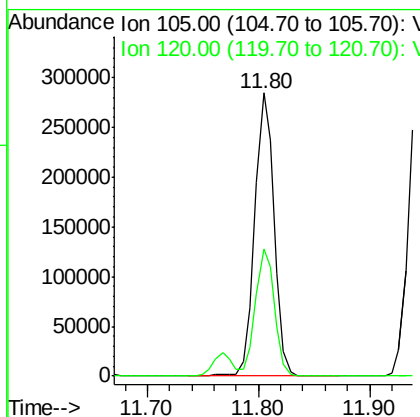
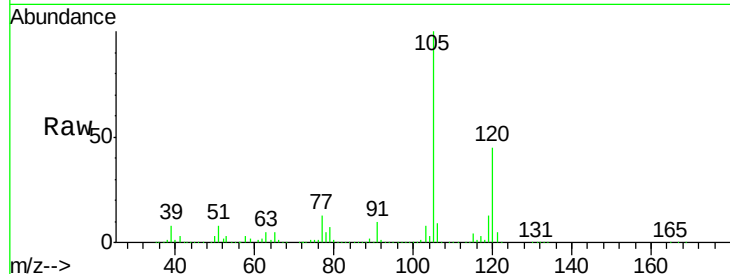
#84  
 1,2,4-Trimethylbenzene  
 Concen: 45.640 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.9  | 22.0  | 66.0  |

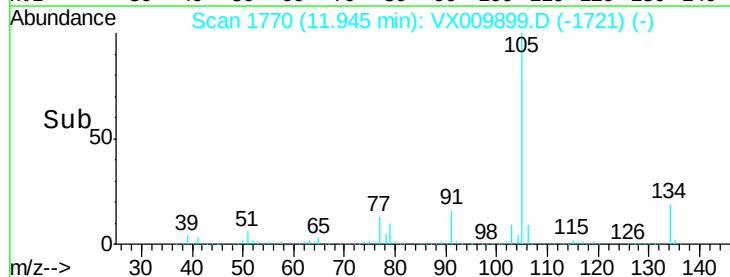
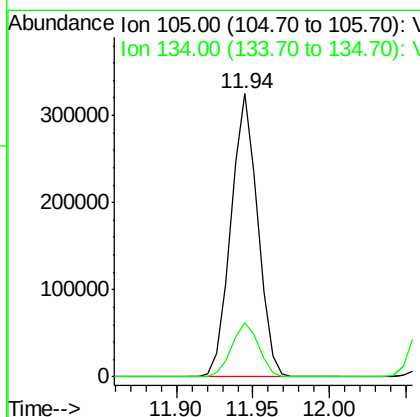
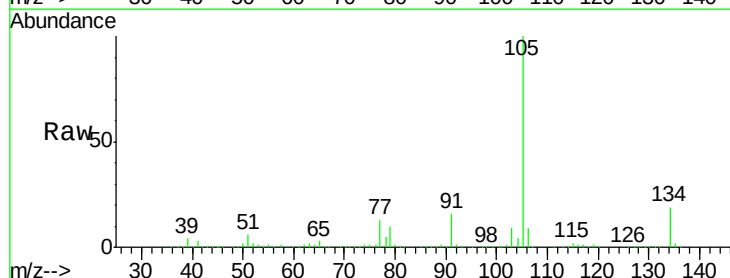
Manual Integrations  
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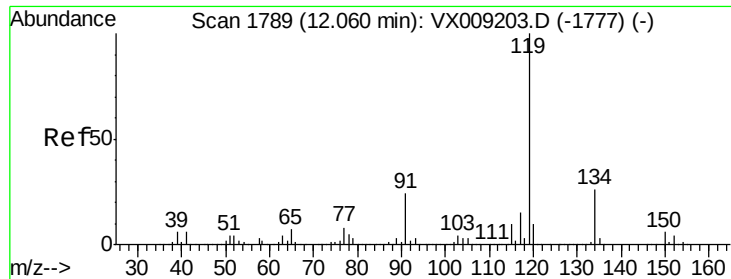
MMDadoda  
 5/28/2019 9:52:18 AM



#85  
 sec-Butylbenzene  
 Concen: 45.099 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 9.7   | 28.9  |





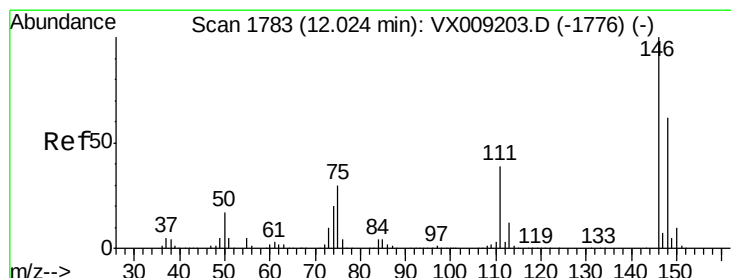
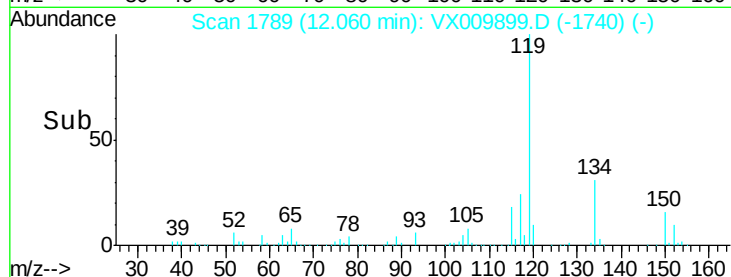
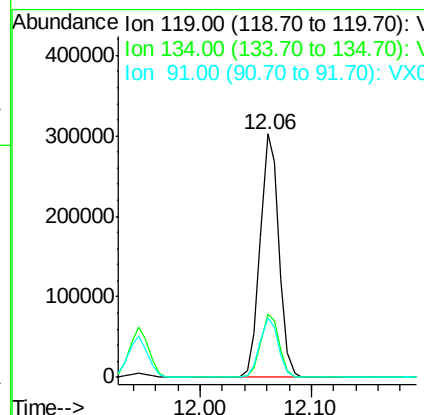
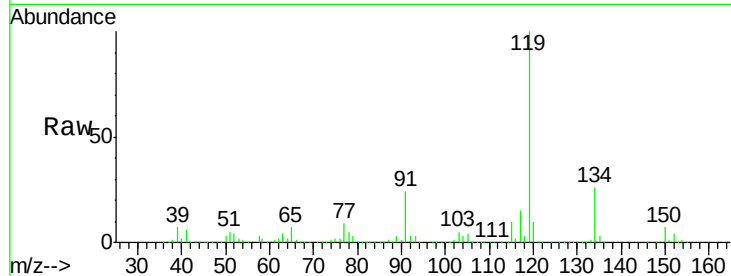
#86  
 p-Isopropyltoluene  
 Concen: 45.568 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 355092 |       |       |
| 134     | 25.7  | 12.9   | 38.7  |       |
| 91      | 24.2  | 11.8   | 35.4  |       |

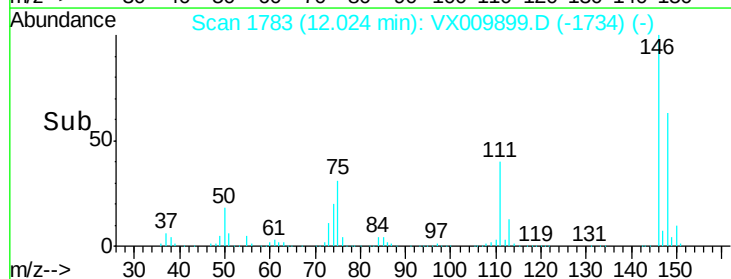
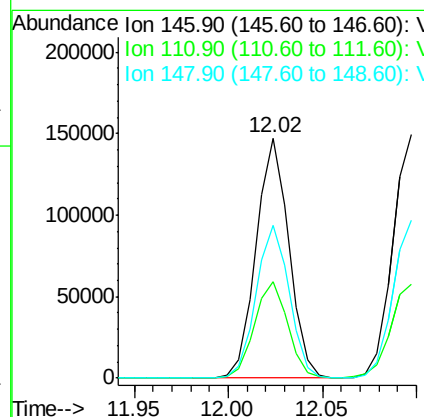
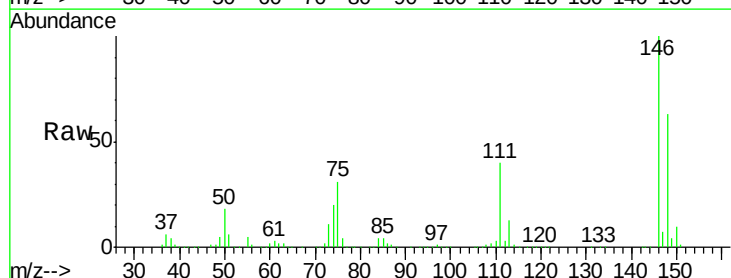
Manual Integrations  
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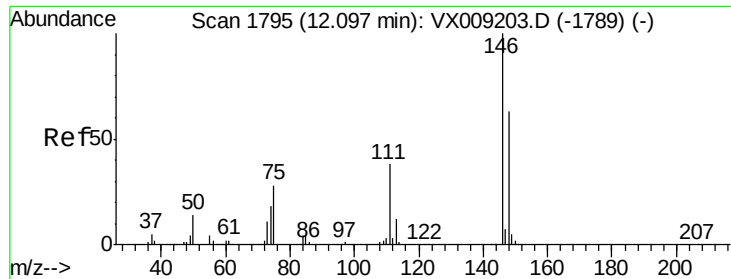
MMDadoda  
 5/28/2019 9:52:18 AM



#87  
 1,3-Dichlorobenzene  
 Concen: 44.985 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 177669 |       |       |
| 111     | 40.7  | 20.0   | 59.9  |       |
| 148     | 64.2  | 31.8   | 95.3  |       |





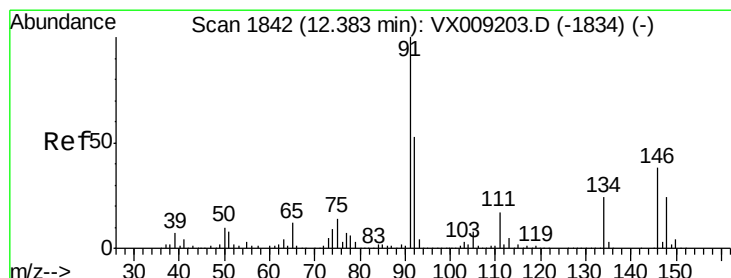
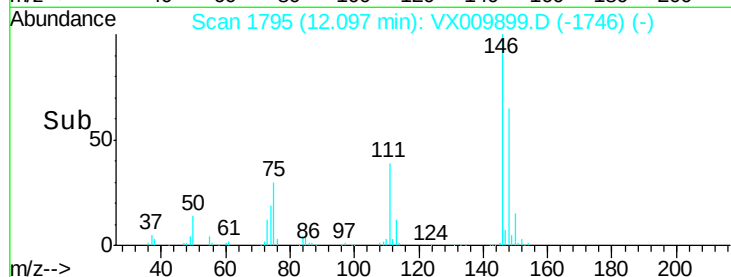
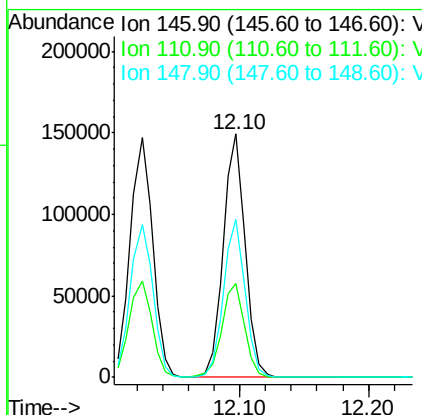
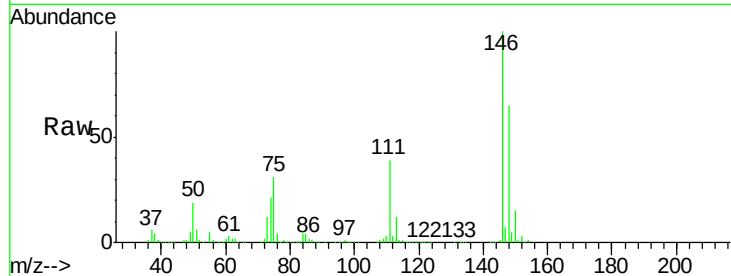
#88  
 1,4-Dichlorobenzene  
 Concen: 44.984 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.8  | 19.6  | 58.8  |
| 148     | 64.4  | 31.8  | 95.3  |

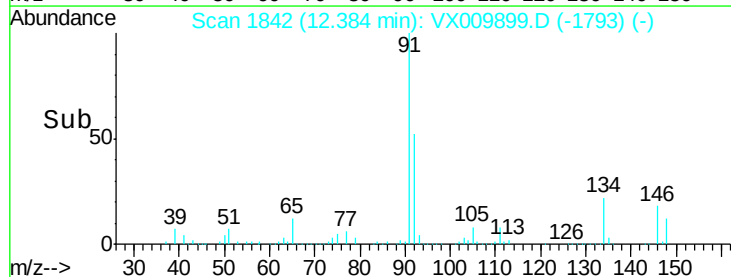
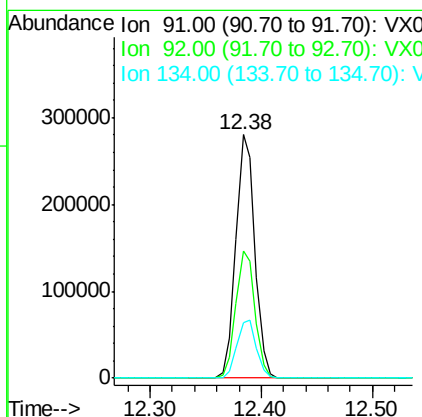
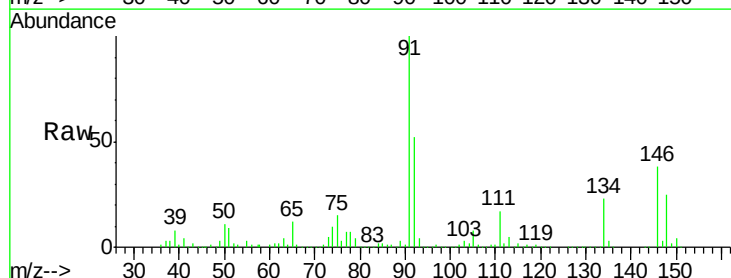
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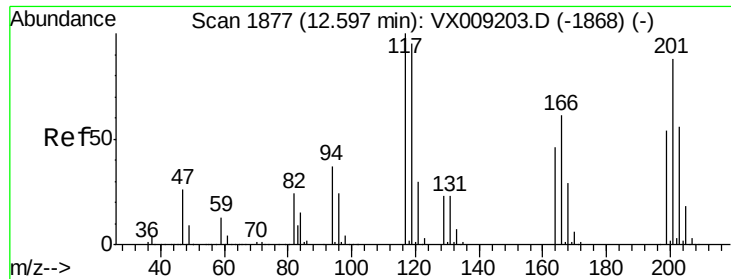


#89  
 n-Butylbenzene  
 Concen: 46.904 ug/l  
 RT: 12.38 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 26.5  | 79.5  |
| 134     | 24.4  | 12.4  | 37.2  |







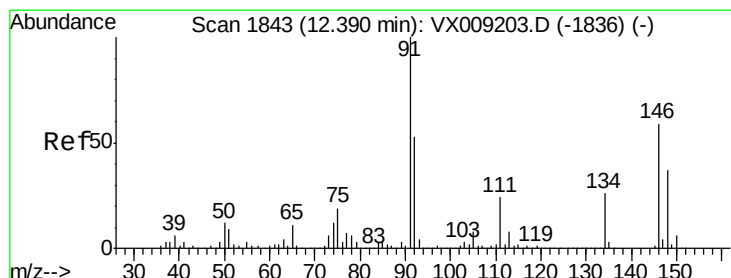
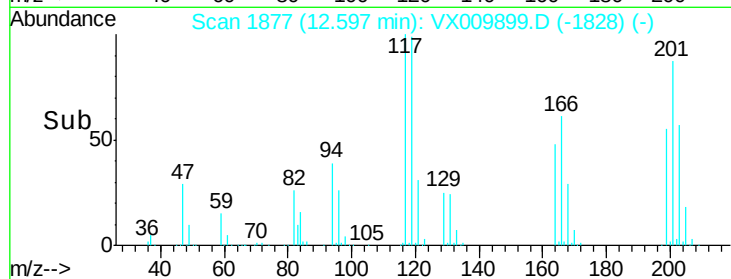
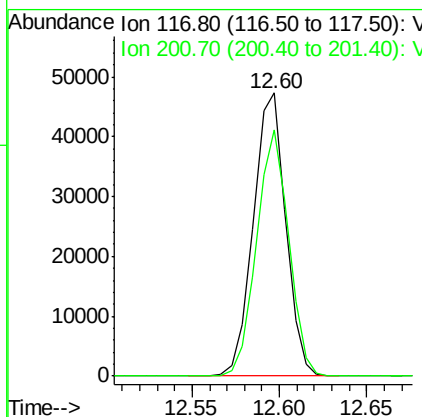
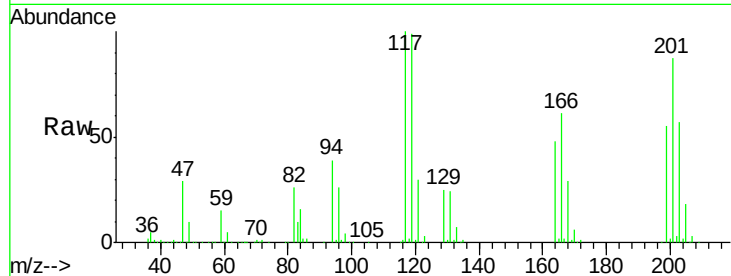
#90  
Hexachloroethane  
Concen: 45.875 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Instrument :  
MSVOA\_X  
ClientSampled :  
S32-0657MS

Tot Ion:117 Resp: 60904  
Ion Ratio Lower Upper  
117 100  
201 85.8 42.3 126.9

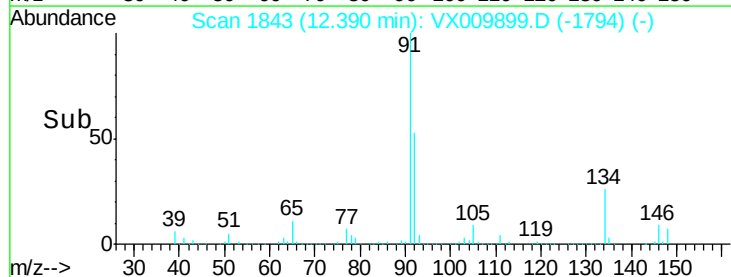
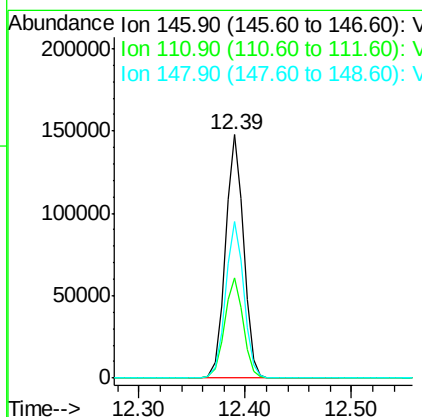
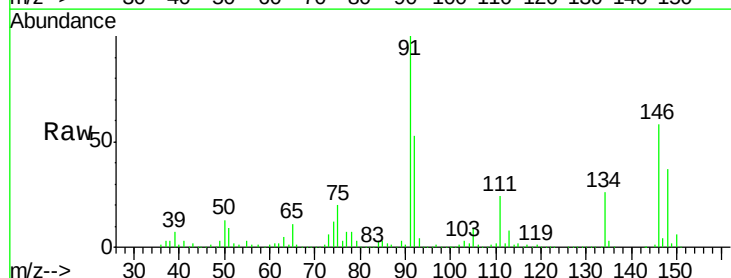
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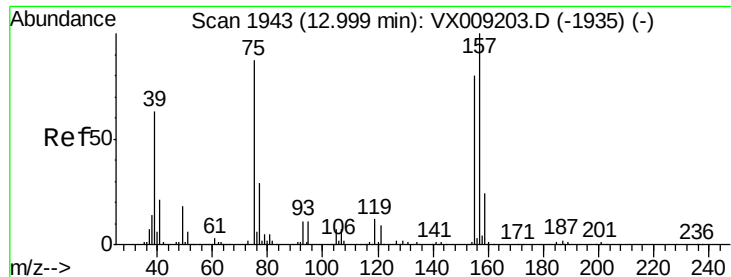
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#91  
1,2-Dichlorobenzene  
Concen: 43.861 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX009899.D  
Acq: 24 May 2019 20:04

Tgt Ion:146 Resp: 176441  
Ion Ratio Lower Upper  
146 100  
111 42.2 20.8 62.4  
148 64.6 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.327 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

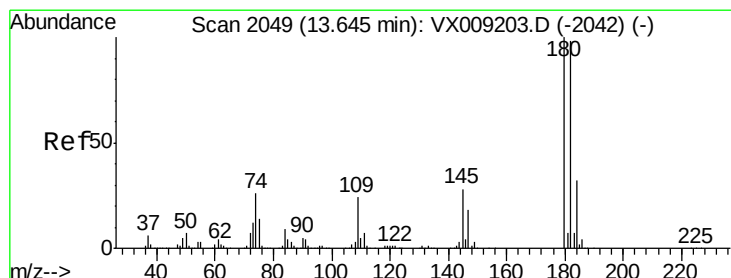
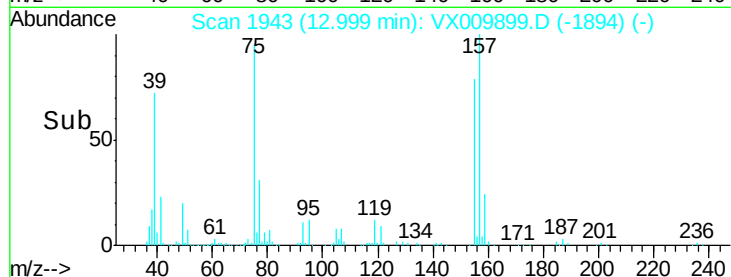
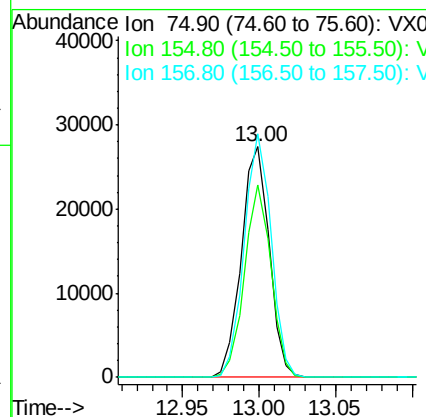
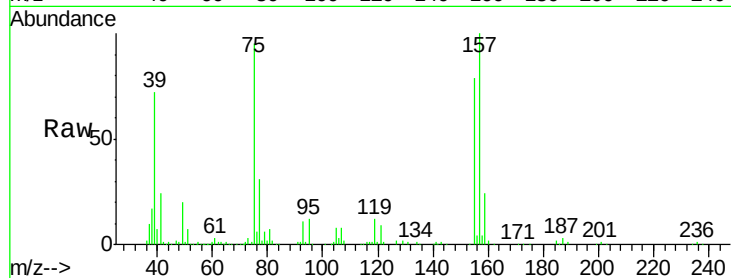
ClientSampleId :

S32-0657MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 34581 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 79.7  | 42.0  | 126.0 |
| 157       | 102.5 | 53.2  | 159.6 |

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#93

1,2,4-Trichlorobenzene

Concen: 46.019 ug/l

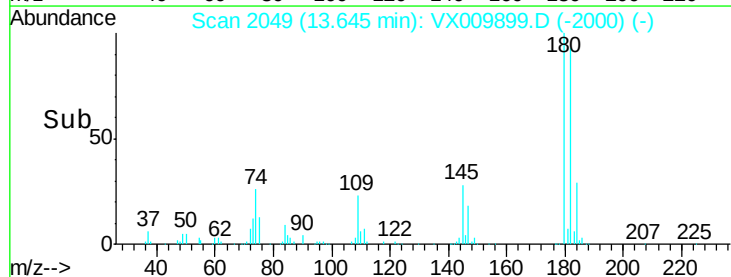
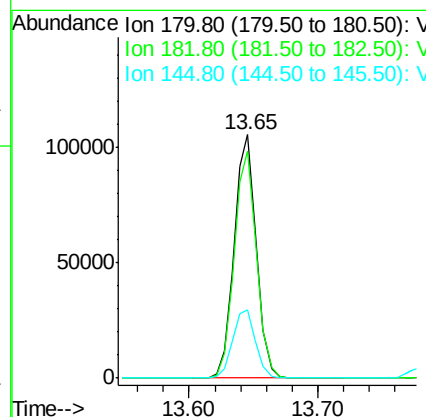
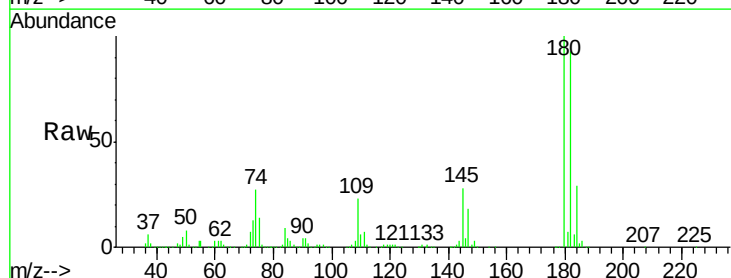
RT: 13.65 min Scan# 2049

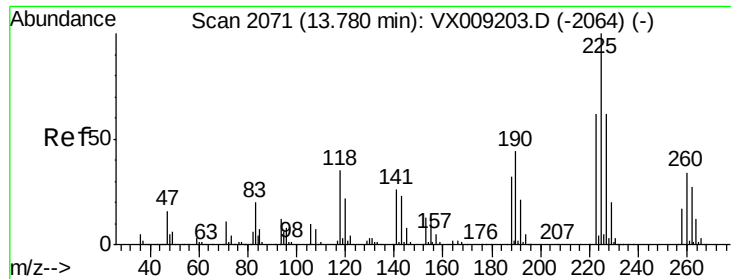
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 126594 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.9  | 48.4  | 145.2  |
| 145       | 29.1  | 14.6  | 43.8   |





#94

Hexachlorobutadiene

Concen: 45.481 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

Instrument :

MSVOA\_X

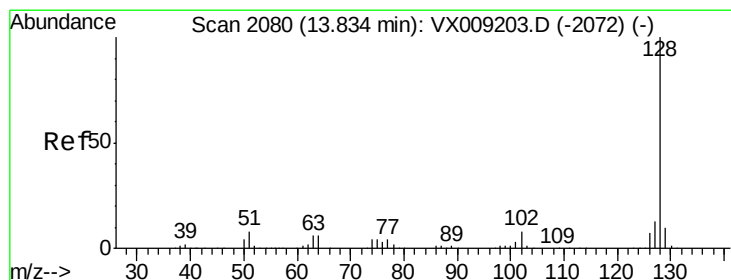
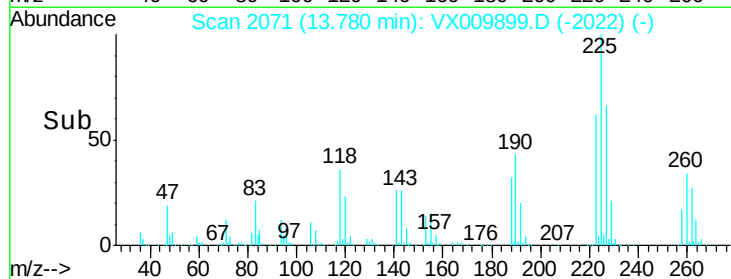
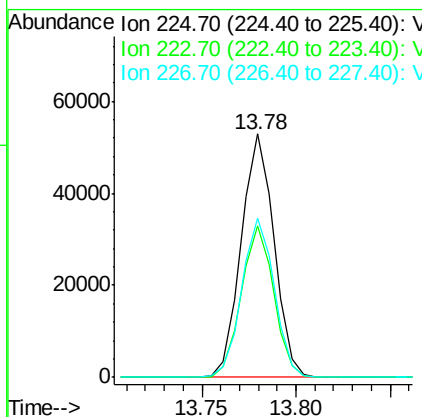
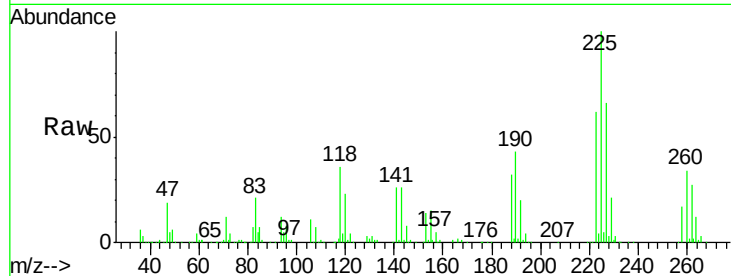
ClientSampleId :

S32-0657MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 63891 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.6  | 31.3  | 93.8  |
| 227       | 64.8  | 31.8  | 95.3  |

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#95

Naphthalene

Concen: 45.991 ug/l

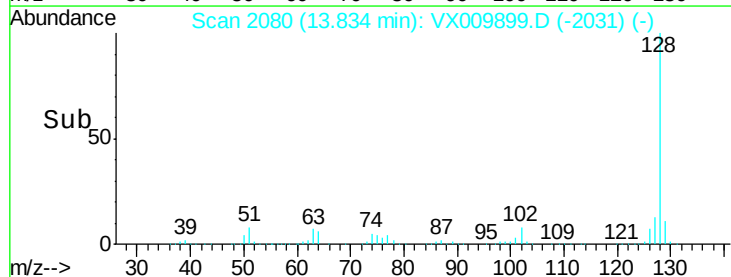
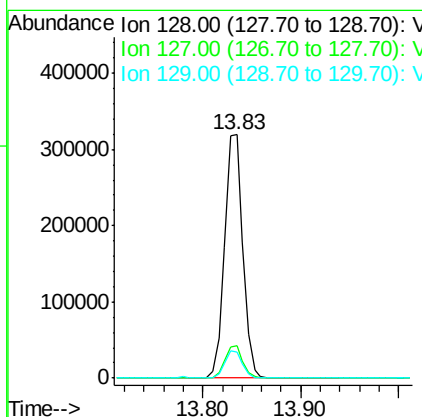
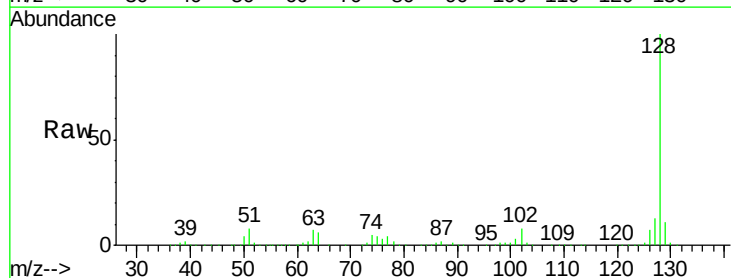
RT: 13.83 min Scan# 2080

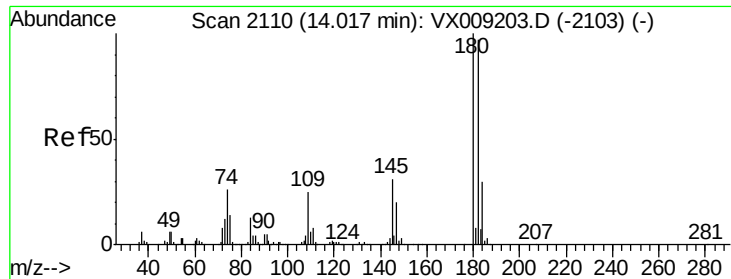
Delta R.T. 0.00 min

Lab File: VX009899.D

Acq: 24 May 2019 20:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 411610 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.4  | 15.6   |
| 129       | 11.0  | 8.6   | 13.0   |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 44.645 ug/l  
 RT: 14.02 min Scan# 2110  
 Delta R.T. 0.00 min  
 Lab File: VX009899.D  
 Acq: 24 May 2019 20:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S32-0657MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 96.1  | 47.8       | 143.4 |
| 145     | 30.7  | 15.4       | 46.4  |

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