

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\  
 Data File : VX009263.D  
 Acq On : 01 May 2019 18:47  
 Operator : JC/SP  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/2/2019 10:53:57 AM

Quant Time: May 02 07:11:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 02 06:46:57 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.01  | 128  | 31204    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 178003   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 157218   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 75022    | 28.98    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 96.60% |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 79532    | 29.77    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 99.23% |
| 63) Toluene-d8            | 8.71   | 98    | 222458   | 29.84    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.47% |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 33467  | 20.184  | ug/l 99    |
| 3) Chloromethane              | 1.32 | 50  | 45101  | 20.237  | ug/l 99    |
| 4) Vinyl Chloride             | 1.40 | 62  | 43677  | 19.644  | ug/l 97    |
| 5) Bromomethane               | 1.64 | 94  | 27409  | 19.448  | ug/l 97    |
| 6) Chloroethane               | 1.72 | 64  | 28791  | 19.745  | ug/l 99    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 55210  | 20.110  | ug/l 97    |
| 8) Diethyl Ether              | 2.18 | 74  | 26237  | 20.581  | ug/l 99    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 35029  | 20.608  | ug/l 99    |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 34227  | 20.054  | ug/l 96    |
| 11) Methyl Iodide             | 2.51 | 142 | 36824  | 19.847  | ug/l 100   |
| 12) Methyl Acetate            | 2.77 | 43  | 64429  | 20.042  | ug/l 98    |
| 13) Acrolein                  | 2.29 | 56  | 36425  | 82.611  | ug/l 100   |
| 14) Acrylonitrile             | 3.14 | 53  | 142492 | 102.134 | ug/l 99    |
| 15) Acetone                   | 2.44 | 58  | 39280  | 98.062  | ug/l 96    |
| 16) Carbon Disulfide          | 2.57 | 76  | 90860  | 19.676  | ug/l 99    |
| 17) Allyl chloride            | 2.73 | 41  | 82536  | 20.143  | ug/l 98    |
| 18) Methylene Chloride        | 2.85 | 84  | 41998  | 20.361  | ug/l 96    |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 36909  | 20.282  | ug/l 99    |
| 20) Diisopropyl ether         | 3.85 | 45  | 163515 | 20.264  | ug/l 99    |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 79120  | 20.261  | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 43887  | 20.022  | ug/l 97    |
| 23) tert-Butyl Alcohol        | 3.04 | 59  | 59715  | 101.224 | ug/l 100   |
| 24) Methyl tert-Butyl Ether   | 3.19 | 73  | 135288 | 20.255  | ug/l 100   |
| 25) Chloroform                | 5.21 | 83  | 71933  | 20.186  | ug/l 99    |
| 26) Cyclohexane               | 5.58 | 56  | 73385  | 20.164  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 53154  | 20.351  | ug/l 98    |
| 30) 2-Butanone                | 4.67 | 43  | 215123 | 105.169 | ug/l 99    |
| 31) 2,2-Dichloropropane       | 4.58 | 77  | 57407  | 19.937  | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 59185  | 20.903  | ug/l 98    |
| 33) Carbon Tetrachloride      | 5.79 | 117 | 48117  | 20.311  | ug/l 99    |
| 34) Benzene                   | 6.14 | 78  | 170137 | 21.129  | ug/l 99    |
| 35) Methacrylonitrile         | 5.04 | 41  | 44748  | 20.909  | ug/l 97    |
| 36) 1,2-Dichloroethane        | 6.19 | 62  | 61358  | 21.000  | ug/l 99    |
| 37) Trichloroethene           | 7.21 | 130 | 39739  | 20.501  | ug/l 98    |
| 38) Methylcyclohexane         | 7.46 | 83  | 66119  | 20.490  | ug/l 100   |
| 39) 1,2-Dichloropropane       | 7.51 | 63  | 47035  | 20.512  | ug/l 94    |
| 40) Dibromomethane            | 7.66 | 93  | 27261  | 20.946  | ug/l 98    |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/2/2019 10:53:57 AM

Quant Time: May 02 07:11:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 02 06:46:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.90  | 83   | 53906    | 20.277  | ug/l  | 100      |
| 42) Vinyl Acetate              | 3.81  | 43   | 713641   | 105.708 | ug/l  | 99       |
| 43) Ethyl Acetate              | 4.83  | 43   | 78336    | 21.194  | ug/l  | 98       |
| 44) Isopropyl Acetate          | 6.45  | 43   | 125099   | 20.892  | ug/l  | 98       |
| 45) 1,4-Dioxane                | 7.74  | 88   | 24979    | 424.903 | ug/l  | 98       |
| 46) Methyl methacrylate        | 7.77  | 41   | 61090    | 20.441  | ug/l  | 99       |
| 47) n-amyl Acetate             | 10.90 | 43   | 109006   | 20.209  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 63054    | 20.328  | ug/l  | 95       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 68659    | 20.163  | ug/l  | 97       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 41922    | 21.024  | ug/l  | 98       |
| 51) Ethyl methacrylate         | 9.18  | 69   | 75080    | 20.376  | ug/l  | 98       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 74350    | 21.010  | ug/l  | 99       |
| 53) Dibromochloromethane       | 9.58  | 129  | 40742    | 20.516  | ug/l  | 99       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 41760    | 20.420  | ug/l  | 98       |
| 55) 2-Chloroethyl vinyl ether  | 8.31  | 63   | 194481   | 99.048  | ug/l  | 99       |
| 56) Bromoform                  | 10.85 | 173  | 29976    | 19.664  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.64  | 43   | 406129   | 105.057 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 315718   | 104.124 | ug/l  | 100      |
| 61) Tetrachloroethene          | 9.34  | 164  | 37321    | 21.534  | ug/l  | 97       |
| 62) Toluene                    | 8.78  | 91   | 178229   | 21.215  | ug/l  | 99       |
| 64) Chlorobenzene              | 10.13 | 112  | 105763   | 20.918  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 37848    | 20.444  | ug/l  | 100      |
| 66) Ethyl Benzene              | 10.25 | 91   | 195861   | 20.928  | ug/l  | 98       |
| 67) m/p-Xylenes                | 10.36 | 106  | 142091   | 41.583  | ug/l  | 100      |
| 68) o-Xylene                   | 10.69 | 106  | 70024    | 20.841  | ug/l  | 100      |
| 69) Styrene                    | 10.71 | 104  | 120841   | 20.488  | ug/l  | 99       |
| 70) Isopropylbenzene           | 11.02 | 105  | 188466   | 20.857  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 69106    | 20.883  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 11.29 | 75   | 60224m   | 21.118  | ug/l  |          |
| 73) Bromobenzene               | 11.26 | 156  | 45849    | 20.537  | ug/l  | 99       |
| 74) n-propylbenzene            | 11.36 | 91   | 213292   | 20.369  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 129342   | 20.594  | ug/l  | 98       |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 159794   | 20.877  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 21451    | 18.648  | ug/l  | 98       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 145989   | 20.466  | ug/l  | 99       |
| 79) tert-butylbenzene          | 11.77 | 119  | 152711   | 20.638  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 157663   | 20.552  | ug/l  | 99       |
| 81) sec-Butylbenzene           | 11.94 | 105  | 178525   | 20.307  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 162643   | 20.338  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 79755    | 20.004  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 80082    | 20.160  | ug/l  | 99       |
| 85) n-Butylbenzene             | 12.38 | 91   | 143817   | 19.654  | ug/l  | 100      |
| 86) Hexachloroethane           | 12.60 | 117  | 26701    | 19.622  | ug/l  | 99       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 82083    | 20.452  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 15666    | 20.372  | ug/l  | 100      |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 57802    | 20.206  | ug/l  | 99       |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 28521    | 19.960  | ug/l  | 99       |
| 91) Naphthalene                | 13.83 | 128  | 197067   | 21.041  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 60150    | 20.685  | ug/l  | 99       |

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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
5/2/2019 10:53:57 AM

Quant Time: May 02 07:11:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu May 02 06:46:57 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

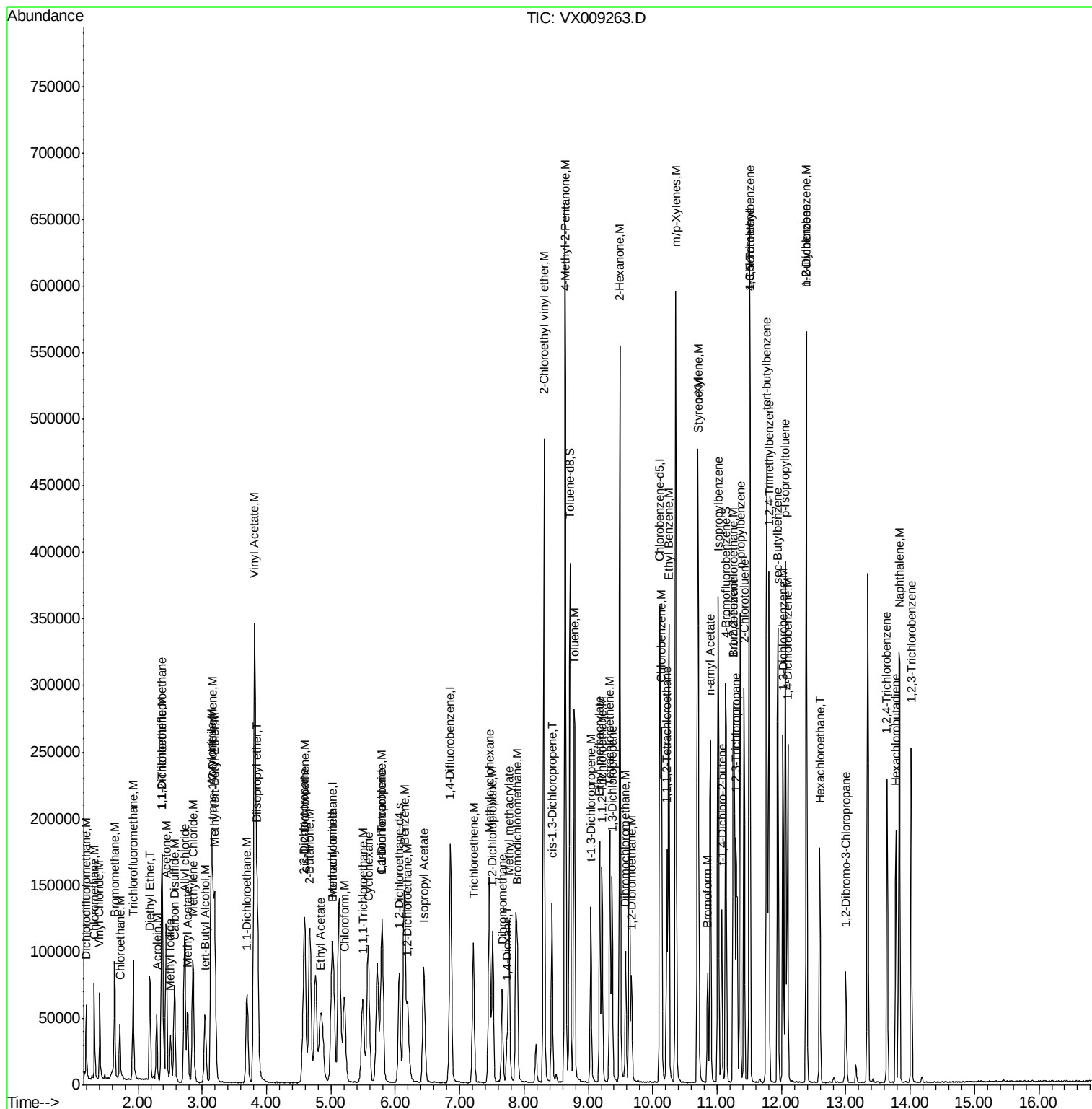
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 Data File : VX009263.D  
 Acq On : 01 May 2019 18:47  
 Operator : JC/SP  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

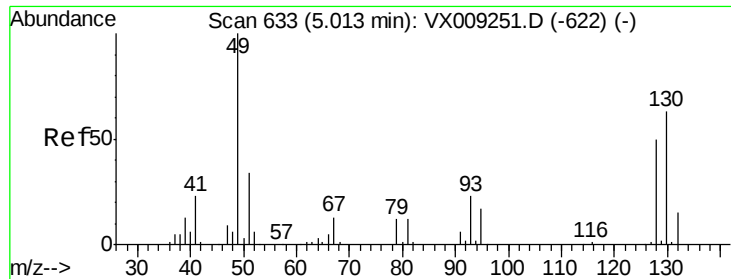
Instrument :  
 MSVOA\_X  
 Client Sample ID :  
 VSTDCCC020EC

Manual Integrations  
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MMDadoda  
 5/2/2019 10:53:57 AM

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 QLast Update : Thu May 02 06:46:57 2019  
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#1

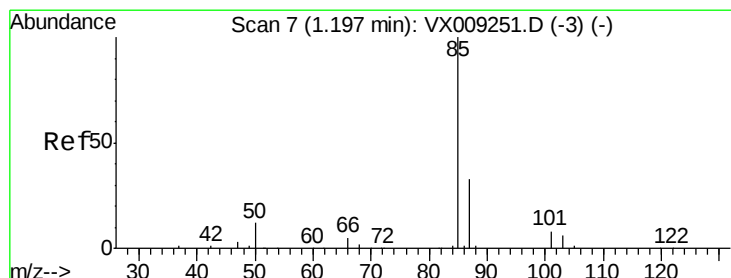
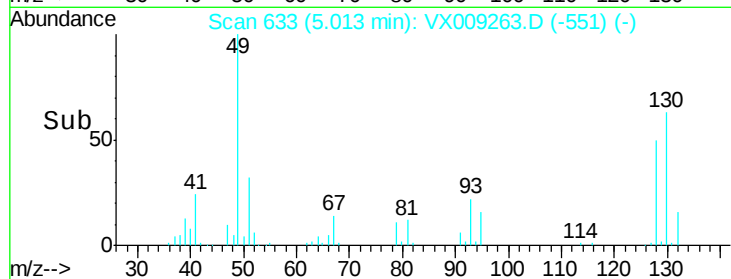
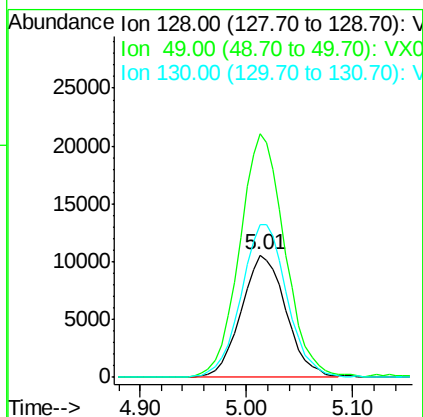
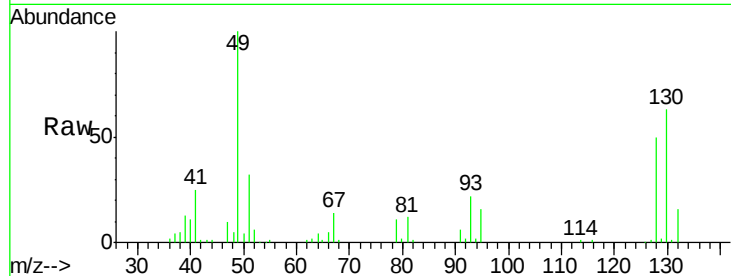
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 5.01 min Scan# 633  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 199.9 | 0.0   | 515.0 |
| 130     | 127.6 | 0.0   | 323.3 |

Manual Integrations  
APPROVED

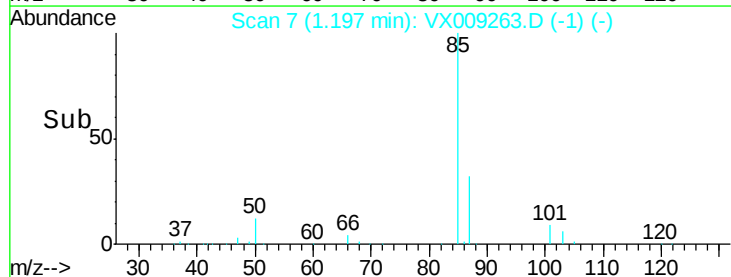
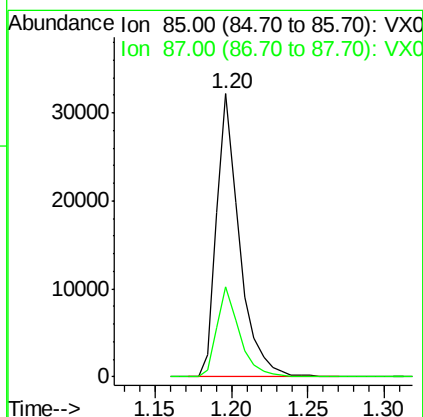
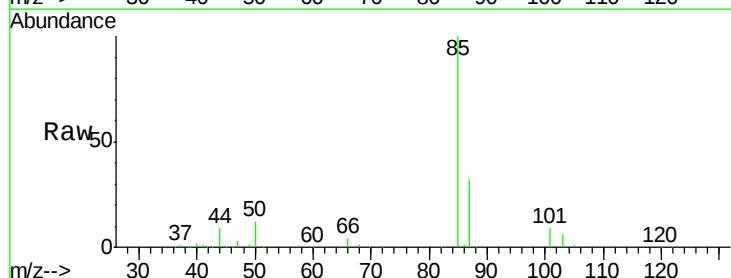
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5/2/2019 10:53:57 AM

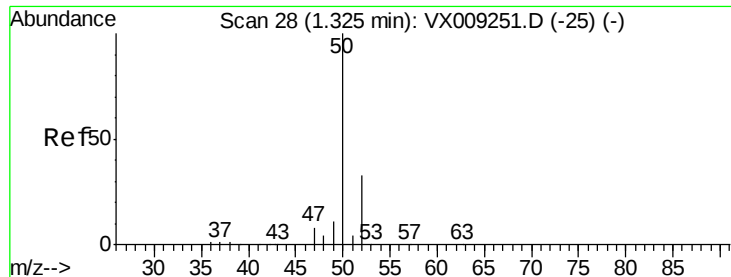


#2

Dichlorodifluoromethane  
Concen: 20.184 ug/l  
RT: 1.20 min Scan# 7  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.9  | 16.3  | 48.9  |





#3

Chloromethane

Concen: 20.237 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 45101

Ion Ratio Lower Upper

50 100

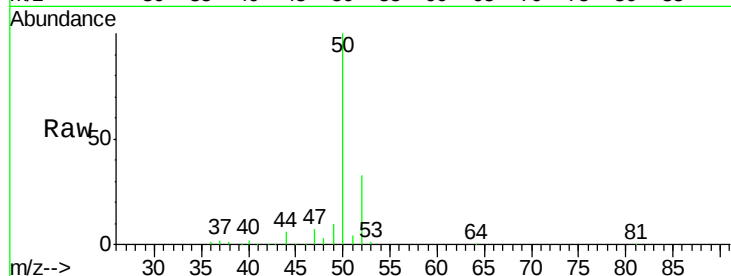
52 32.6 26.3 39.5

Manual Integrations

APPROVED

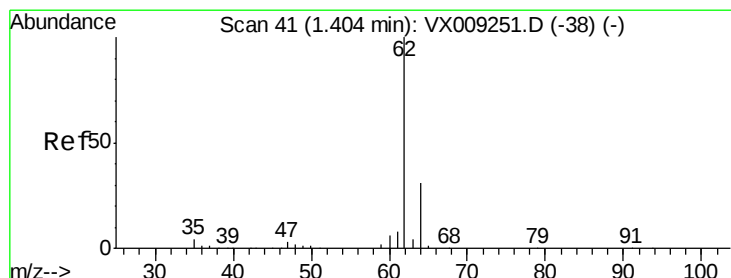
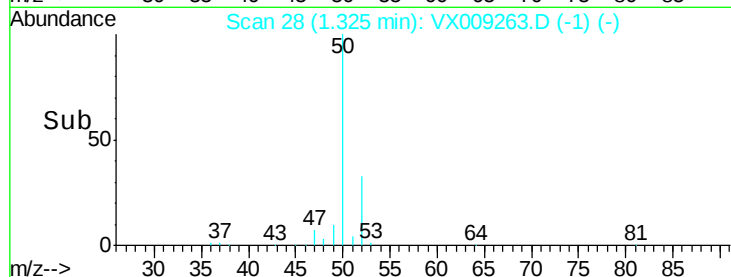
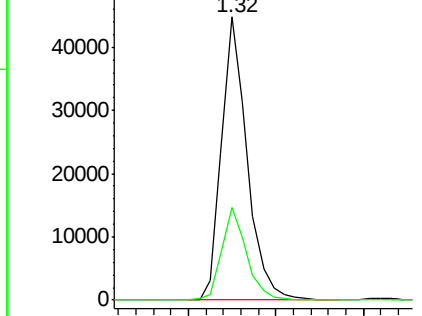
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009263.D

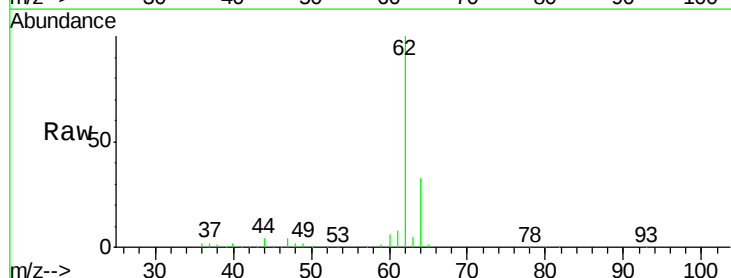
Acq: 01 May 2019 18:47

Tgt Ion: 62 Resp: 43677

Ion Ratio Lower Upper

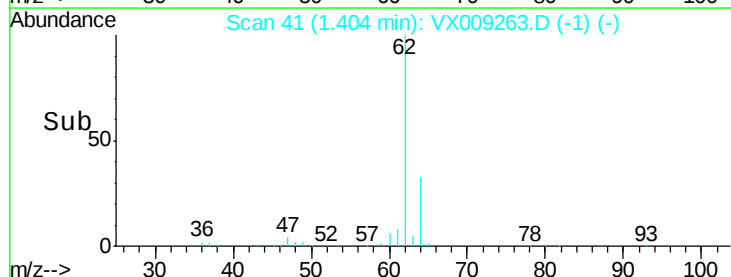
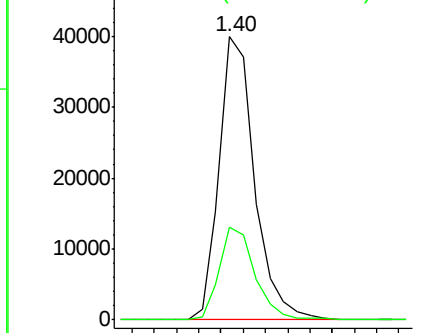
62 100

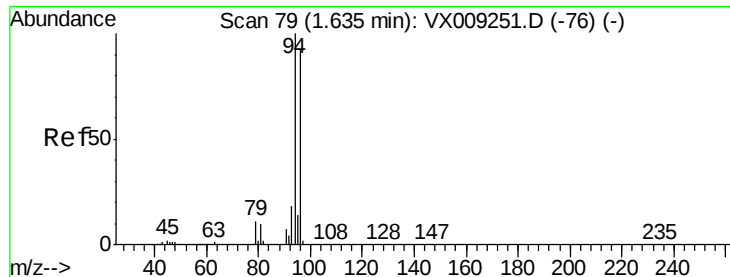
64 32.5 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.448 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 27409

Ion Ratio Lower Upper

94 100

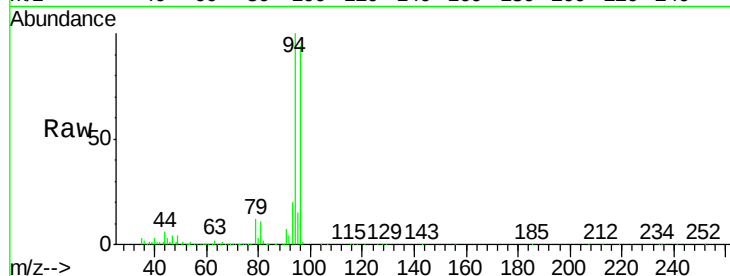
96 94.5 73.5 110.3

Manual Integrations

APPROVED

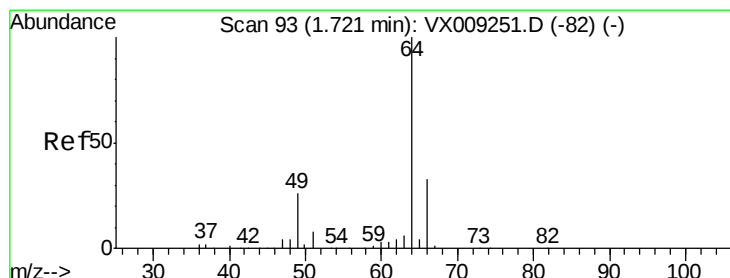
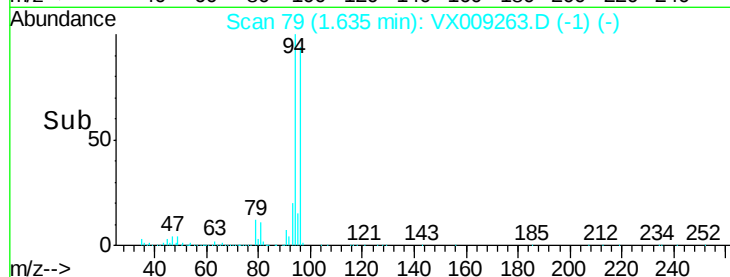
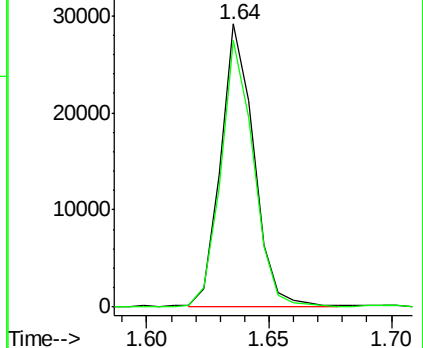
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.745 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009263.D

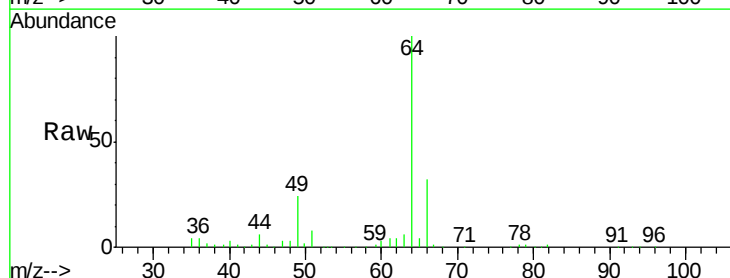
Acq: 01 May 2019 18:47

Tgt Ion: 64 Resp: 28791

Ion Ratio Lower Upper

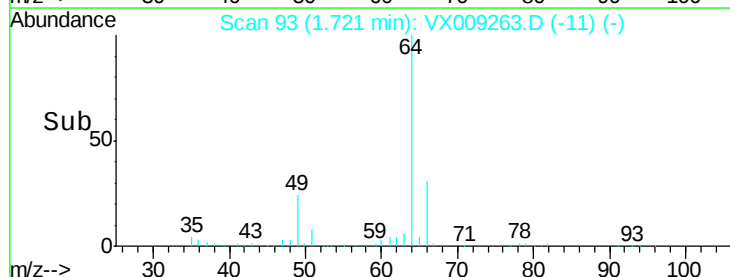
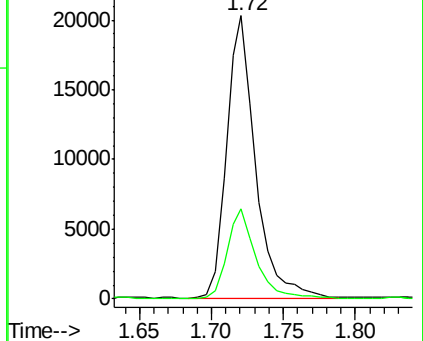
64 100

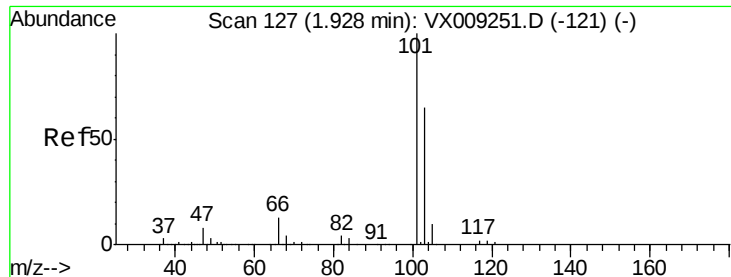
66 31.8 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

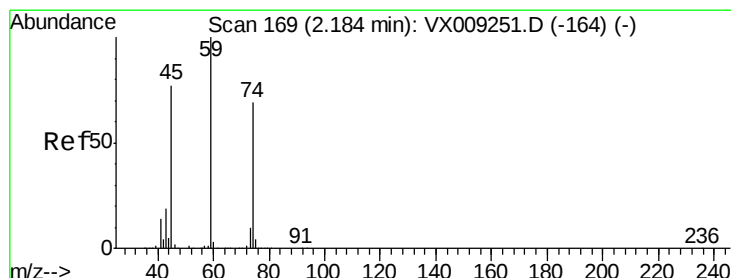
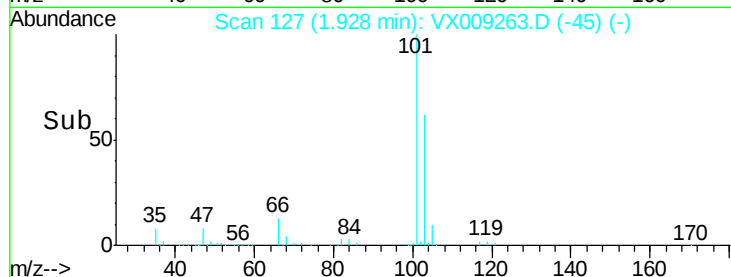
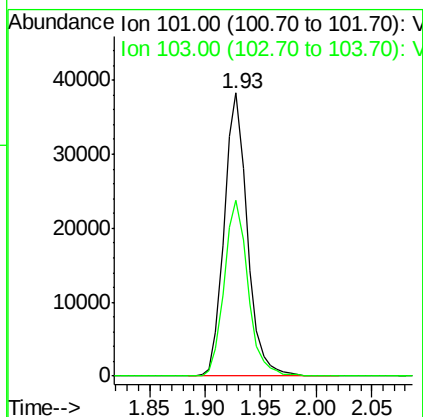
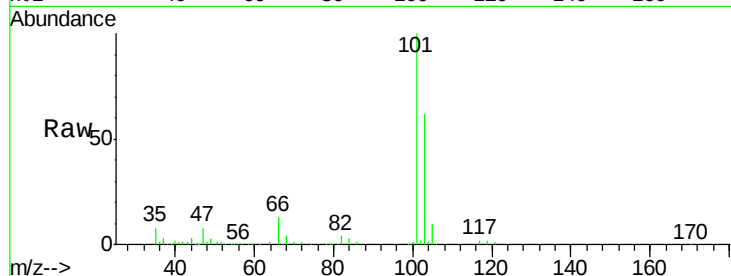
Trichlorofluoromethane  
Concen: 20.110 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.3  | 51.9  | 77.9  |

Manual Integrations  
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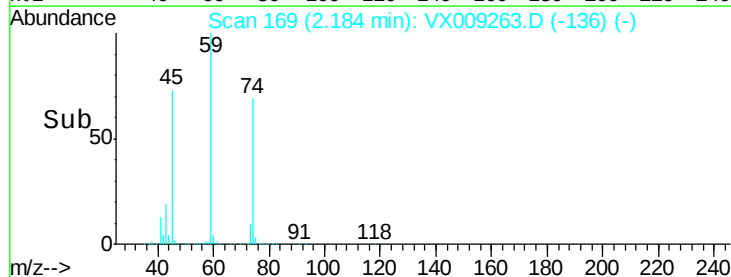
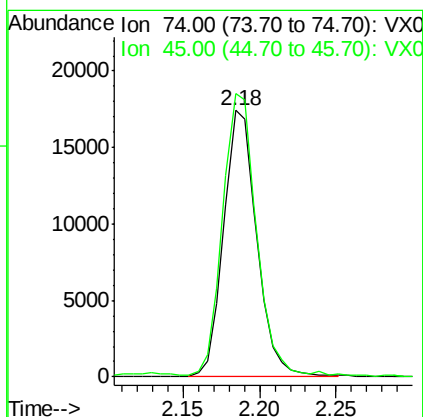
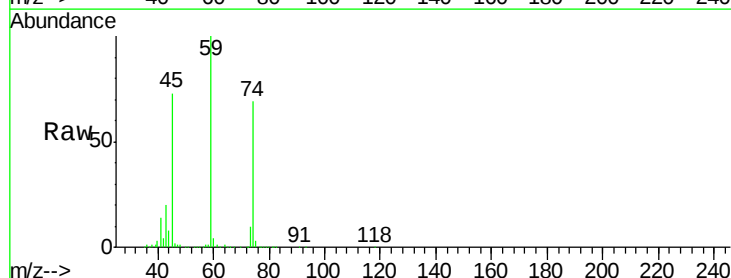
MMDadoda  
5/2/2019 10:53:57 AM

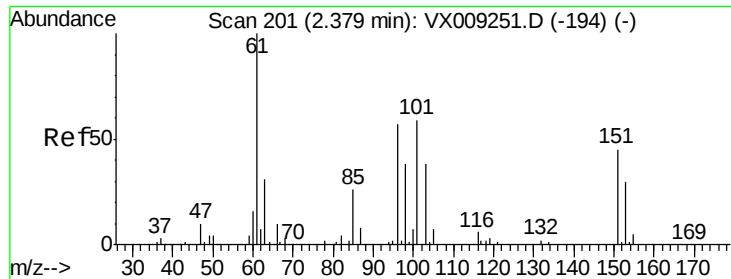


#8

Diethyl Ether  
Concen: 20.581 ug/l  
RT: 2.18 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 106.5 | 21.5  | 193.9 |





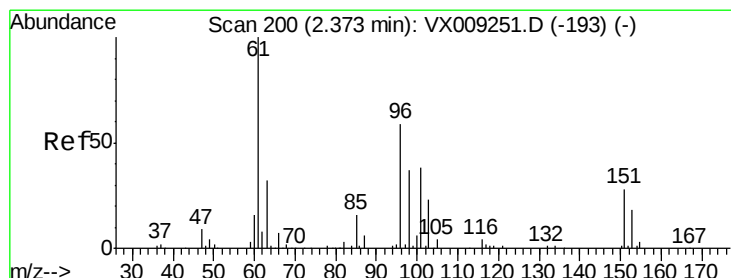
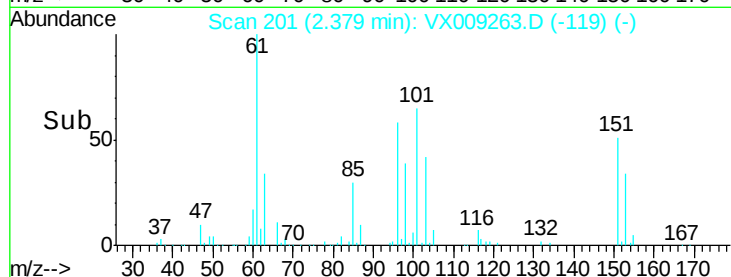
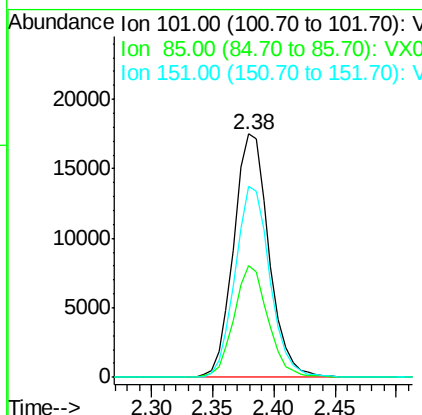
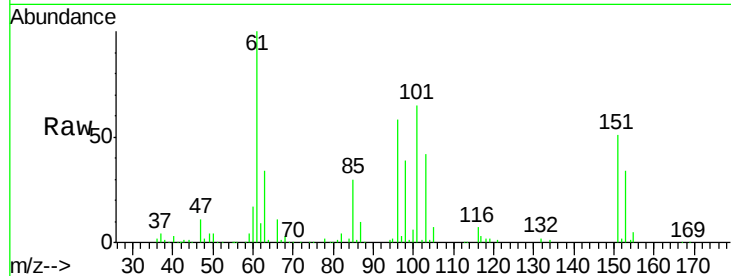
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.608 ug/l  
 RT: 2.38 min Scan# 201  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 35029 |       |       |
| 85      | 44.2  | 0.0   | 87.4  |       |
| 151     | 77.4  | 0.0   | 157.0 |       |

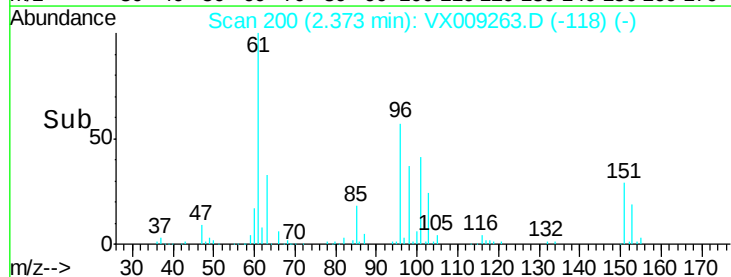
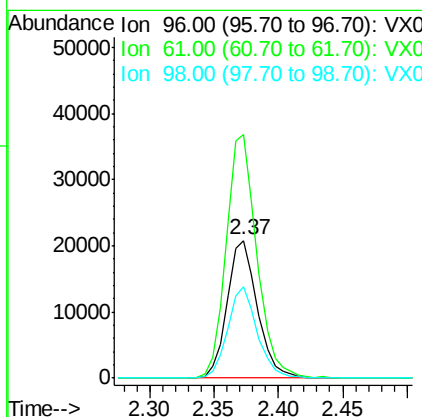
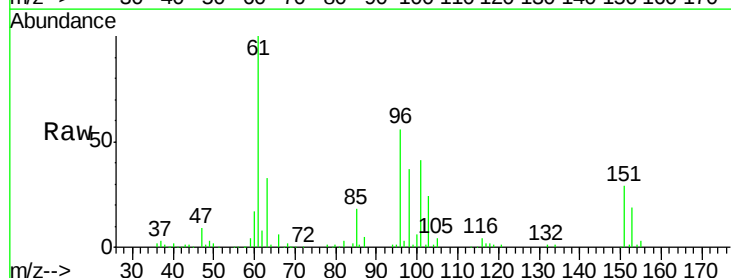
Manual Integrations  
 APPROVED

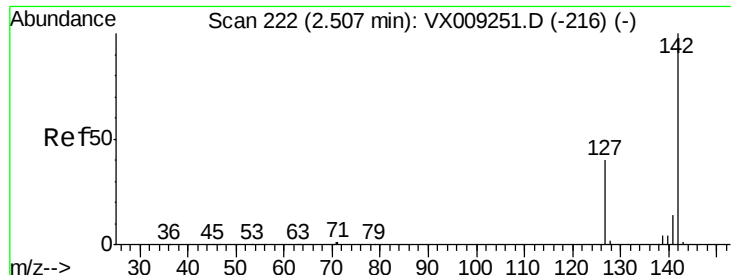
MMDadoda  
 5/2/2019 10:53:57 AM



#10  
 1,1-Dichloroethene  
 Concen: 20.054 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 34227 |       |       |
| 61      | 177.3 | 136.5 | 204.7 |       |
| 98      | 66.3  | 51.0  | 76.4  |       |





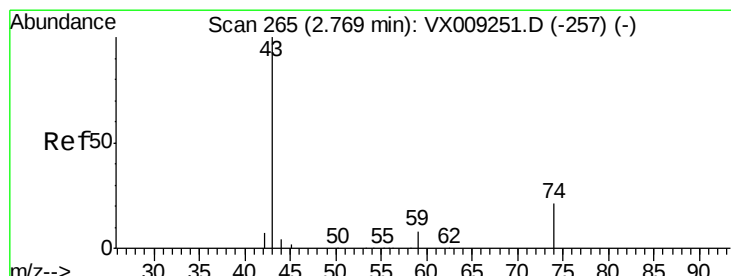
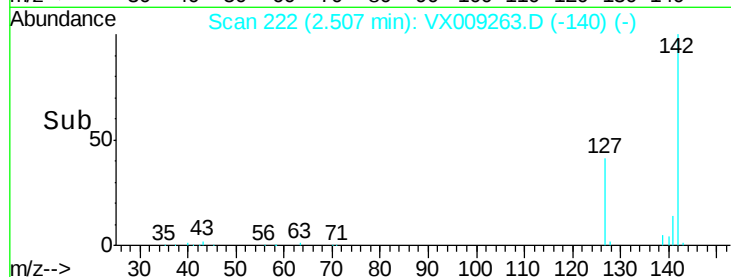
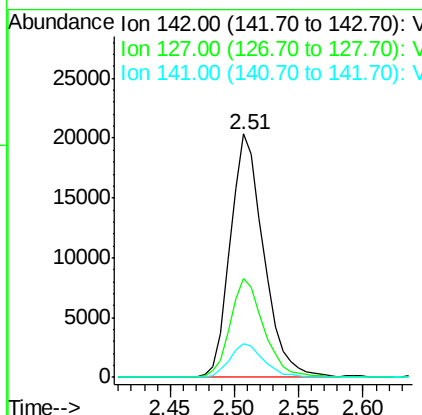
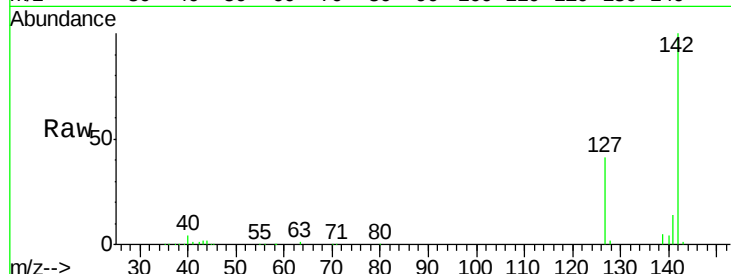
#11  
Methyl Iodide  
Concen: 19.847 ug/l  
RT: 2.51 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 40.7  | 20.2  | 60.5  |
| 141     | 13.8  | 6.9   | 20.7  |

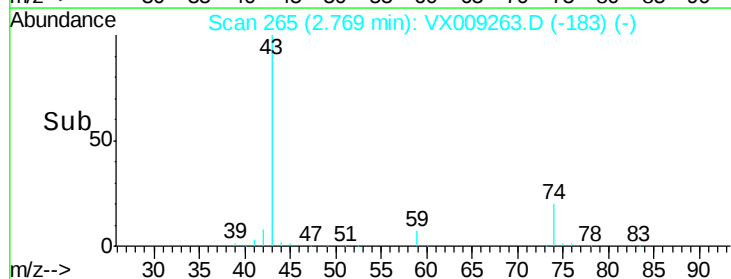
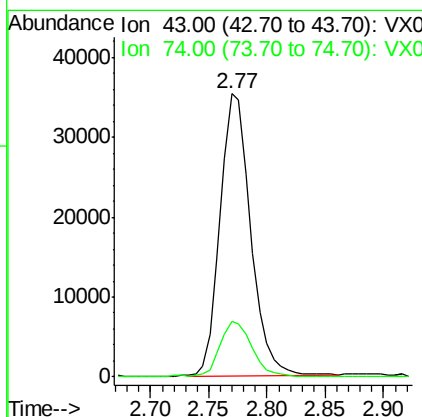
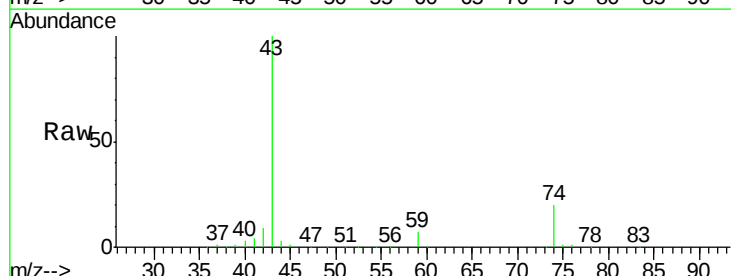
Manual Integrations  
APPROVED

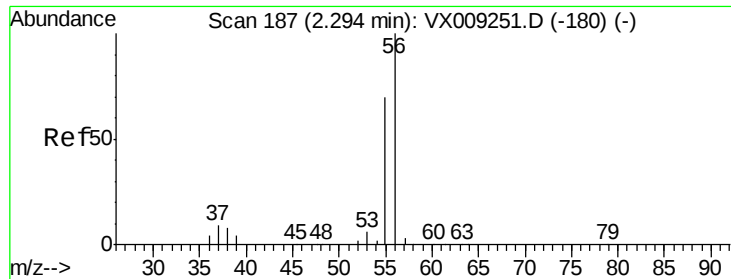
MMDadoda  
5/2/2019 10:53:57 AM



#12  
Methyl Acetate  
Concen: 20.042 ug/l  
RT: 2.77 min Scan# 265  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.7  | 16.5  | 24.7  |





#13

Acrolein

Concen: 82.611 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 36425

Ion Ratio Lower Upper

56 100

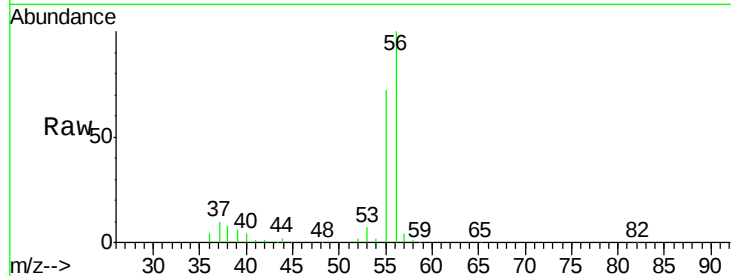
55 71.5 56.9 85.3

Manual Integrations

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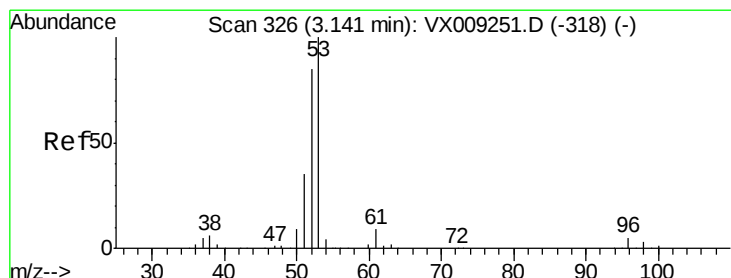
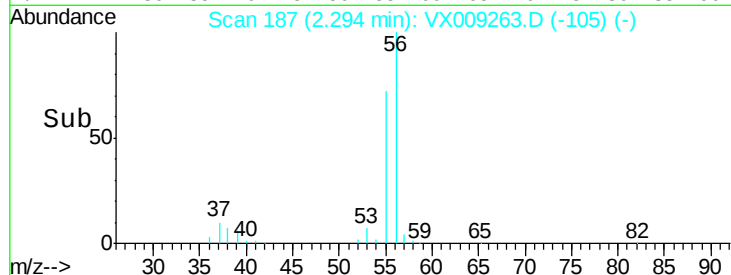
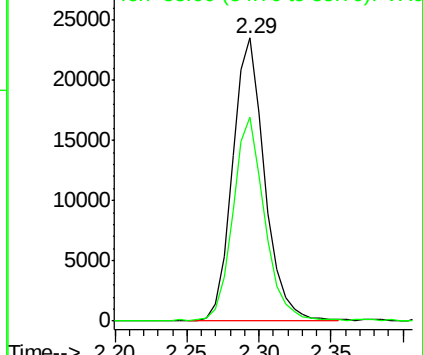
MMDadoda

5/2/2019 10:53:57 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 102.134 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

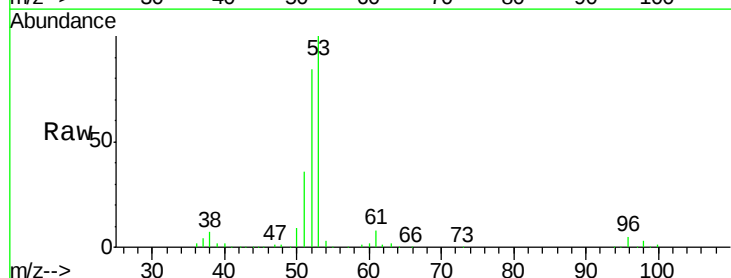
Tgt Ion: 53 Resp: 142492

Ion Ratio Lower Upper

53 100

52 83.7 41.5 124.5

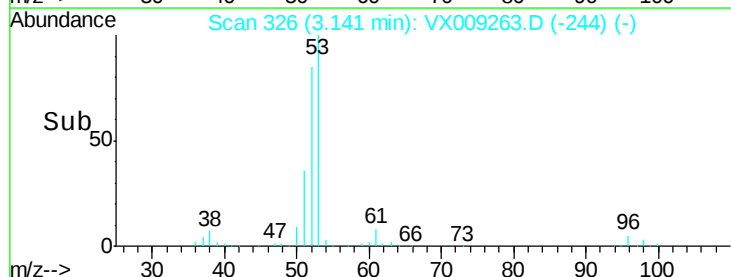
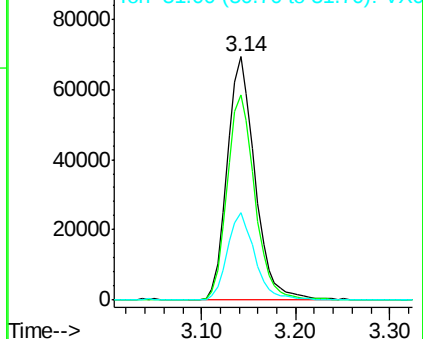
51 36.0 17.8 53.3

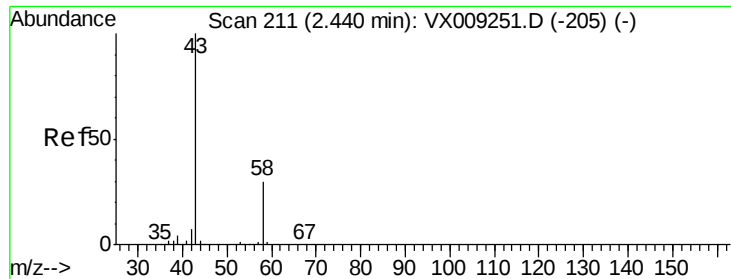


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 98.062 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 39280

Ion Ratio Lower Upper

58 100

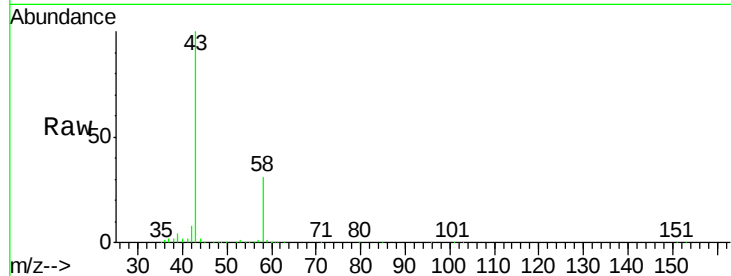
43 321.6 264.0 396.0

Manual Integrations

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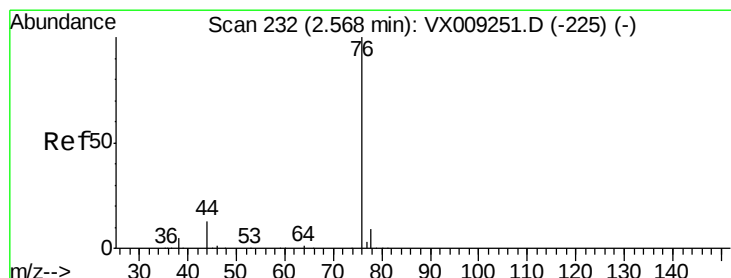
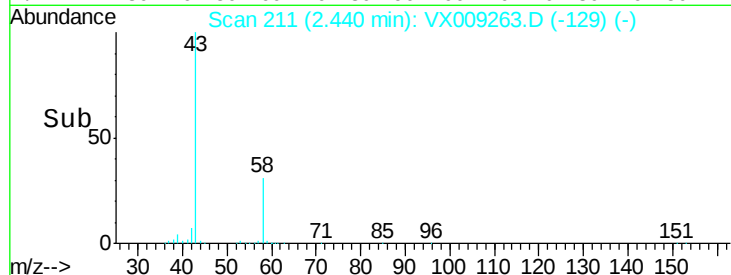
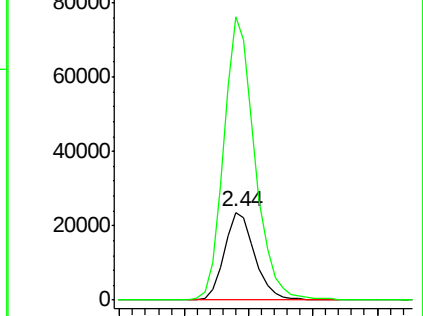
MMDadoda

5/2/2019 10:53:57 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.676 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009263.D

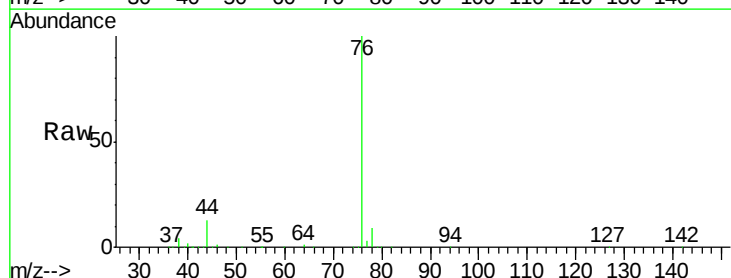
Acq: 01 May 2019 18:47

Tgt Ion: 76 Resp: 90860

Ion Ratio Lower Upper

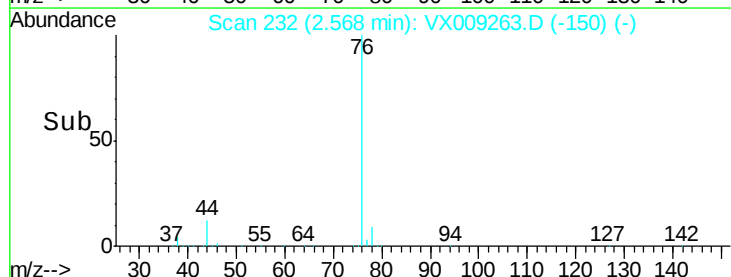
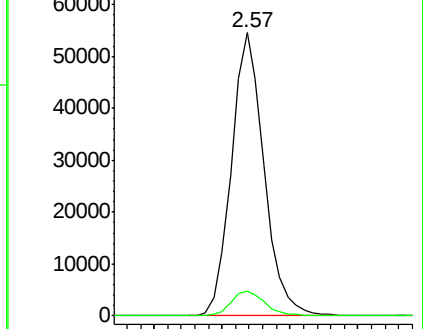
76 100

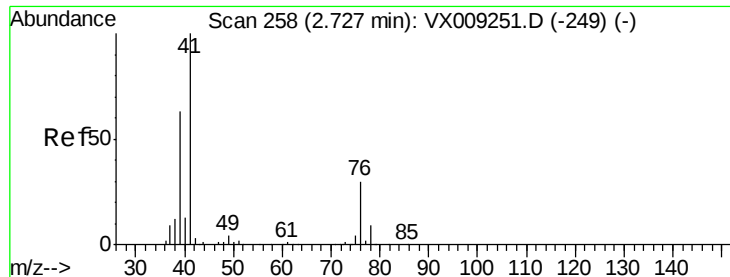
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 20.143 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

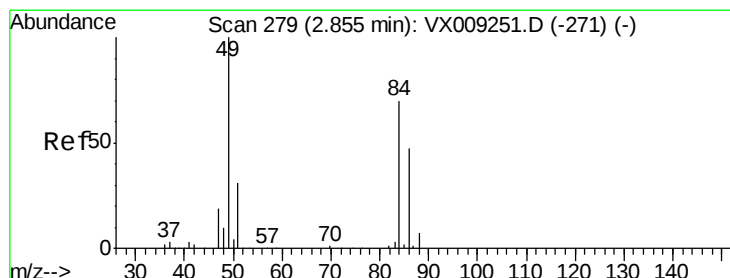
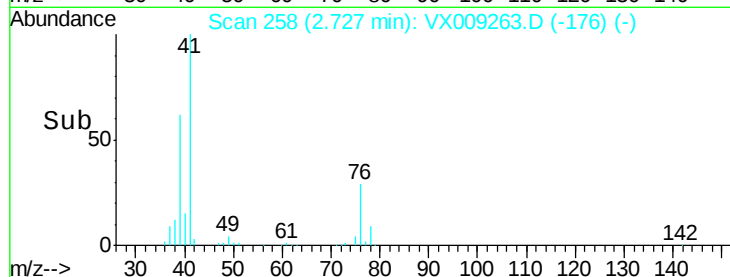
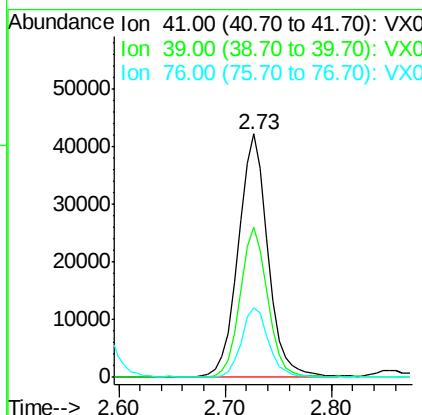
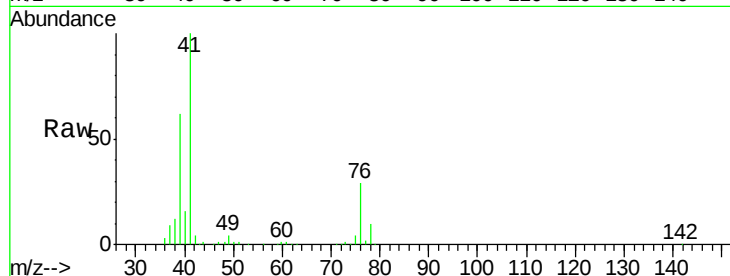
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 82536 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 61.9  | 31.6  | 94.7  |
| 76       | 28.6  | 15.1  | 45.3  |

Manual Integrations  
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5/2/2019 10:53:57 AM



#18

Methylene Chloride

Concen: 20.361 ug/l

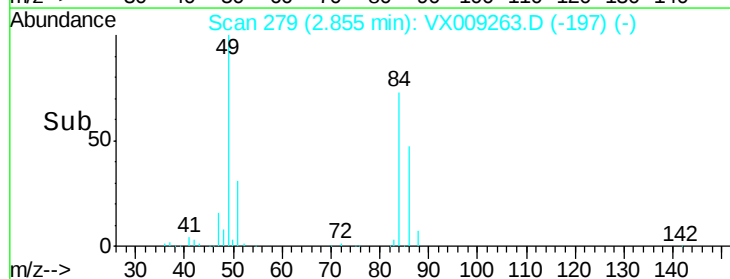
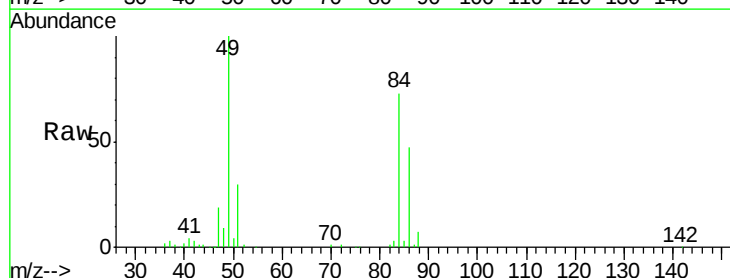
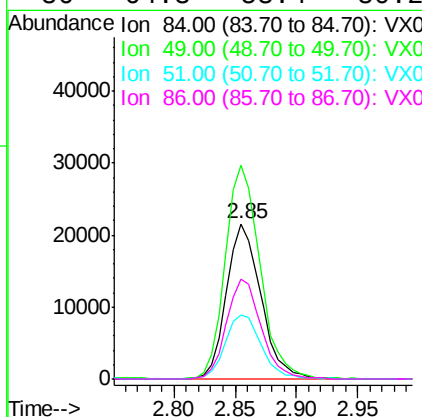
RT: 2.85 min Scan# 279

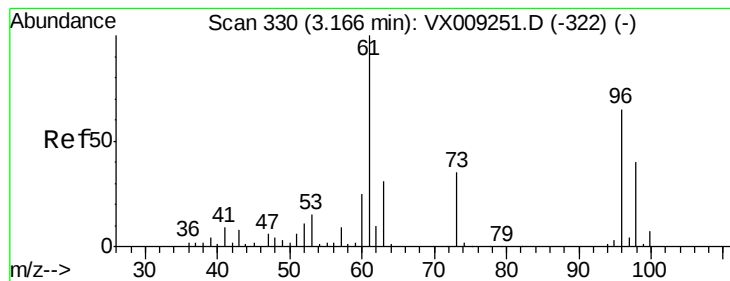
Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 41998 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 137.1 | 114.6 | 171.8 |
| 51       | 41.6  | 35.5  | 53.3  |
| 86       | 64.3  | 53.4  | 80.2  |





#19

trans-1,2-Dichloroethene

Concen: 20.282 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 36909

Ion Ratio Lower Upper

96 100

61 154.2 122.7 184.1

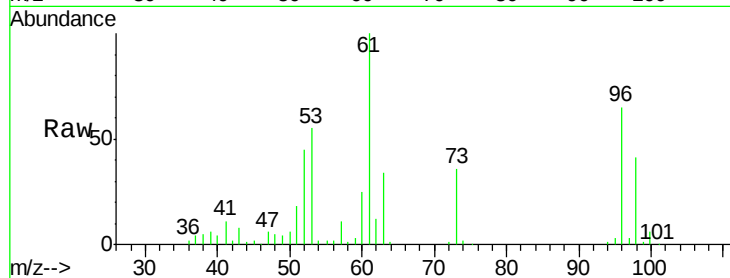
98 63.2 49.5 74.3

Manual Integrations

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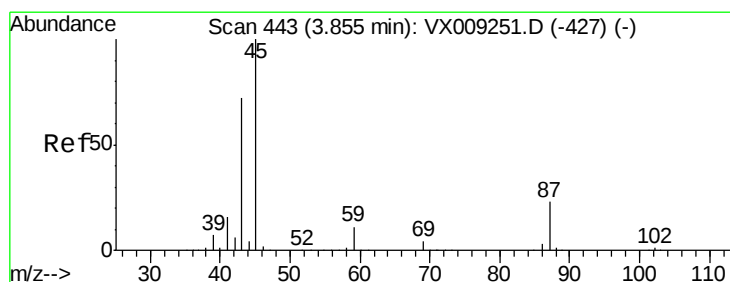
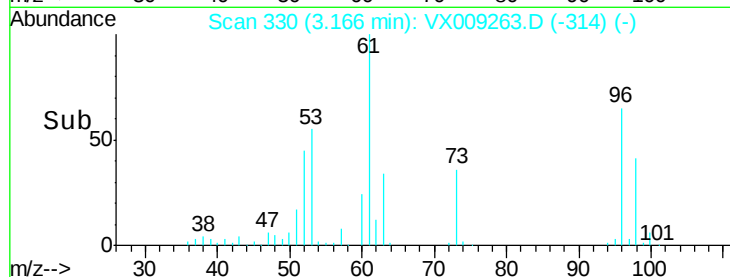
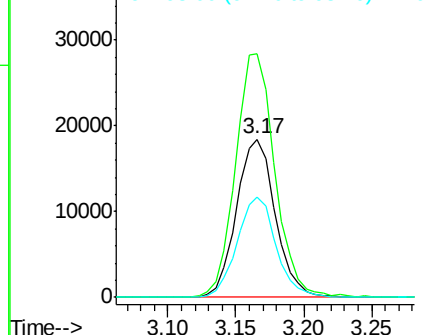
5/2/2019 10:53:57 AM



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 20.264 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Tgt Ion: 45 Resp: 163515

Ion Ratio Lower Upper

45 100

43 71.4 57.7 86.5

87 22.2 18.5 27.7

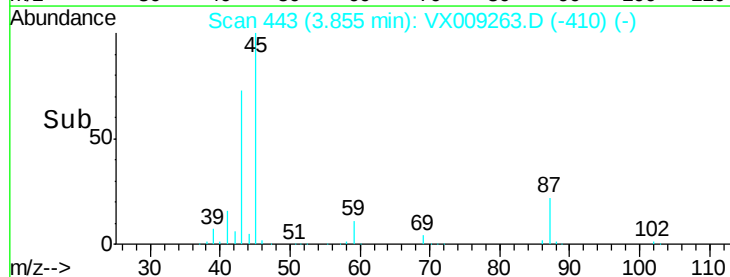
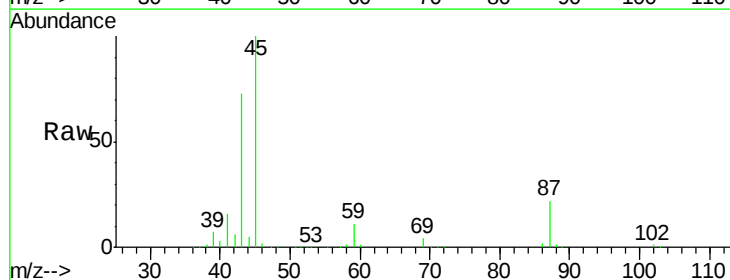
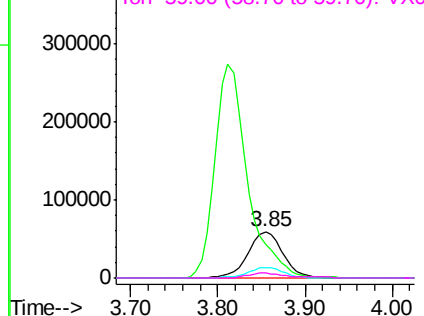
59 10.8 8.8 13.2

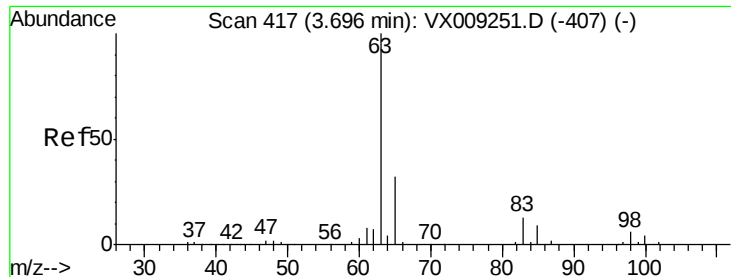
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.261 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

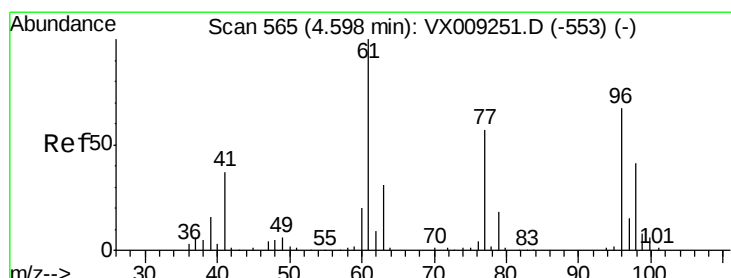
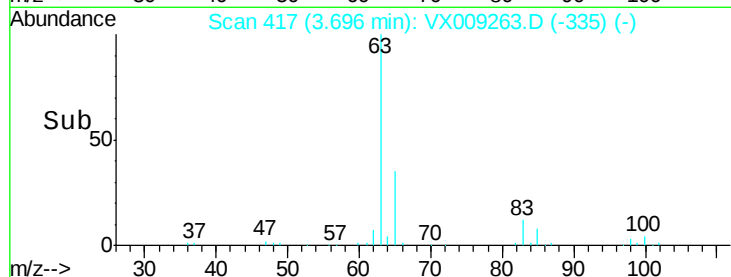
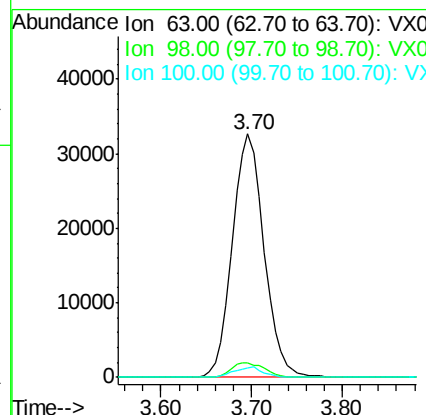
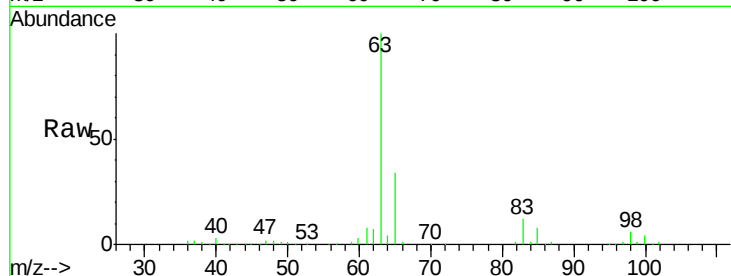
ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 63    | Resp: | 79120 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 6.1   | 3.1   | 9.3   |
| 100       | 4.1   | 2.2   | 6.6   |

Manual Integrations  
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MMDadoda  
5/2/2019 10:53:57 AM



#22

cis-1,2-Dichloroethene

Concen: 20.022 ug/l

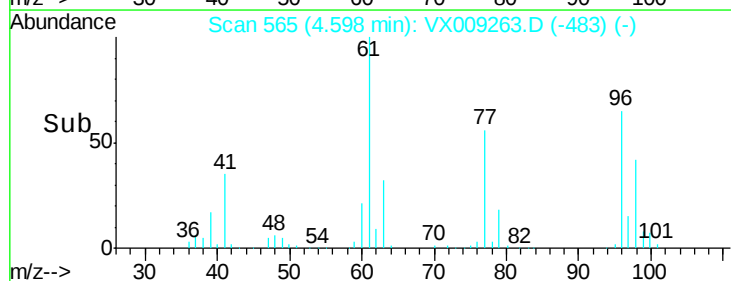
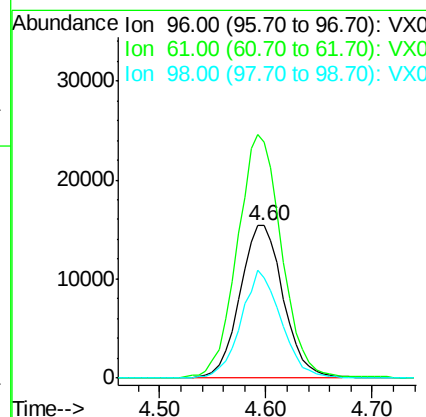
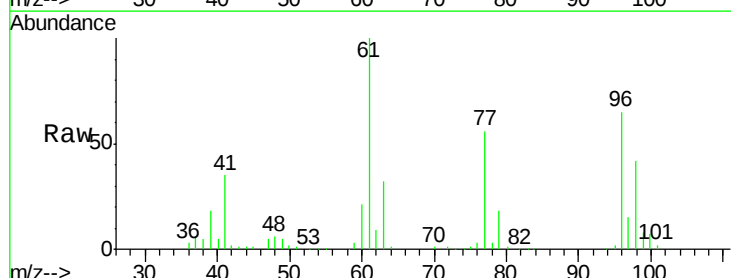
RT: 4.60 min Scan# 565

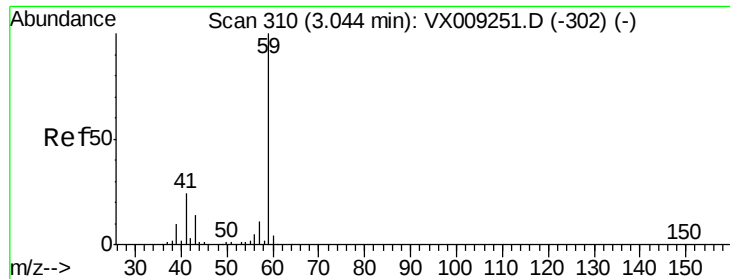
Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 43887 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 162.7 | 127.7 | 191.5 |
| 98        | 65.5  | 50.5  | 75.7  |





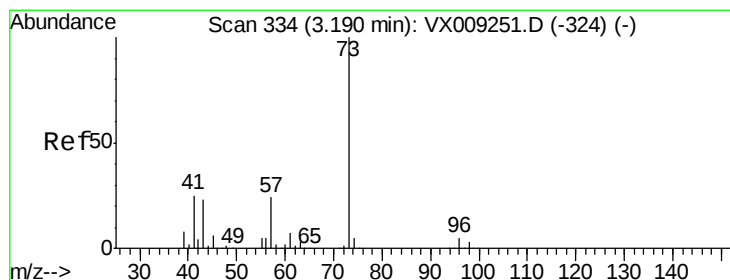
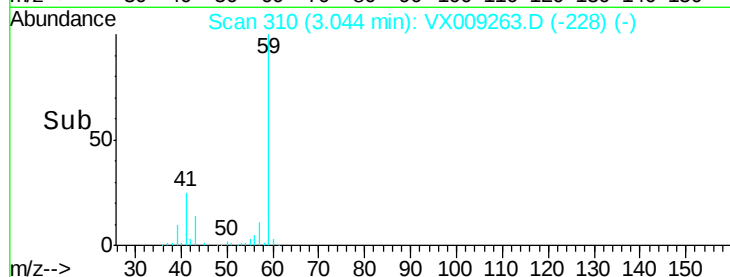
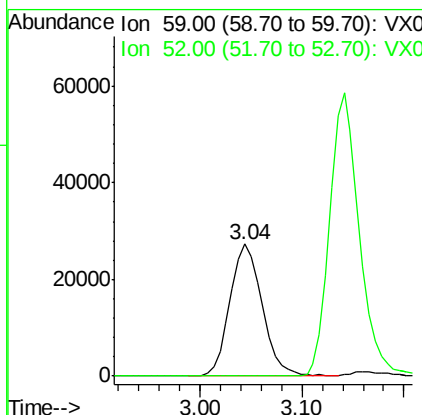
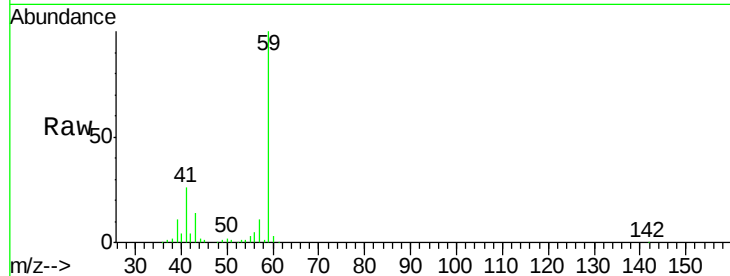
#23  
tert-Butyl Alcohol  
Concen: 101.224 ug/l  
RT: 3.04 min Scan# 310  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 52      | 0.2   | 0.2   | 0.2   |

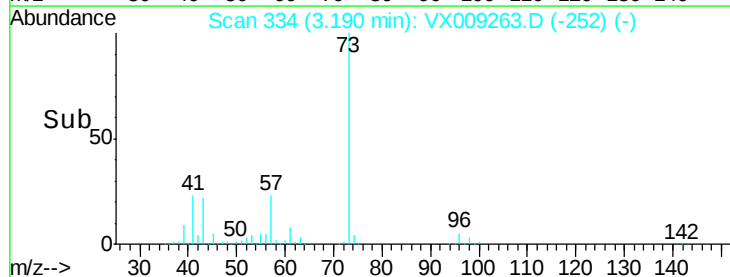
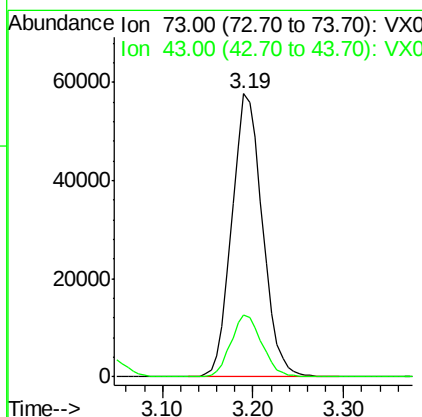
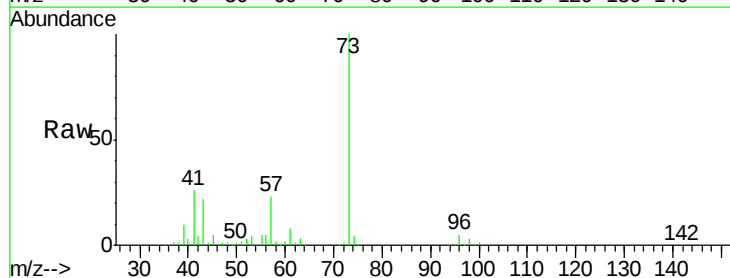
Manual Integrations  
APPROVED

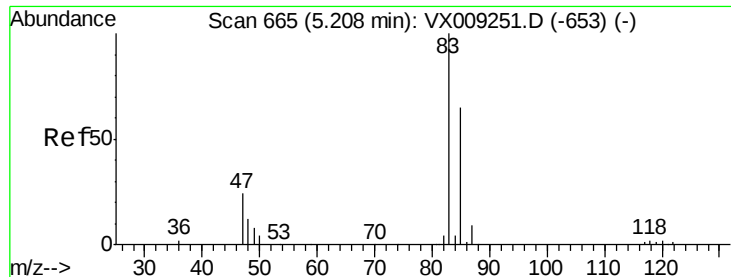
MMDadoda  
5/2/2019 10:53:57 AM



#24  
Methyl tert-Butyl Ether  
Concen: 20.255 ug/l  
RT: 3.19 min Scan# 334  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 22.2  | 17.6  | 26.4  |





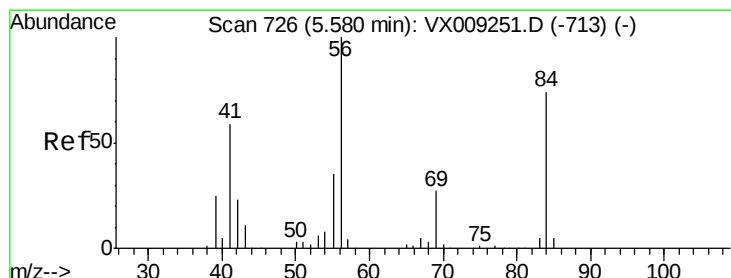
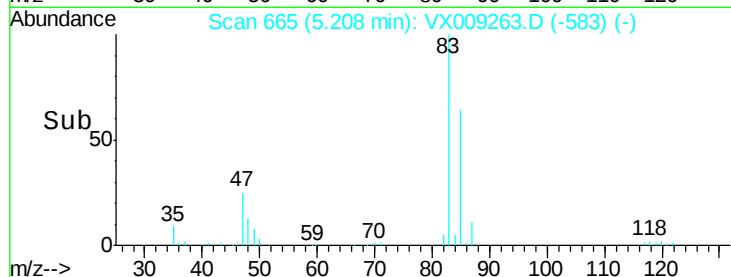
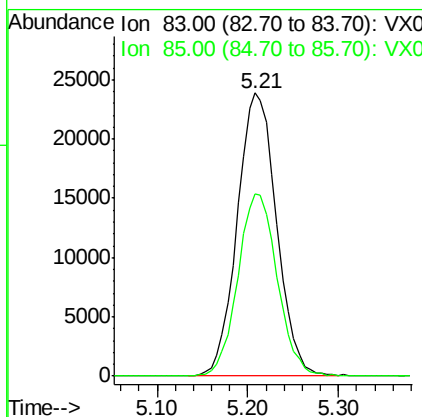
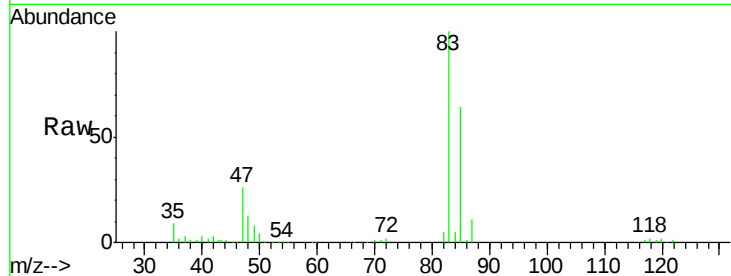
#25  
Chloroform  
Concen: 20.186 ug/l  
RT: 5.21 min Scan# 665  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion   | 83   | Resp  | 71933 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 64.3 | 51.9  | 77.9  |

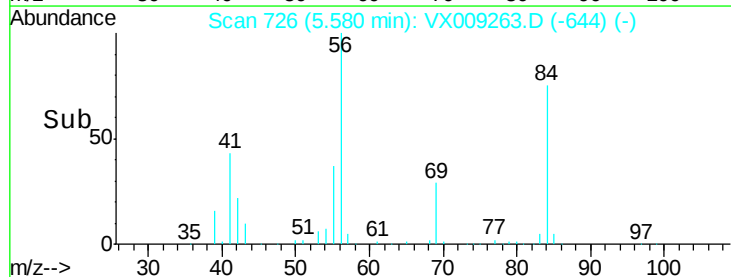
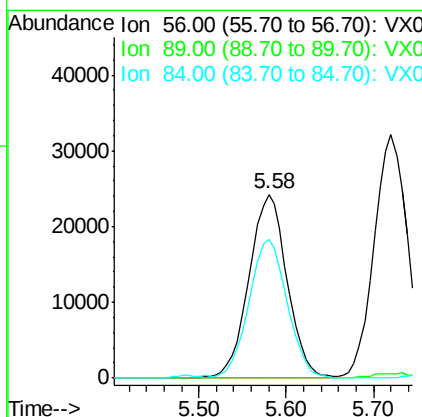
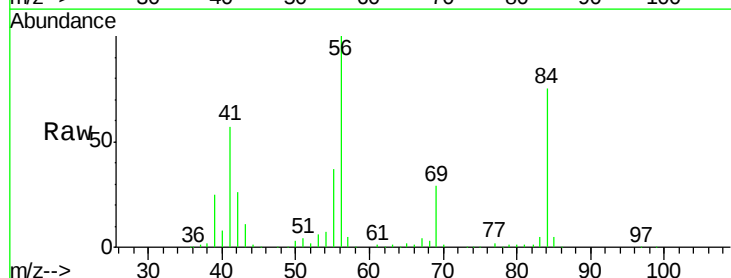
Manual Integrations  
APPROVED

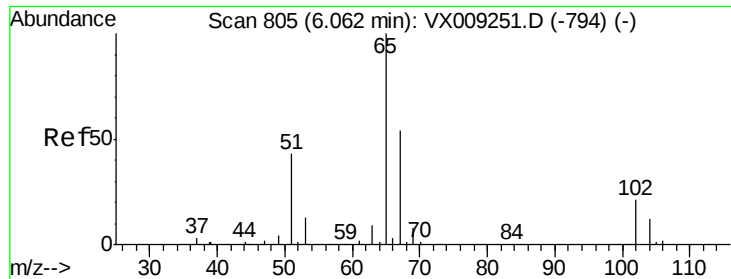
MMDadoda  
5/2/2019 10:53:57 AM



#26  
Cyclohexane  
Concen: 20.164 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion   | 56   | Resp  | 73385 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 89        | 0.0  | 0.0   | 0.0   |
| 84        | 75.0 | 59.7  | 89.5  |





#27

1,2-Dichloroethane-d4

Concen: 28.983 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Tot Ion: 65 Resp: 75022

Ion Ratio Lower Upper

65 100

67 53.2 43.1 64.7

Instrument :

MSVOA\_X

ClientSampleId :

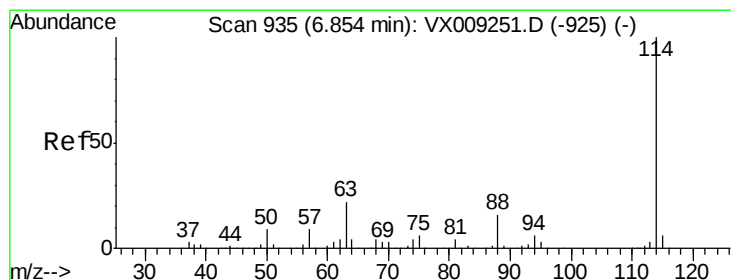
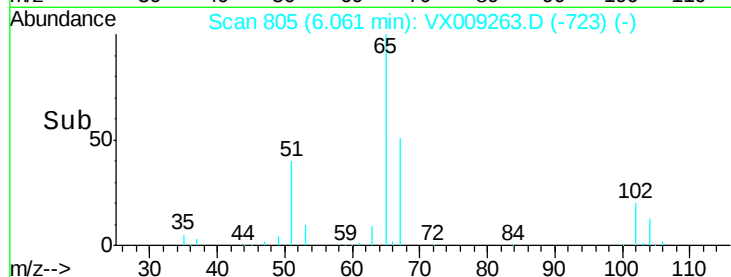
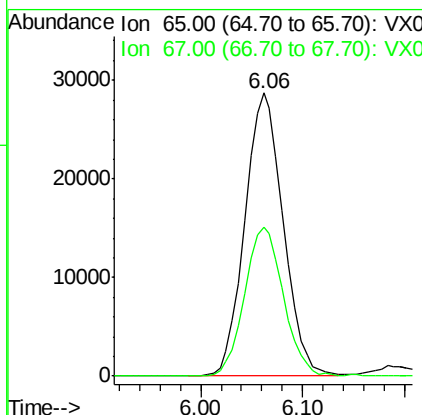
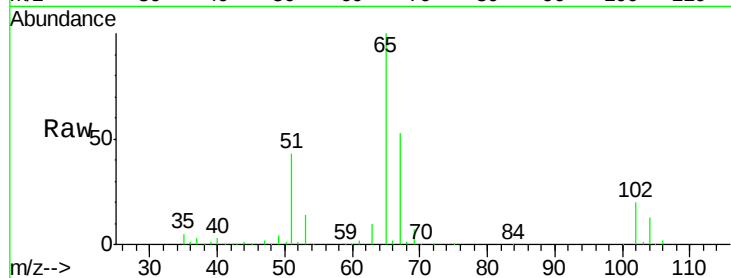
VSTDCCC020EC

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

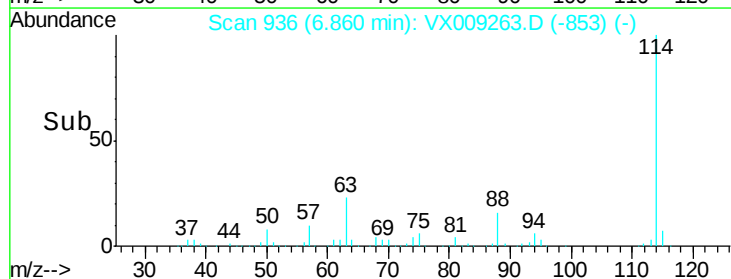
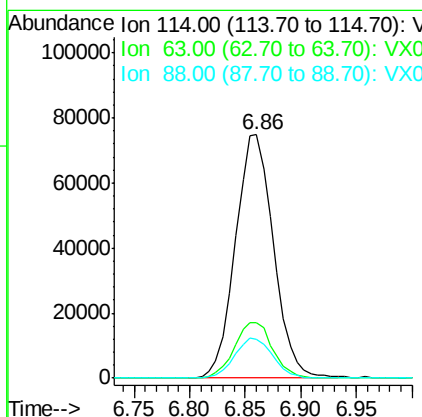
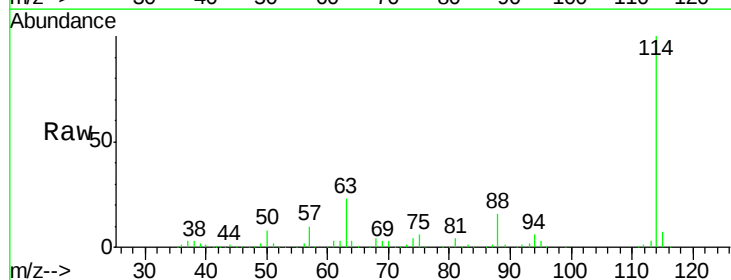
Tgt Ion: 114 Resp: 178003

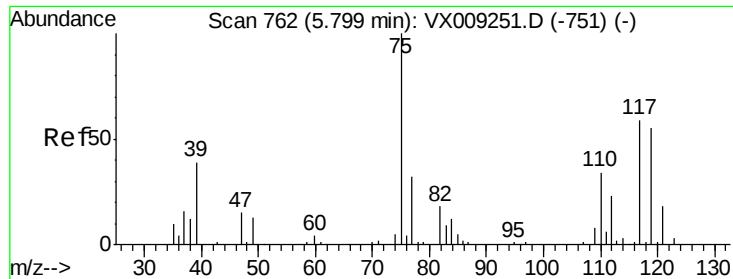
Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

88 16.4 13.4 20.0





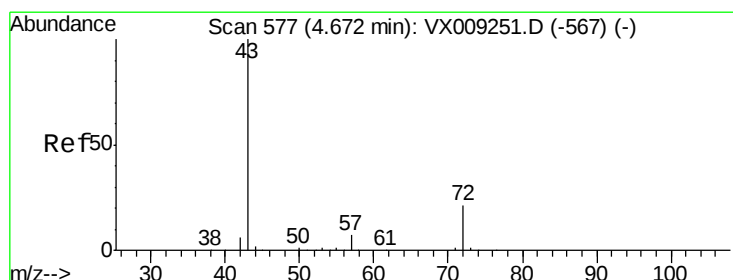
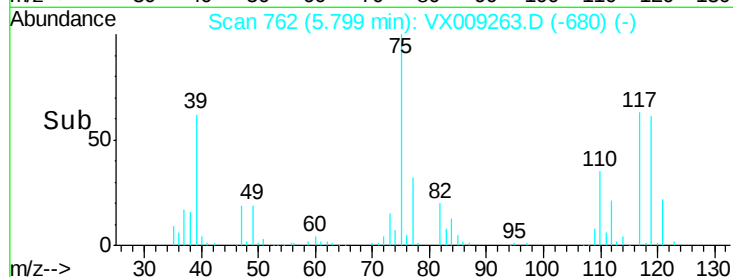
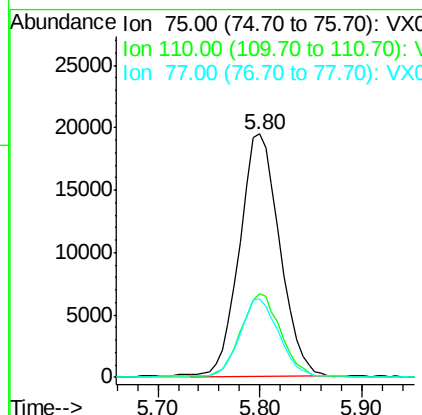
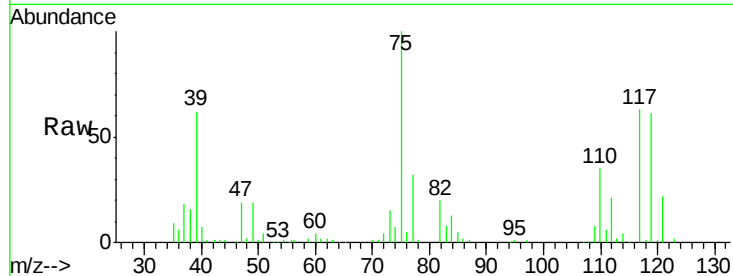
#29  
 1,1-Dichloropropene  
 Concen: 20.351 ug/l  
 RT: 5.80 min Scan# 762  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 53154 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 34.5  | 0.0   | 66.4  |
| 77        | 32.1  | 0.0   | 62.2  |

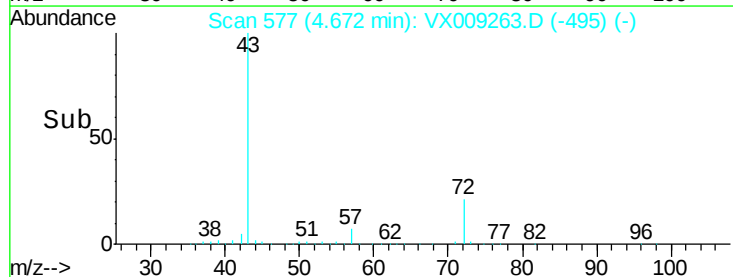
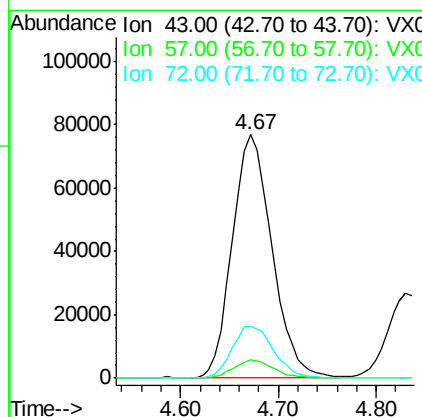
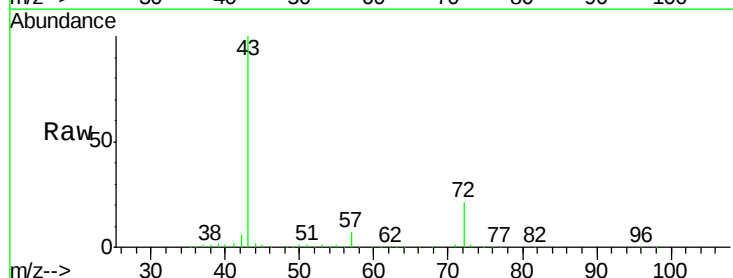
Manual Integrations  
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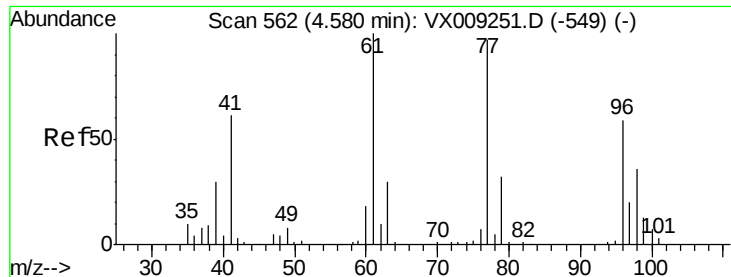
MMDadoda  
 5/2/2019 10:53:57 AM



#30  
 2-Butanone  
 Concen: 105.169 ug/l  
 RT: 4.67 min Scan# 577  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 215123 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 57        | 7.6   | 6.0   | 9.0    |
| 72        | 22.2  | 18.2  | 27.4   |





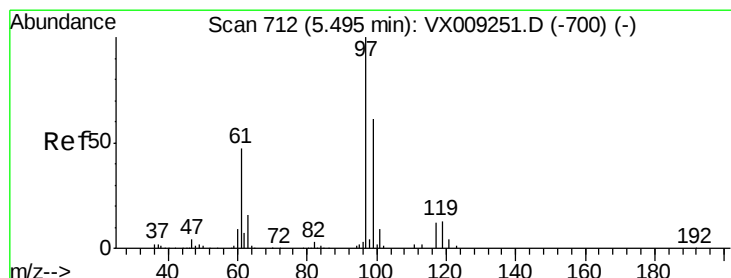
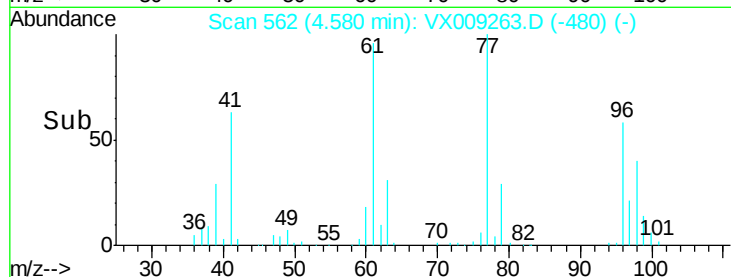
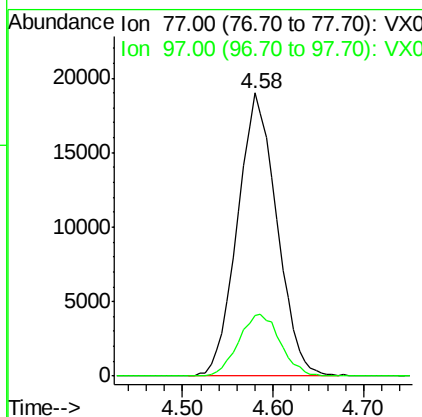
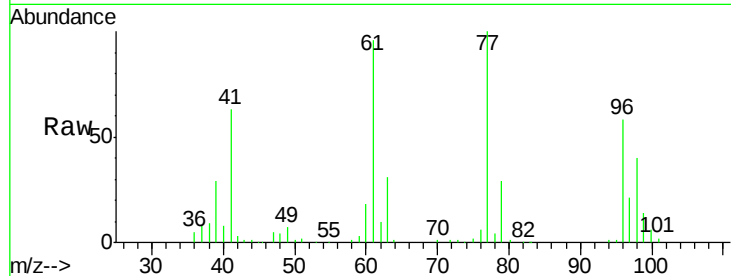
#31  
 2,2-Dichloropropane  
 Concen: 19.937 ug/l  
 RT: 4.58 min Scan# 562  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion: 77 Resp: 57407  
 Ion Ratio Lower Upper  
 77 100  
 97 23.0 18.3 27.5

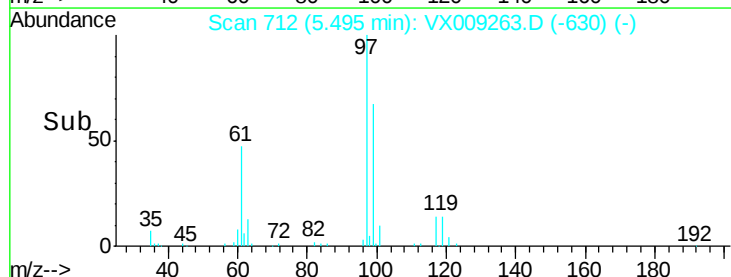
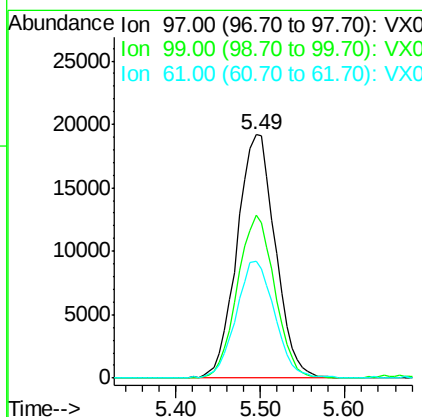
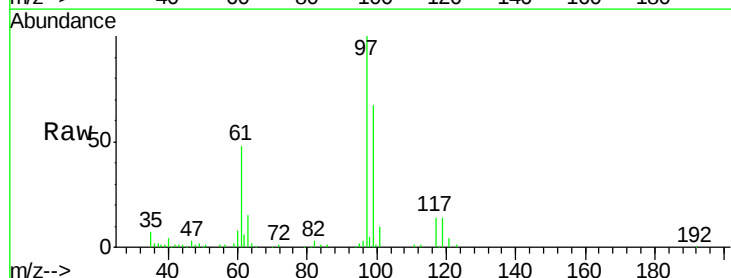
Manual Integrations  
 APPROVED

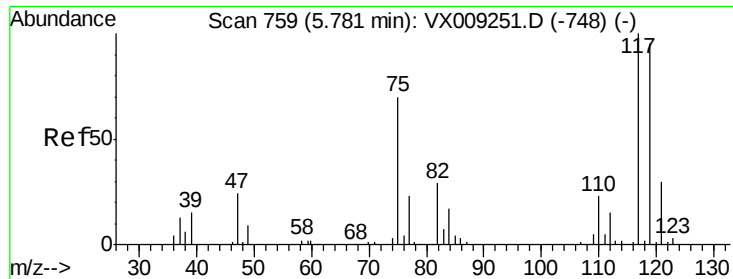
MMDadoda  
 5/2/2019 10:53:57 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 20.903 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Tgt Ion: 97 Resp: 59185  
 Ion Ratio Lower Upper  
 97 100  
 99 65.2 53.9 80.9  
 61 48.2 38.6 58.0





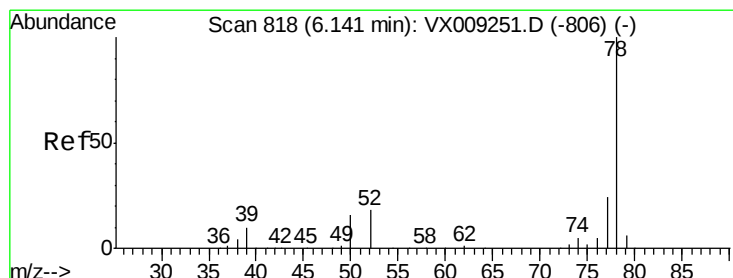
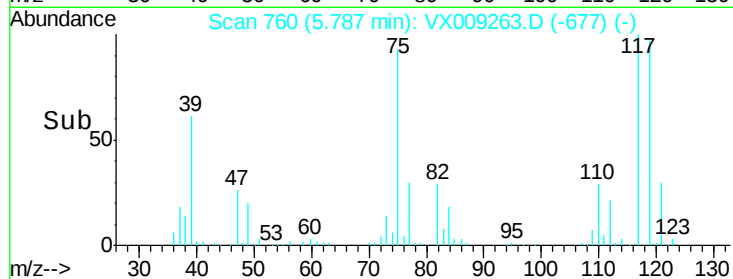
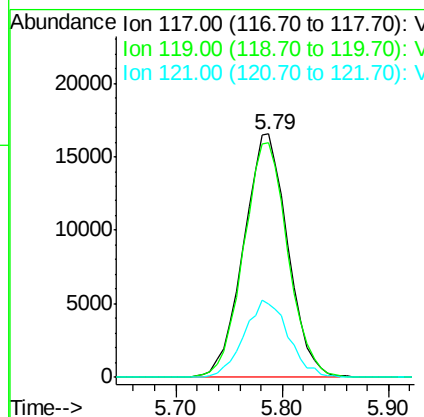
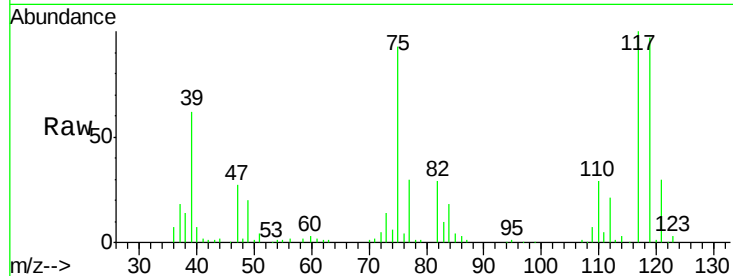
#33  
Carbon Tetrachloride  
Concen: 20.311 ug/l  
RT: 5.79 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.6  | 76.1  | 114.1 |
| 121     | 30.4  | 24.4  | 36.6  |

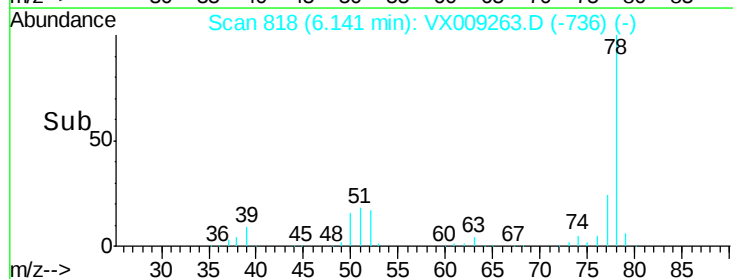
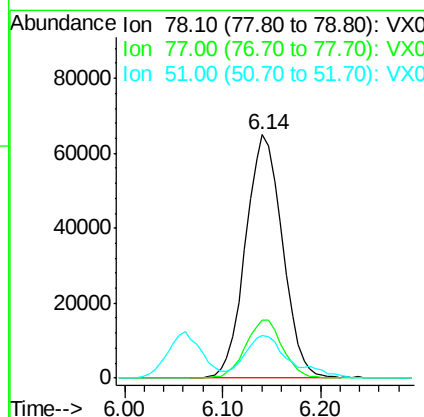
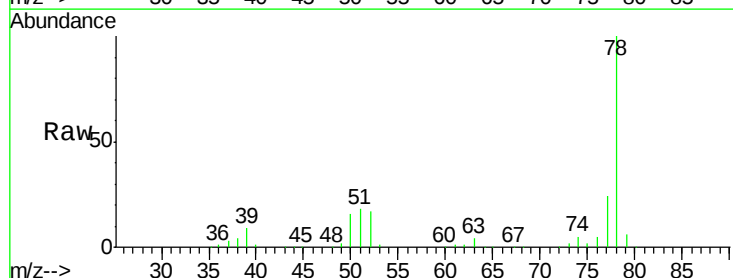
Manual Integrations  
APPROVED

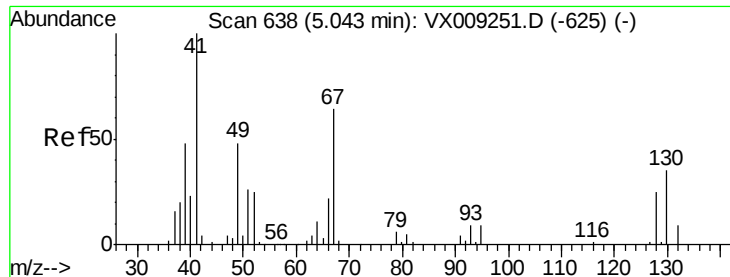
MMDadoda  
5/2/2019 10:53:57 AM



#34  
Benzene  
Concen: 21.129 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 18.8  | 28.2  |
| 51      | 16.5  | 13.5  | 20.3  |





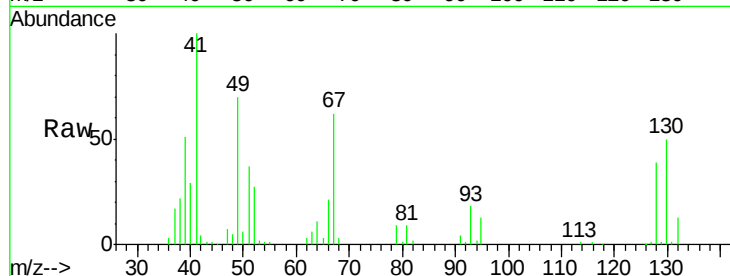
#35  
Methacrylonitrile  
Concen: 20.909 ug/l  
RT: 5.04 min Scan# 637  
Delta R.T. -0.01 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

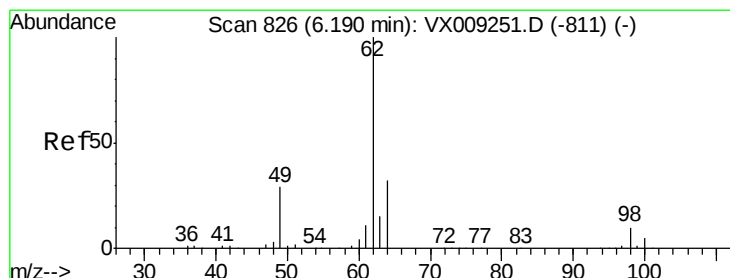
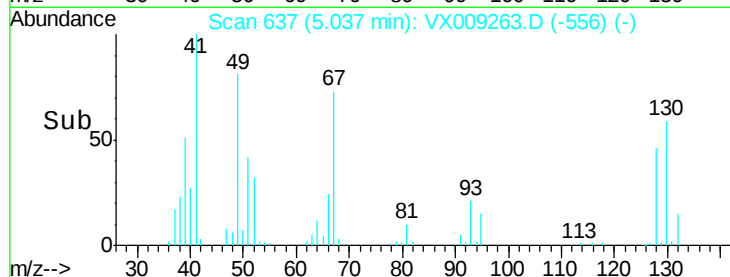
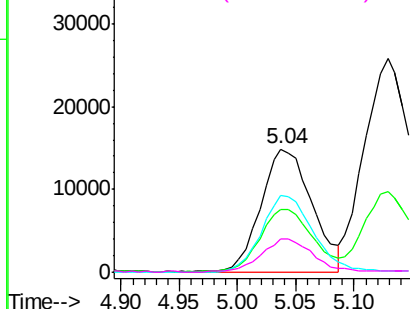
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 50.7 | 24.1  | 72.3  |       |
| 67      | 62.4 | 32.2  | 96.6  |       |
| 52      | 26.8 | 12.4  | 37.4  |       |

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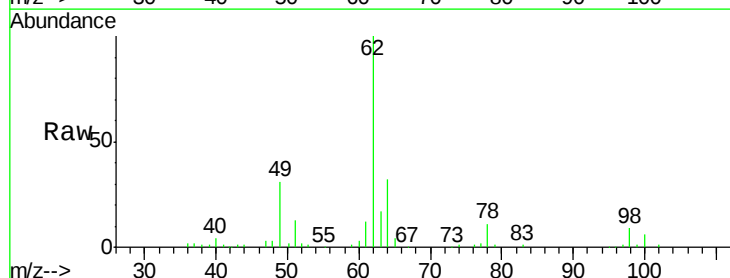


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

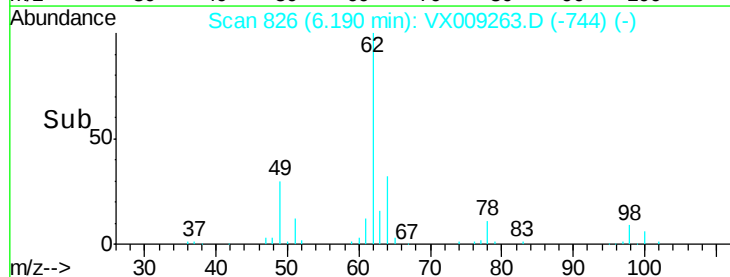
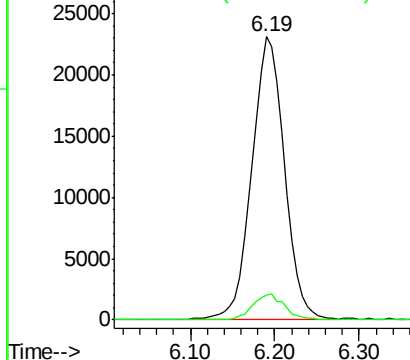


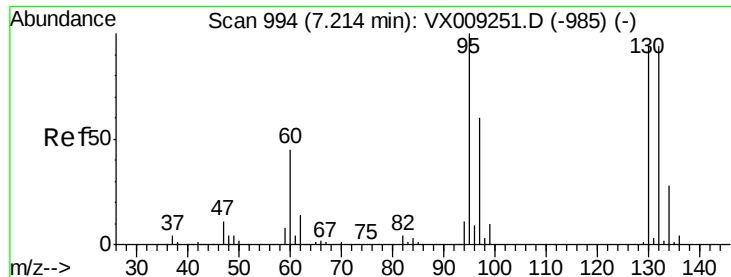
#36  
1,2-Dichloroethane  
Concen: 21.000 ug/l  
RT: 6.19 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.9 | 7.4   | 11.2  |       |



Abundance Ion 62.00 (61.70 to 62.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 20.501 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 39739

Ion Ratio Lower Upper

130 100

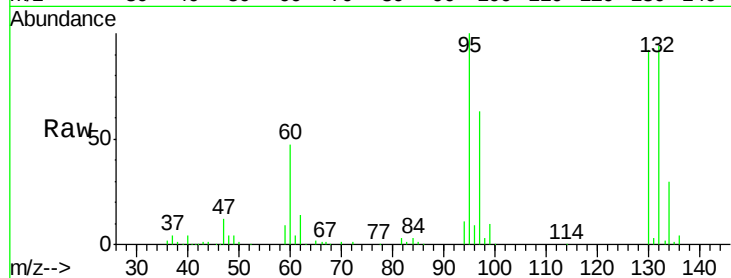
95 108.5 85.0 127.4

Manual Integrations

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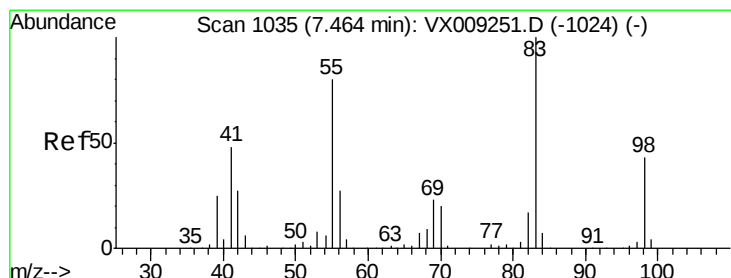
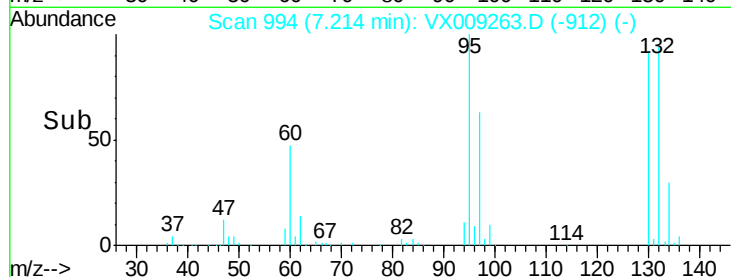
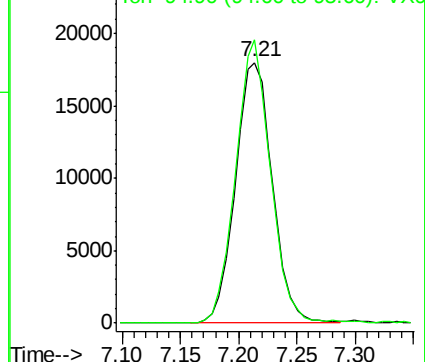
MMDadoda

5/2/2019 10:53:57 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 20.490 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

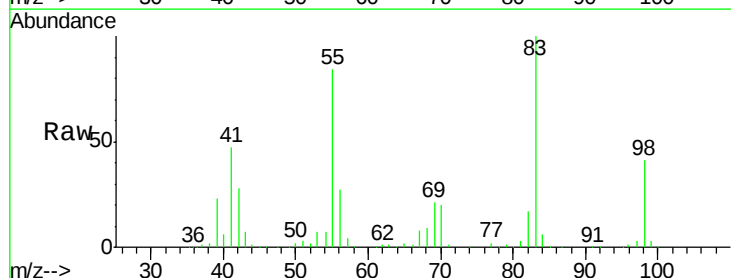
Tgt Ion: 83 Resp: 66119

Ion Ratio Lower Upper

83 100

55 85.7 43.0 129.2

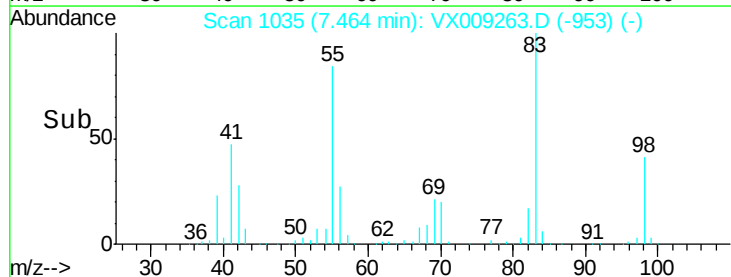
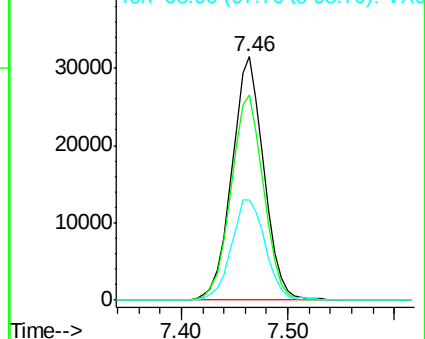
98 44.0 22.1 66.1

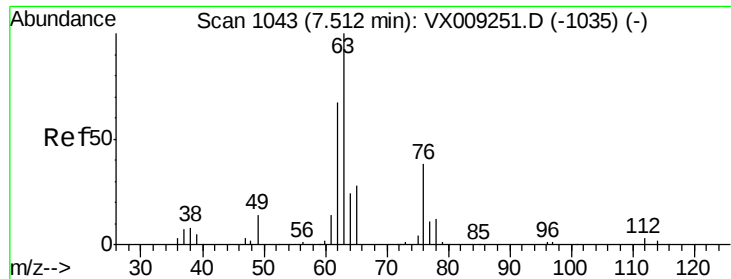


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





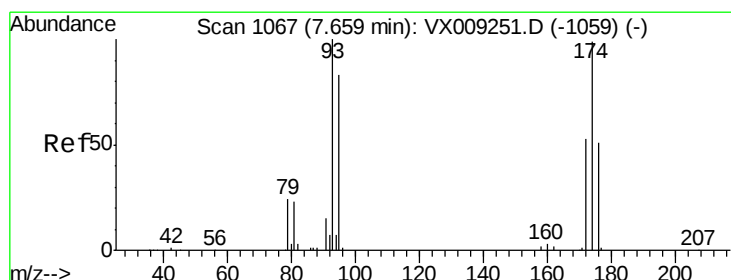
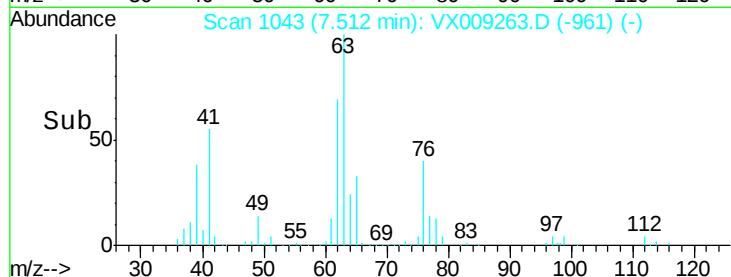
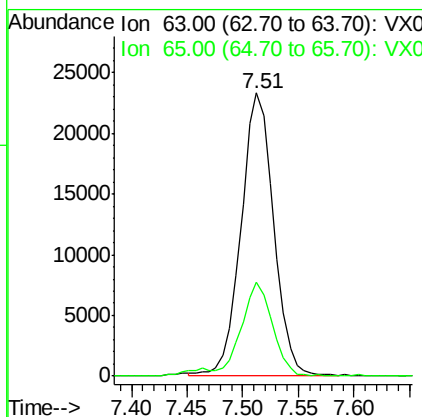
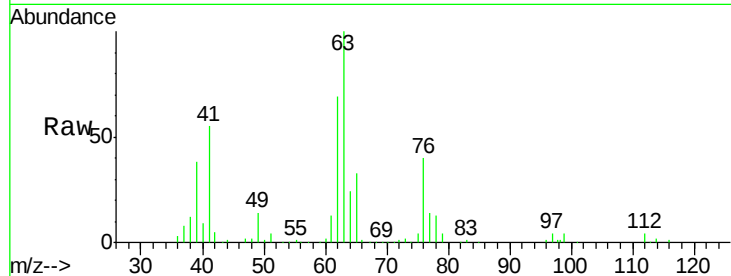
#39  
 1,2-Dichloropropane  
 Concen: 20.512 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion: 63 Resp: 47035  
 Ion Ratio Lower Upper  
 63 100  
 65 33.4 24.0 36.0

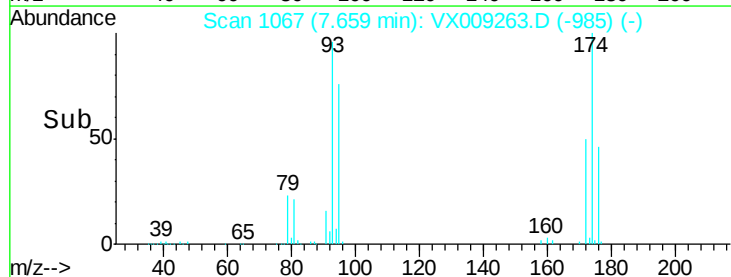
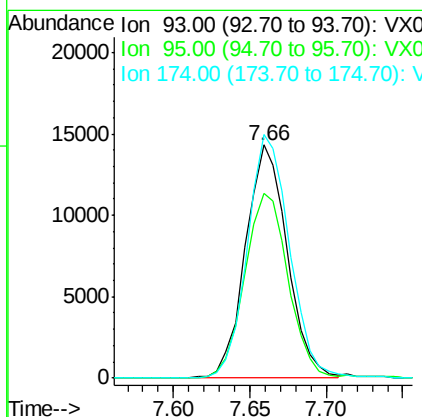
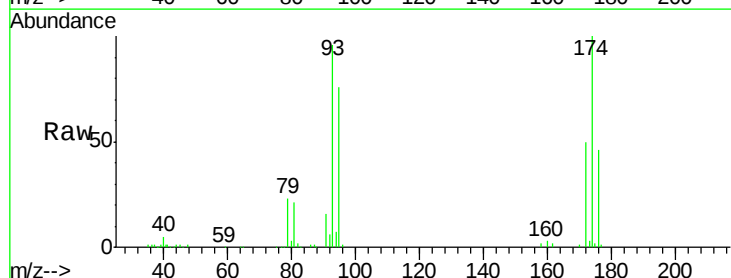
Manual Integrations  
 APPROVED

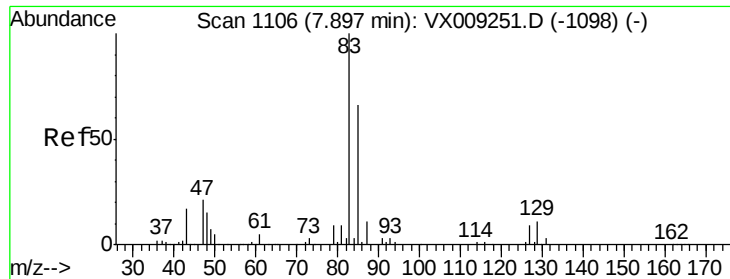
MMDadoda  
 5/2/2019 10:53:57 AM



#40  
 Dibromomethane  
 Concen: 20.946 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Tgt Ion: 93 Resp: 27261  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 0.0 167.2  
 174 105.2 0.0 203.4





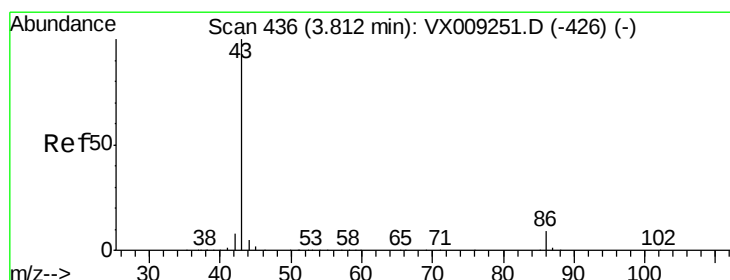
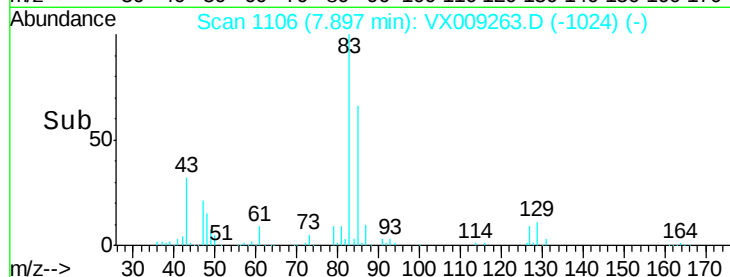
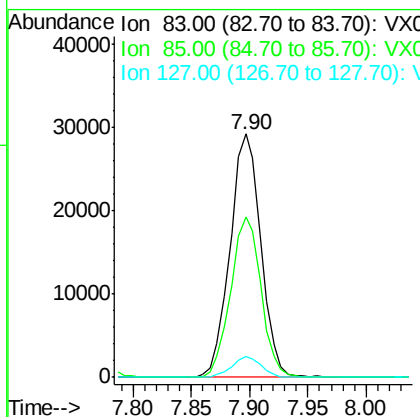
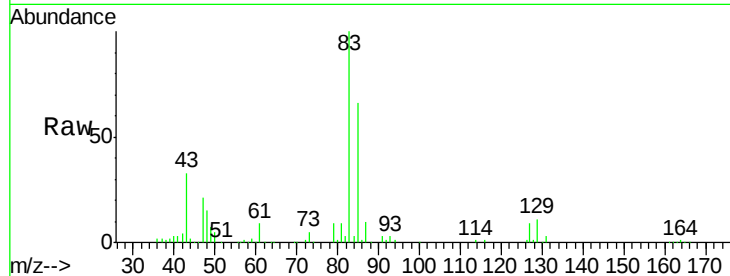
#41  
Bromodichloromethane  
Concen: 20.277 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion   | 83   | Resp  | 53906 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 65.7 | 52.6  | 79.0  |
| 127       | 8.6  | 6.9   | 10.3  |

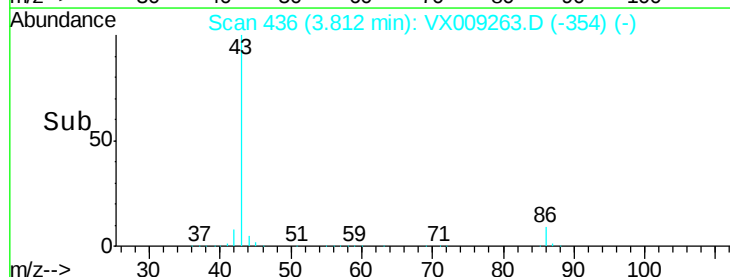
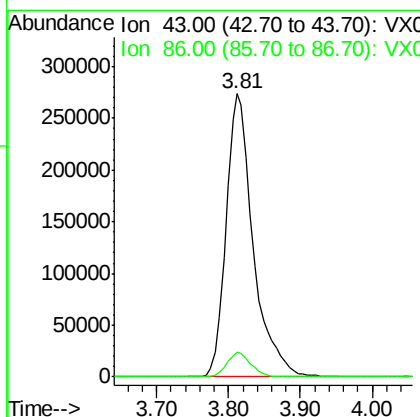
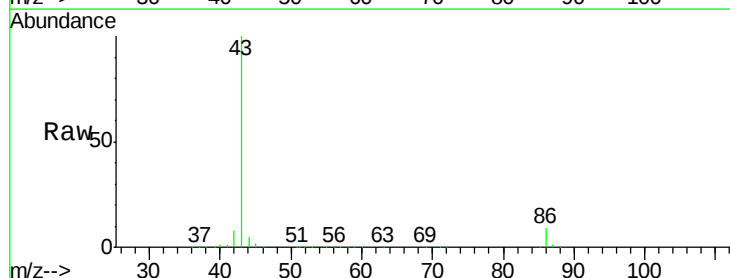
Manual Integrations  
APPROVED

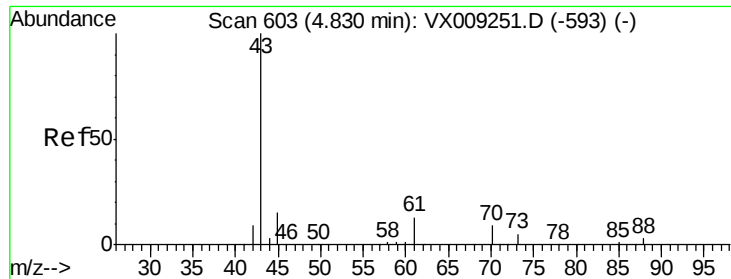
MMDadoda  
5/2/2019 10:53:57 AM



#42  
Vinyl Acetate  
Concen: 105.708 ug/l  
RT: 3.81 min Scan# 436  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion   | 43  | Resp  | 713641 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 43        | 100 |       |        |
| 86        | 7.7 | 6.0   | 9.0    |





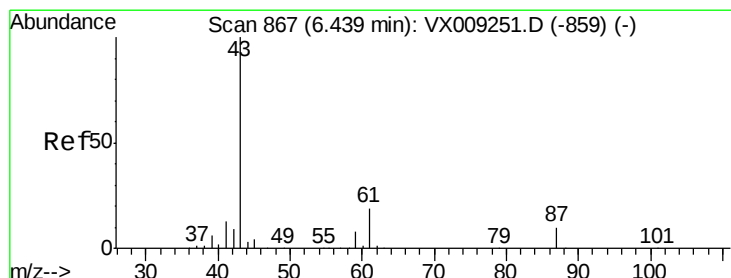
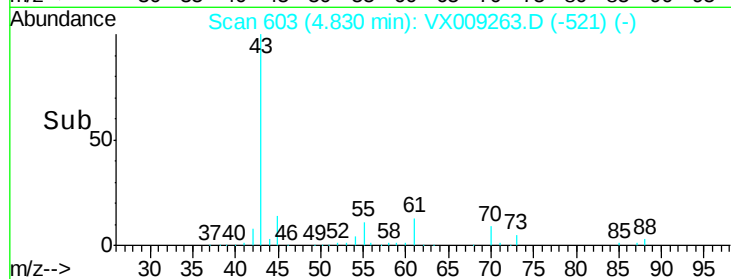
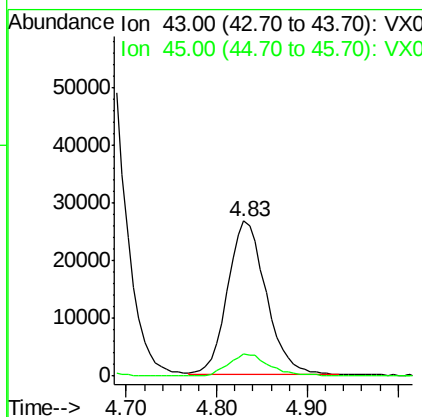
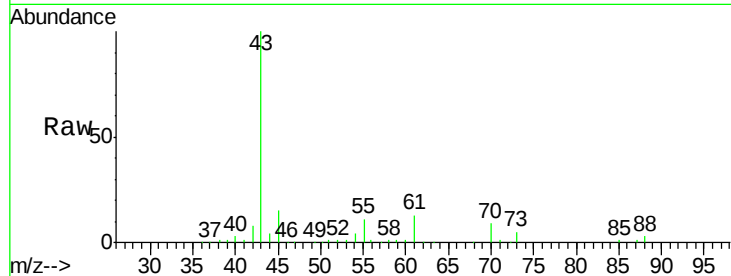
#43  
Ethyl Acetate  
Concen: 21.194 ug/l  
RT: 4.83 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 43 Resp: 78336  
Ion Ratio Lower Upper  
43 100  
45 15.7 11.8 17.8

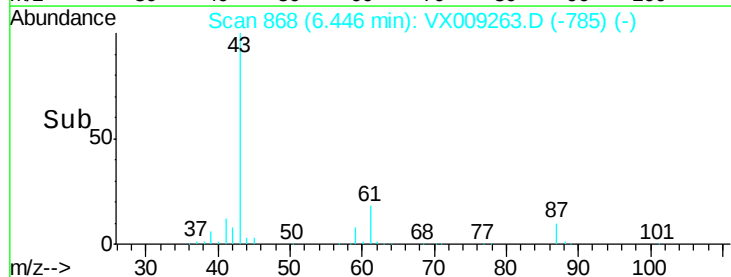
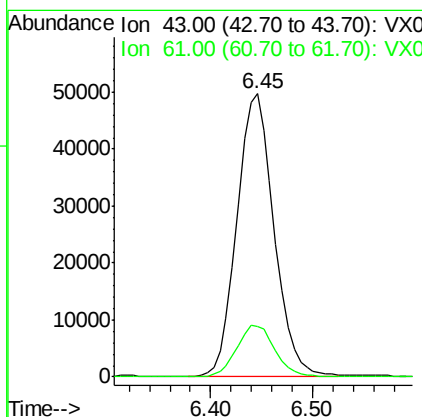
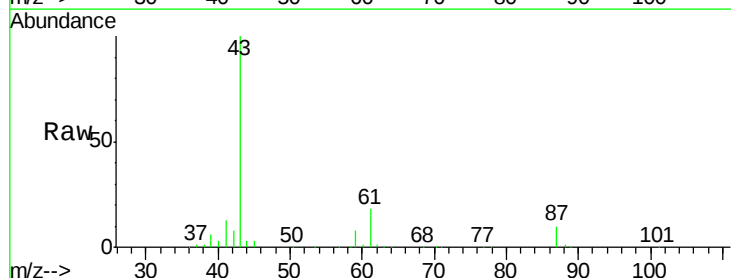
Manual Integrations  
APPROVED

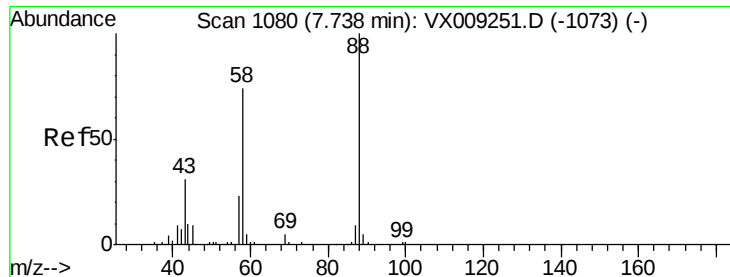
MMDadoda  
5/2/2019 10:53:57 AM



#44  
Isopropyl Acetate  
Concen: 20.892 ug/l  
RT: 6.45 min Scan# 868  
Delta R.T. 0.01 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Tgt Ion: 43 Resp: 125099  
Ion Ratio Lower Upper  
43 100  
61 18.6 15.4 23.2





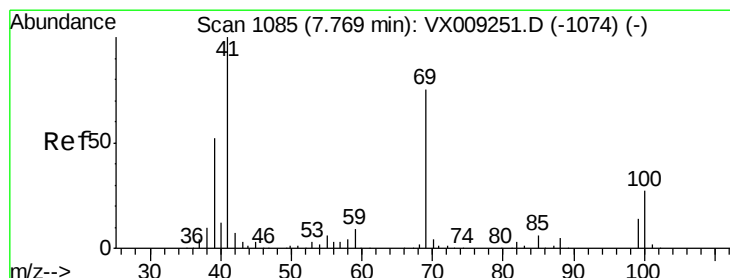
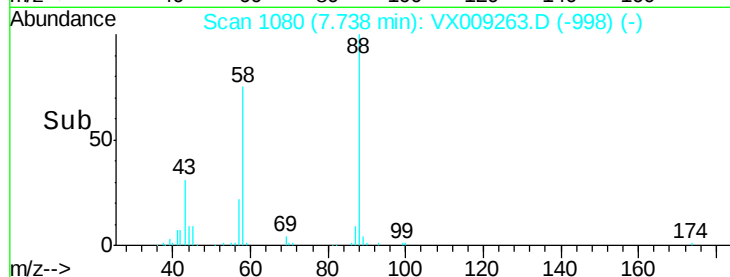
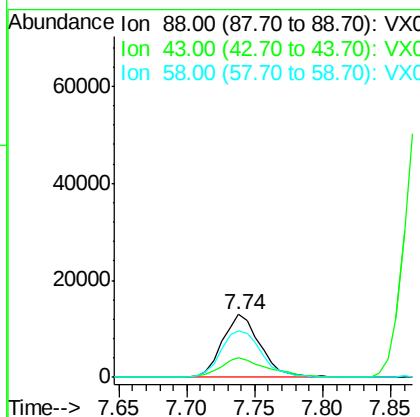
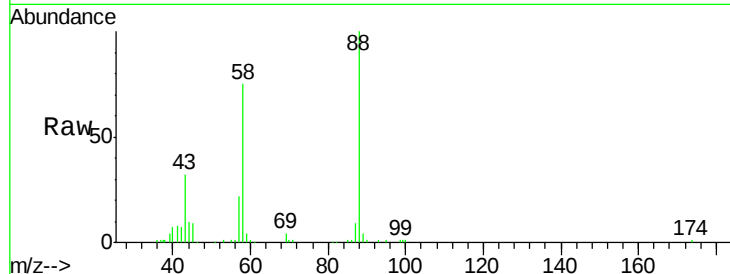
#45  
 1,4-Dioxane  
 Concen: 424.903 ug/l  
 RT: 7.74 min Scan# 1080  
 Delta R.T. 0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.6  | 28.5  | 42.7  |
| 58      | 79.8  | 62.5  | 93.7  |

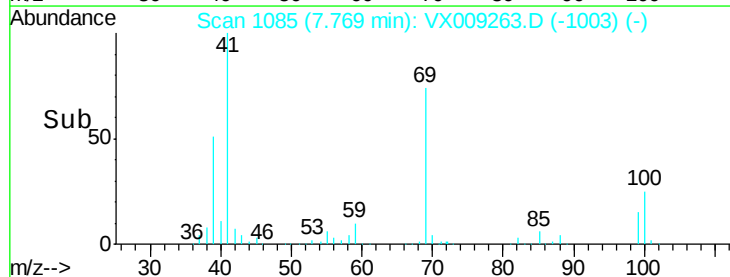
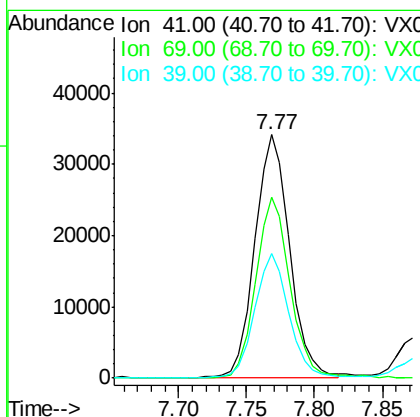
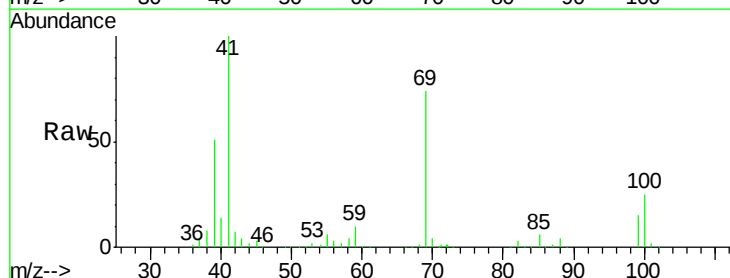
Manual Integrations  
 APPROVED

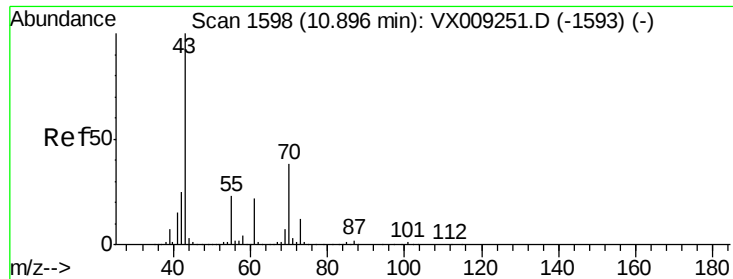
MMDadoda  
 5/2/2019 10:53:57 AM



#46  
 Methyl methacrylate  
 Concen: 20.441 ug/l  
 RT: 7.77 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 74.4  | 37.6  | 112.8 |
| 39      | 50.9  | 25.8  | 77.3  |





#47

n-amyl Acetate

Concen: 20.209 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 43 Resp: 109006

Ion Ratio Lower Upper

43 100

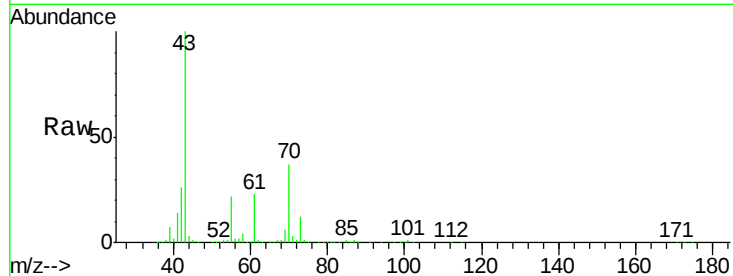
55 22.9 18.2 27.4

Manual Integrations

APPROVED

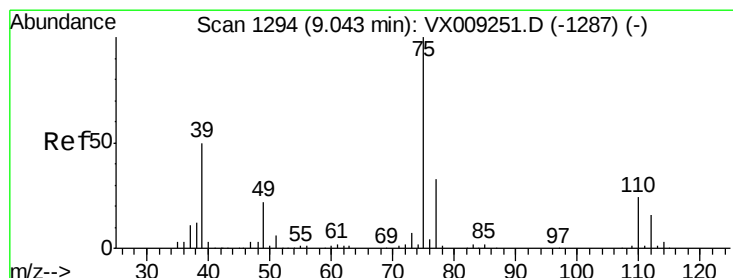
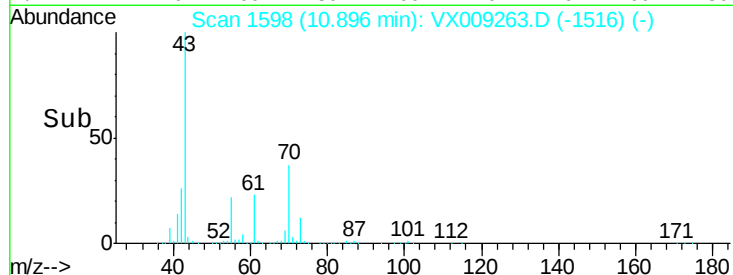
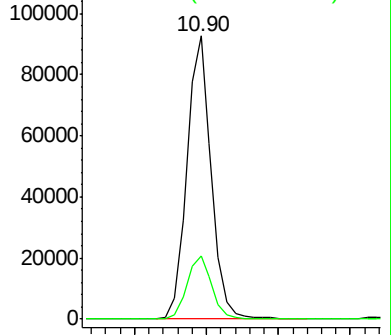
MMDadoda

5/2/2019 10:53:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 20.328 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009263.D

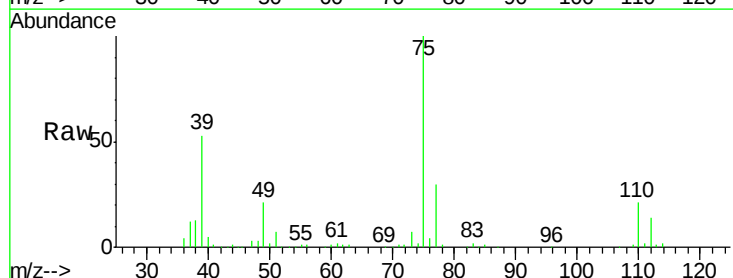
Acq: 01 May 2019 18:47

Tgt Ion: 75 Resp: 63054

Ion Ratio Lower Upper

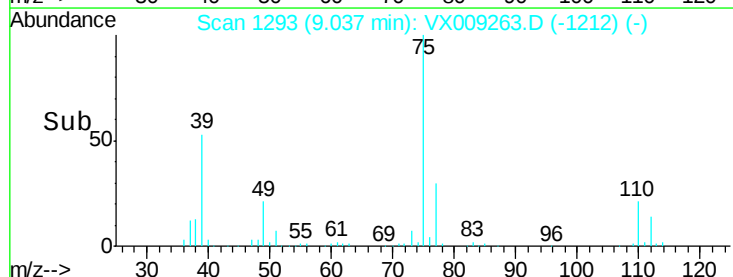
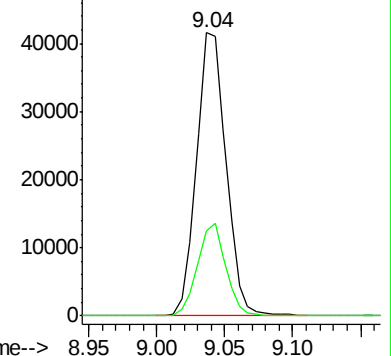
75 100

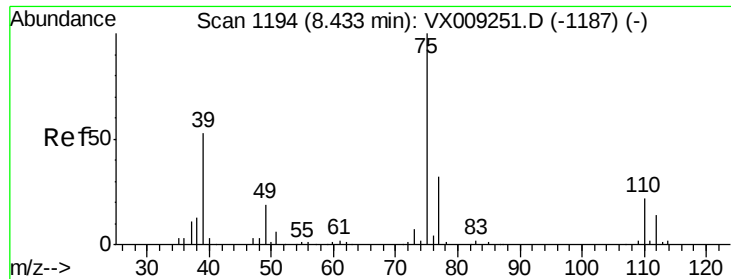
77 30.2 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





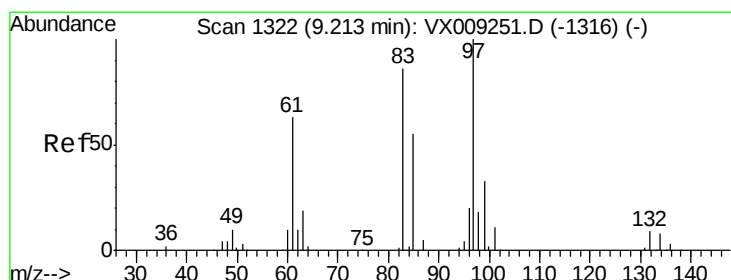
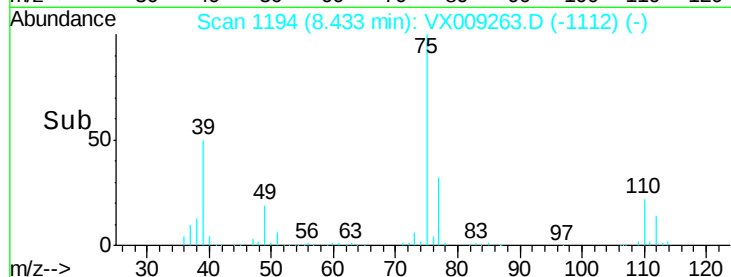
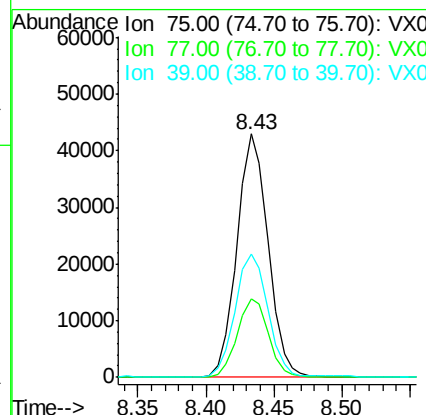
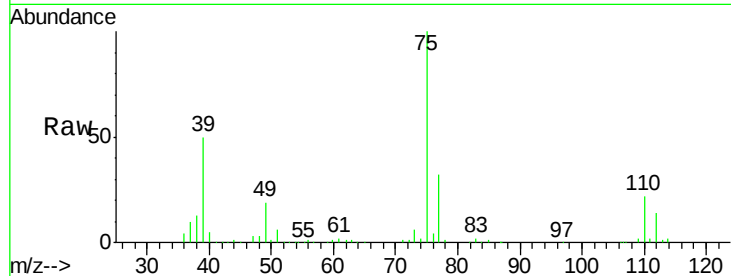
#49  
 cis-1,3-Dichloropropene  
 Concen: 20.163 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.4  | 26.0  | 39.0  |
| 39      | 50.2  | 42.6  | 63.8  |

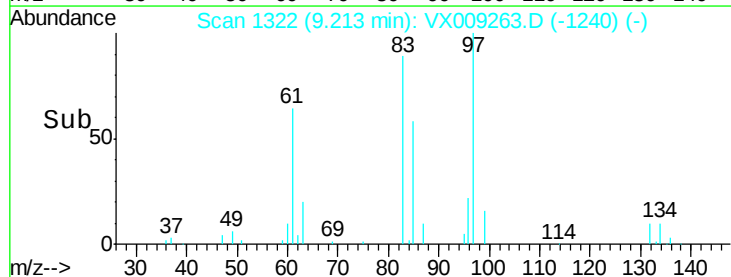
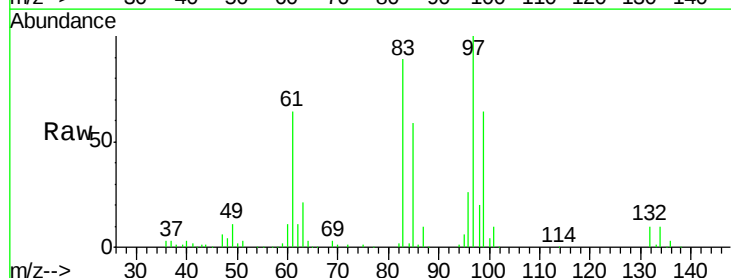
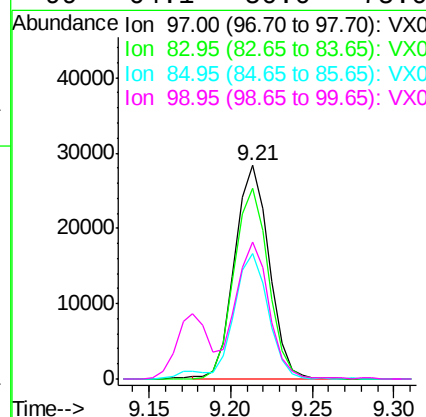
Manual Integrations  
 APPROVED

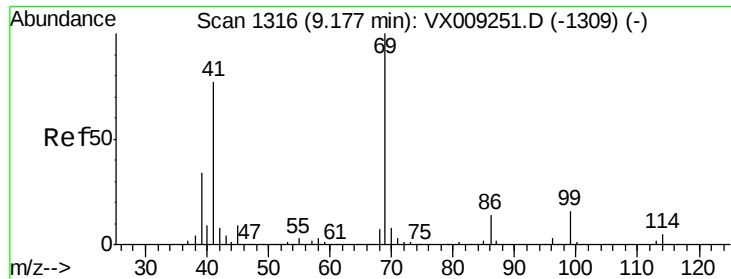
MMDadoda  
 5/2/2019 10:53:57 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 21.024 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.9  | 68.8  | 103.2 |
| 85      | 58.3  | 45.8  | 68.6  |
| 99      | 64.1  | 50.0  | 75.0  |





#51

Ethyl methacrylate

Concen: 20.376 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

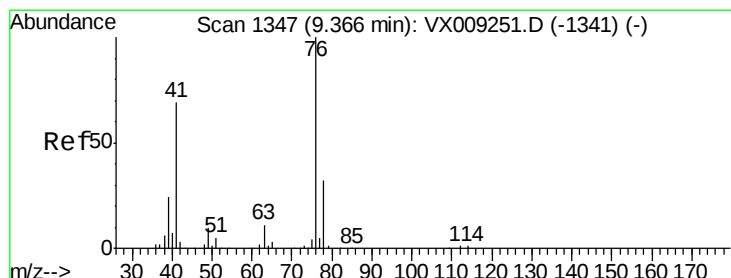
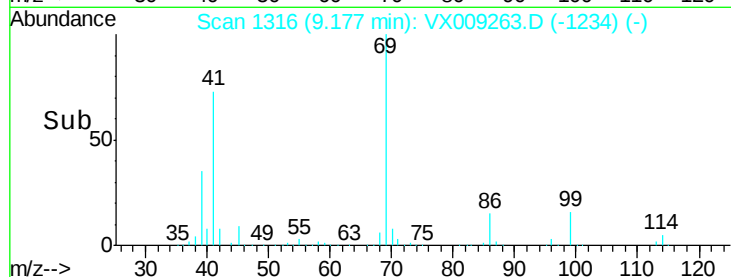
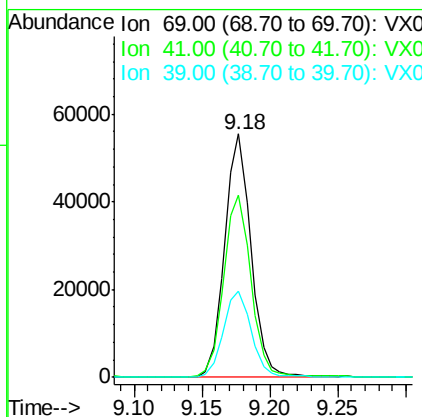
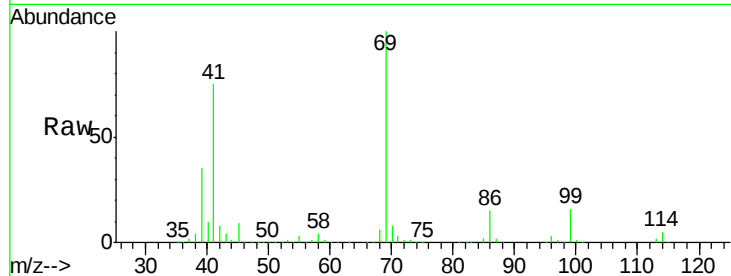
ClientSampled :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 75080 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.5  | 38.4  | 115.2 |
| 39       | 35.0  | 17.2  | 51.5  |

Manual Integrations  
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5/2/2019 10:53:57 AM



#52

1,3-Dichloropropane

Concen: 21.010 ug/l

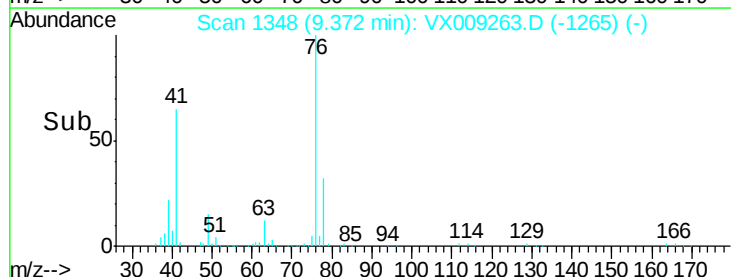
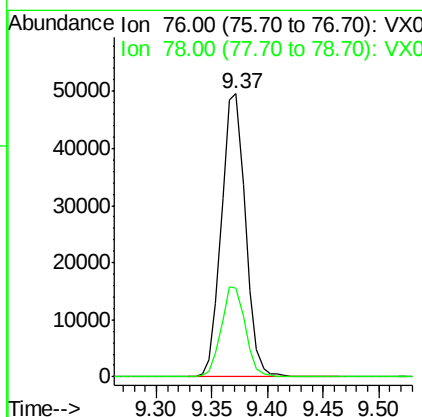
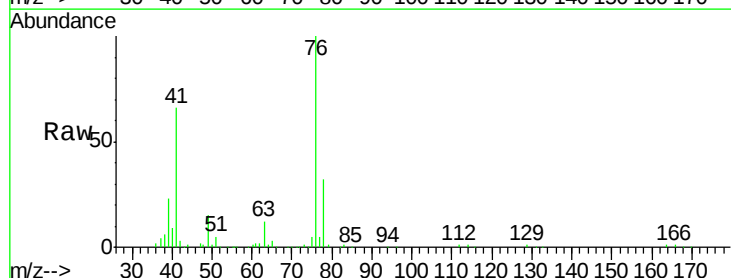
RT: 9.37 min Scan# 1348

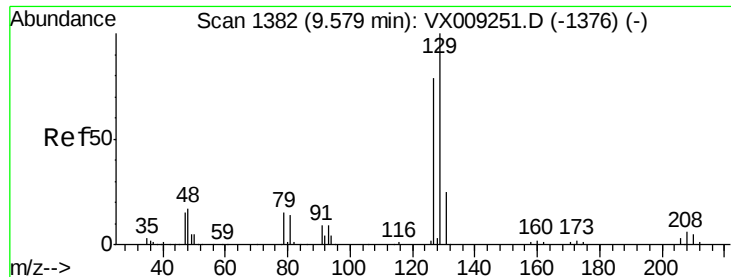
Delta R.T. 0.01 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 74350 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 31.7  | 0.0   | 64.2  |





#53

Dibromochloromethane

Concen: 20.516 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 40742

Ion Ratio Lower Upper

129 100

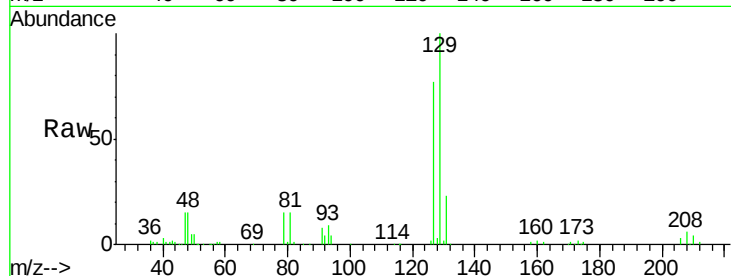
127 78.7 39.1 117.5

Manual Integrations

APPROVED

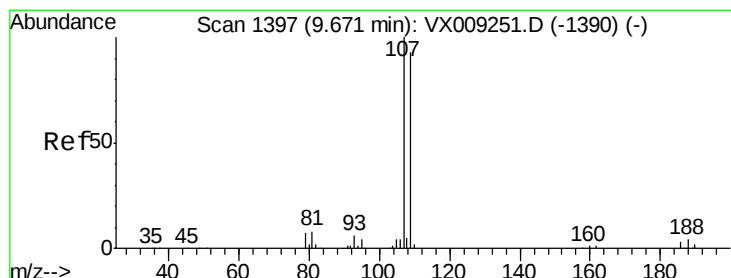
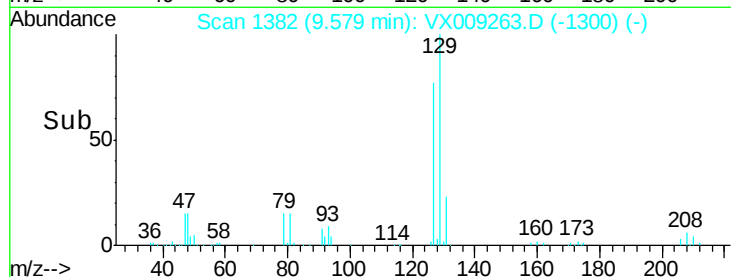
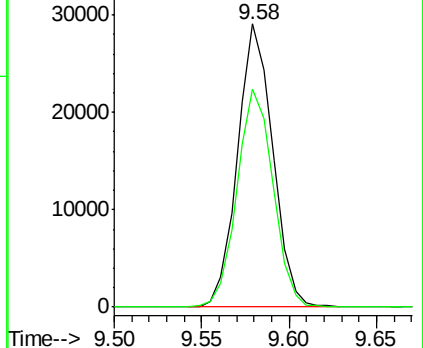
MMDadoda

5/2/2019 10:53:57 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.420 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009263.D

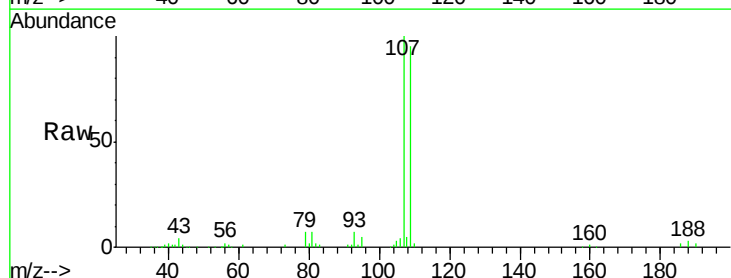
Acq: 01 May 2019 18:47

Tgt Ion:107 Resp: 41760

Ion Ratio Lower Upper

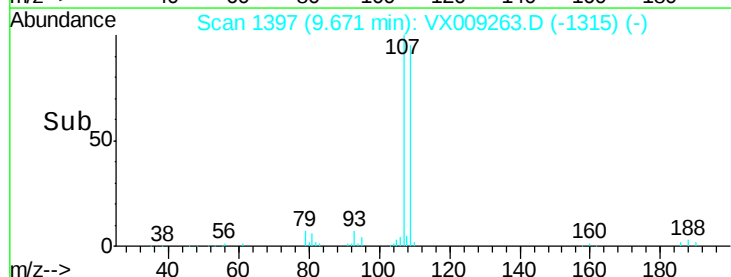
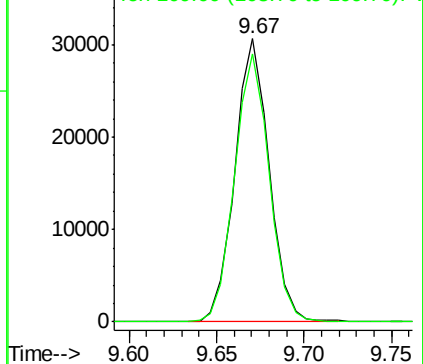
107 100

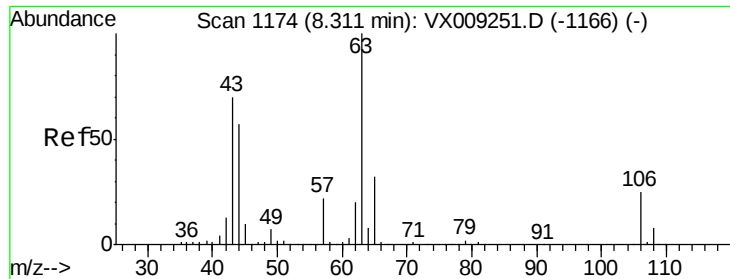
109 95.9 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





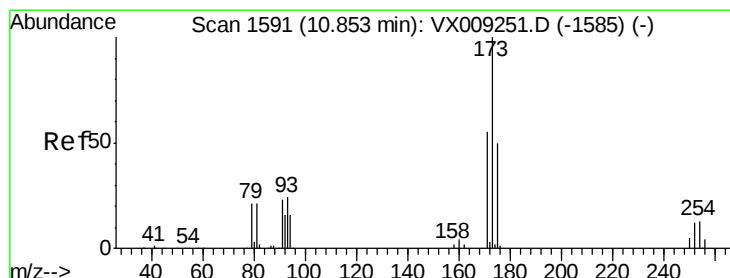
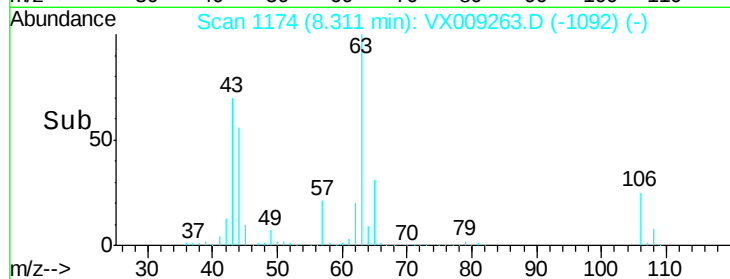
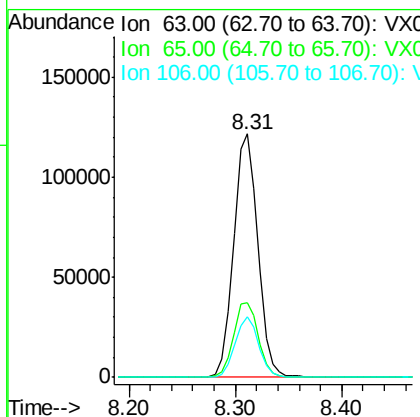
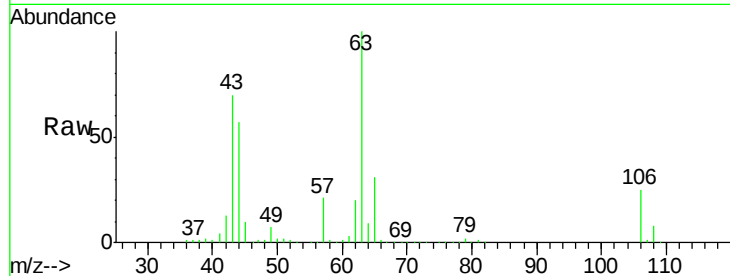
#55  
2-Chloroethyl vinyl ether  
Concen: 99.048 ug/l  
RT: 8.31 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.7  | 25.8  | 38.6  |
| 106     | 24.7  | 19.8  | 29.6  |

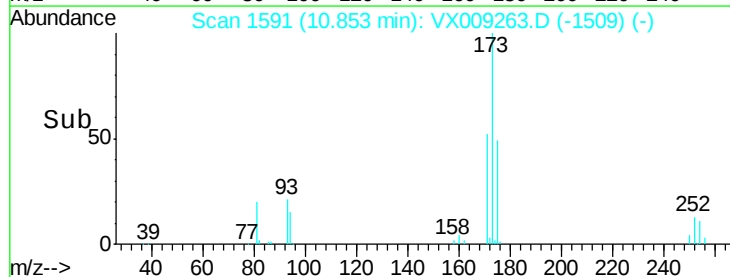
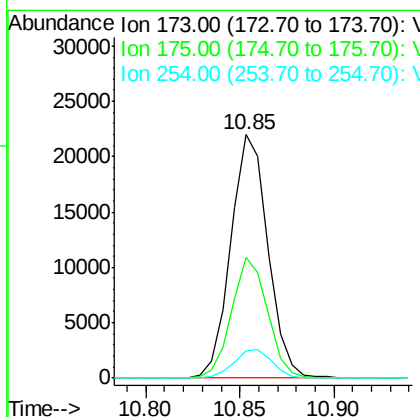
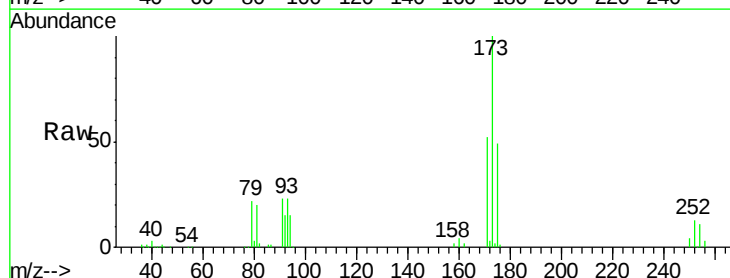
Manual Integrations  
APPROVED

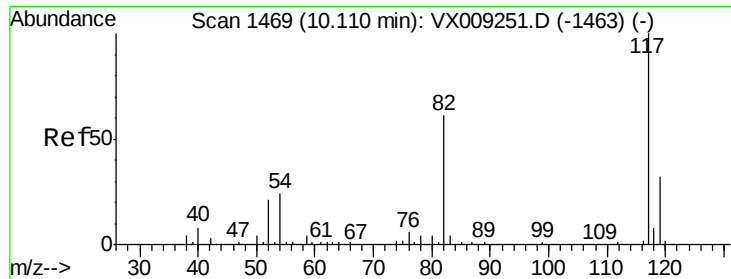
MMDadoda  
5/2/2019 10:53:57 AM



#56  
Bromoform  
Concen: 19.664 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.2  | 39.4  | 59.2  |
| 254     | 12.1  | 9.9   | 14.9  |





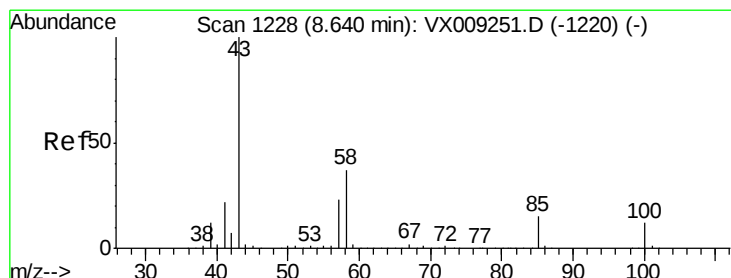
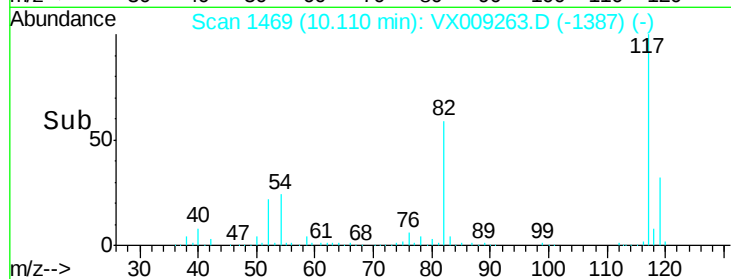
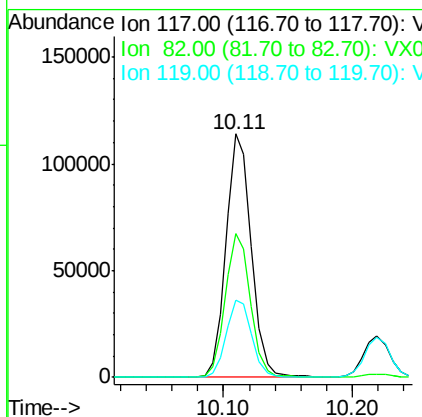
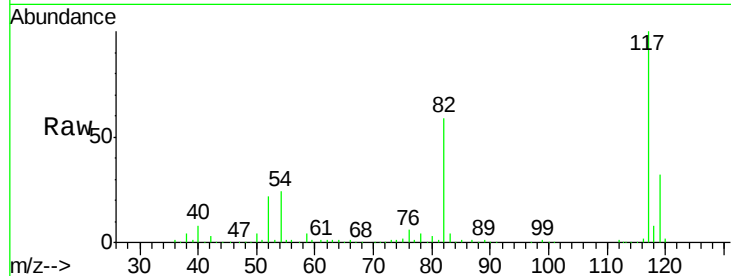
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.1  | 47.8  | 71.8  |
| 119     | 32.3  | 25.6  | 38.4  |

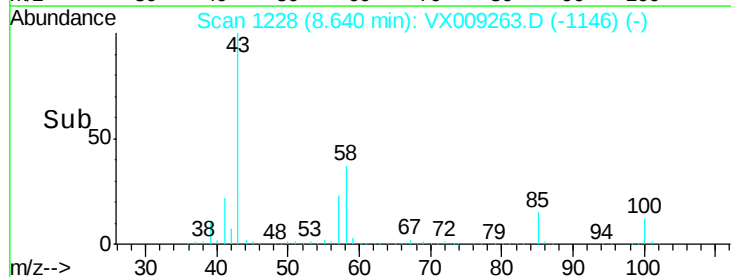
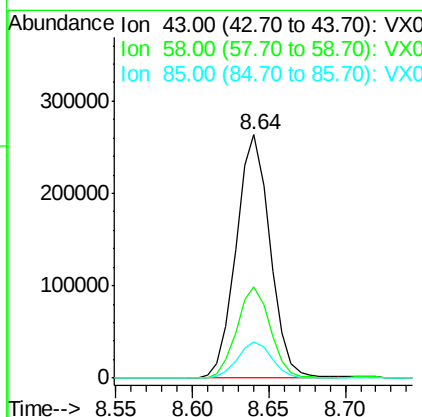
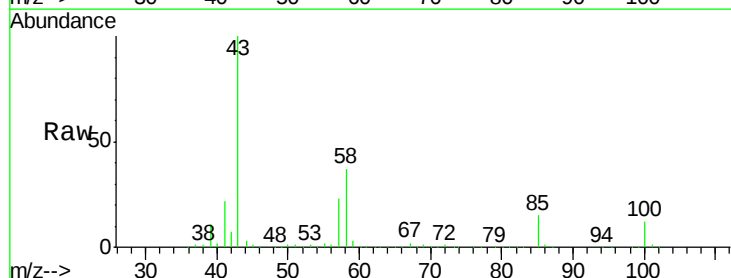
Manual Integrations  
APPROVED

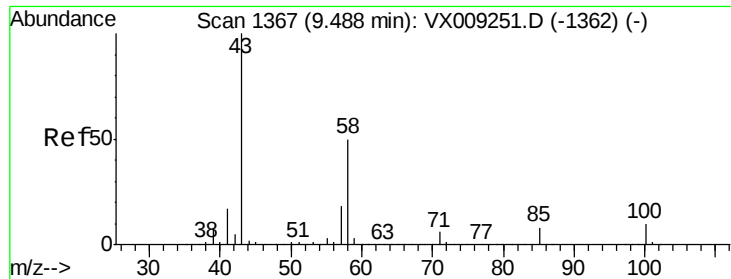
MMDadoda  
5/2/2019 10:53:57 AM



#58  
4-Methyl-2-Pentanone  
Concen: 105.057 ug/l  
RT: 8.64 min Scan# 1228  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.2  | 29.4  | 44.0  |
| 85      | 15.0  | 11.8  | 17.8  |





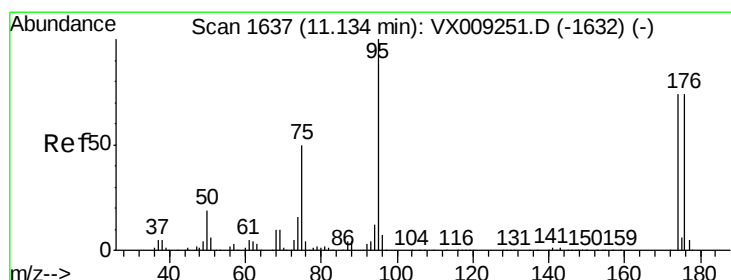
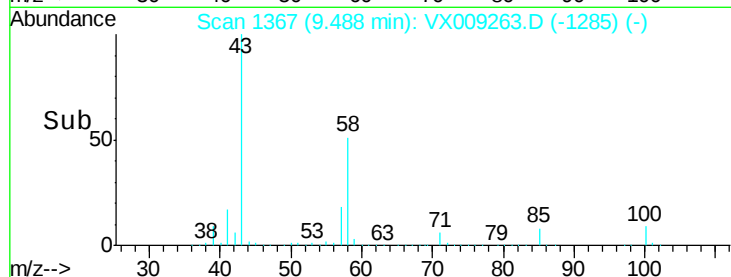
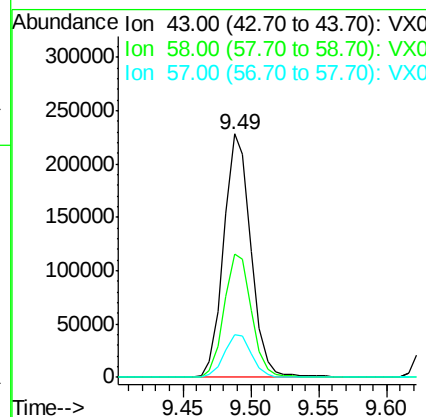
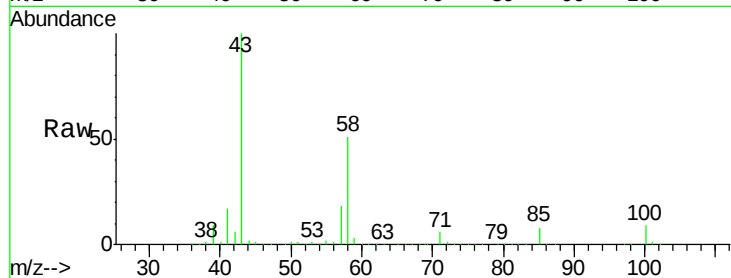
#59  
2-Hexanone  
Concen: 104.124 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 51.4  | 40.8  | 61.2  |
| 57      | 17.5  | 14.1  | 21.1  |

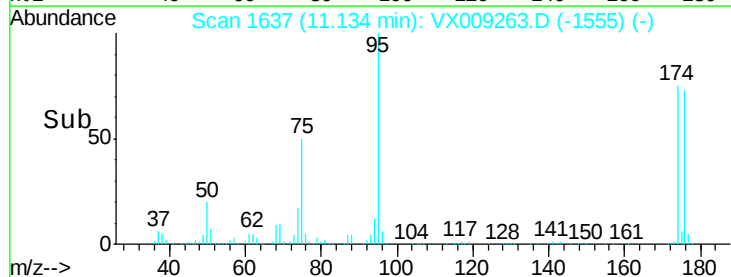
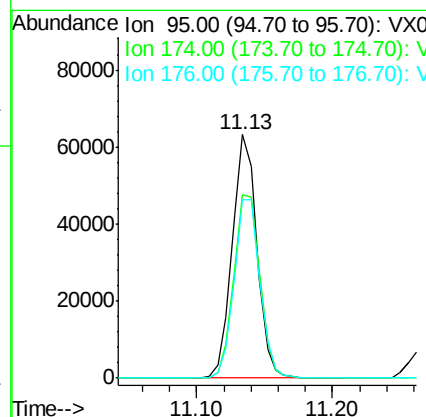
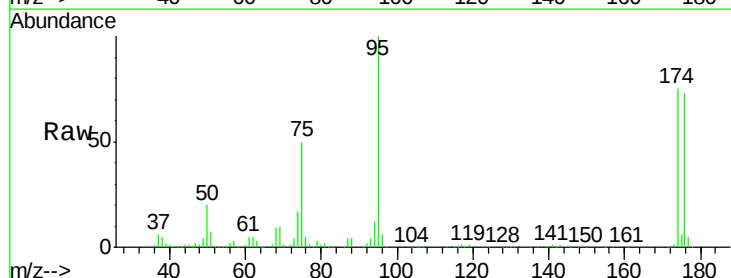
Manual Integrations  
APPROVED

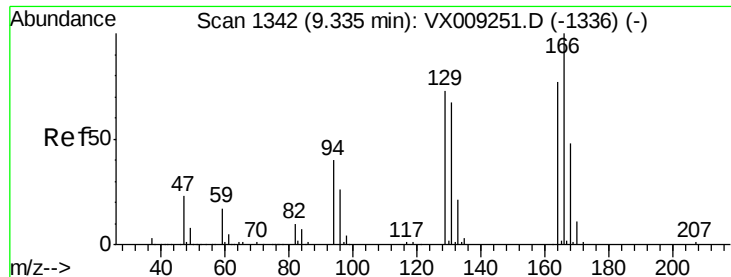
MMDadoda  
5/2/2019 10:53:57 AM



#60  
4-Bromofluorobenzene  
Concen: 29.770 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 80.1  | 63.6  | 95.4  |
| 176     | 77.4  | 62.4  | 93.6  |





#61

Tetrachloroethene

Concen: 21.534 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 37321

Ion Ratio Lower Upper

164 100

166 127.8 104.1 156.1

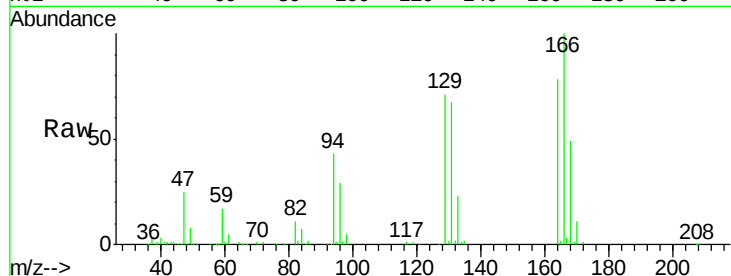
129 90.6 76.0 114.0

131 86.0 70.1 105.1

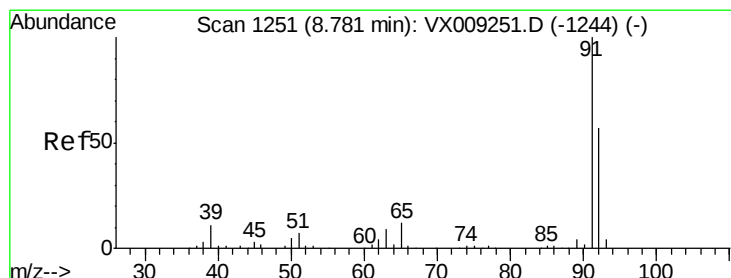
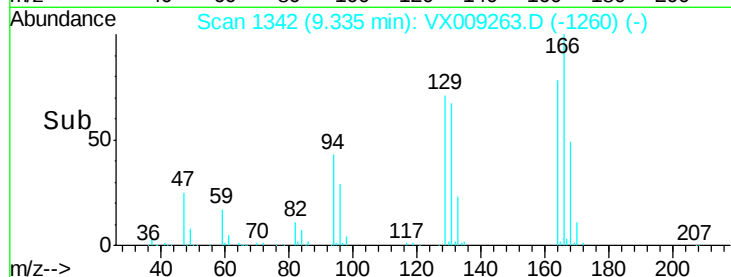
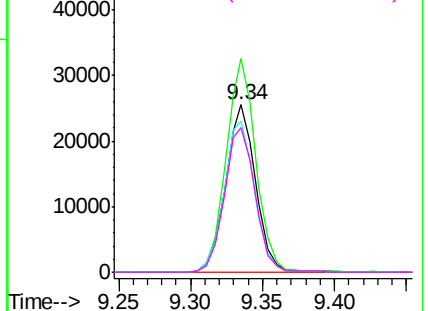
Manual Integrations  
APPROVED

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Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.215 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009263.D

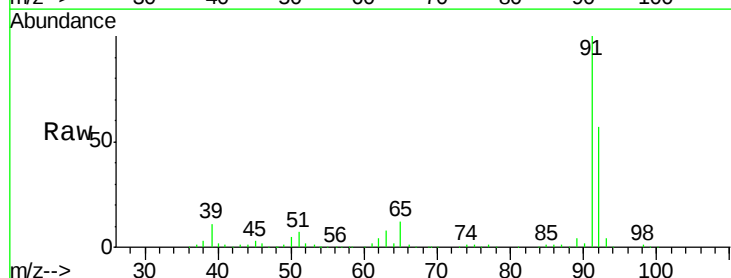
Acq: 01 May 2019 18:47

Tgt Ion: 91 Resp: 178229

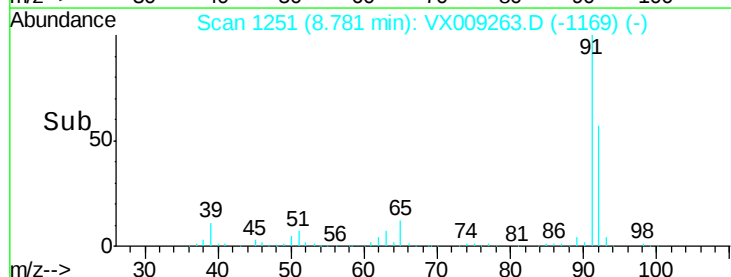
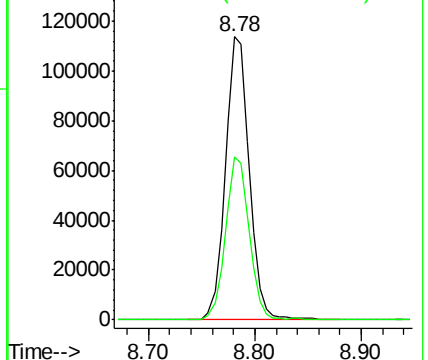
Ion Ratio Lower Upper

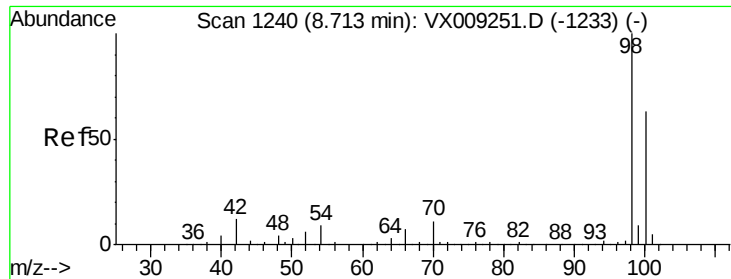
91 100

92 57.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.845 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 222458

Ion Ratio Lower Upper

98 100

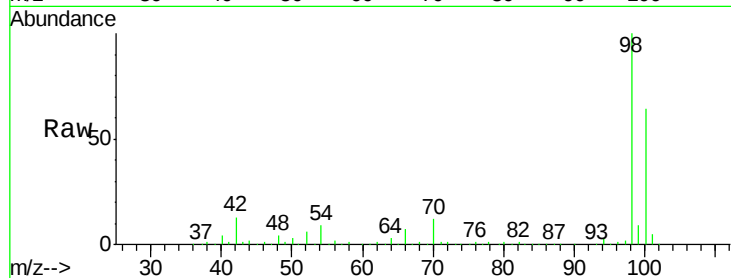
100 65.0 52.3 78.5

Manual Integrations

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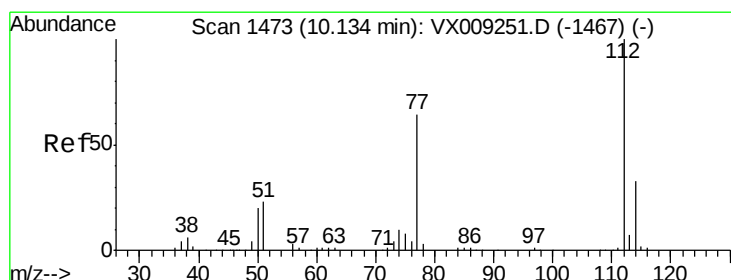
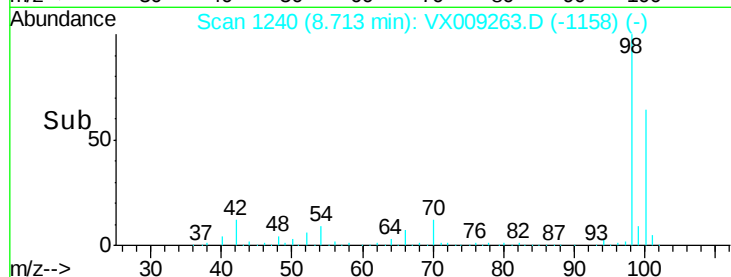
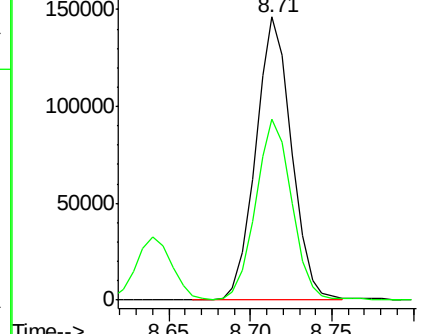
MMDadoda

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#64

Chlorobenzene

Concen: 20.918 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009263.D

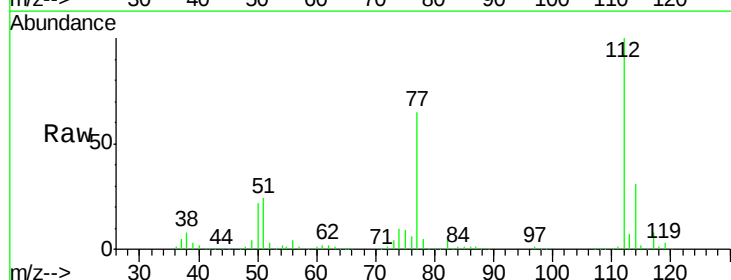
Acq: 01 May 2019 18:47

Tgt Ion: 112 Resp: 105763

Ion Ratio Lower Upper

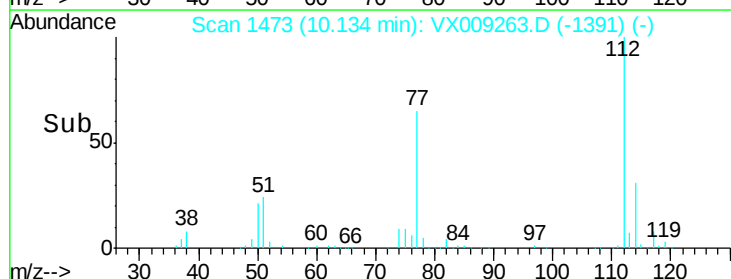
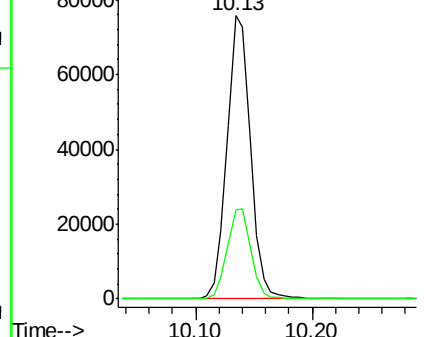
112 100

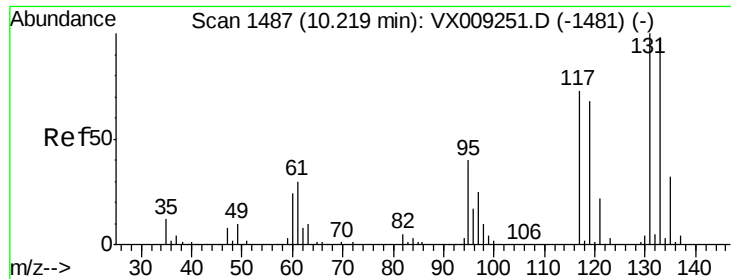
114 31.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.444 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 37848

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.2

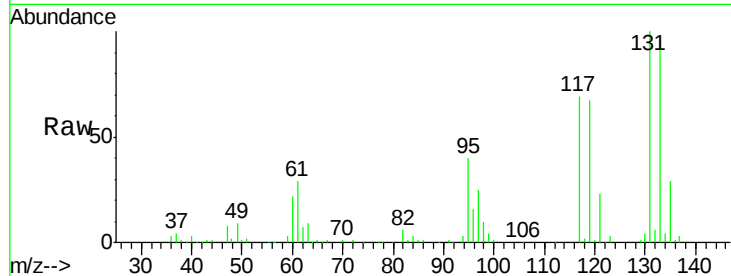
119 68.2 0.0 135.4

Manual Integrations

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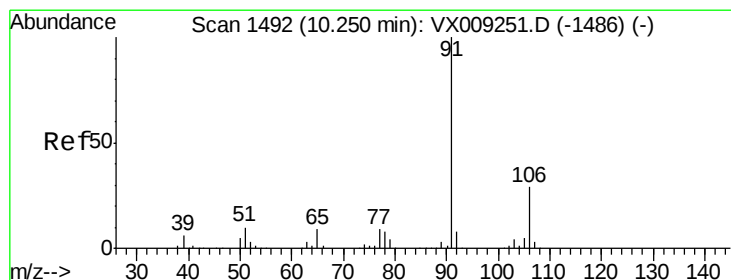
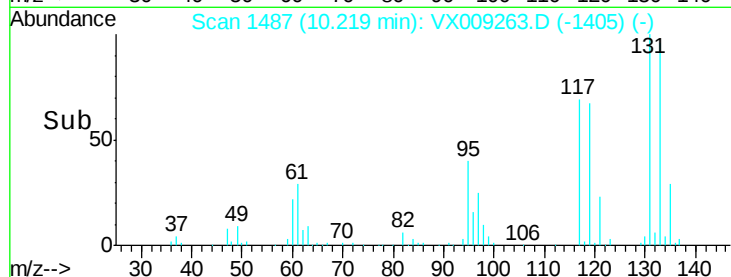
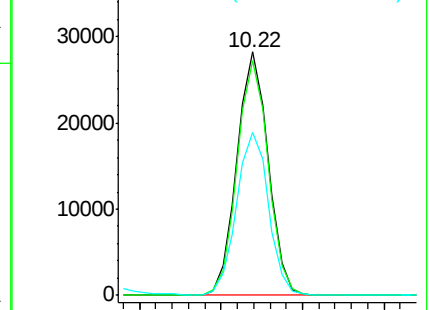
5/2/2019 10:53:57 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.928 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009263.D

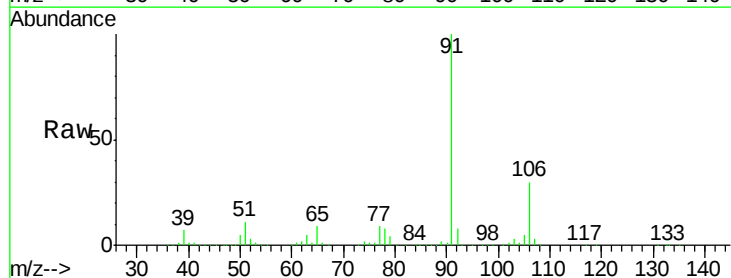
Acq: 01 May 2019 18:47

Tgt Ion: 91 Resp: 195861

Ion Ratio Lower Upper

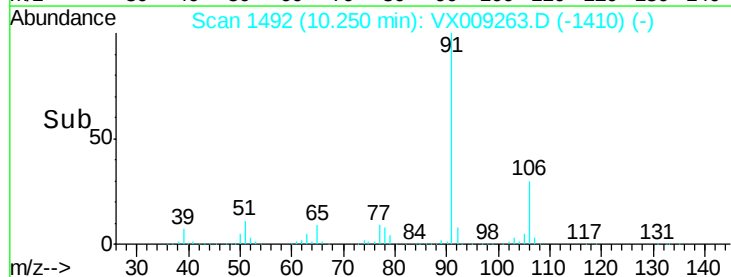
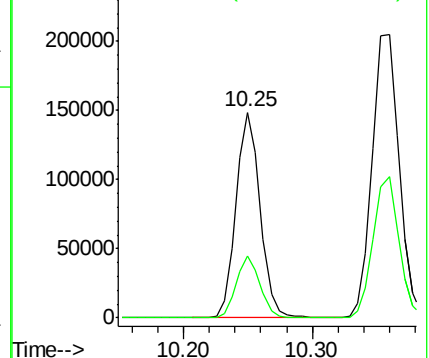
91 100

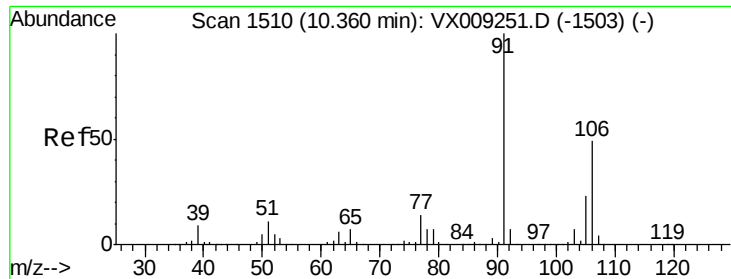
106 30.4 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





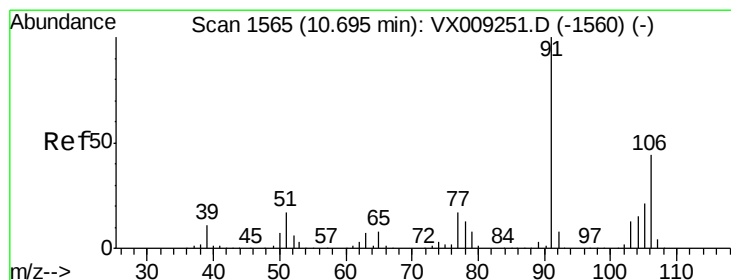
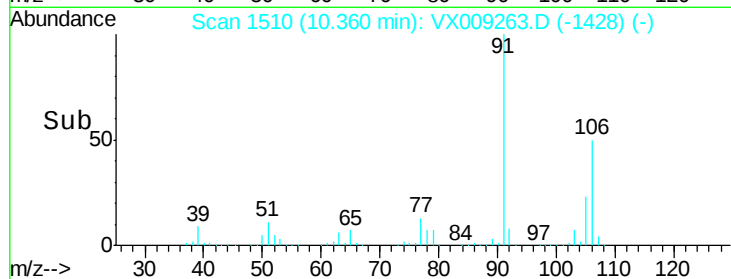
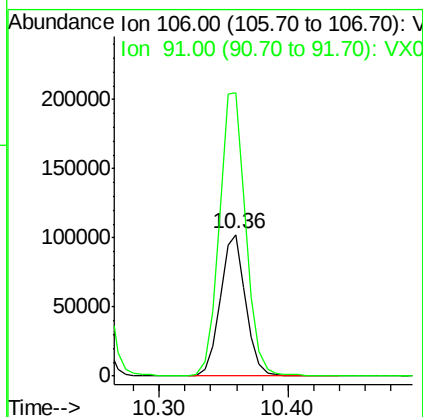
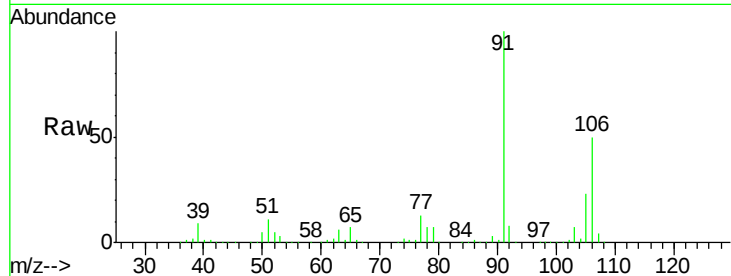
#67  
m/p-Xvlenes  
Concen: 41.583 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 208.3 | 166.8 | 250.2 |

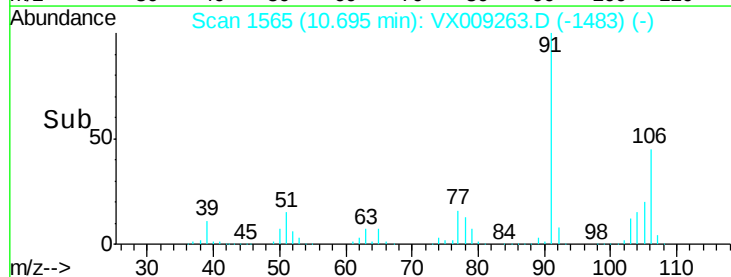
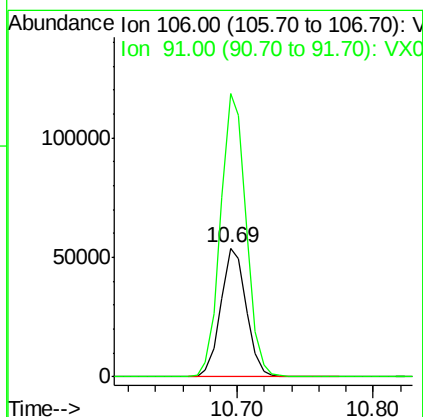
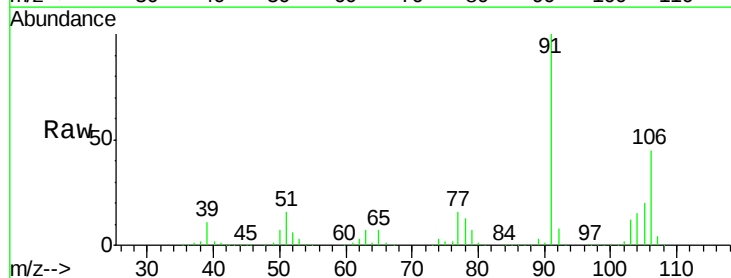
Manual Integrations  
APPROVED

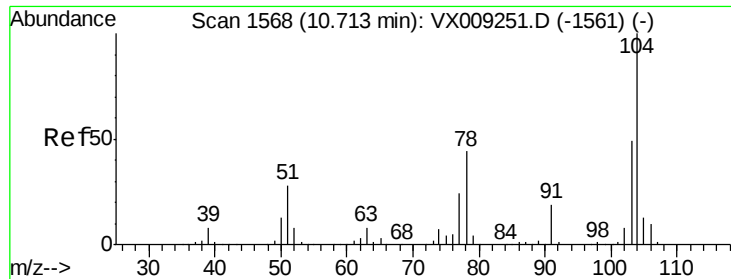
MMDadoda  
5/2/2019 10:53:57 AM



#68  
o-Xylene  
Concen: 20.841 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 220.9 | 110.8 | 332.3 |





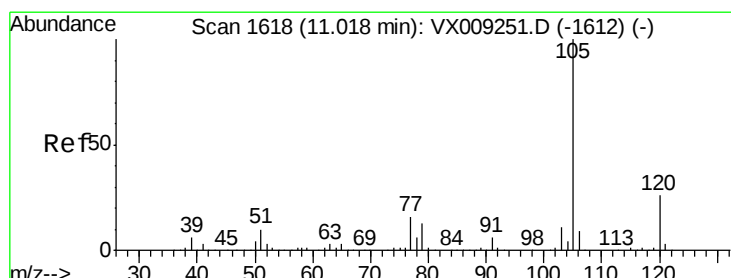
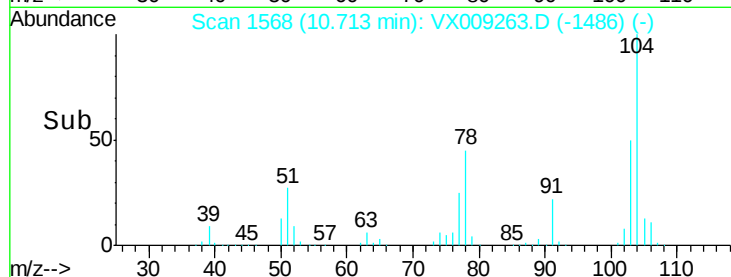
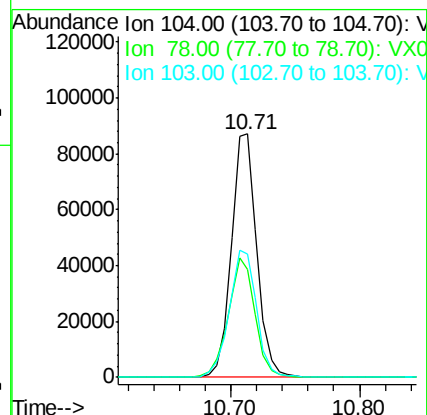
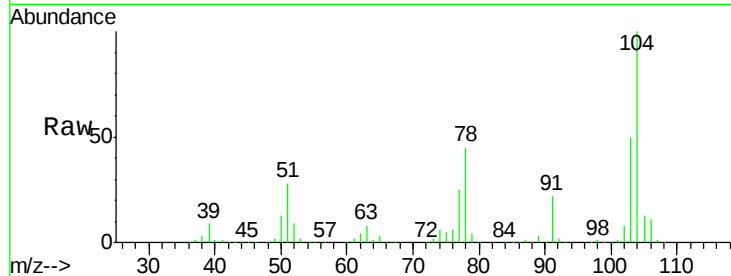
#69  
Stvrene  
Concen: 20.488 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.7  | 41.1  | 61.7  |
| 103     | 56.3  | 43.8  | 65.8  |

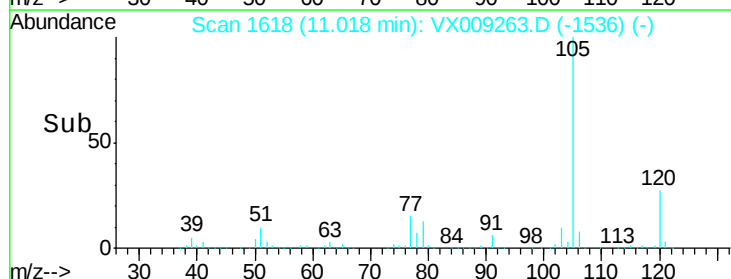
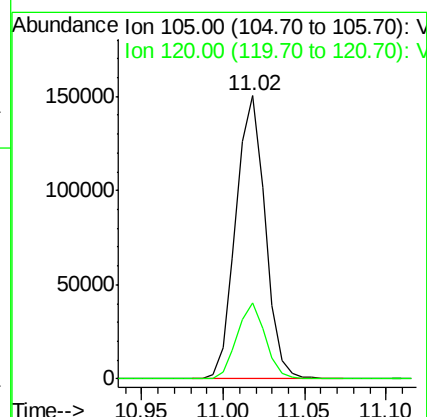
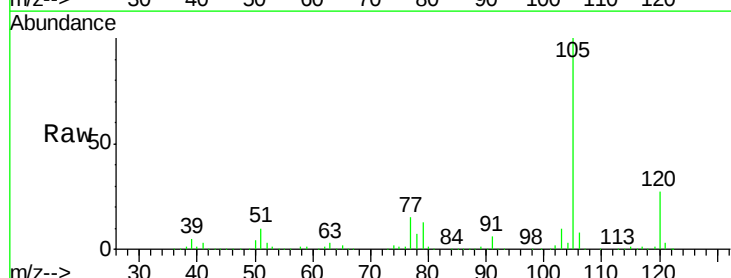
Manual Integrations  
APPROVED

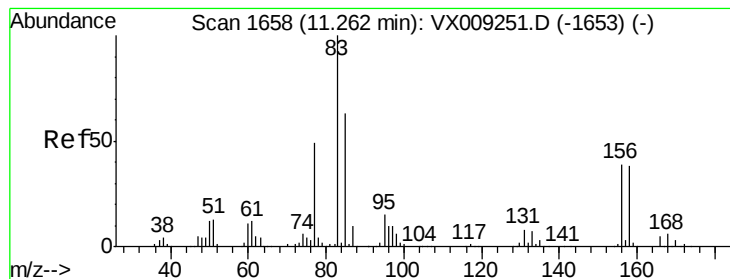
MMDadoda  
5/2/2019 10:53:57 AM



#70  
Isopropylbenzene  
Concen: 20.857 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.0  | 18.1  | 33.7  |





#71

1,1,2,2-Tetrachloroethane

Concen: 20.883 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 69106

Ion Ratio Lower Upper

83 100

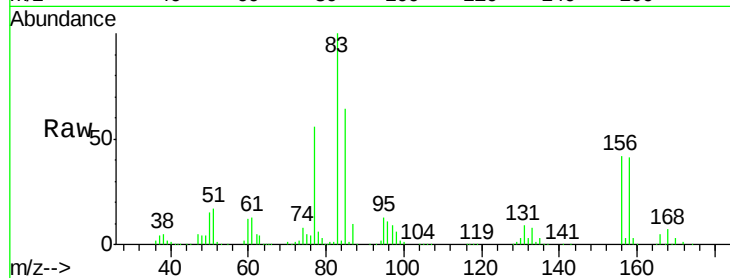
131 9.6 4.7 14.0

85 64.5 32.4 97.2

Manual Integrations  
APPROVED

MMDadoda

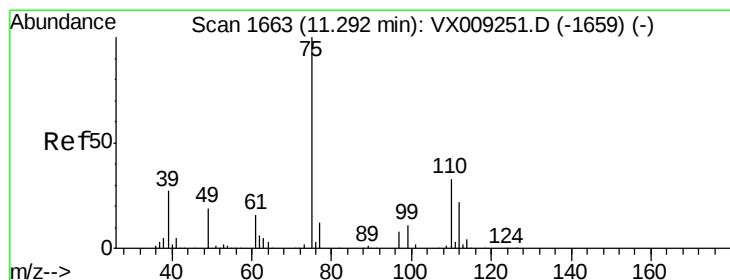
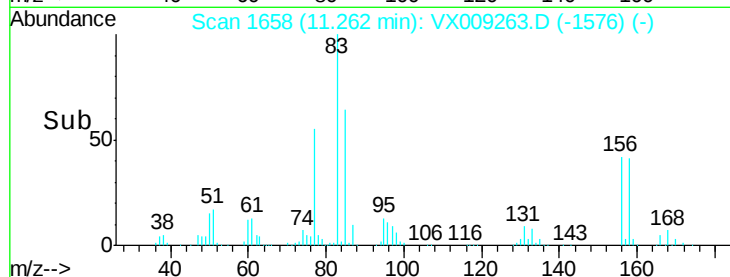
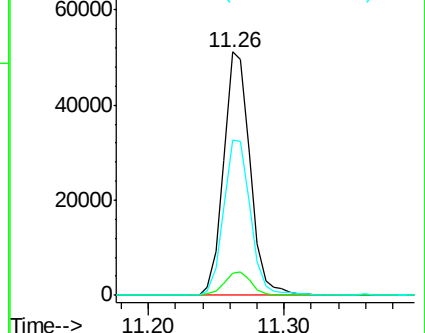
5/2/2019 10:53:57 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 21.118 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009263.D

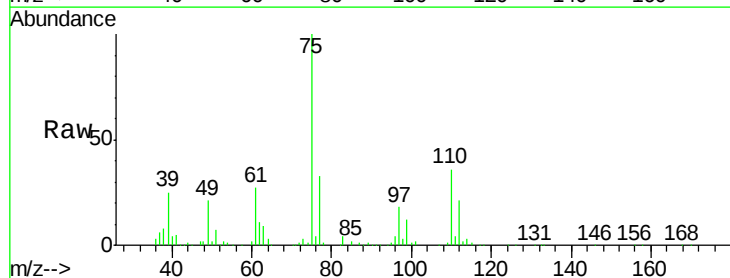
Acq: 01 May 2019 18:47

Tgt Ion: 75 Resp: 60224

Ion Ratio Lower Upper

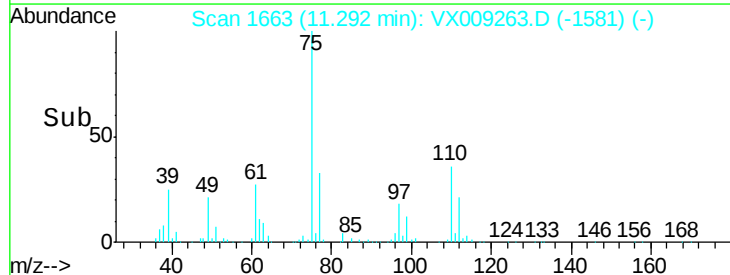
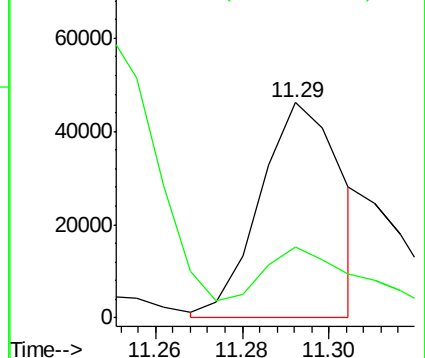
75 100

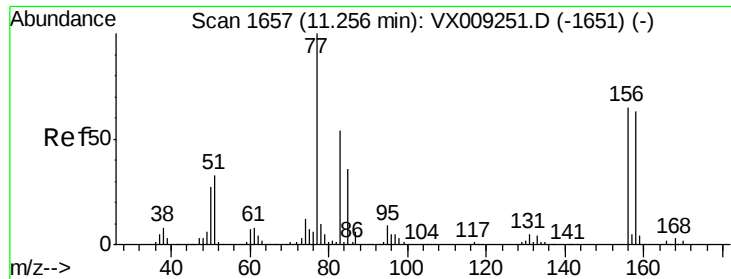
77 43.5 0.0 86.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





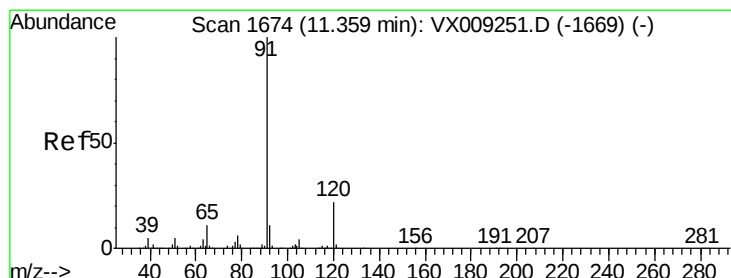
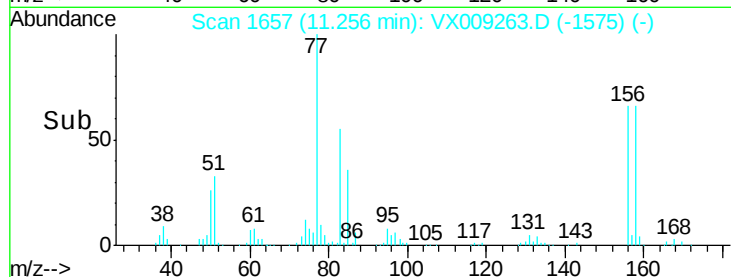
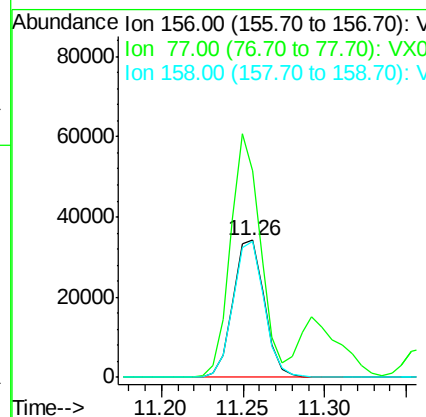
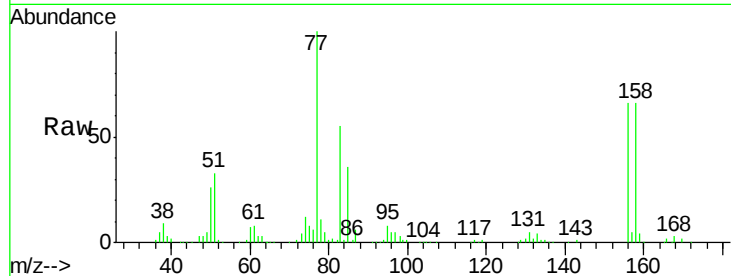
#73  
Bromobenzene  
Concen: 20.537 ug/l  
RT: 11.26 min Scan# 1657  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 168.6 | 0.0   | 335.6 |
| 158     | 98.2  | 0.0   | 191.2 |

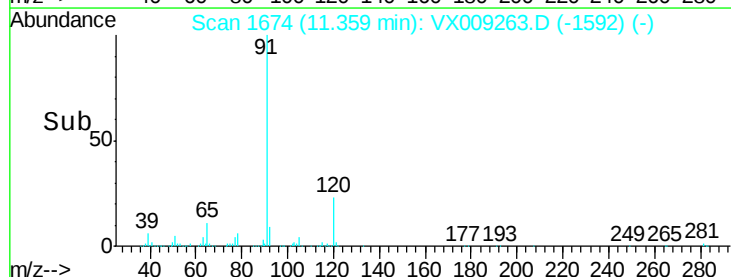
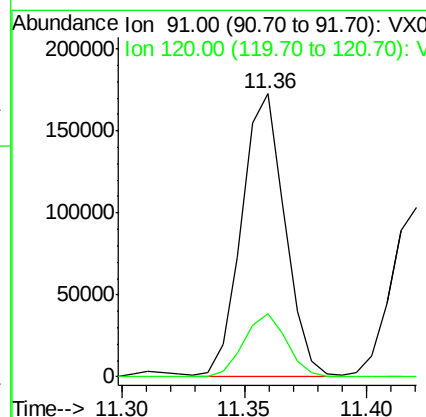
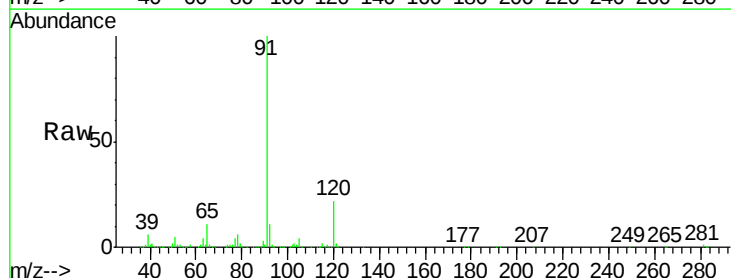
Manual Integrations  
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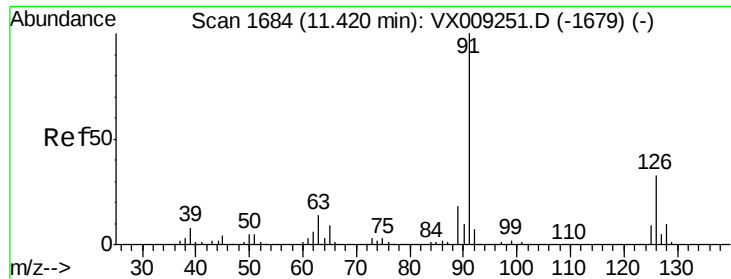
MMDadoda  
5/2/2019 10:53:57 AM



#74  
n-propylbenzene  
Concen: 20.369 ug/l  
RT: 11.36 min Scan# 1674  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.0  | 0.0   | 43.4  |





#75

2-Chlorotoluene

Concen: 20.594 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 129342

Ion Ratio Lower Upper

91 100

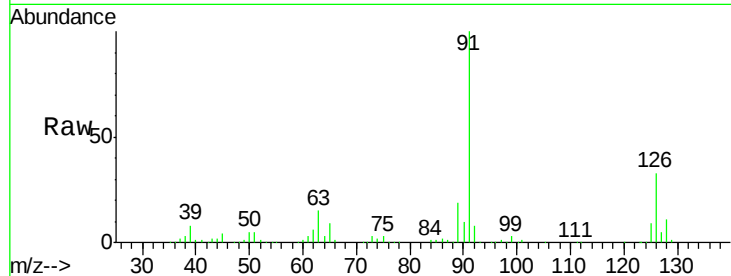
126 33.0 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)

200000

150000

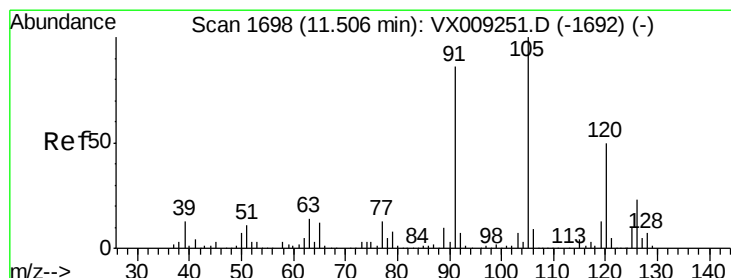
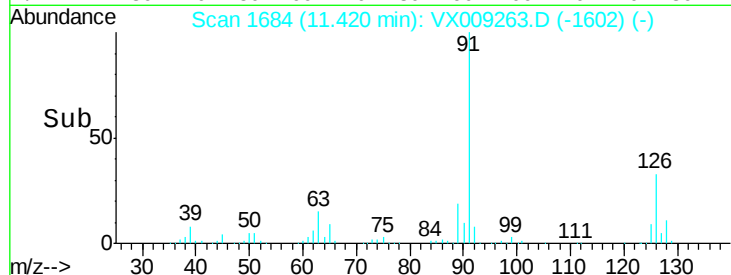
100000

50000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.877 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009263.D

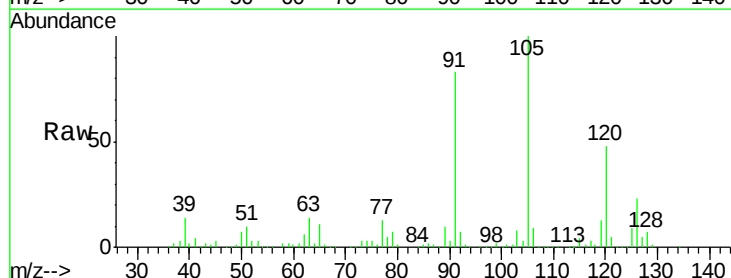
Acq: 01 May 2019 18:47

Tgt Ion:105 Resp: 159794

Ion Ratio Lower Upper

105 100

120 47.8 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)

150000

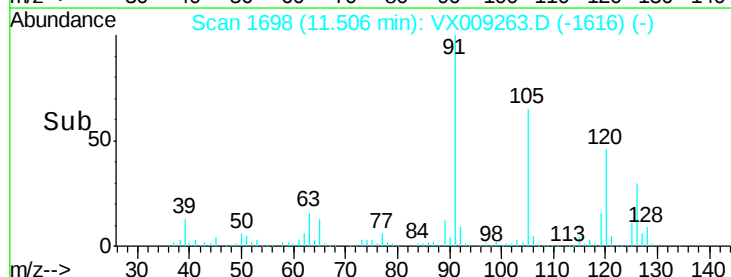
100000

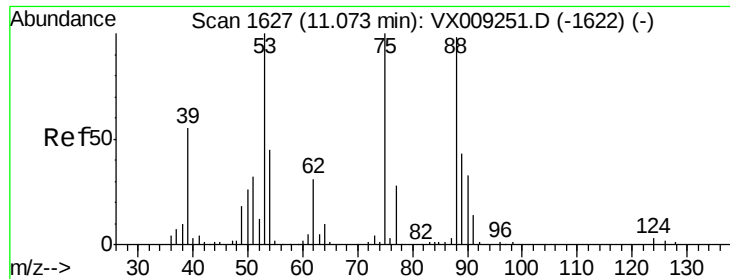
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.648 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 21451

Ion Ratio Lower Upper

75 100

53 102.4 50.0 149.8

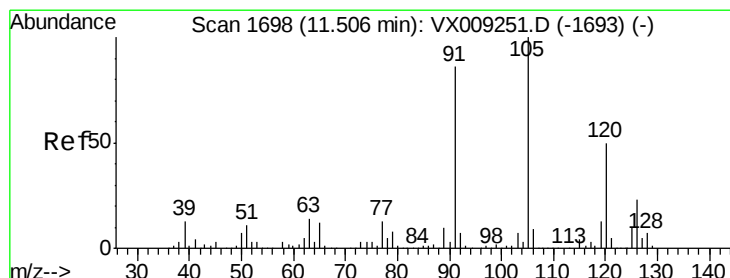
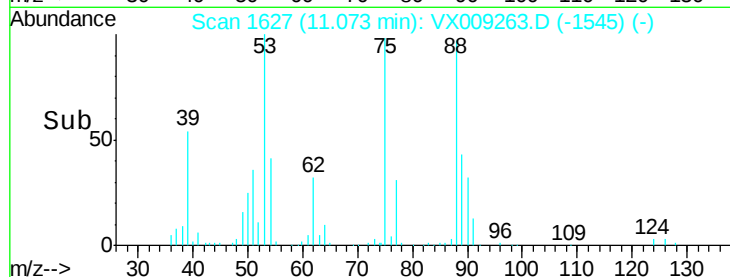
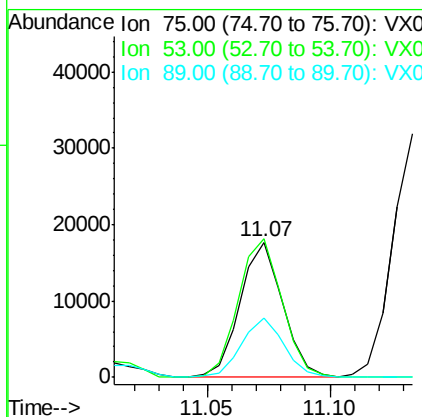
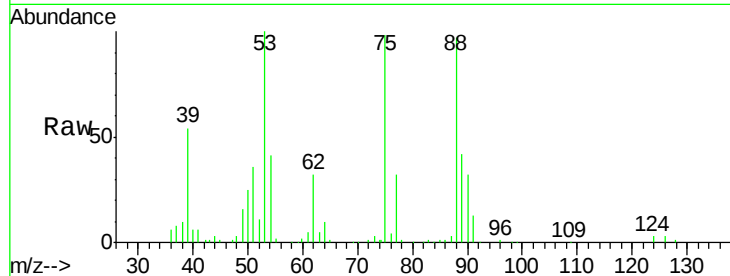
89 43.2 21.6 65.0

Manual Integrations

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5/2/2019 10:53:57 AM



#78

4-Chlorotoluene

Concen: 20.466 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009263.D

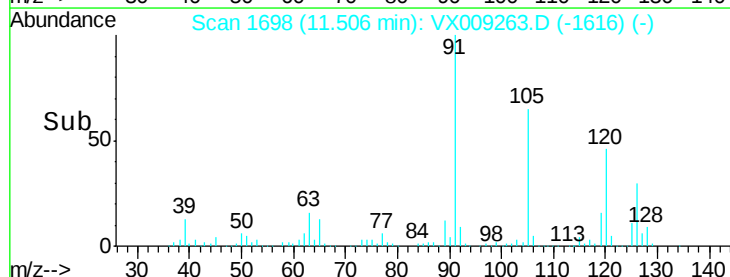
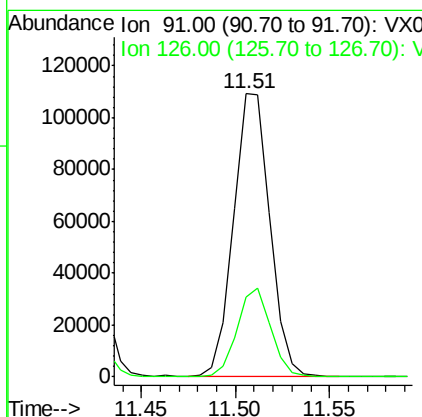
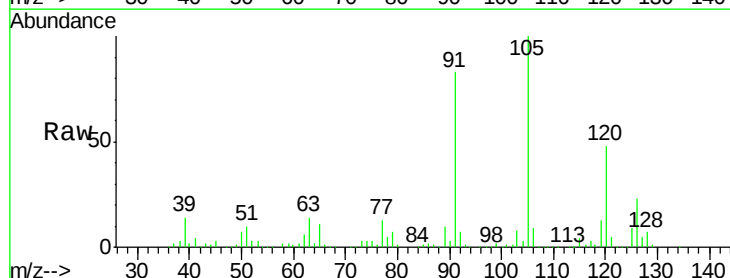
Acq: 01 May 2019 18:47

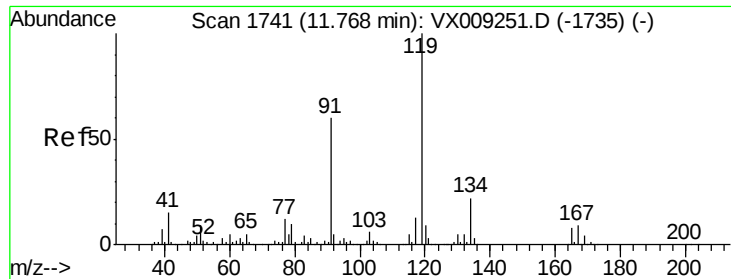
Tgt Ion: 91 Resp: 145989

Ion Ratio Lower Upper

91 100

126 29.0 0.0 57.0





#79

tert-butylbenzene

Concen: 20.638 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

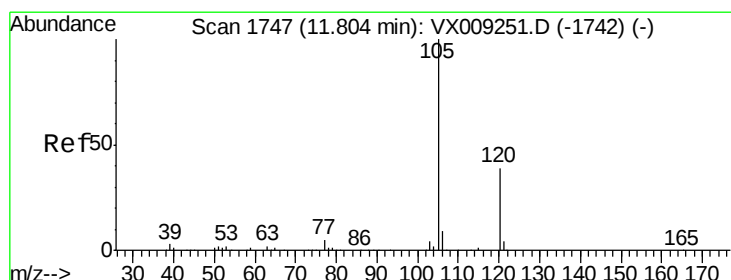
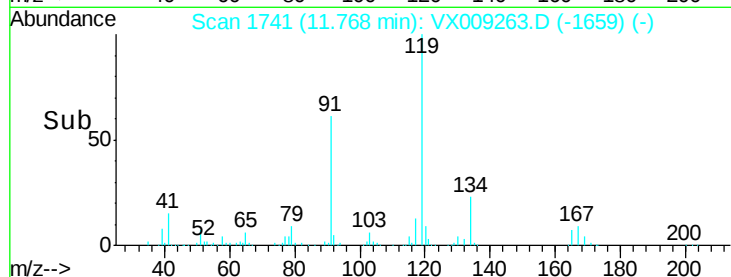
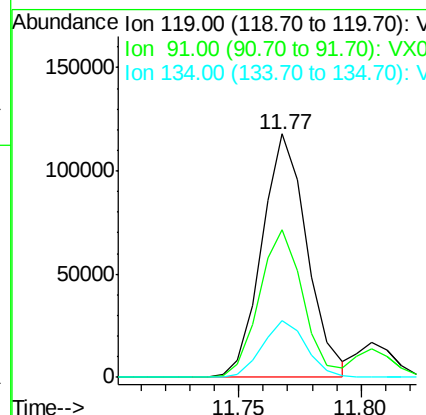
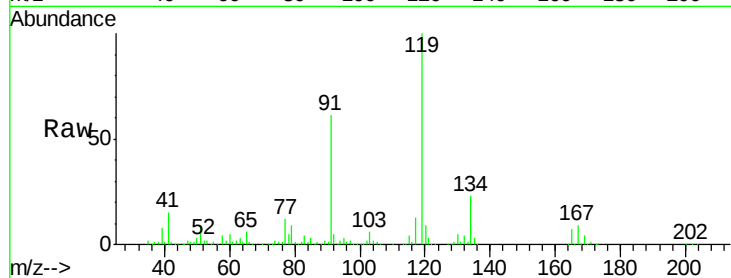
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 152711 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 59.1  | 0.0   | 118.2  |
| 134       | 22.7  | 0.0   | 45.0   |

Manual Integrations  
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#80

1,2,4-Trimethylbenzene

Concen: 20.552 ug/l

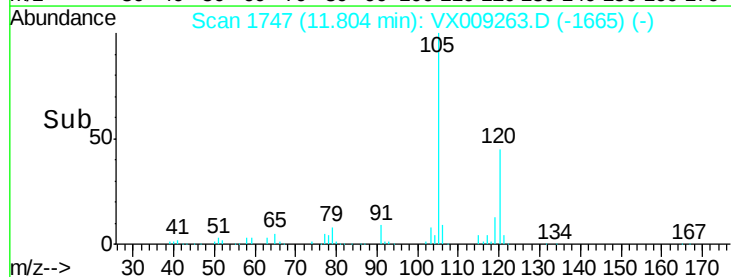
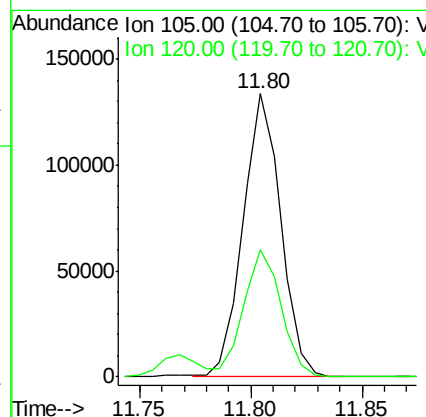
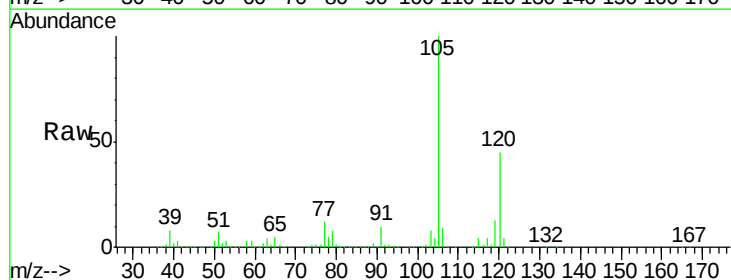
RT: 11.80 min Scan# 1747

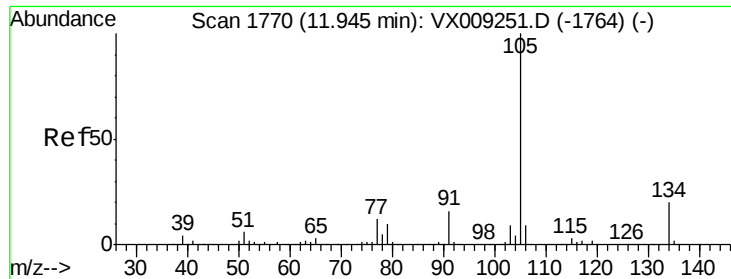
Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 157663 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.1  | 0.0   | 89.6   |





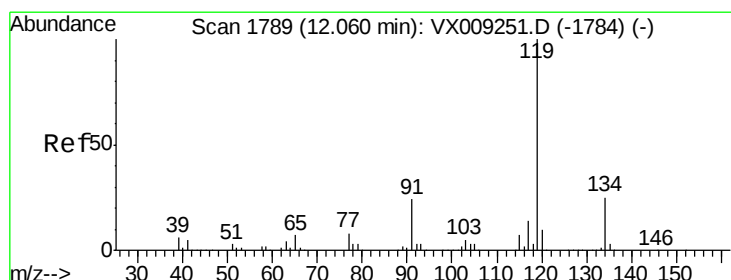
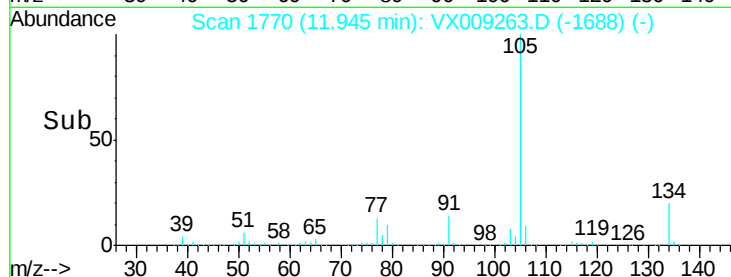
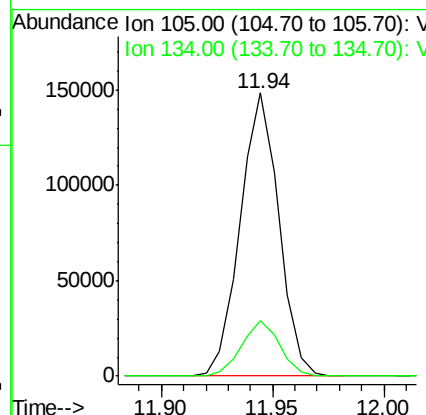
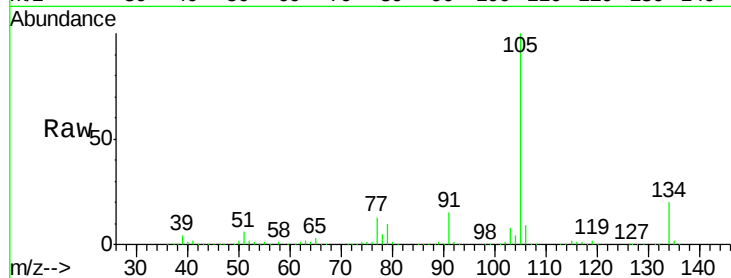
#81  
 sec-Butylbenzene  
 Concen: 20.307 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 0.0   | 38.6  |

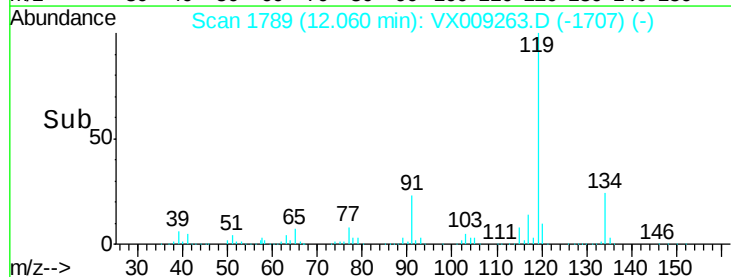
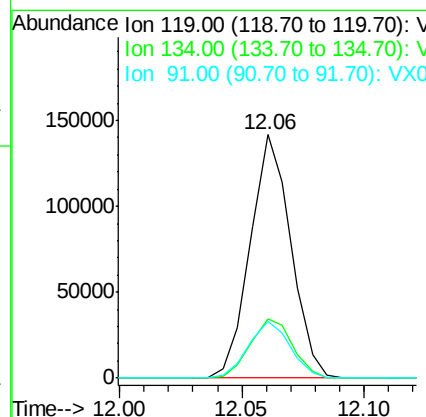
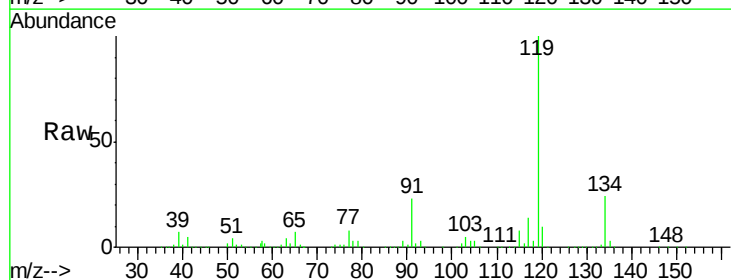
Manual Integrations  
 APPROVED

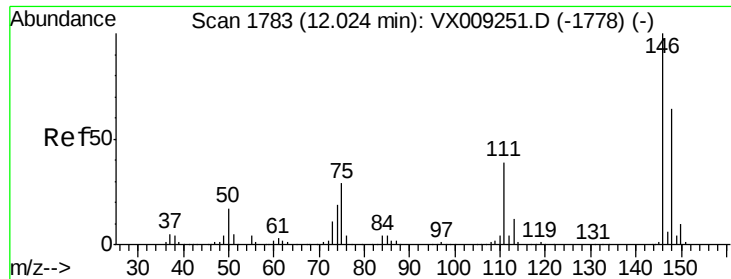
MMDadoda  
 5/2/2019 10:53:57 AM



#82  
 p-Isopropyltoluene  
 Concen: 20.338 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.6  | 0.0   | 50.8  |
| 91      | 24.0  | 0.0   | 47.2  |





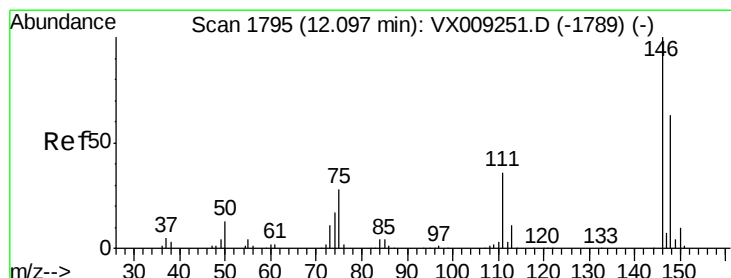
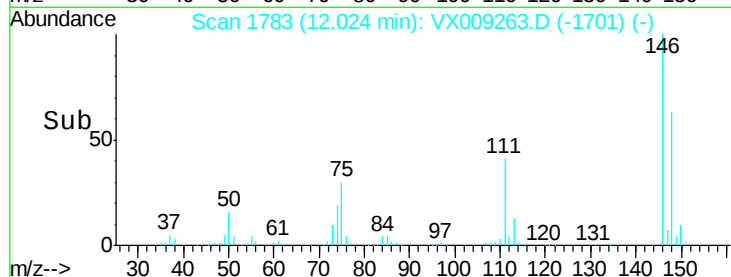
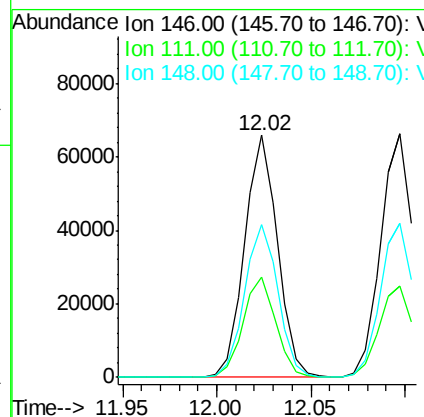
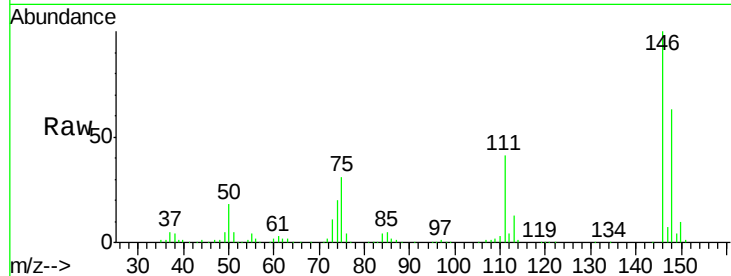
#83  
 1,3-Dichlorobenzene  
 Concen: 20.004 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.0  | 60.0  |
| 148     | 64.1  | 32.2  | 96.6  |

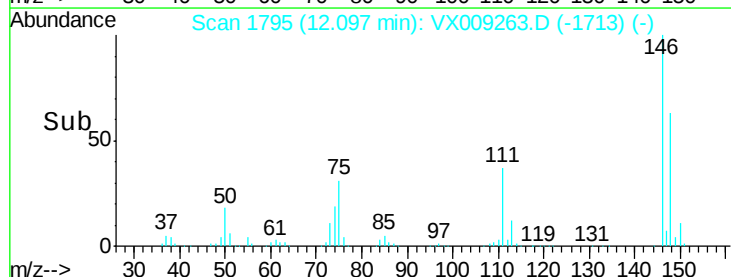
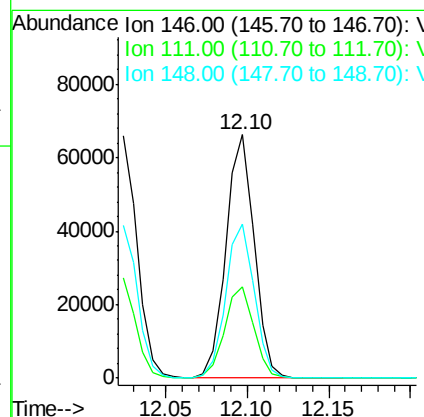
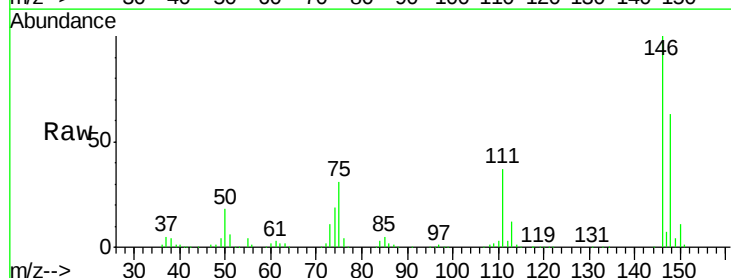
Manual Integrations  
 APPROVED

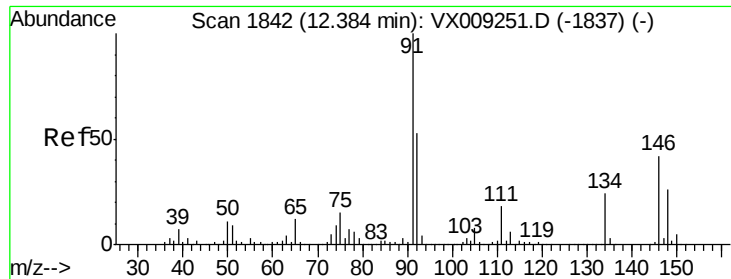
MMDadoda  
 5/2/2019 10:53:57 AM



#84  
 1,4-Dichlorobenzene  
 Concen: 20.160 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.6  | 58.7  |
| 148     | 64.0  | 32.3  | 96.8  |





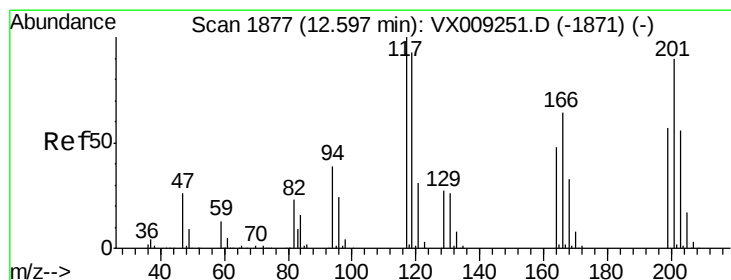
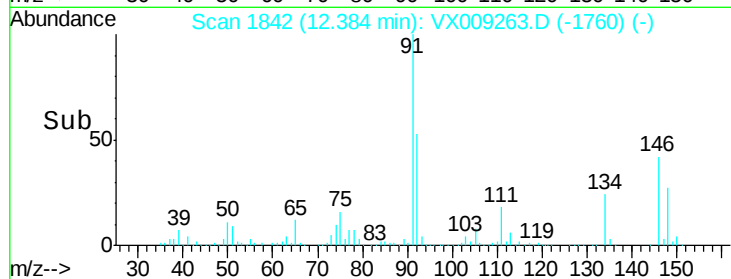
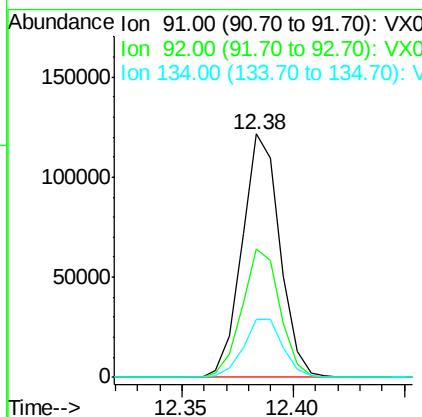
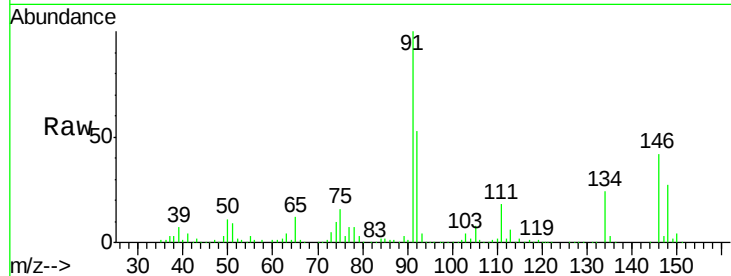
#85  
n-Butylbenzene  
Concen: 19.654 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 143817 |       |       |
| 92      | 53.1  | 0.0    | 106.6 |       |
| 134     | 24.9  | 0.0    | 50.0  |       |

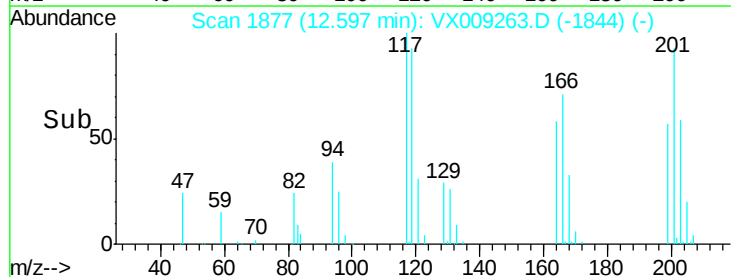
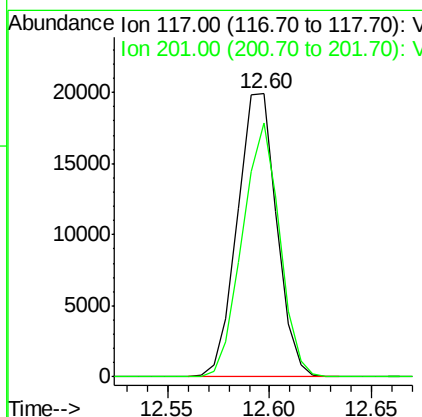
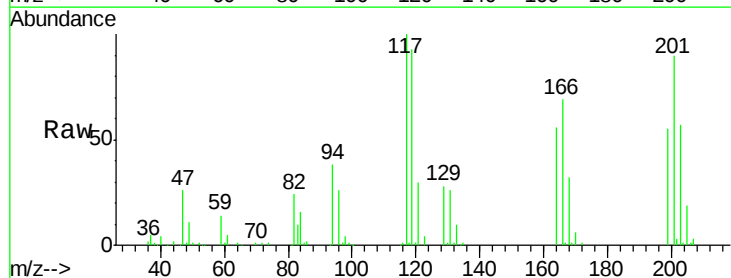
Manual Integrations  
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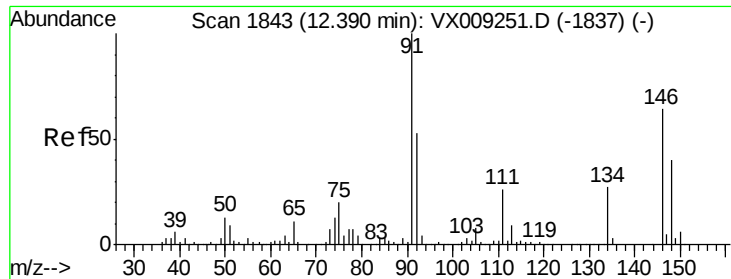
MMDadoda  
5/2/2019 10:53:57 AM



#86  
Hexachloroethane  
Concen: 19.622 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX009263.D  
Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 26701 |       |       |
| 201     | 84.8  | 41.8  | 125.4 |       |





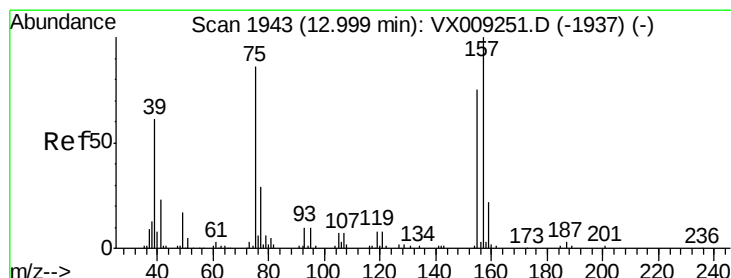
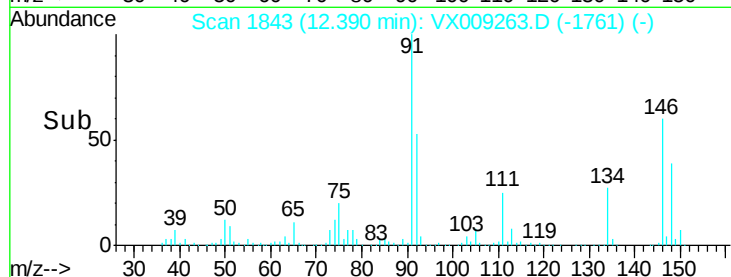
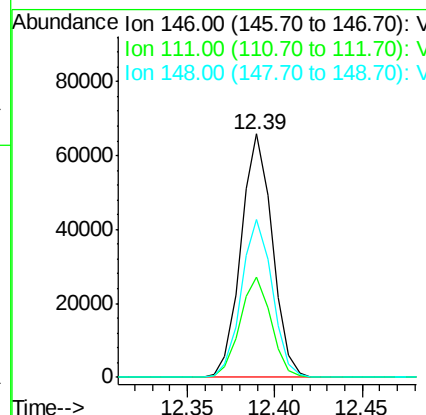
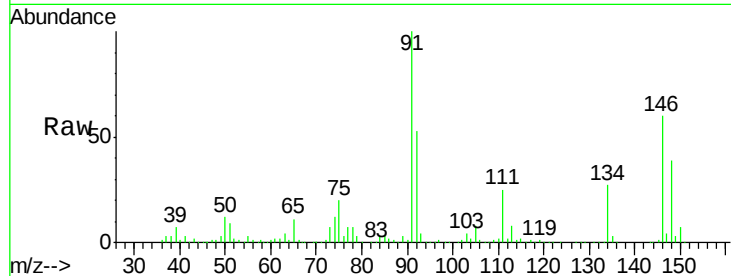
#87  
 1,2-Dichlorobenzene  
 Concen: 20.452 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 20.8  | 62.2  |
| 148     | 64.4  | 31.4  | 94.3  |

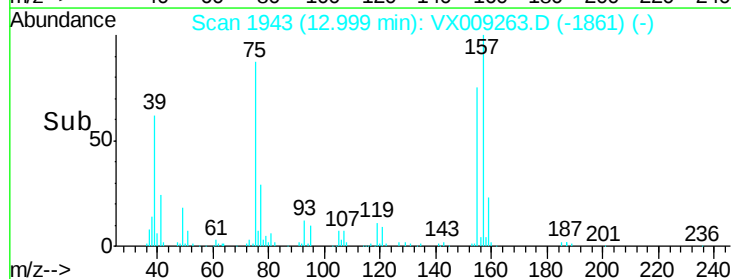
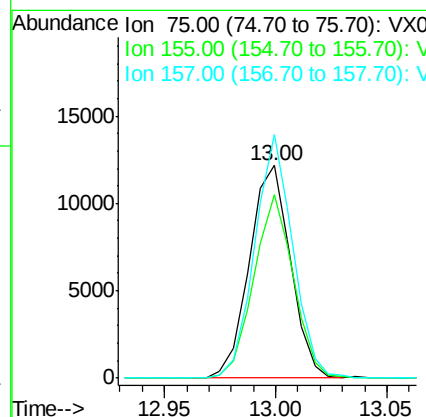
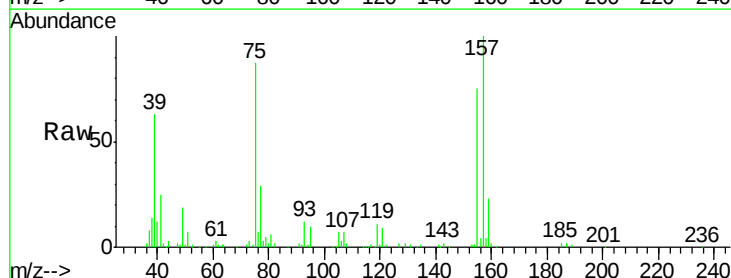
Manual Integrations  
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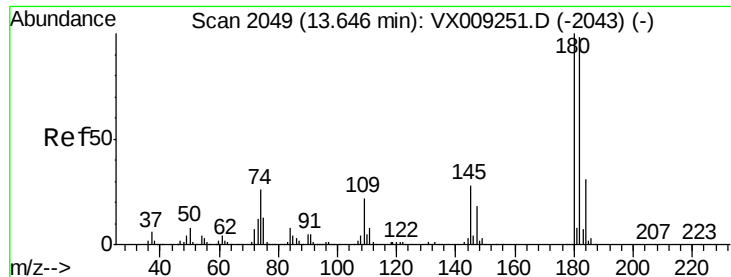
MMDadoda  
 5/2/2019 10:53:57 AM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.372 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.6  | 65.9  | 98.9  |
| 157     | 105.8 | 85.2  | 127.8 |





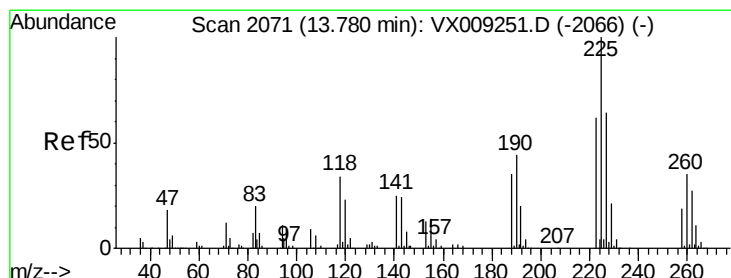
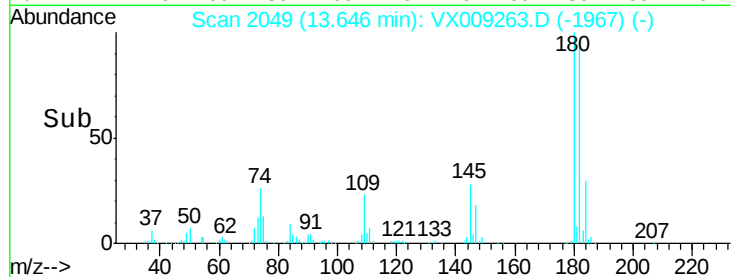
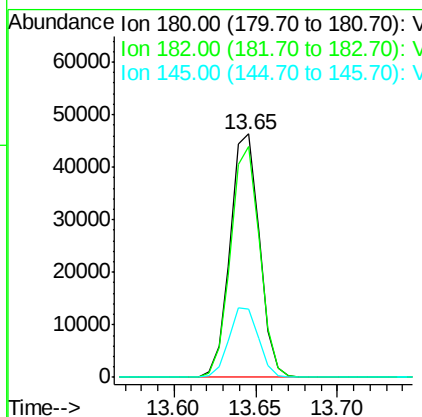
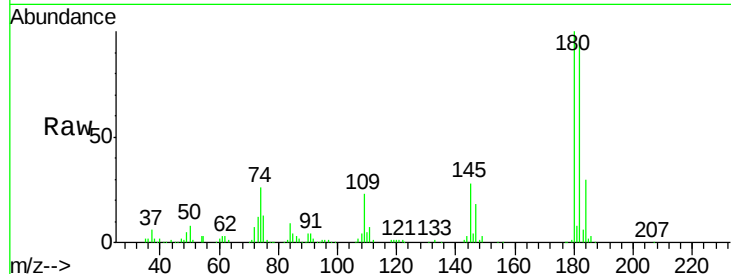
#89  
 1,2,4-Trichlorobenzene  
 Concen: 20.206 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 76.9  | 115.3 |
| 145     | 28.9  | 23.0  | 34.6  |

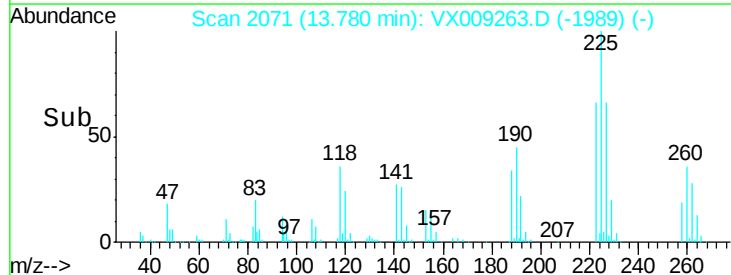
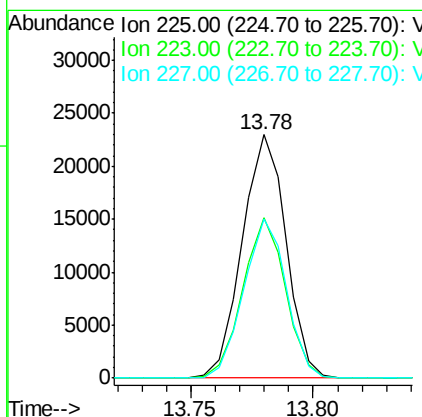
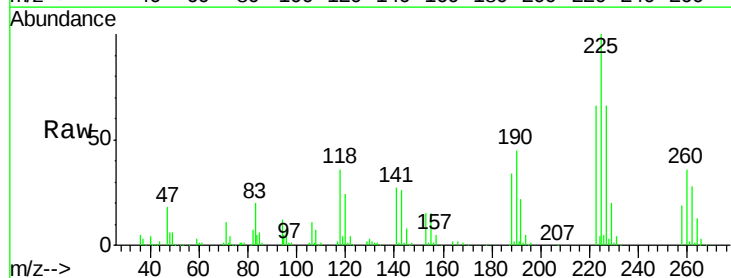
Manual Integrations  
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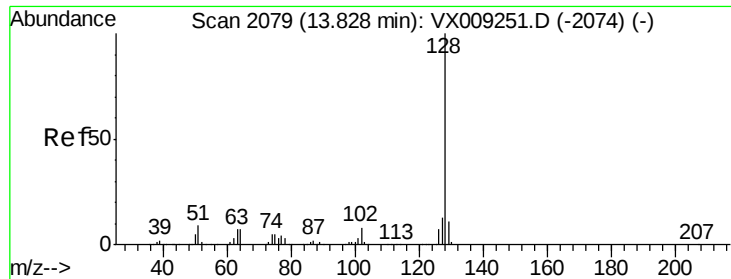
MMDadoda  
 5/2/2019 10:53:57 AM



#90  
 Hexachlorobutadiene  
 Concen: 19.960 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX009263.D  
 Acq: 01 May 2019 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 0.0   | 126.6 |
| 227     | 63.8  | 0.0   | 130.0 |





#91

Naphthalene

Concen: 21.041 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA\_X

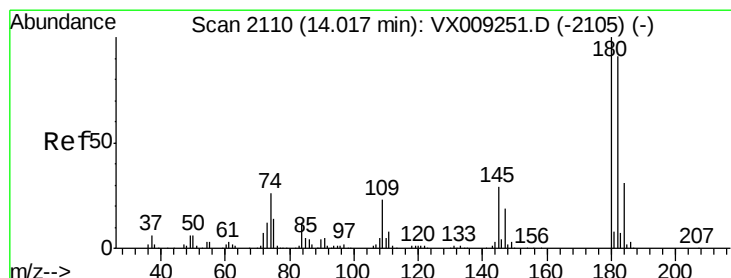
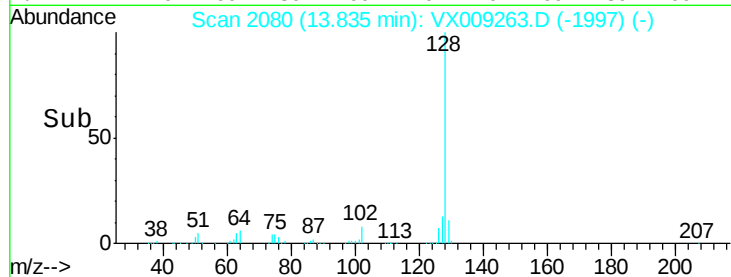
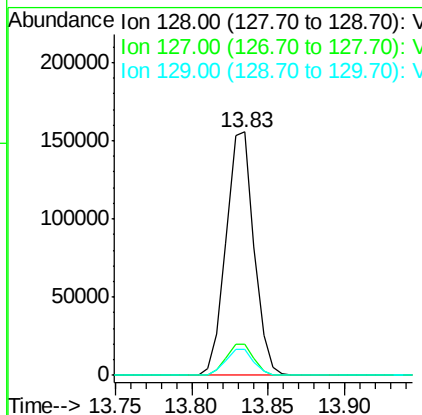
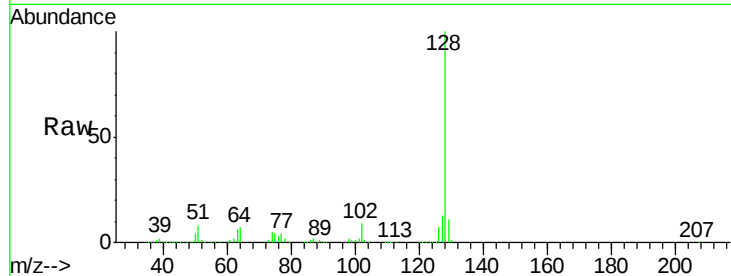
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 197067 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.5  | 15.7   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
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#92

1,2,3-Trichlorobenzene

Concen: 20.685 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 60150 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.1  | 0.0   | 189.0 |
| 145       | 30.8  | 0.0   | 61.6  |

