

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\  
 Data File : VX009556.D  
 Acq On : 14 May 2019 12:17  
 Operator : JC/SP  
 Sample : VX0514WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0514WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/15/2019 12:25:15 PM

Quant Time: May 15 08:22:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 161152   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 245459   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 224246   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 112024   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 110204   | 50.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.18% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 81934    | 53.10 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.20% |      |
| 50) Toluene-d8            | 8.71   | 98  | 331740   | 53.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.50% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 123245   | 54.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.90% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 26193  | 17.638 | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 38872  | 19.173 | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 37892  | 19.166 | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 23242  | 19.586 | ug/l | 98     |
| 6) Chloroethane               | 1.72 | 64  | 24076  | 18.968 | ug/l | 93     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 47575  | 19.797 | ug/l | 97     |
| 8) Diethyl Ether              | 2.18 | 74  | 22033  | 19.355 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 30251  | 20.045 | ug/l | 97     |
| 10) Methyl Iodide             | 2.51 | 142 | 31400  | 20.856 | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.04 | 59  | 41542  | 81.579 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 29154  | 19.281 | ug/l | 99     |
| 13) Acrolein                  | 2.29 | 56  | 32465  | 70.397 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 68469  | 18.581 | ug/l | 99     |
| 15) Acrylonitrile             | 3.14 | 53  | 112453 | 90.317 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 111062 | 94.019 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.57 | 76  | 80393  | 18.937 | ug/l | 99     |
| 18) Methyl Acetate            | 2.77 | 43  | 50015  | 17.803 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 112526 | 19.164 | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 36001  | 18.823 | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 31814  | 19.401 | ug/l | 98     |
| 22) Diisopropyl ether         | 3.85 | 45  | 136867 | 19.314 | ug/l | 93     |
| 23) Vinyl Acetate             | 3.81 | 43  | 593777 | 97.849 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 65815  | 18.826 | ug/l | 99     |
| 25) 2-Butanone                | 4.67 | 43  | 167488 | 91.241 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 50129  | 19.265 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 38013  | 19.421 | ug/l | 99     |
| 28) Bromochloromethane        | 5.01 | 49  | 25232  | 16.070 | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.12 | 42  | 108528 | 91.877 | ug/l | 100    |
| 30) Chloroform                | 5.20 | 83  | 61334  | 19.398 | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 65229  | 20.055 | ug/l | 93     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 51115  | 19.420 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 46011  | 20.171 | ug/l | 98     |
| 37) Ethyl Acetate             | 4.82 | 43  | 61626  | 19.390 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 42403  | 20.460 | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\  
 Data File : VX009556.D  
 Acq On : 14 May 2019 12:17  
 Operator : JC/SP  
 Sample : VX0514WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0514WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/15/2019 12:25:15 PM

Quant Time: May 15 08:22:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 60356    | 21.545  | ug/l   | 99       |
| 40) Benzene                    | 6.14  | 78   | 144872   | 20.521  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.04  | 41   | 36125    | 19.095  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 52218    | 20.620  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.43  | 43   | 99183    | 19.510  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 35229    | 20.642  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 40295    | 20.158  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 23584    | 20.317  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 46718    | 20.176  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 49834    | 19.758  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.73  | 88   | 17838    | 348.744 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 325514   | 97.963  | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 89972    | 20.966  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 53500    | 20.465  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 59658    | 20.617  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 35977    | 20.550  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 62084    | 19.866  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 62950    | 20.433  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 137579   | 82.984  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 252142   | 96.617  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 34332    | 20.078  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 36049    | 20.398  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 32130    | 20.888  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.13 | 112  | 92807    | 20.688  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 32694    | 20.103  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 171365   | 20.757  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.35 | 106  | 124663   | 41.321  | ug/l   | 97       |
| 69) o-Xylene                   | 10.69 | 106  | 60460    | 20.311  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 105206   | 20.335  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 25590    | 19.362  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 165214   | 20.281  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 88499    | 18.634  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 58058    | 19.118  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 50968m   | 19.614  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 40318    | 19.940  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 189905   | 20.412  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 114267   | 19.908  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 139898   | 20.396  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 18684    | 18.397  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 131275   | 20.245  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 133779   | 20.049  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 141378   | 20.535  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 161846   | 20.459  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 146431   | 20.590  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 73143    | 20.292  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 73553    | 20.240  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 133439   | 20.759  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 23520    | 19.412  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 72874    | 19.850  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 12242    | 17.970  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\  
Data File : VX009556.D  
Acq On : 14 May 2019 12:17  
Operator : JC/SP  
Sample : VX0514WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

Manual Integrations  
APPROVED

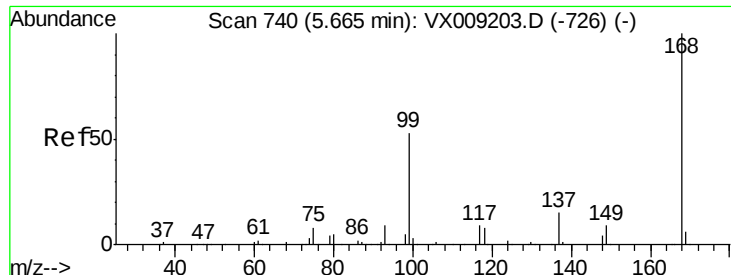
MMDadoda  
5/15/2019 12:25:15 PM

Quant Time: May 15 08:22:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 51941    | 20.689 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 26928    | 21.004 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 160974   | 19.708 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 53011    | 20.831 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion:168 Resp: 161152

Ion Ratio Lower Upper

168 100

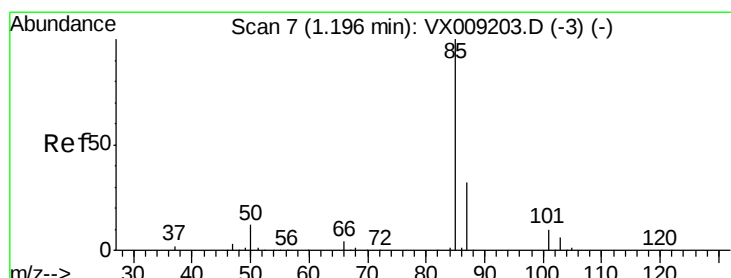
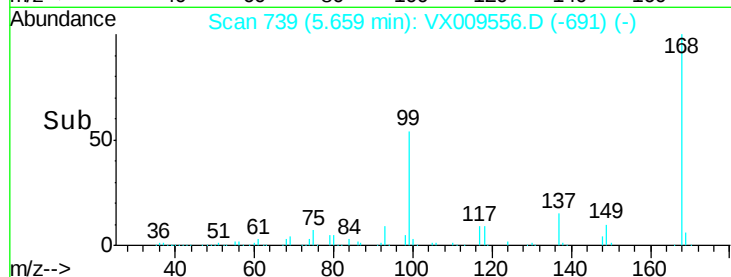
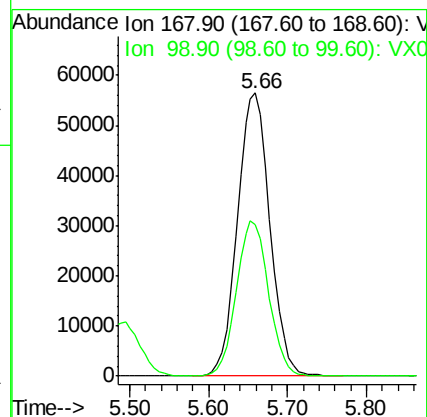
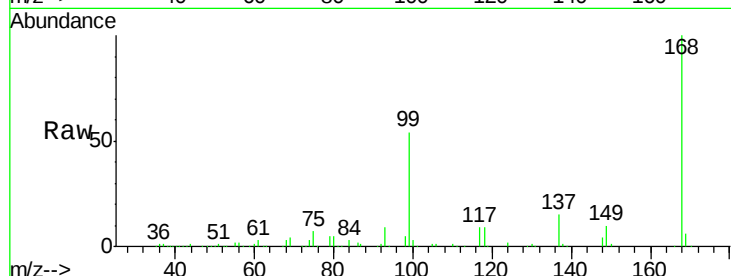
99 53.6 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

5/15/2019 12:25:15 PM



#2

Dichlorodifluoromethane

Concen: 17.638 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009556.D

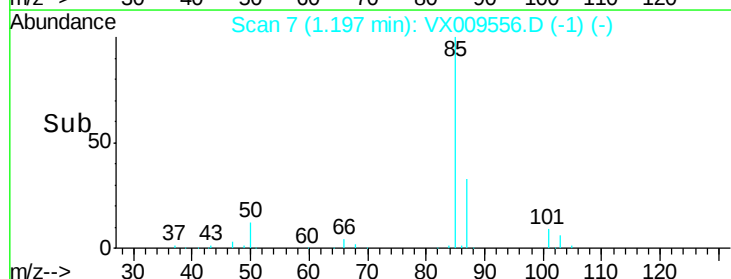
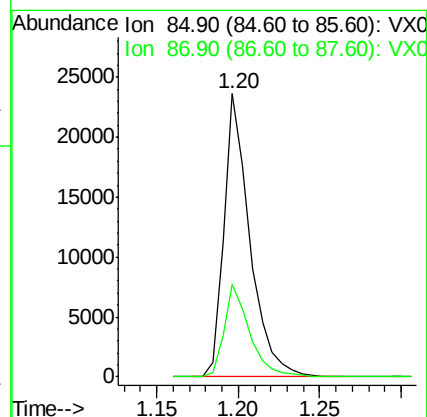
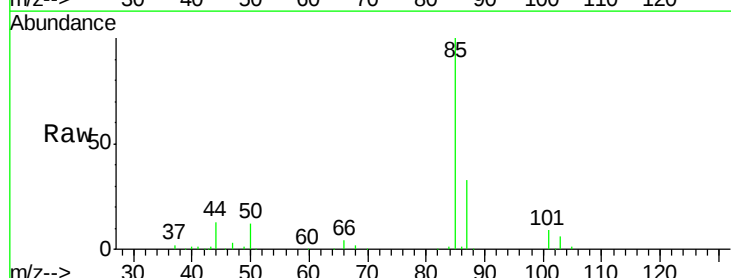
Acq: 14 May 2019 12:17

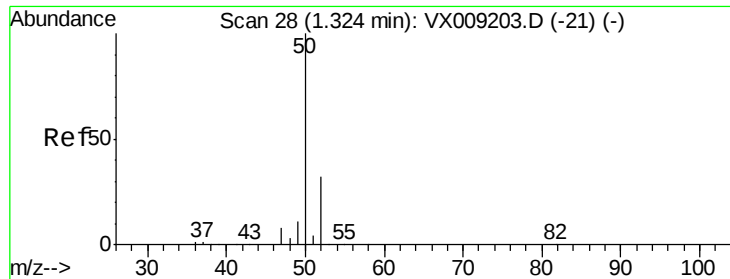
Tgt Ion: 85 Resp: 26193

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3





#3

Chloromethane

Concen: 19.173 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 50 Resp: 38872

Ion Ratio Lower Upper

50 100

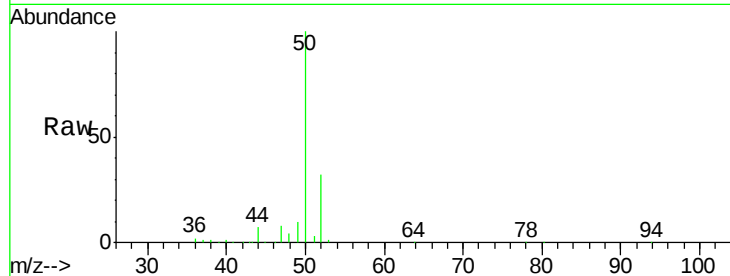
52 31.7 25.9 38.9

Manual Integrations

APPROVED

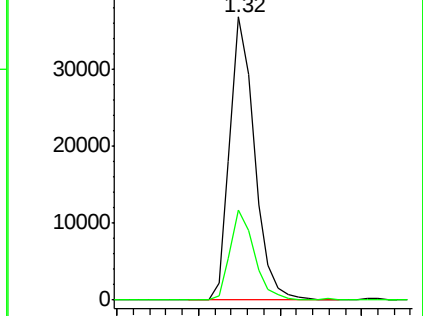
MMDadoda

5/15/2019 12:25:15 PM

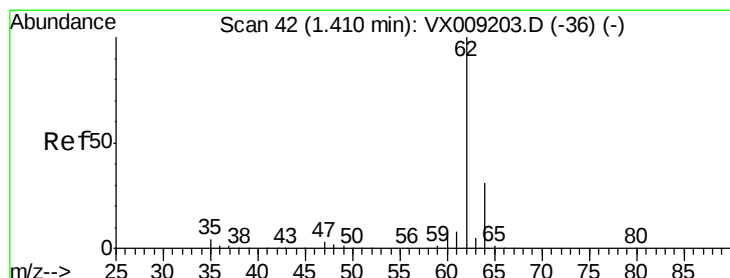
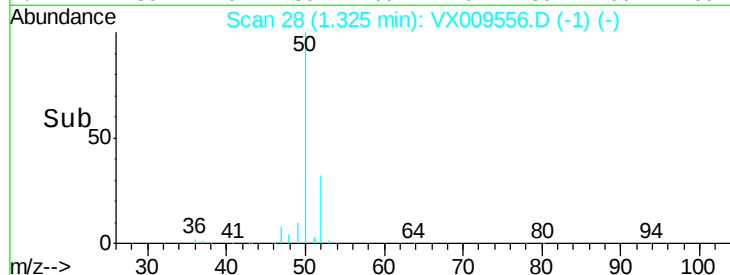


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.166 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009556.D

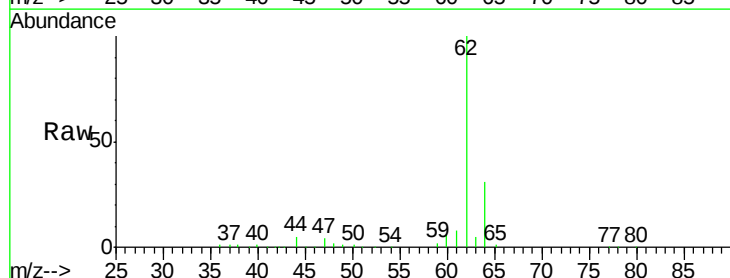
Acq: 14 May 2019 12:17

Tgt Ion: 62 Resp: 37892

Ion Ratio Lower Upper

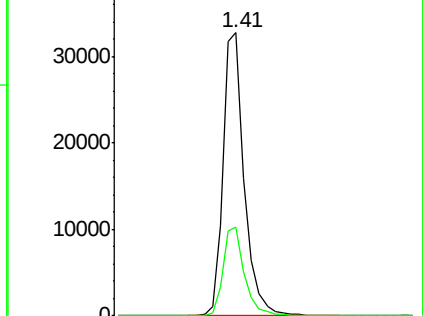
62 100

64 30.9 24.6 36.8

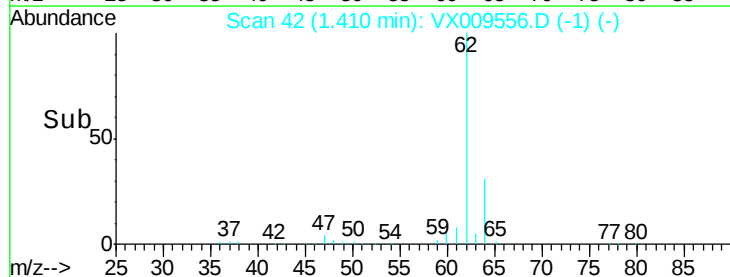


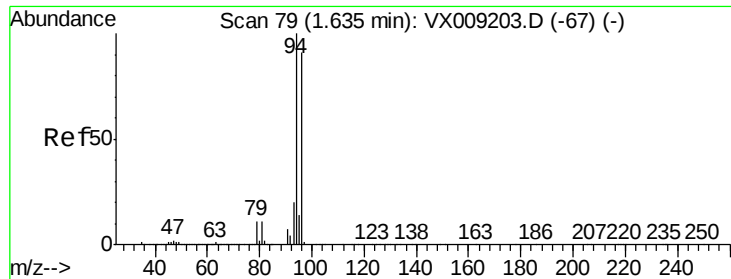
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 19.586 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 94 Resp: 23242

Ion Ratio Lower Upper

94 100

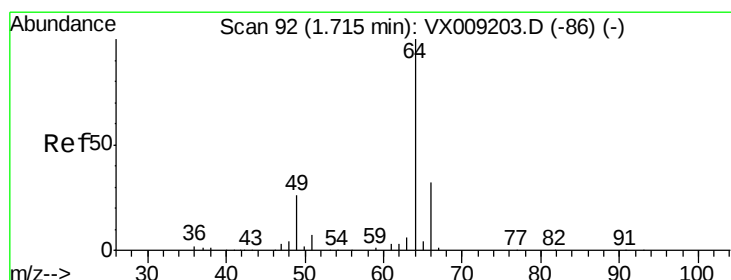
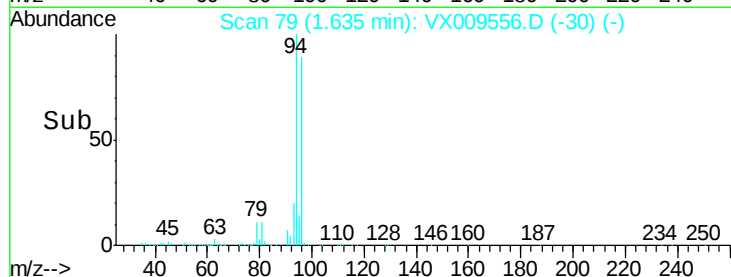
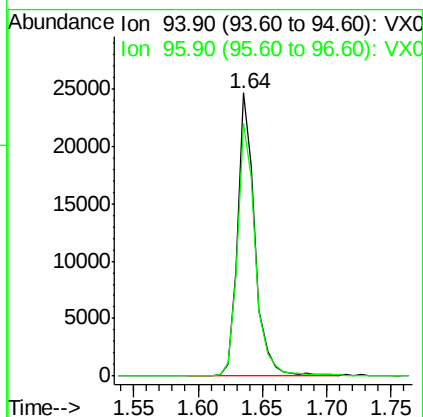
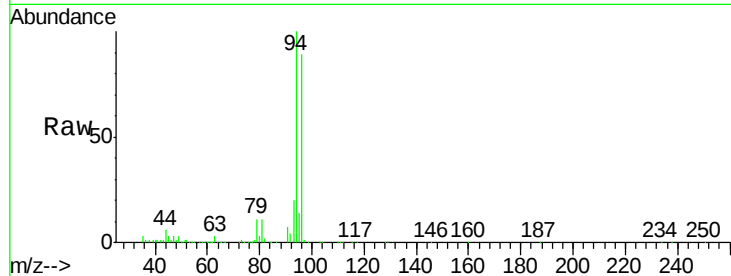
96 89.1 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

5/15/2019 12:25:15 PM



#6

Chloroethane

Concen: 18.968 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009556.D

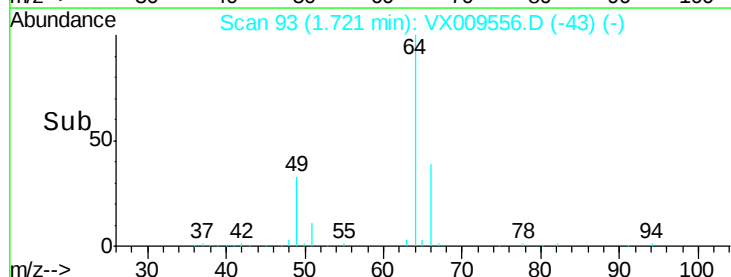
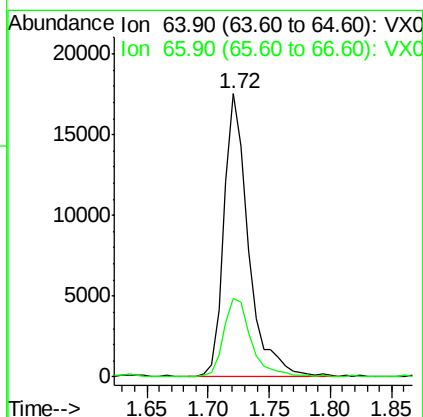
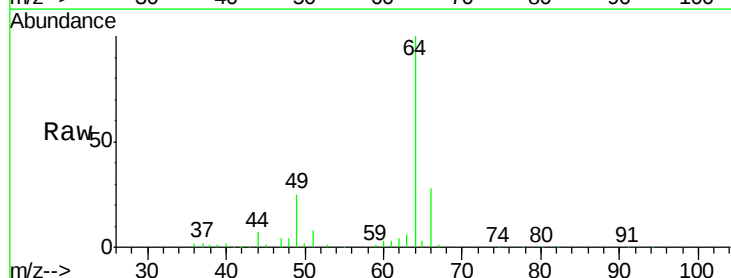
Acq: 14 May 2019 12:17

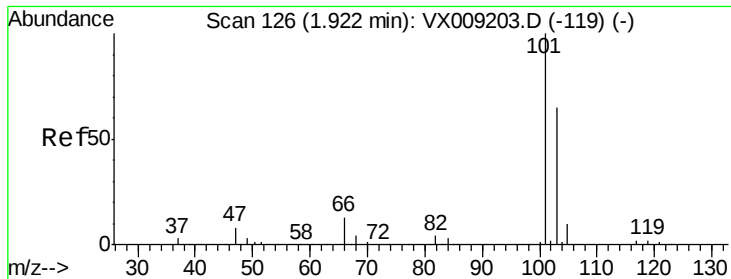
Tgt Ion: 64 Resp: 24076

Ion Ratio Lower Upper

64 100

66 27.8 25.3 37.9





#7

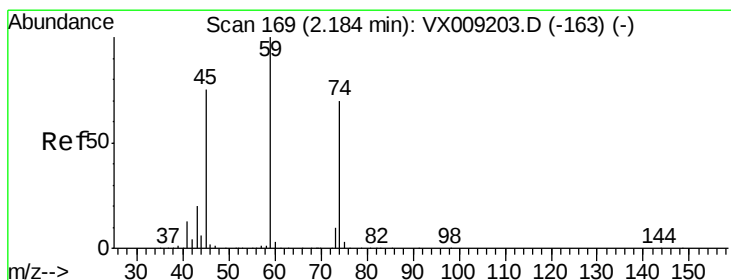
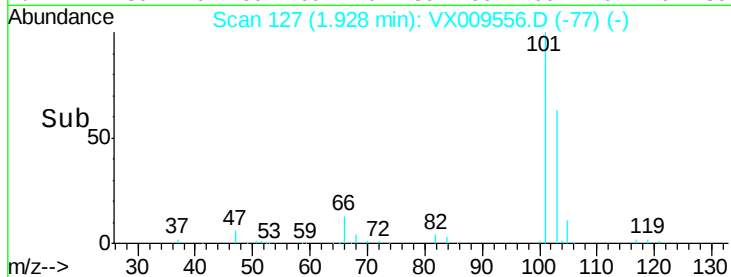
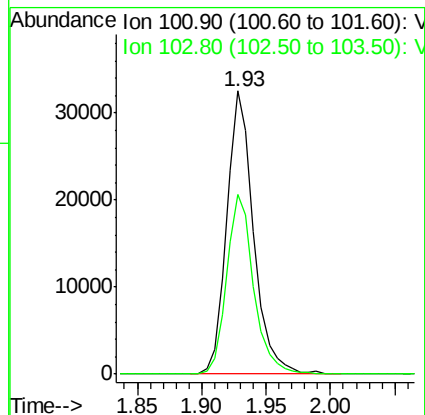
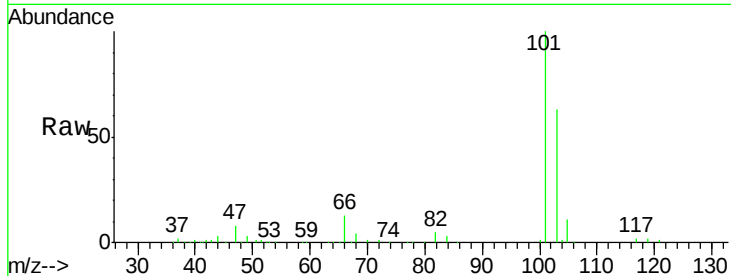
Trichlorofluoromethane  
 Concen: 19.797 ug/l  
 RT: 1.93 min Scan# 127  
 Delta R.T. 0.01 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0514WBS01

Tot Ion:101 Resp: 47575  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 52.4 78.6

Manual Integrations  
 APPROVED

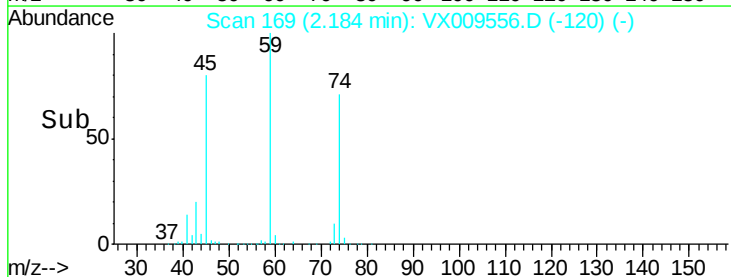
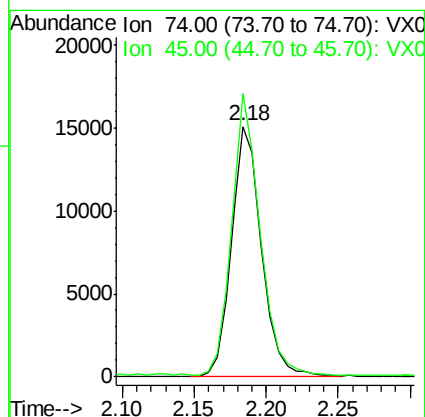
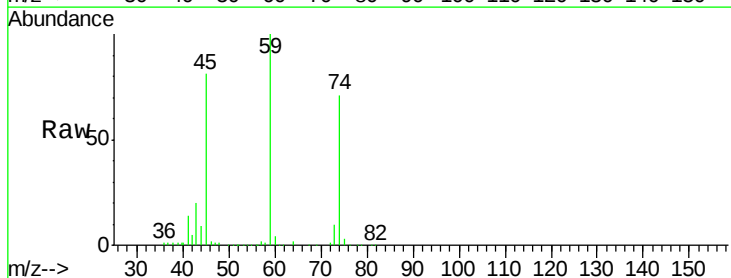
MMDadoda  
 5/15/2019 12:25:15 PM

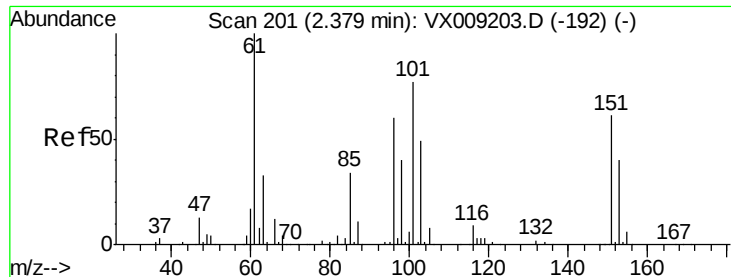


#8

Diethyl Ether  
 Concen: 19.355 ug/l  
 RT: 2.18 min Scan# 169  
 Delta R.T. 0.00 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

Tgt Ion: 74 Resp: 22033  
 Ion Ratio Lower Upper  
 74 100  
 45 105.9 53.3 159.9





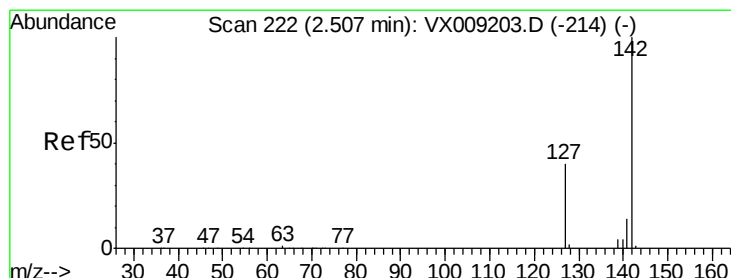
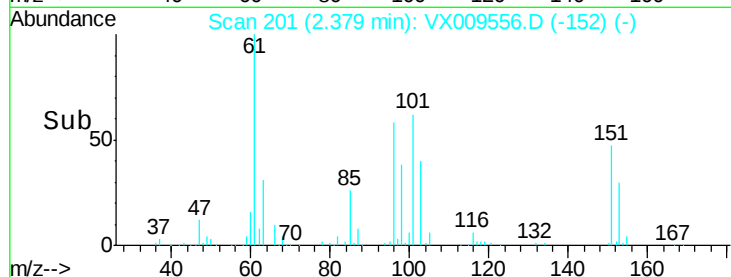
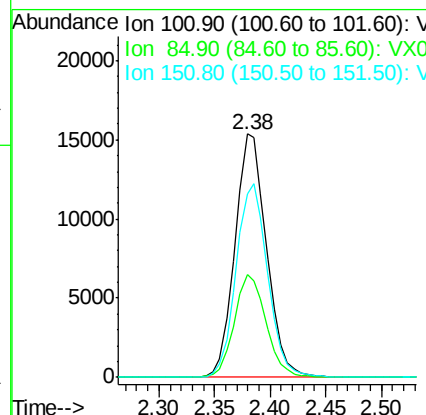
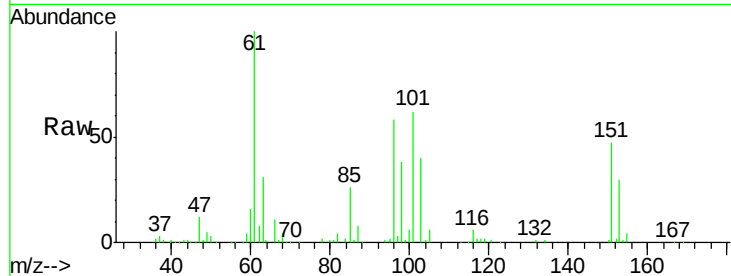
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.045 ug/l  
RT: 2.38 min Scan# 201  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 30251 |       |       |
| 85      | 42.4  |       | 35.7  | 53.5  |
| 151     | 79.7  |       | 62.2  | 93.2  |

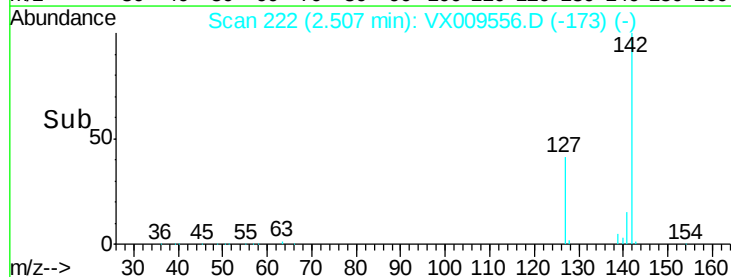
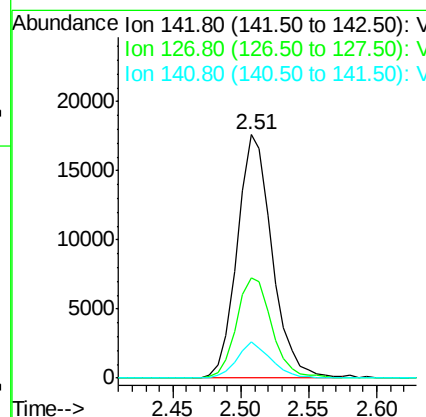
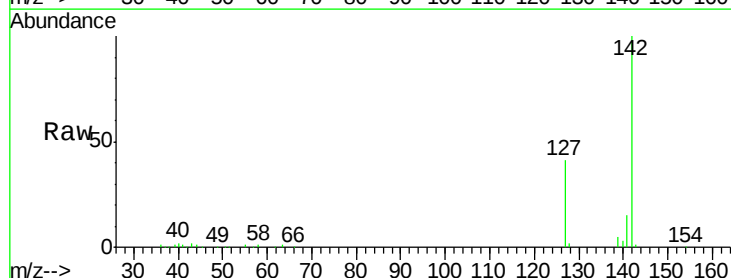
Manual Integrations  
APPROVED

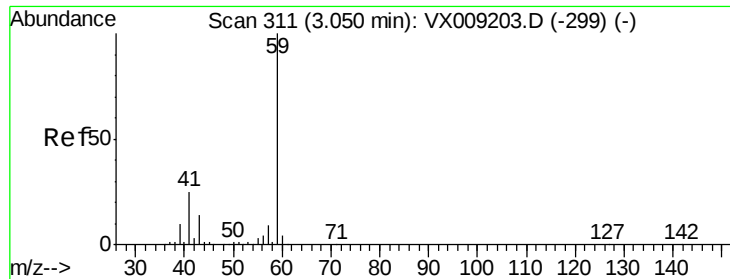
MMDadoda  
5/15/2019 12:25:15 PM



#10  
Methyl Iodide  
Concen: 20.856 ug/l  
RT: 2.51 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 31400 |       |       |
| 127     | 42.2  |       | 32.7  | 49.1  |
| 141     | 14.5  |       | 11.5  | 17.3  |





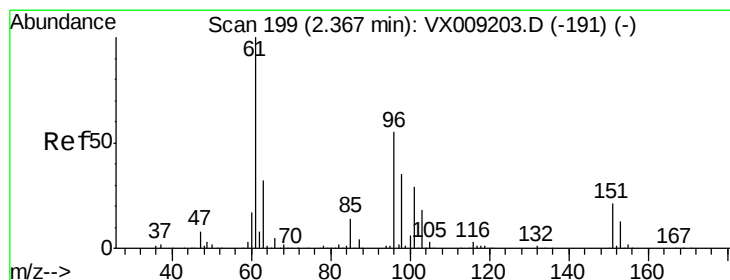
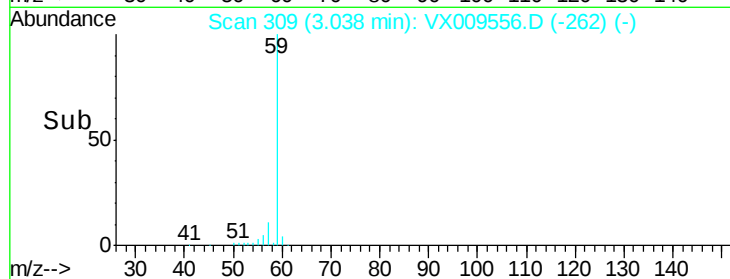
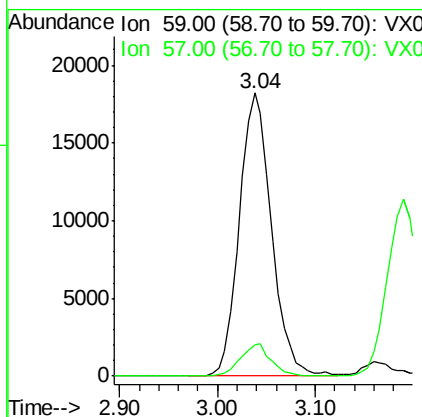
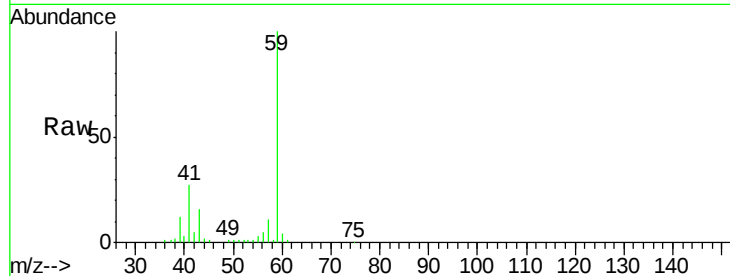
#11  
Tert butyl alcohol  
Concen: 81.579 ug/l  
RT: 3.04 min Scan# 309  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

Tot Ion: 59 Resp: 41542  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.2 12.2

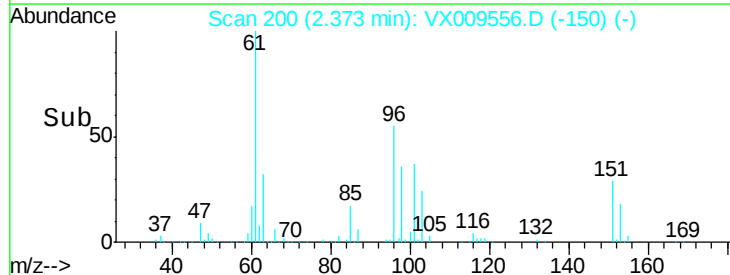
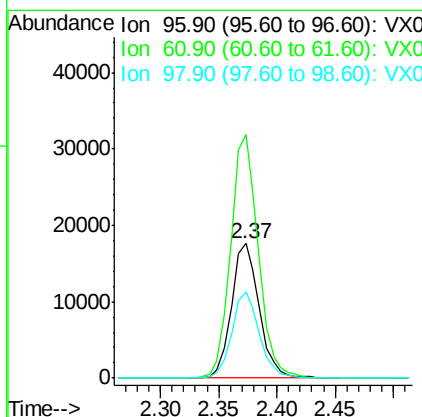
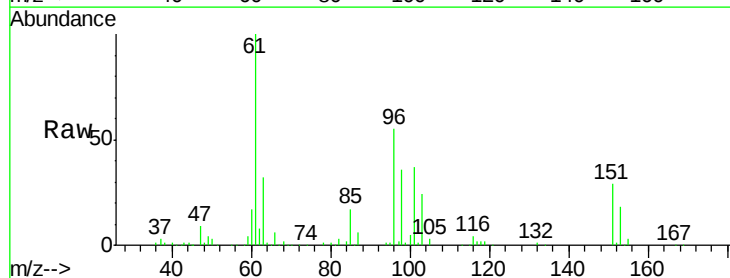
Manual Integrations  
APPROVED

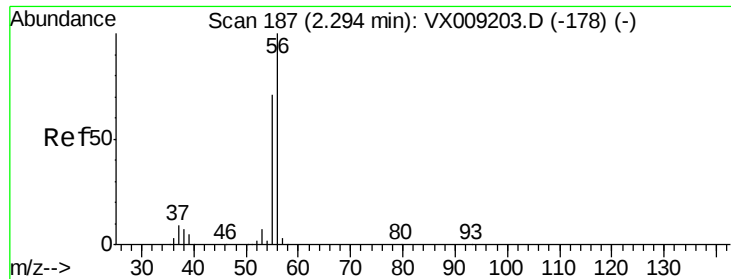
MMDadoda  
5/15/2019 12:25:15 PM



#12  
1,1-Dichloroethene  
Concen: 19.281 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. 0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Tgt Ion: 96 Resp: 29154  
Ion Ratio Lower Upper  
96 100  
61 181.1 144.3 216.5  
98 64.4 50.3 75.5





#13

Acrolein

Concen: 70.397 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 56 Resp: 32465

Ion Ratio Lower Upper

56 100

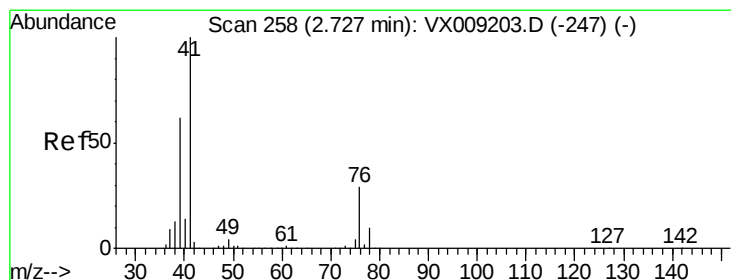
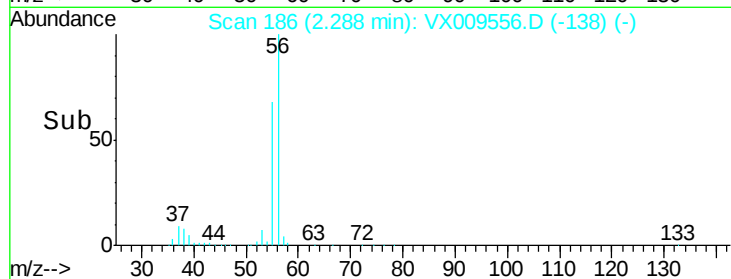
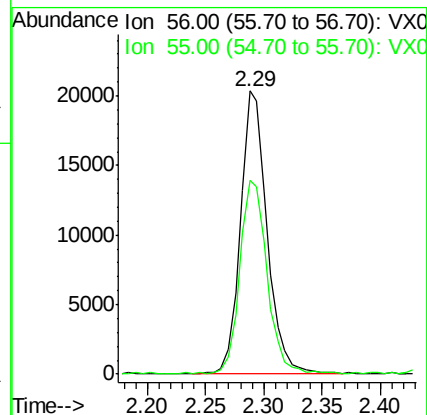
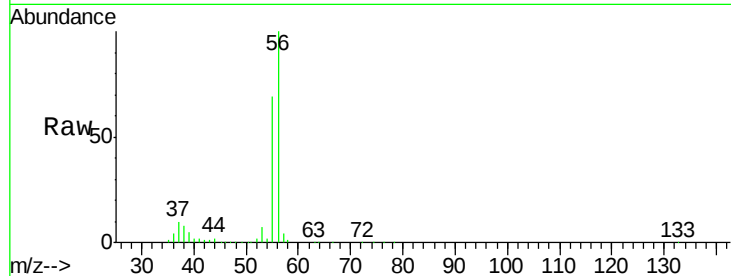
55 71.0 56.6 85.0

Manual Integrations

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MMDadoda

5/15/2019 12:25:15 PM



#14

Allyl chloride

Concen: 18.581 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

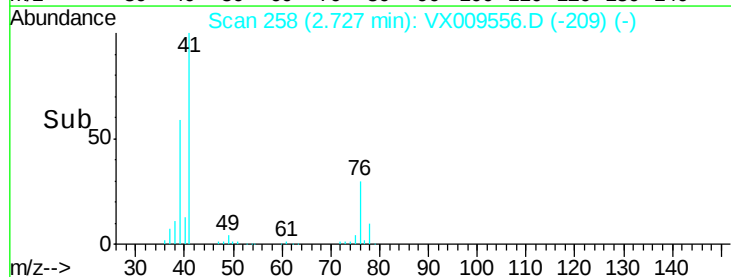
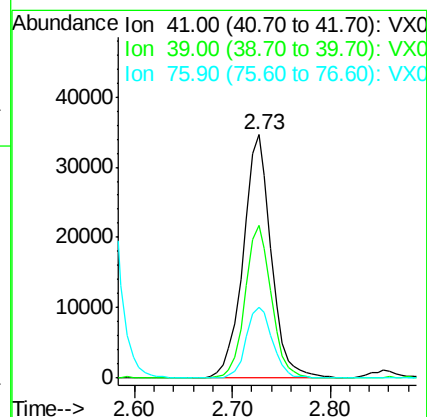
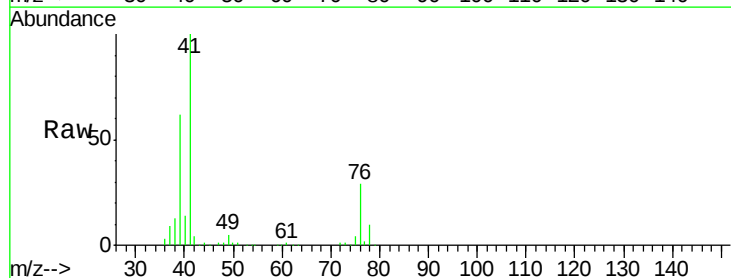
Tgt Ion: 41 Resp: 68469

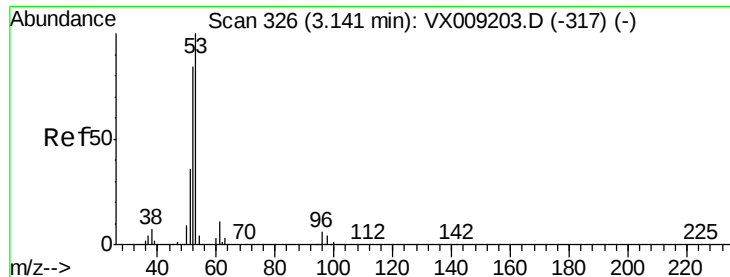
Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

76 27.4 21.8 32.8





#15

Acrylonitrile

Concen: 90.317 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

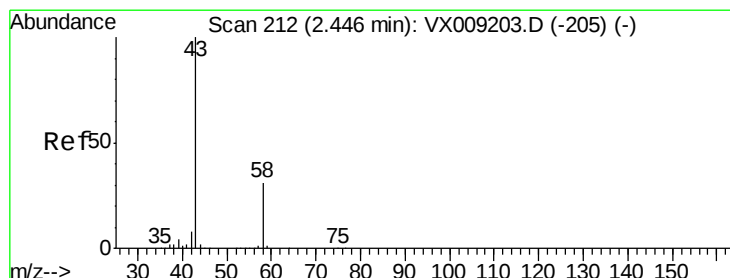
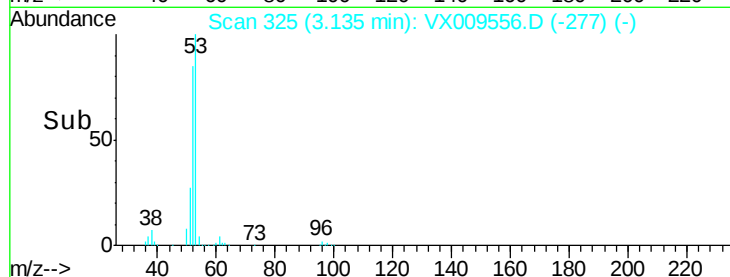
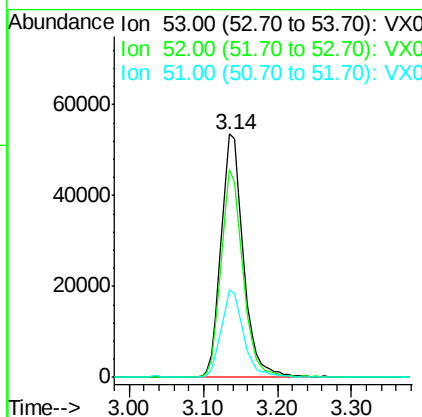
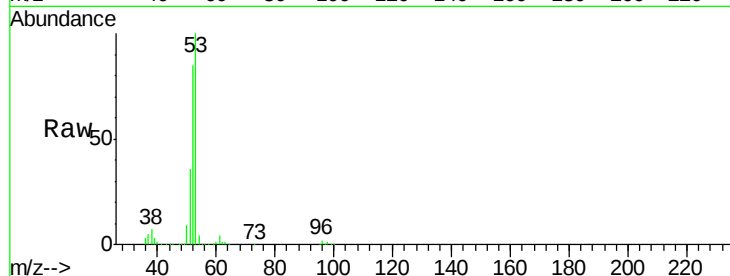
ClientSampleId :

VX0514WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 112453 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.2  | 66.9  | 100.3  |
| 51        | 35.7  | 28.2  | 42.2   |

Manual Integrations  
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#16

Acetone

Concen: 94.019 ug/l

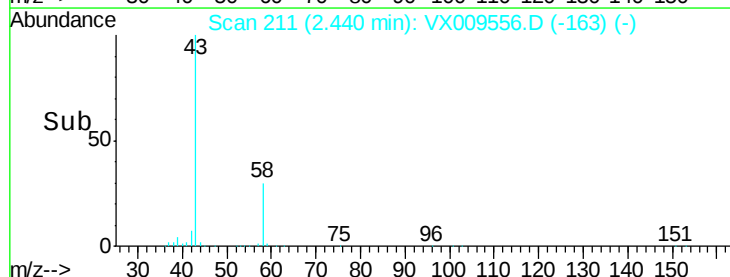
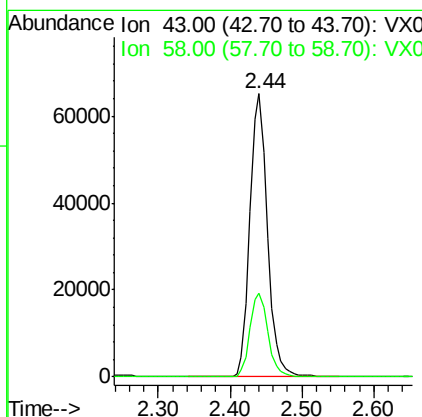
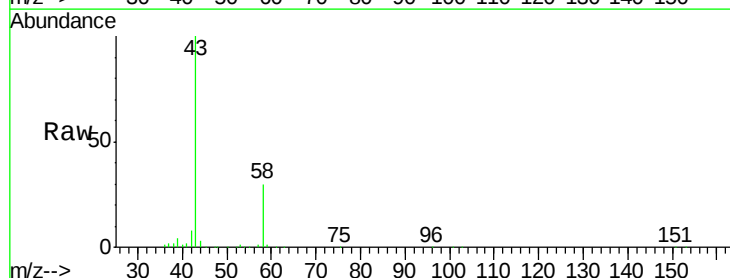
RT: 2.44 min Scan# 211

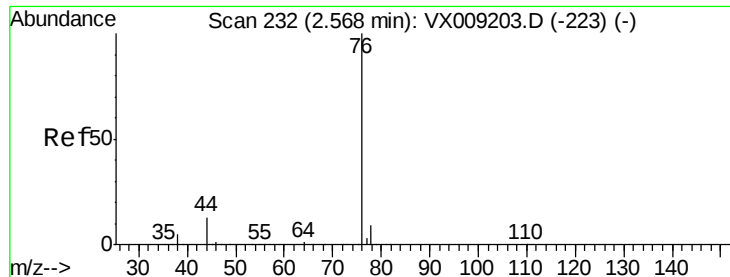
Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 111062 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 29.7  | 24.9  | 37.3   |





#17

Carbon Disulfide

Concen: 18.937 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 76 Resp: 80393

Ion Ratio Lower Upper

76 100

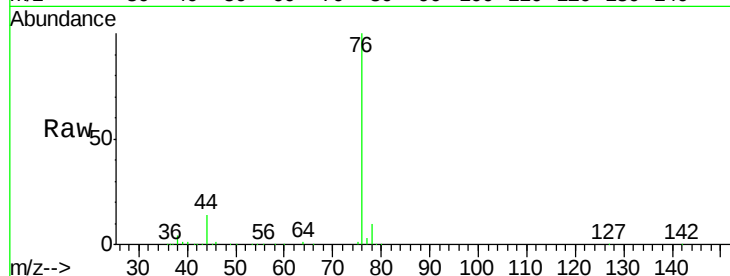
78 9.6 7.4 11.0

Manual Integrations

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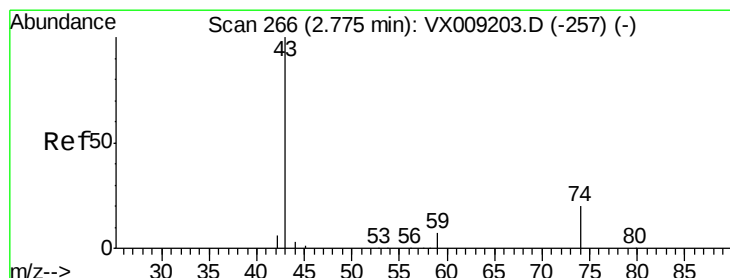
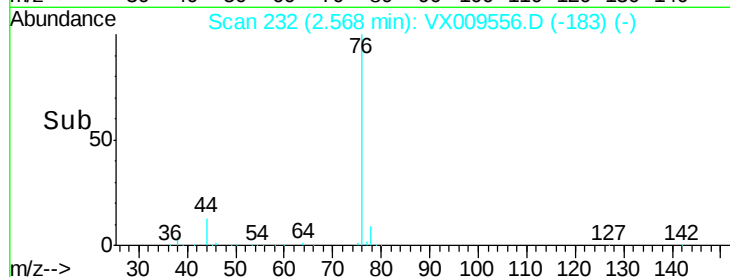
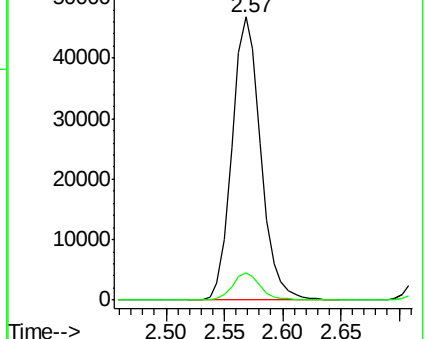
MMDadoda

5/15/2019 12:25:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.803 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009556.D

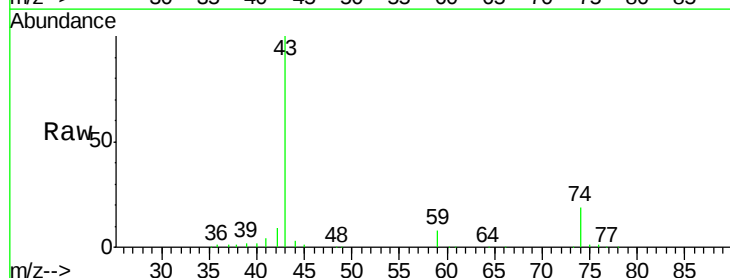
Acq: 14 May 2019 12:17

Tgt Ion: 43 Resp: 50015

Ion Ratio Lower Upper

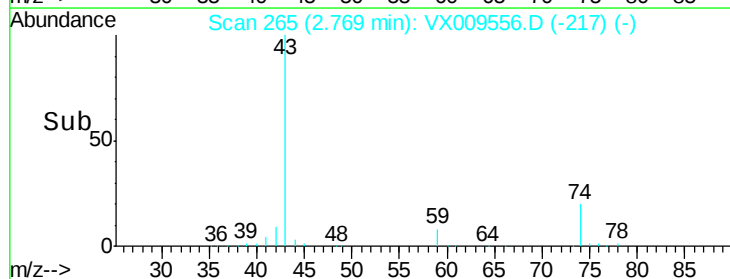
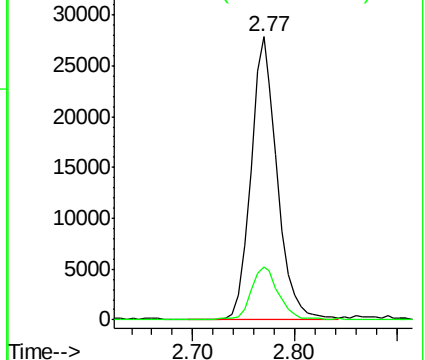
43 100

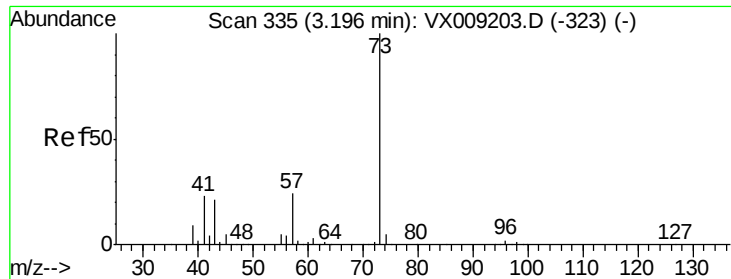
74 19.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





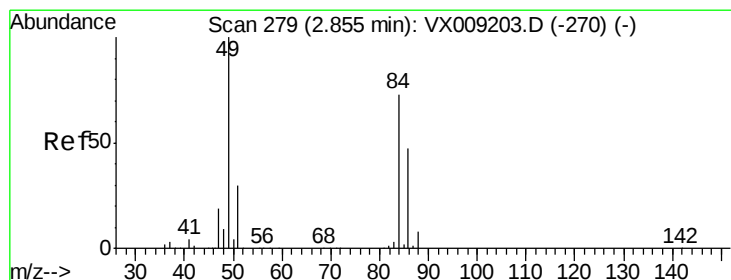
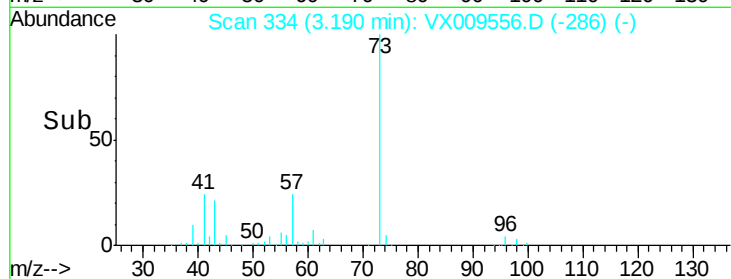
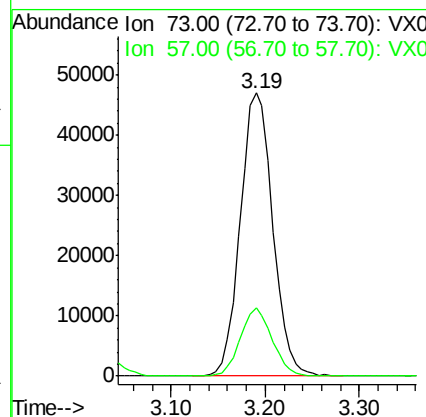
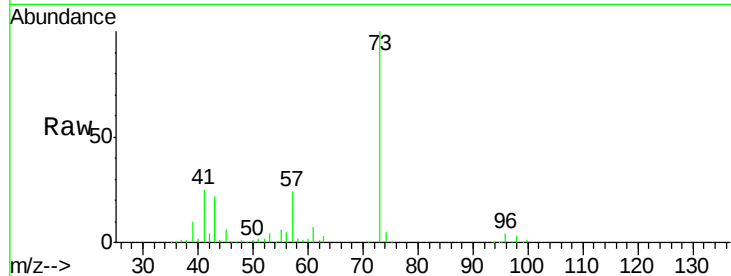
#19  
Methvl tert-butvl Ether  
Concen: 19.164 ug/l  
RT: 3.19 min Scan# 334  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

Tot Ion: 73 Resp: 112526  
Ion Ratio Lower Upper  
73 100  
57 24.3 19.3 28.9

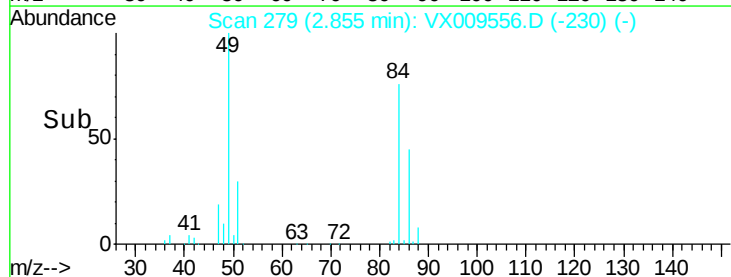
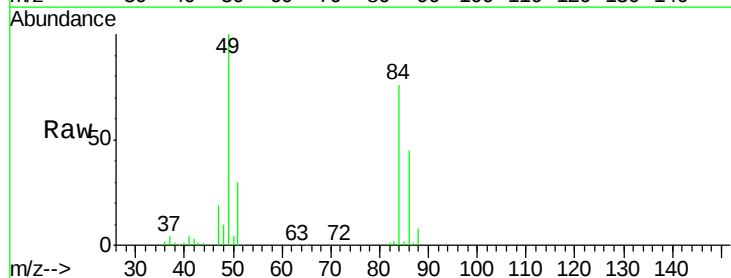
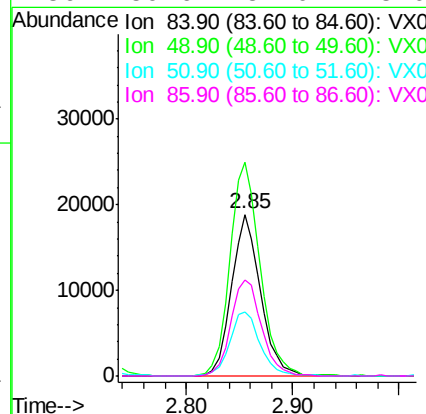
Manual Integrations  
APPROVED

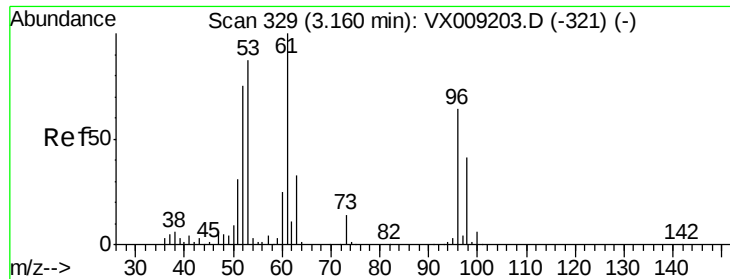
MMDadoda  
5/15/2019 12:25:15 PM



#20  
Methylene Chloride  
Concen: 18.823 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Tgt Ion: 84 Resp: 36001  
Ion Ratio Lower Upper  
84 100  
49 132.4 109.9 164.9  
51 40.0 32.7 49.1  
86 59.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.401 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

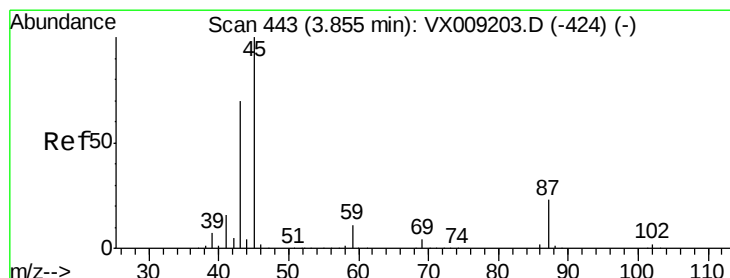
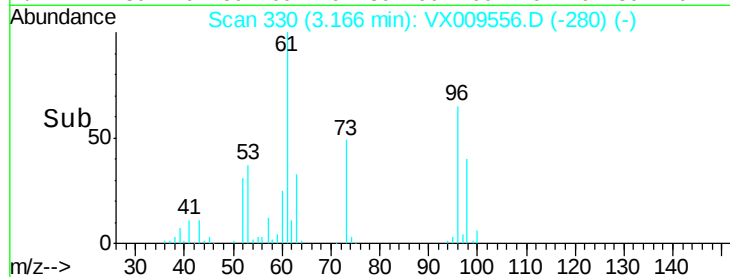
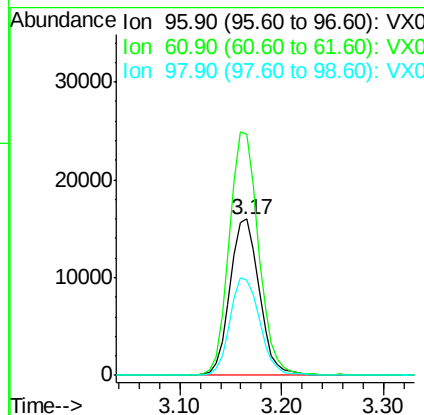
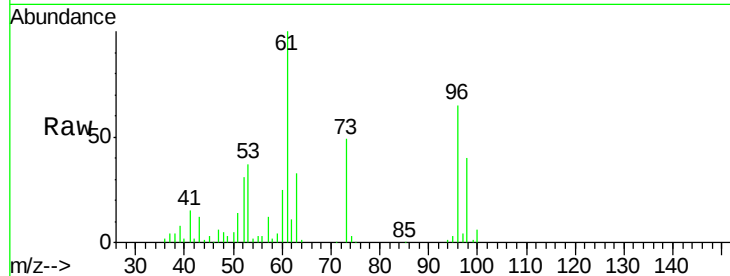
ClientSampleId :

VX0514WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 31814 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 154.1 | 124.5 | 186.7 |
| 98       | 61.1  | 50.4  | 75.6  |

Manual Integrations  
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MMDadoda  
5/15/2019 12:25:15 PM



#22

Diisopropyl ether

Concen: 19.314 ug/l

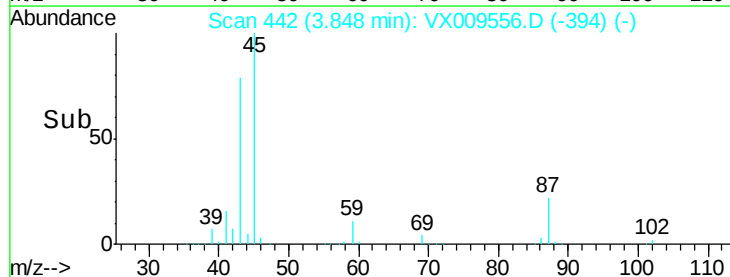
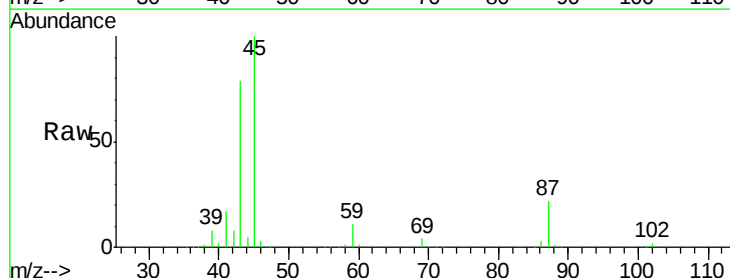
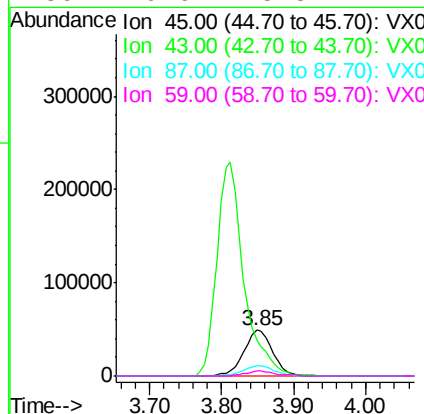
RT: 3.85 min Scan# 442

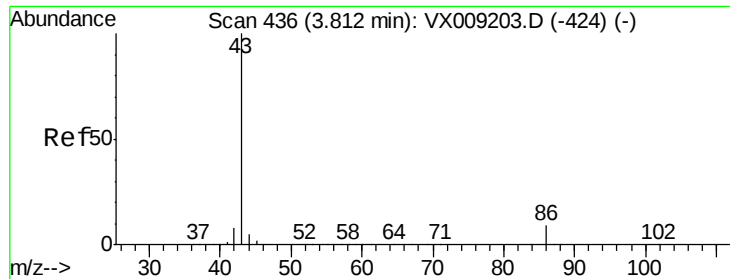
Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 136867 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 78.5  | 56.1  | 84.1   |
| 87       | 21.8  | 18.1  | 27.1   |
| 59       | 10.6  | 8.5   | 12.7   |





#23

Vinyl Acetate

Concen: 97.849 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleID :

VX0514WBS01

Tot Ion: 43 Resp: 593777

Ion Ratio Lower Upper

43 100

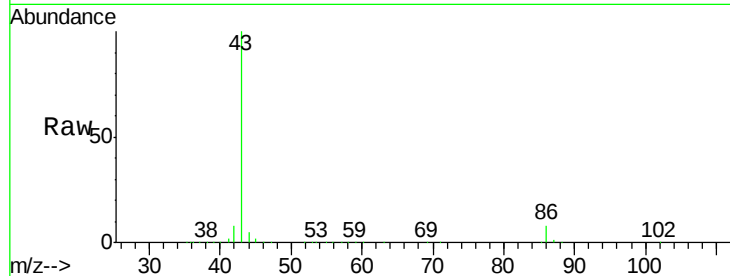
86 8.3 6.9 10.3

Manual Integrations

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MMDadoda

5/15/2019 12:25:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

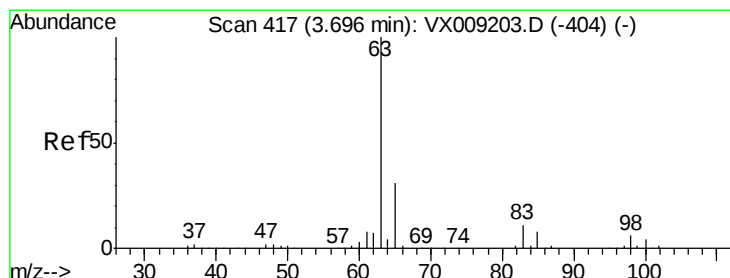
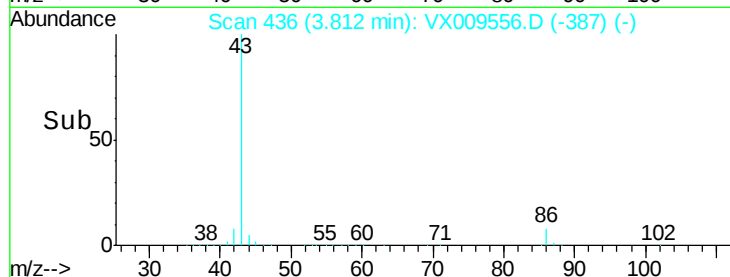
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.826 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

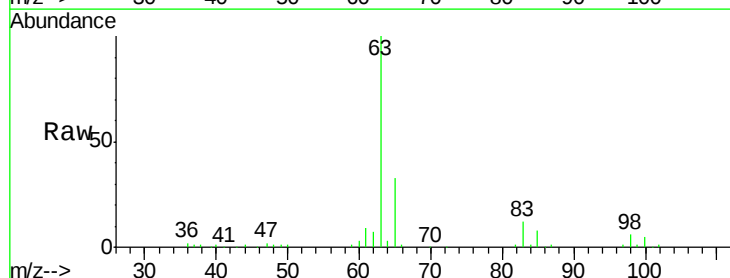
Tgt Ion: 63 Resp: 65815

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

30000

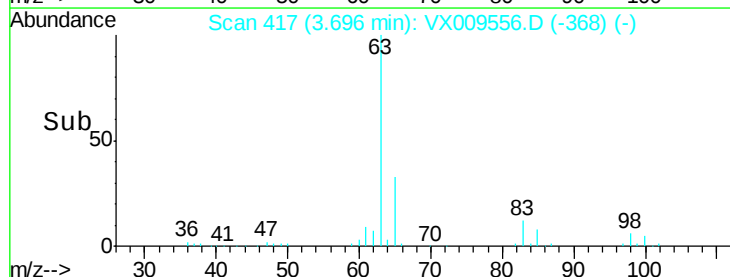
20000

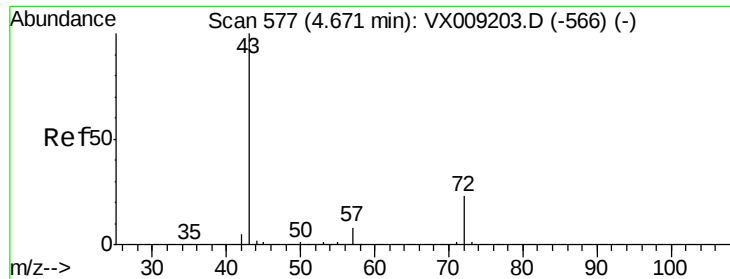
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 91.241 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 43 Resp: 167488

Ion Ratio Lower Upper

43 100

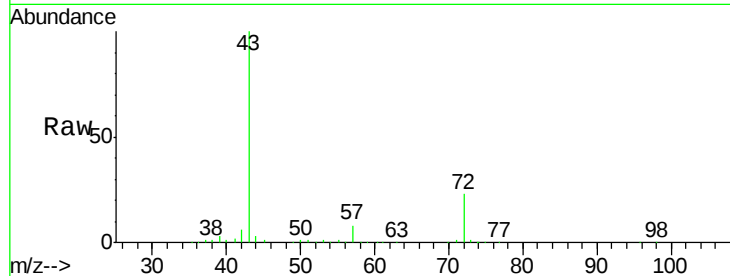
72 23.3 18.2 27.2

Manual Integrations

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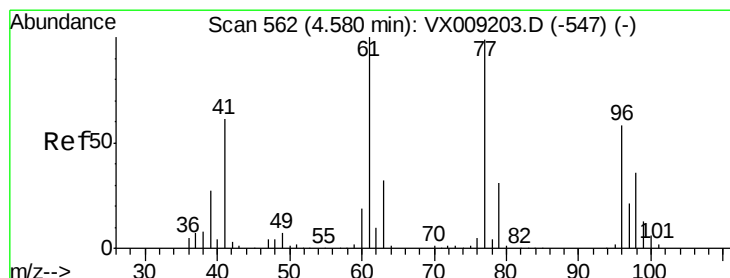
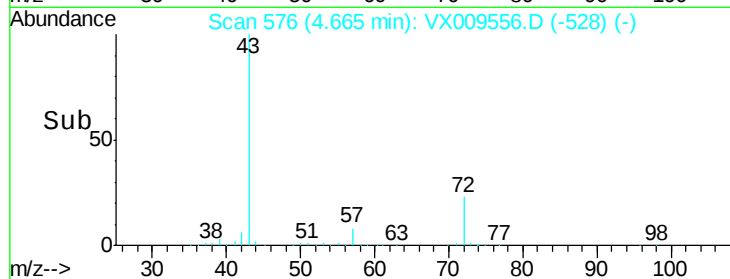
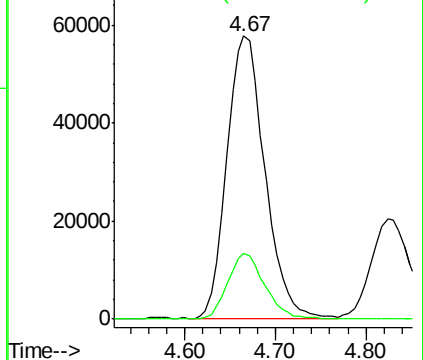
MMDadoda

5/15/2019 12:25:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.265 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009556.D

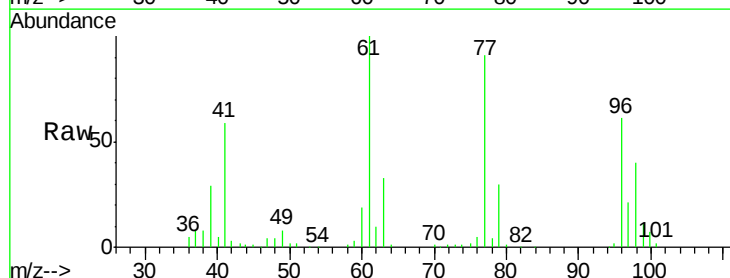
Acq: 14 May 2019 12:17

Tgt Ion: 77 Resp: 50129

Ion Ratio Lower Upper

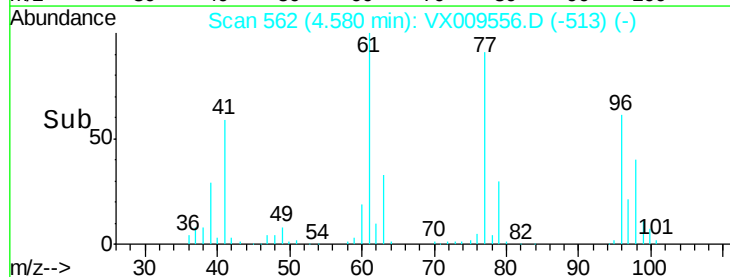
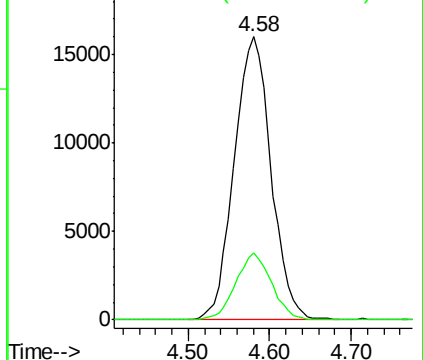
77 100

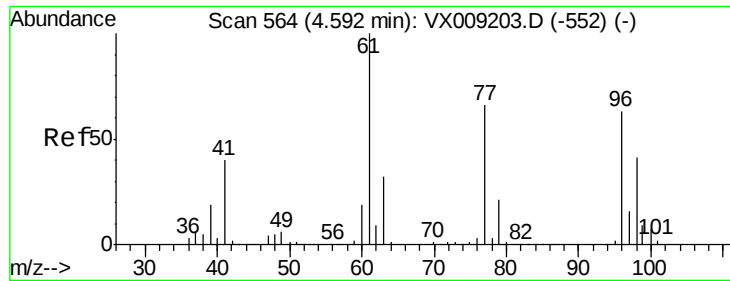
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

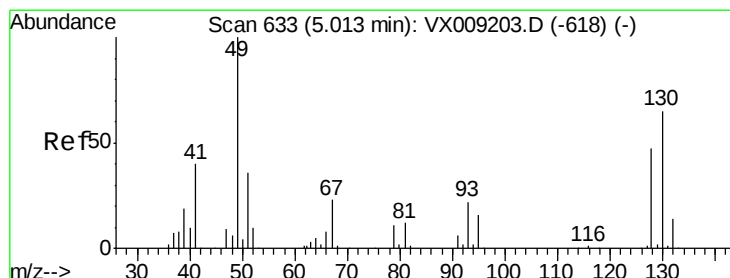
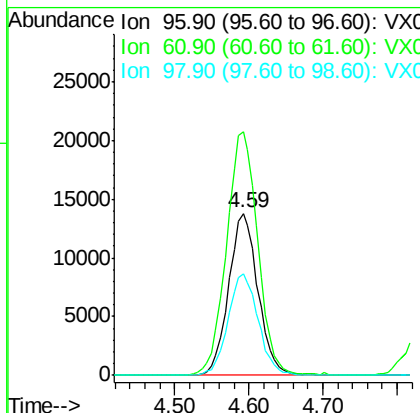
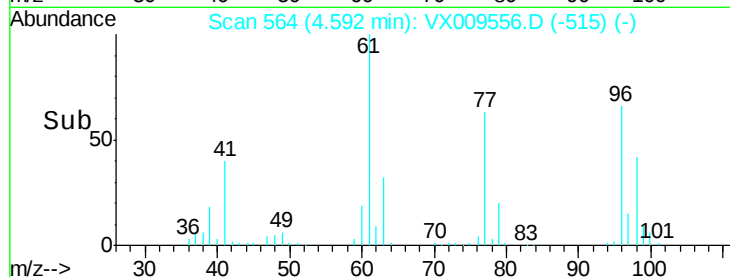
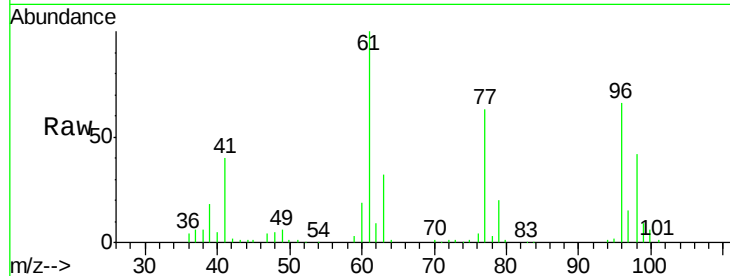
cis-1,2-Dichloroethene  
Concen: 19.421 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 38013 |       |       |
| 61      | 159.9 | 0.0   | 324.0 |       |
| 98      | 64.3  | 0.0   | 130.4 |       |

Manual Integrations  
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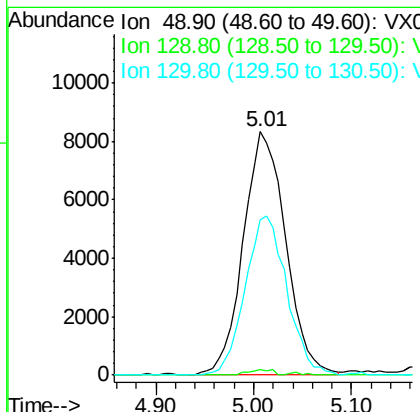
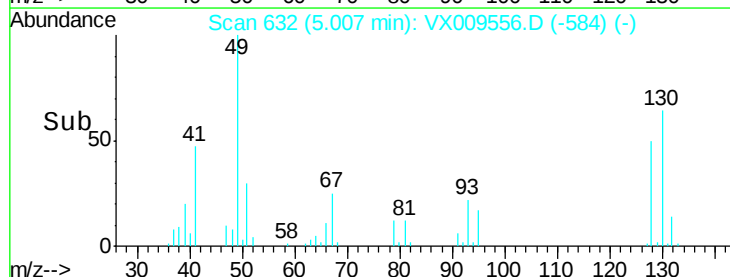
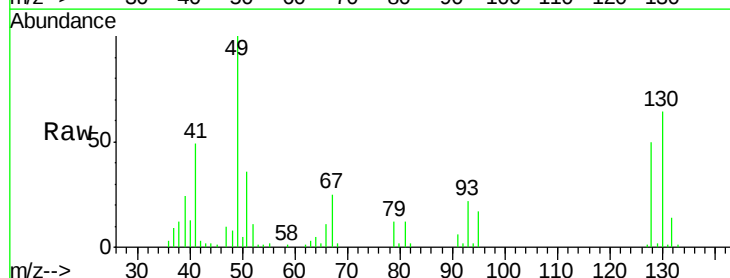
MMDadoda  
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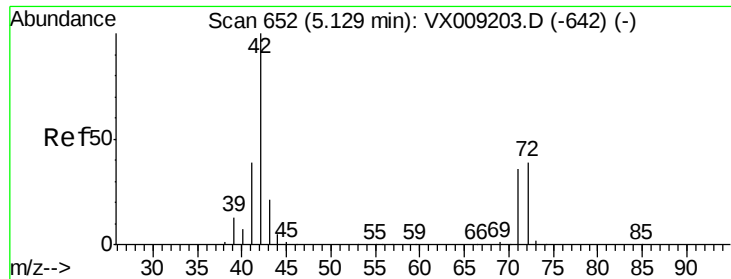


#28

Bromochloromethane  
Concen: 16.070 ug/l  
RT: 5.01 min Scan# 632  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 25232 |       |       |
| 129     | 1.3   | 0.0   | 3.8   |       |
| 130     | 64.0  | 51.2  | 76.8  |       |





#29

Tetrahydrofuran

Concen: 91.877 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

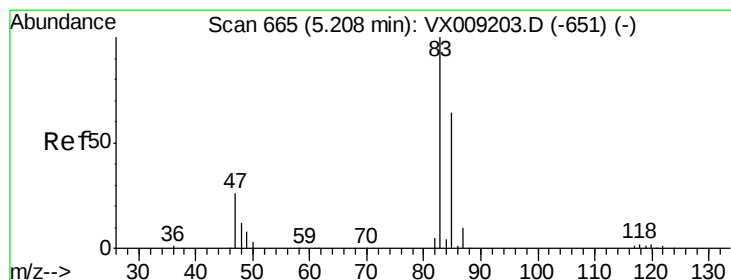
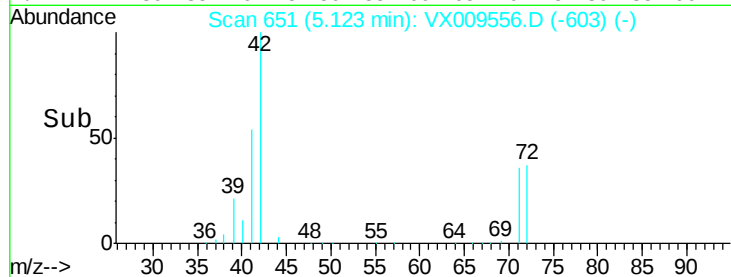
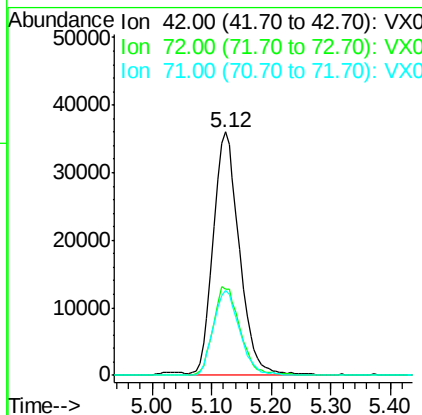
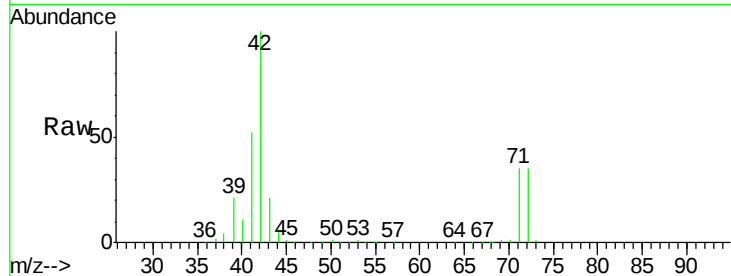
ClientSampleId :

VX0514WBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 42   | Resp: | 108528 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 37.9 | 30.4  | 45.6   |
| 71        | 35.6 | 28.6  | 43.0   |

Manual Integrations  
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#30

Chloroform

Concen: 19.398 ug/l

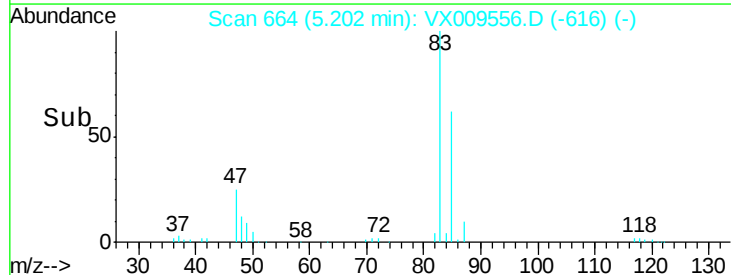
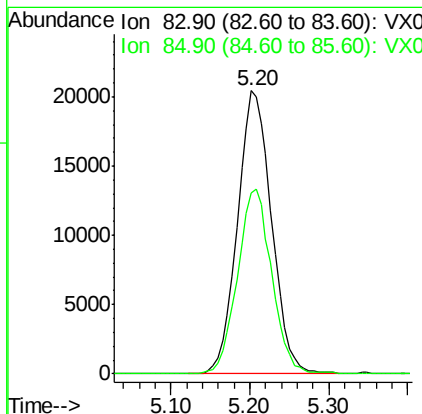
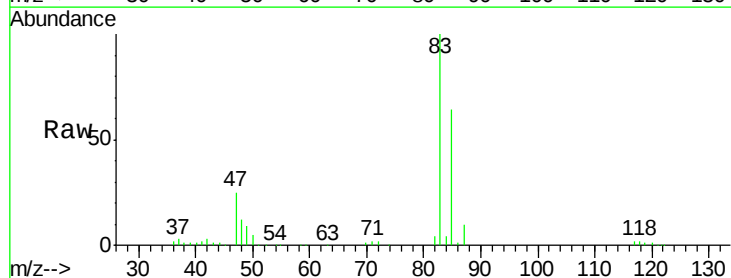
RT: 5.20 min Scan# 664

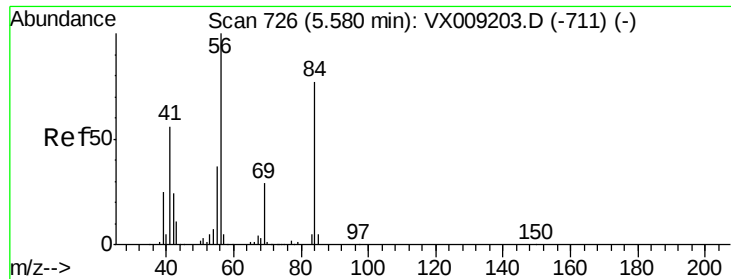
Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 83   | Resp: | 61334 |
| Ion Ratio |      | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 64.1 | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 20.055 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

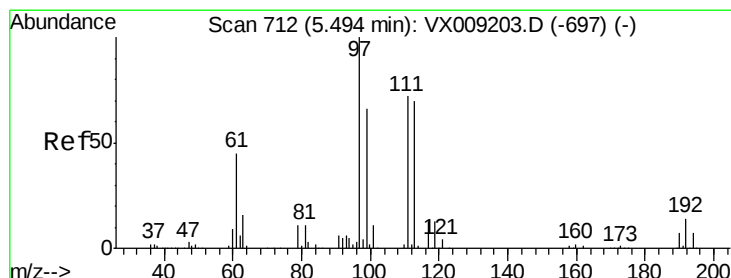
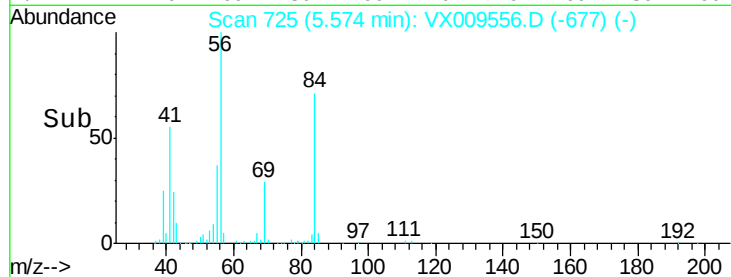
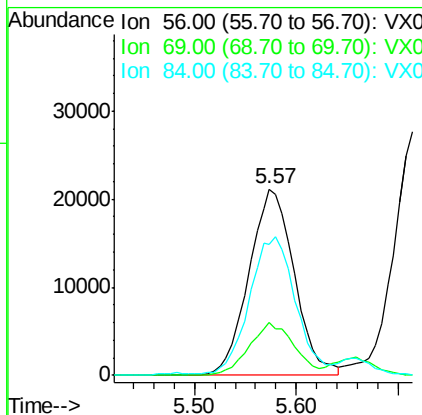
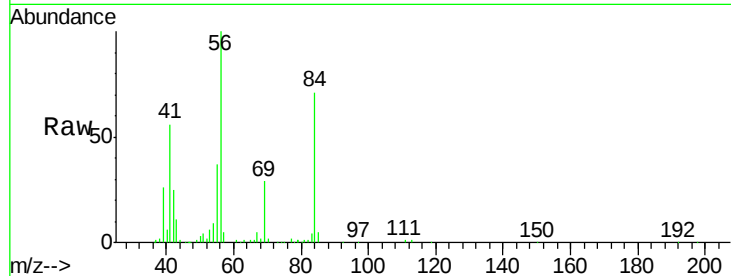
ClientSampleId :

VX0514WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 65229 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 28.6  | 23.4  | 35.0  |
| 84       | 69.4  | 61.9  | 92.9  |

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#32

1,1,1-Trichloroethane

Concen: 19.420 ug/l

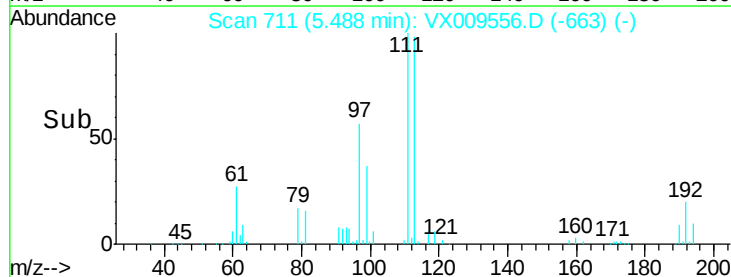
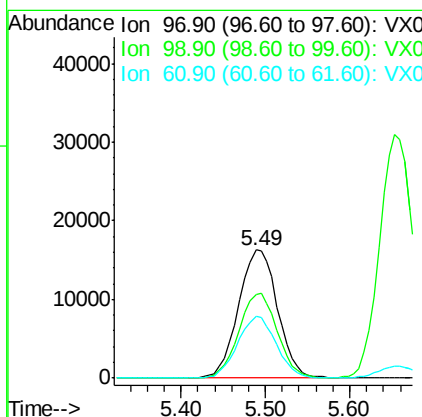
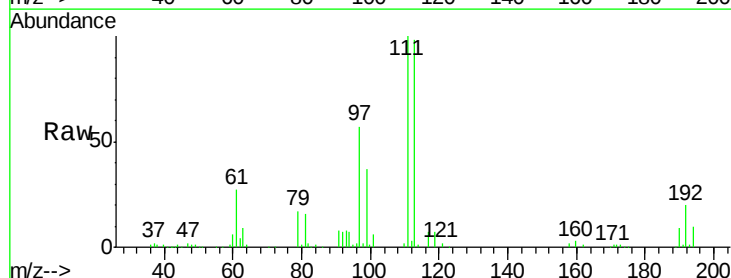
RT: 5.49 min Scan# 711

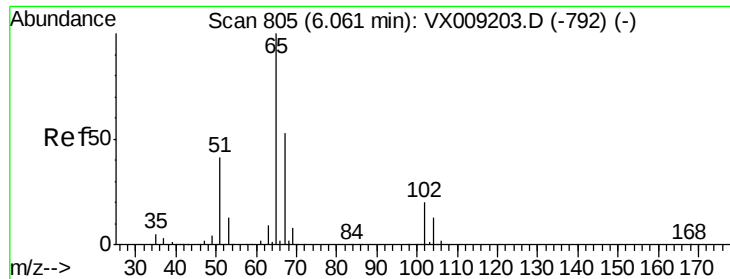
Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 51115 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.3  | 51.8  | 77.8  |
| 61       | 47.9  | 37.8  | 56.8  |





#33

1,2-Dichloroethane-d4

Concen: 50.095 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009556.D

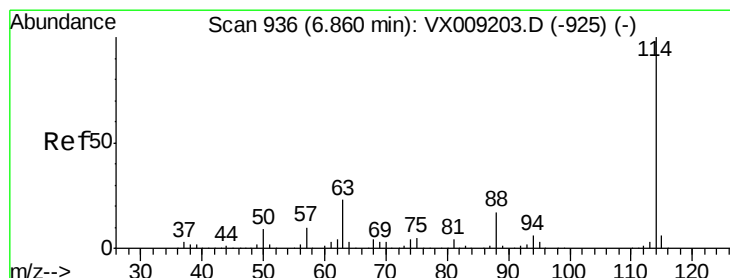
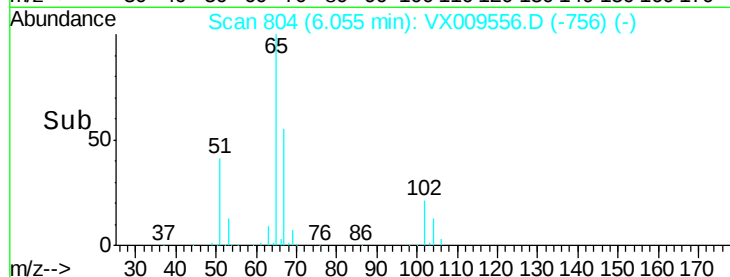
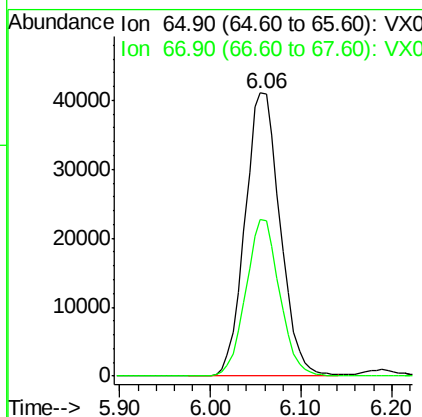
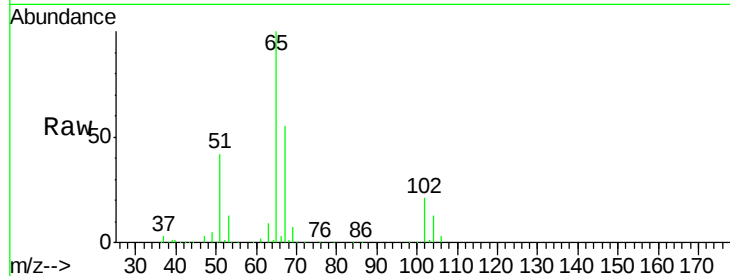
Acq: 14 May 2019 12:17

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 110204 |       |       |
| 67      | 53.3  | 0.0    | 106.6 |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

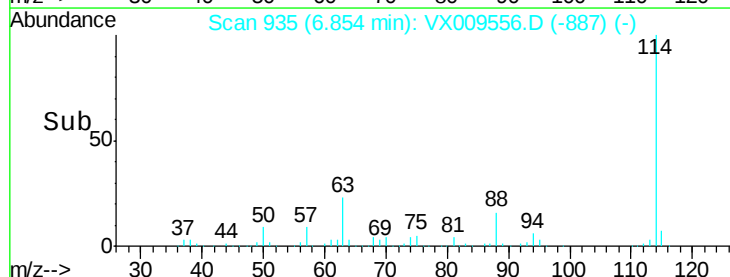
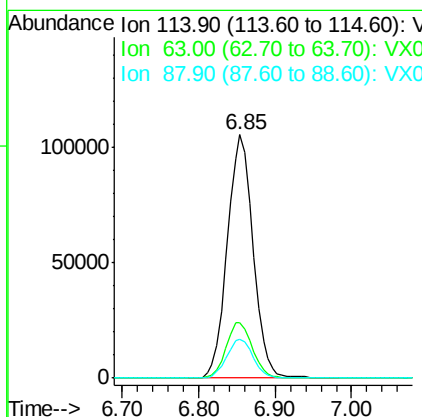
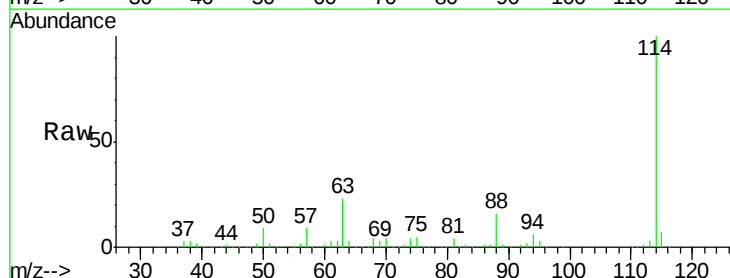
RT: 6.85 min Scan# 935

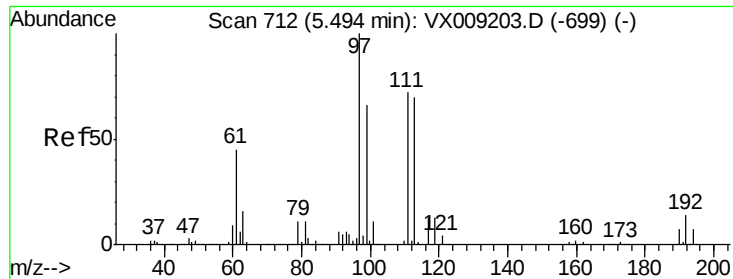
Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 245459 |       |       |
| 63      | 22.9  | 0.0    | 45.6  |       |
| 88      | 16.1  | 0.0    | 33.2  |       |





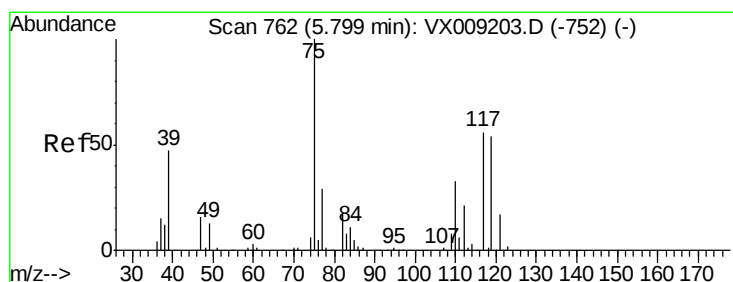
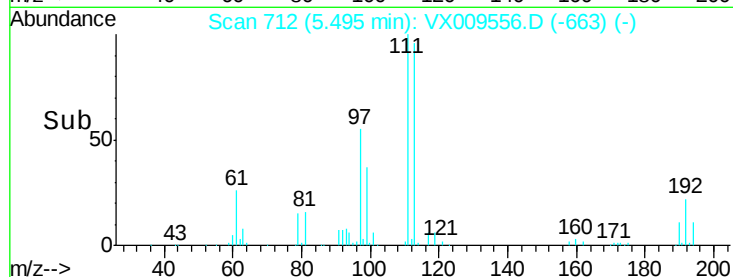
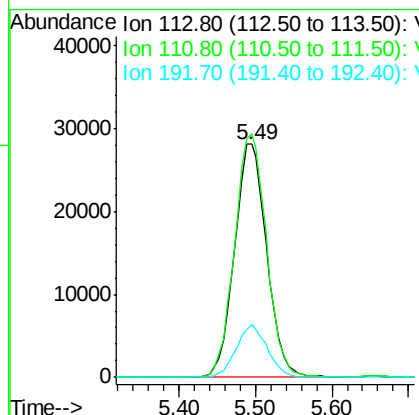
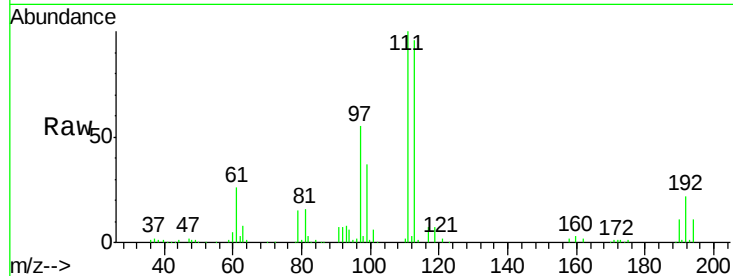
#35  
Dibromofluoromethane  
Concen: 53.099 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 82.8  | 124.2 |
| 192     | 21.9  | 17.0  | 25.6  |

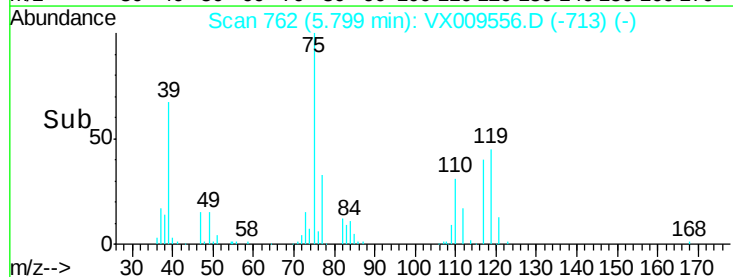
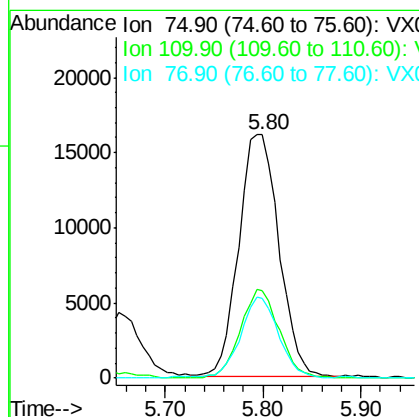
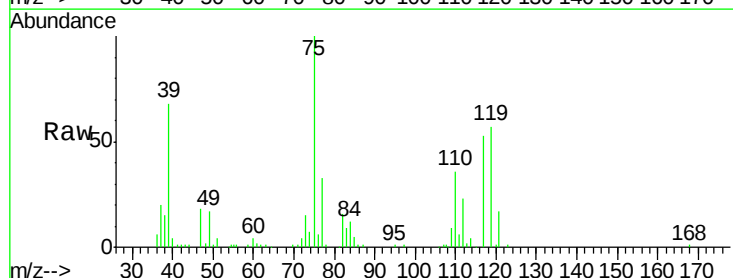
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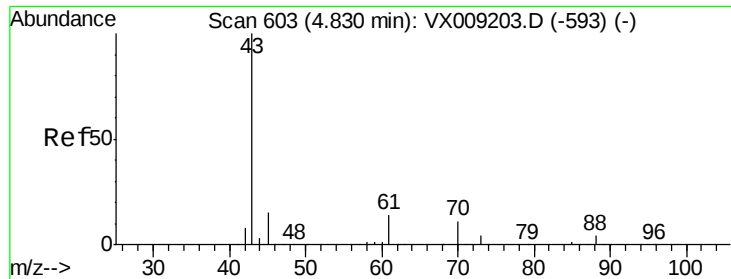
MMDadoda  
5/15/2019 12:25:15 PM



#36  
1,1-Dichloropropene  
Concen: 20.171 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.3  | 16.9  | 50.6  |
| 77      | 31.6  | 24.8  | 37.2  |





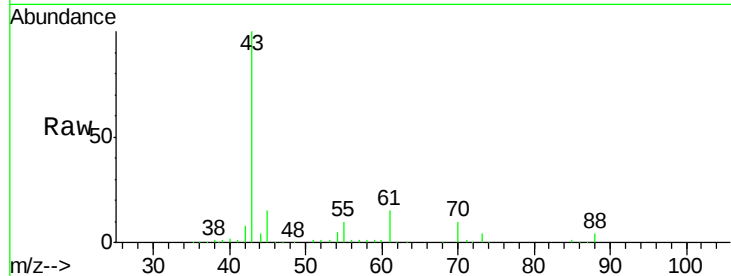
#37  
Ethyl Acetate  
Concen: 19.390 ug/l  
RT: 4.82 min Scan# 602  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 10.5  | 15.7  |
| 70      | 10.0  | 7.9   | 11.9  |

Manual Integrations  
APPROVED

MMDadoda  
5/15/2019 12:25:15 PM

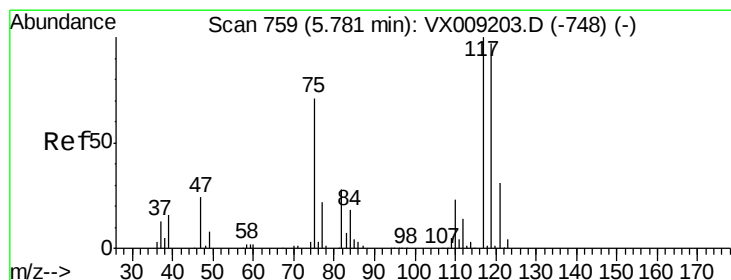
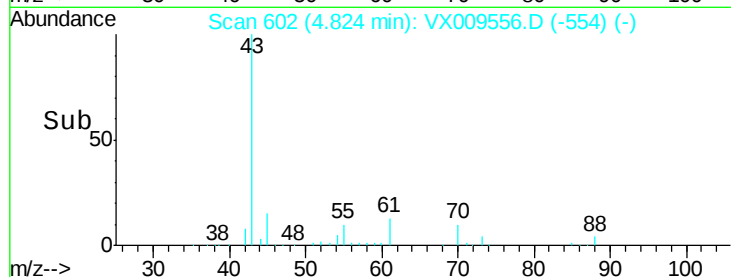
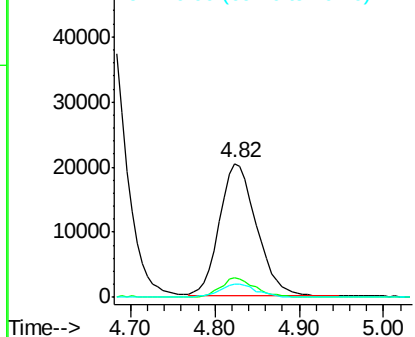


Abundance

Ion 43.00 (42.70 to 43.70): VX0

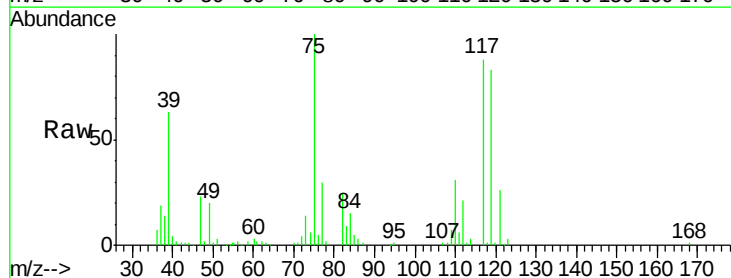
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38  
Carbon Tetrachloride  
Concen: 20.460 ug/l  
RT: 5.79 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.4  | 77.5  | 116.3 |
| 121     | 30.2  | 24.7  | 37.1  |

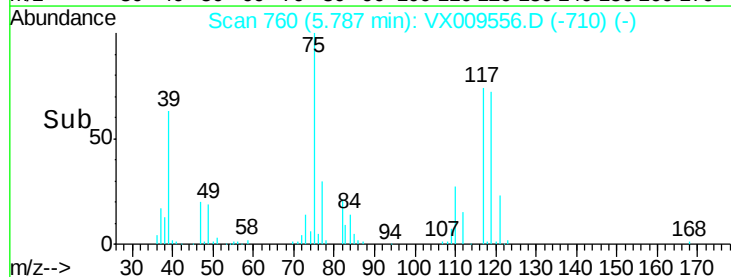
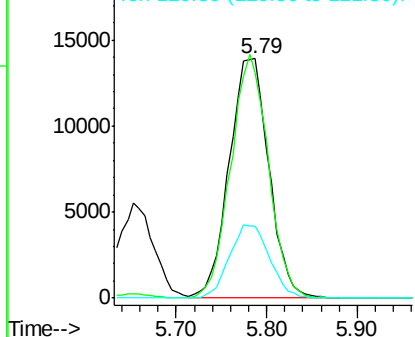


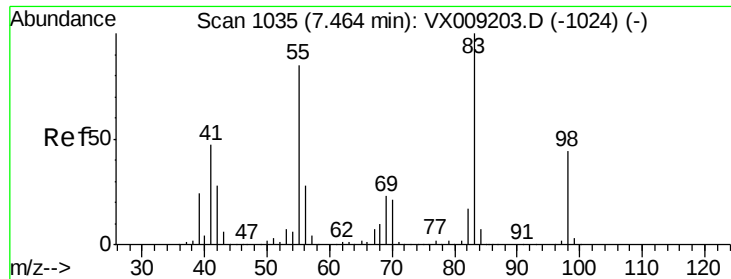
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





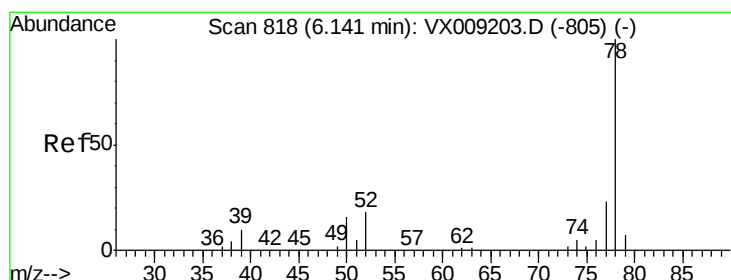
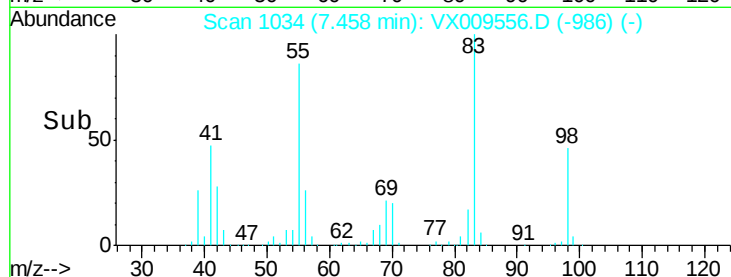
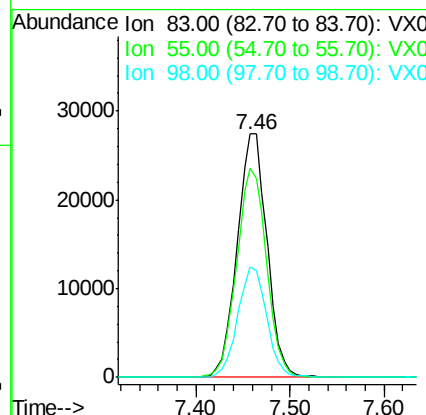
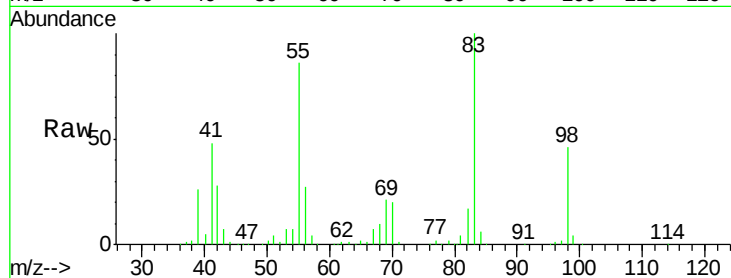
#39  
Methylvlcyclohexane  
Concen: 21.545 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion   | 83   | Resp  | 60356 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 85.6 | 67.7  | 101.5 |
| 98        | 45.5 | 35.5  | 53.3  |

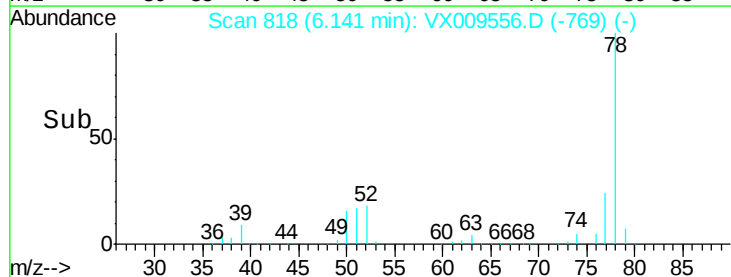
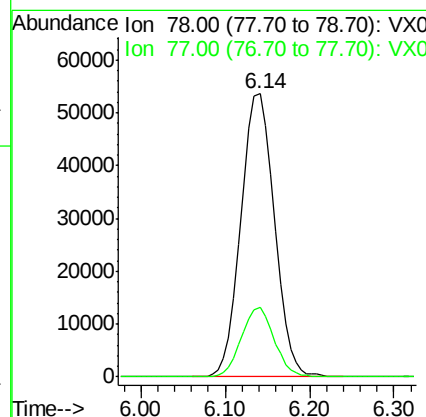
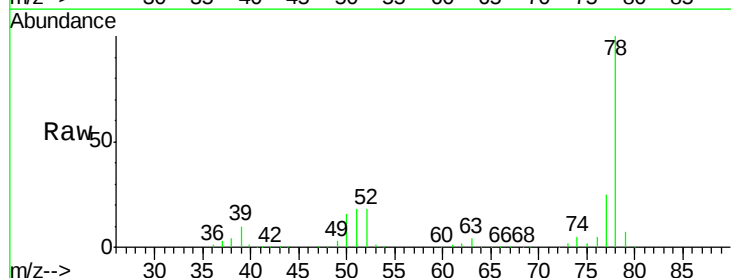
Manual Integrations  
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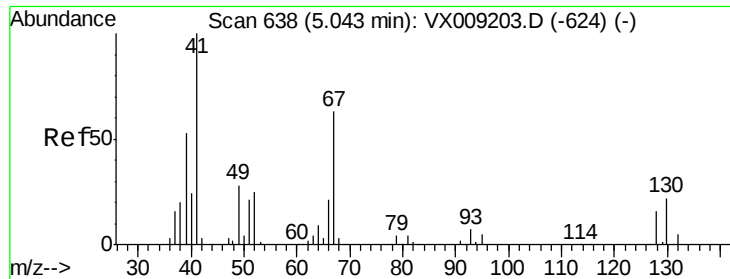
MMDadoda  
5/15/2019 12:25:15 PM



#40  
Benzene  
Concen: 20.521 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion   | 78   | Resp  | 144872 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 24.5 | 18.8  | 28.2   |





#41

Methacrylonitrile

Concen: 19.095 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

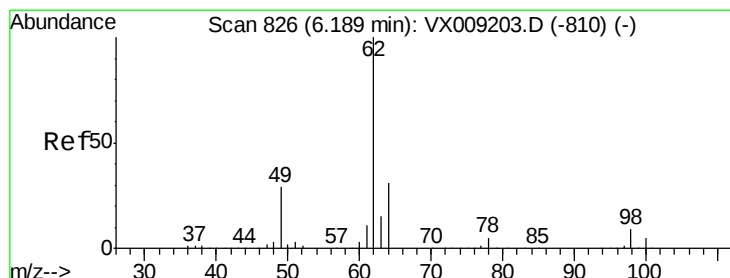
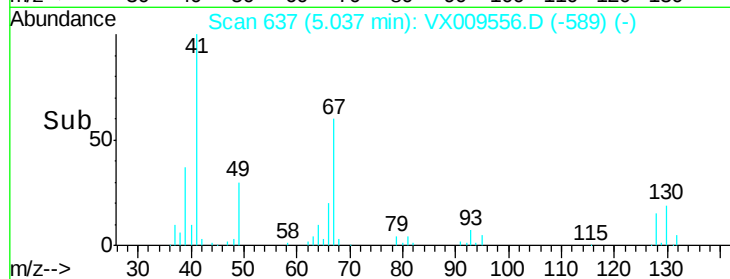
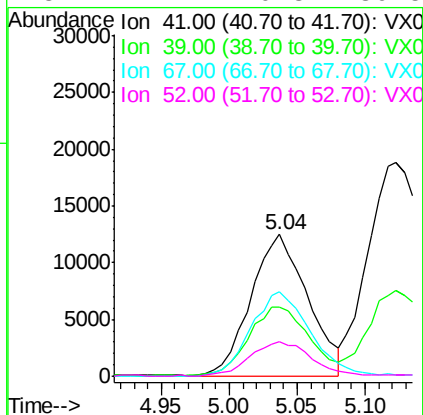
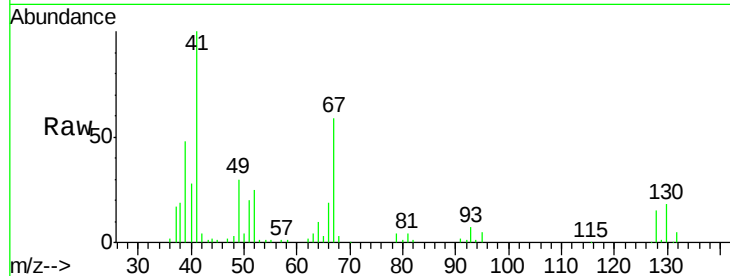
ClientSampleId :

VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.4  | 42.0  | 63.0  |
| 67      | 62.9  | 49.8  | 74.8  |
| 52      | 27.1  | 20.3  | 30.5  |

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#42

1,2-Dichloroethane

Concen: 20.620 ug/l

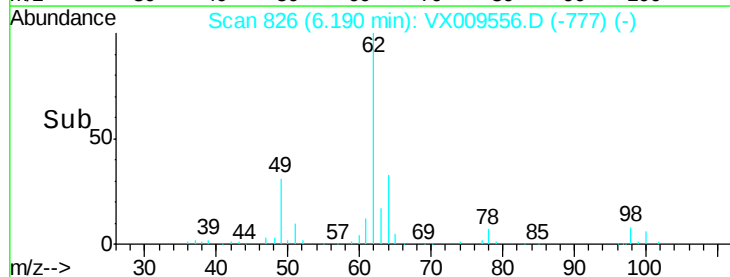
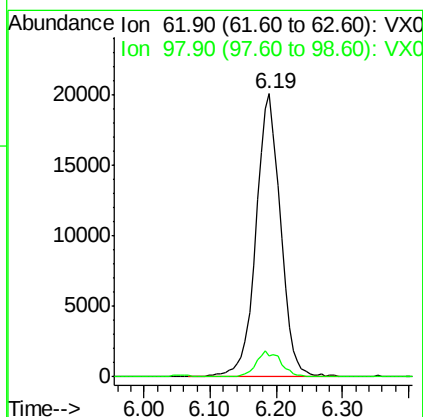
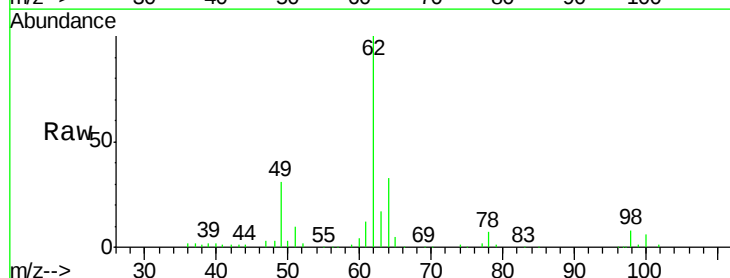
RT: 6.19 min Scan# 826

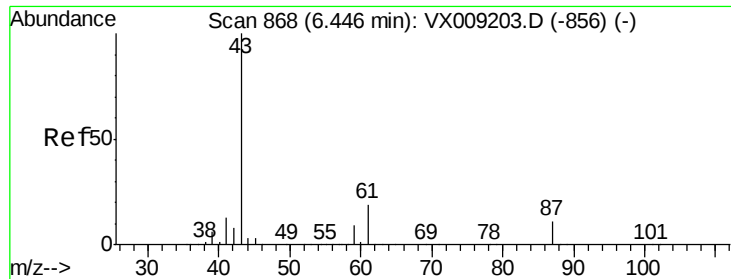
Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.1   | 0.0   | 18.2  |





#43

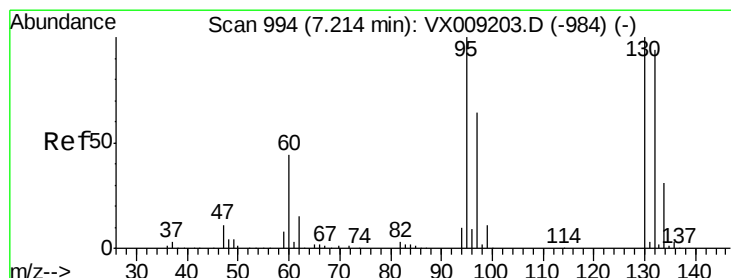
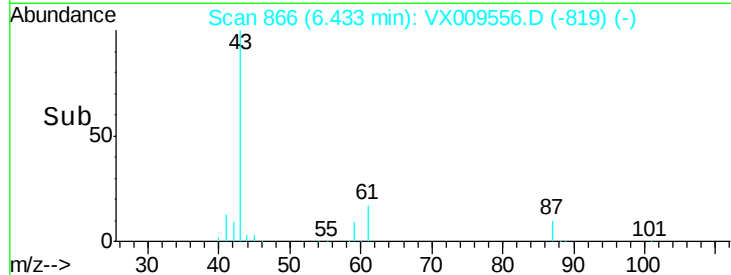
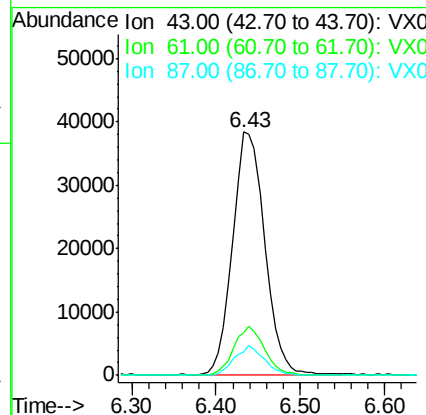
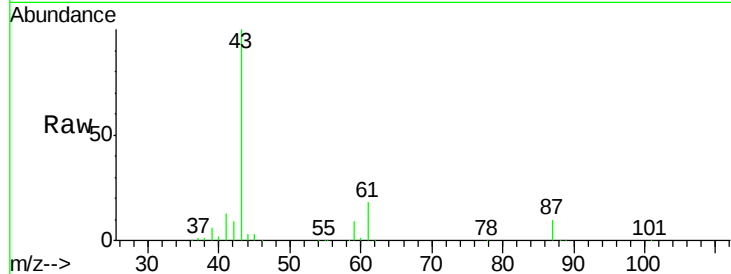
Isopropyl Acetate  
 Concen: 19.510 ug/l  
 RT: 6.43 min Scan# 866  
 Delta R.T. -0.01 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0514WBS01

| Tot Ion | 43    | 61   | 87   |
|---------|-------|------|------|
| Resp    | 99183 |      |      |
| Ratio   | 100   | 19.3 | 11.4 |
| Lower   |       | 15.1 | 9.0  |
| Upper   |       | 22.7 | 13.6 |

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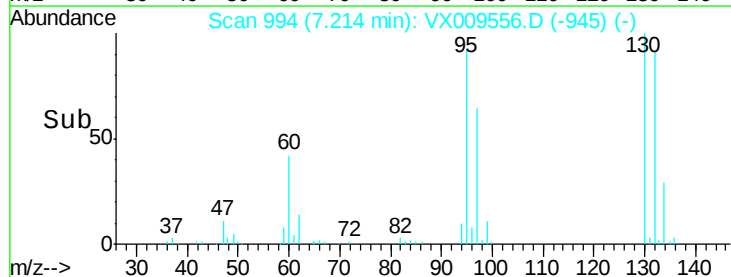
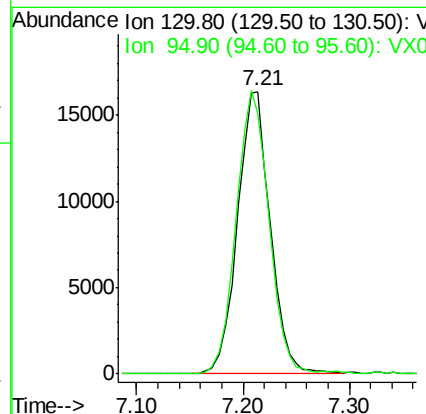
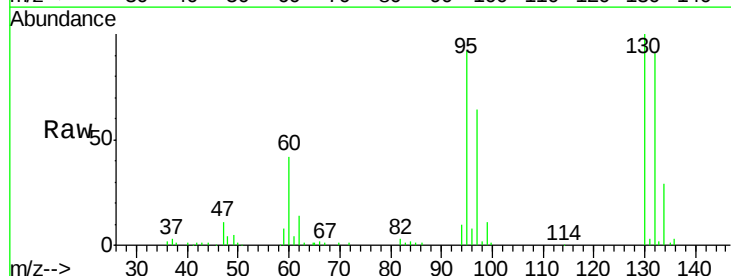
MMDadoda  
 5/15/2019 12:25:15 PM

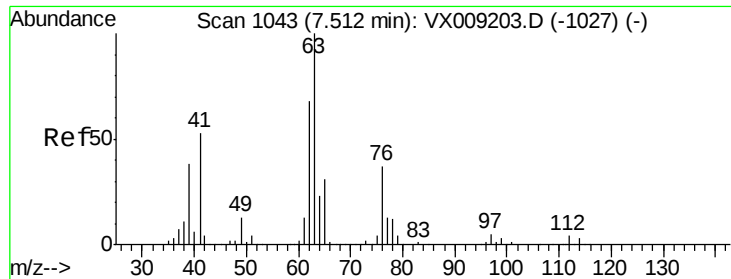


#44

Trichloroethene  
 Concen: 20.642 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

| Tgt Ion | 130   | 95    |
|---------|-------|-------|
| Resp    | 35229 |       |
| Ratio   | 100   | 92.2  |
| Lower   |       | 0.0   |
| Upper   |       | 199.2 |





#45

1,2-Dichloropropane

Concen: 20.158 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 63 Resp: 40295

Ion Ratio Lower Upper

63 100

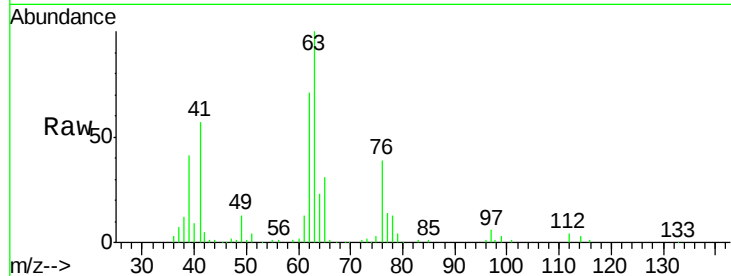
65 30.6 25.0 37.6

Manual Integrations

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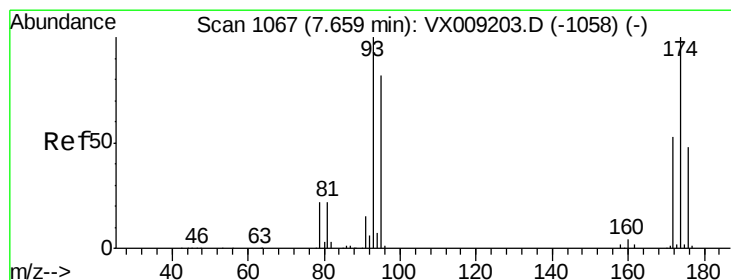
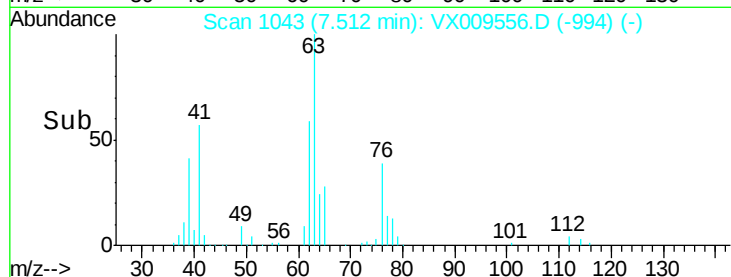
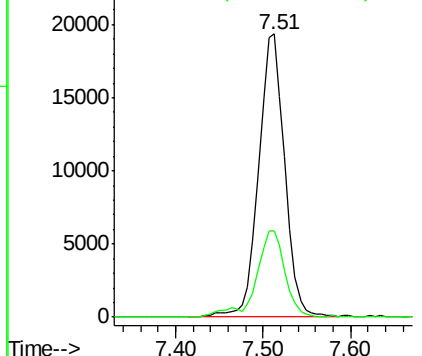
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.317 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

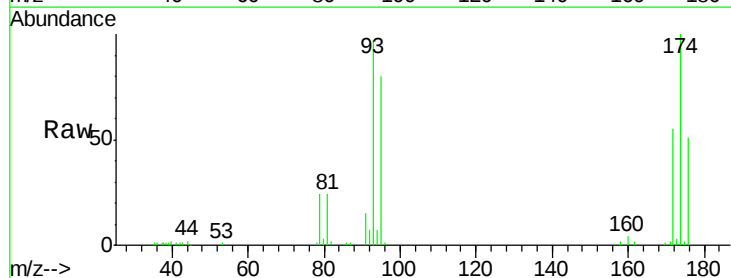
Tgt Ion: 93 Resp: 23584

Ion Ratio Lower Upper

93 100

95 81.5 66.5 99.7

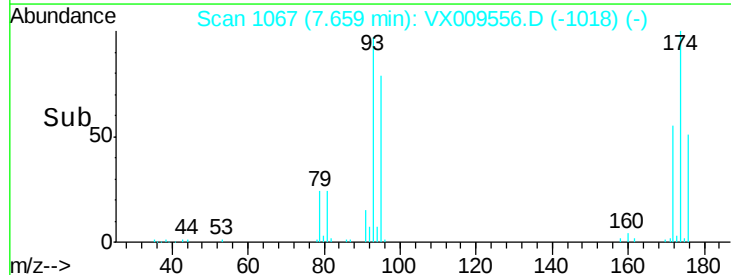
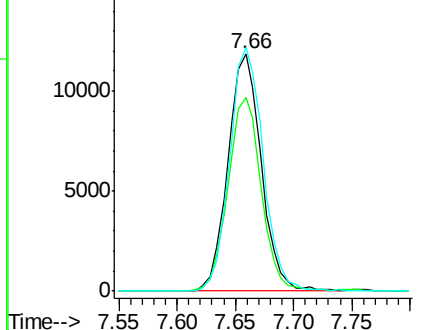
174 103.1 82.1 123.1

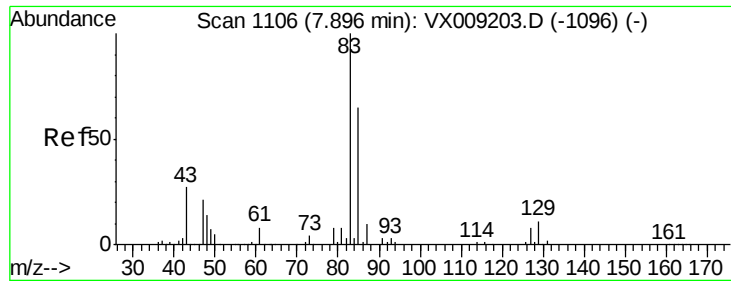


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.176 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

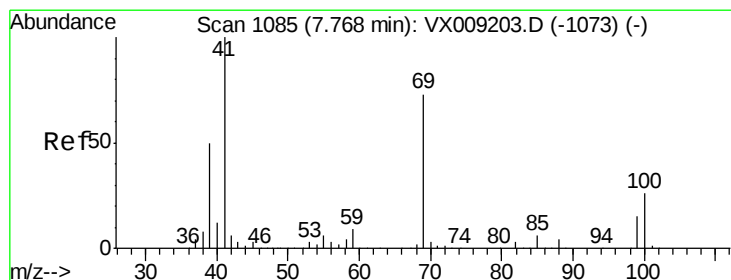
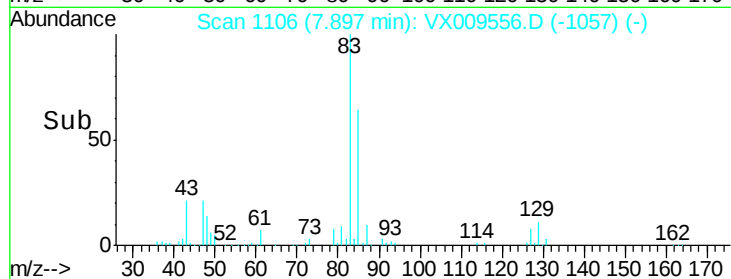
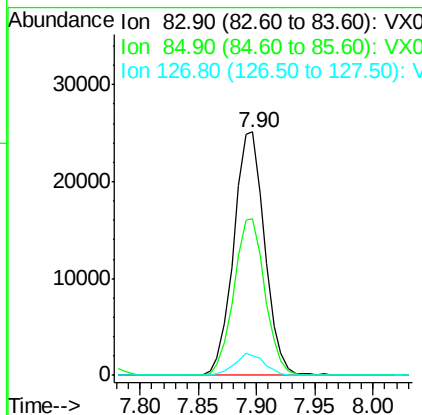
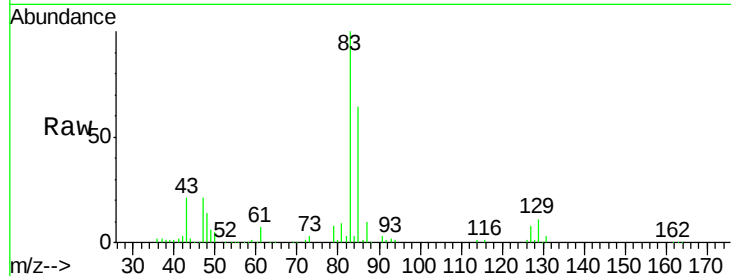
ClientSampleId :

VX0514WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 46718 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.3  | 52.4  | 78.6  |
| 127       | 7.9   | 6.6   | 10.0  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 19.758 ug/l

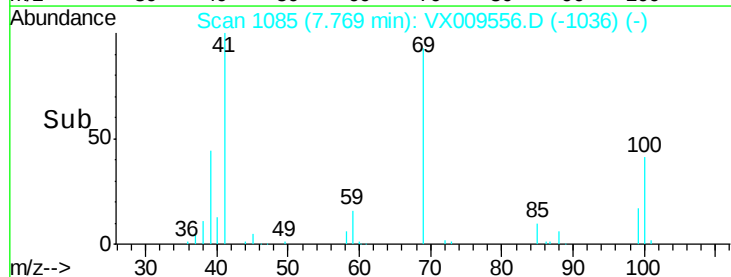
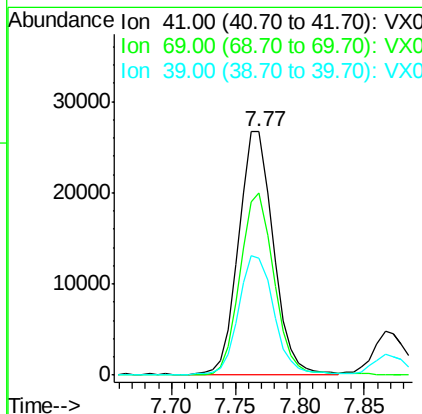
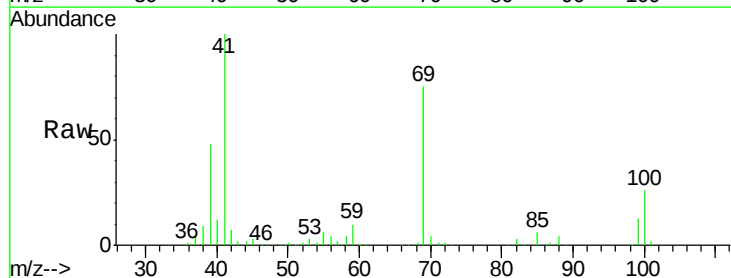
RT: 7.77 min Scan# 1085

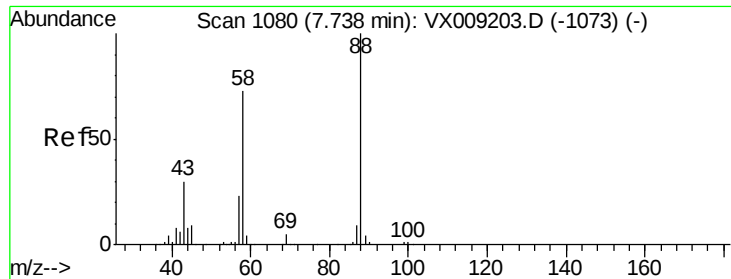
Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 49834 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 73.9  | 59.1  | 88.7  |
| 39        | 50.8  | 40.4  | 60.6  |





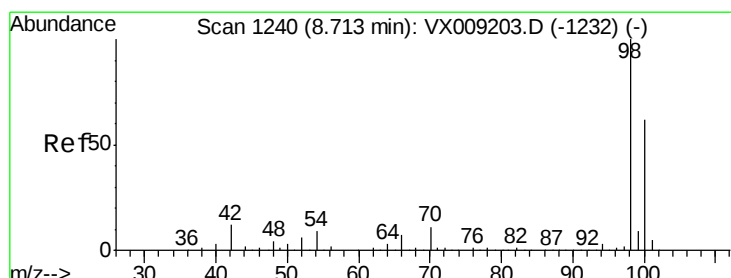
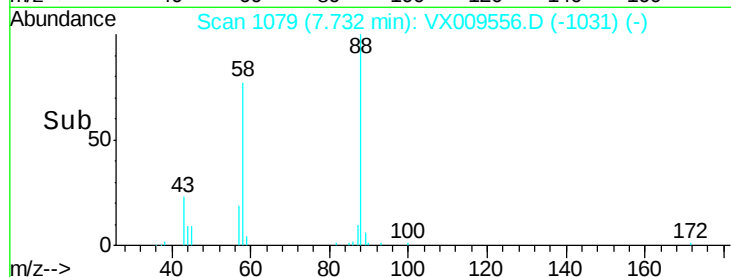
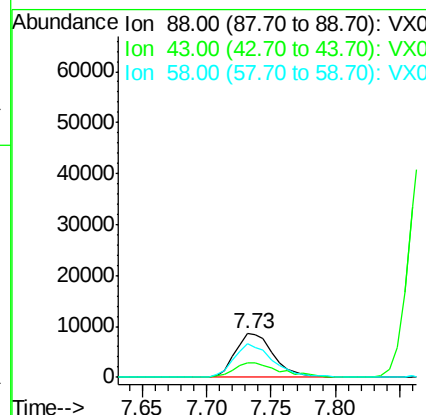
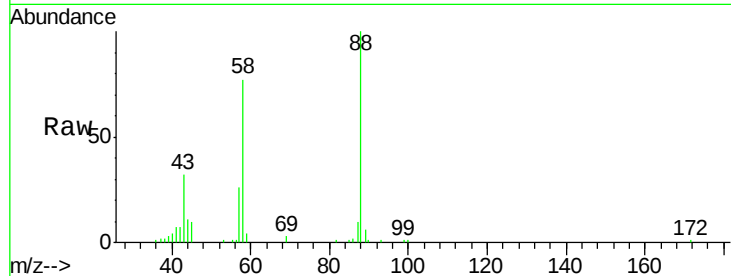
#49  
1,4-Dioxane  
Concen: 348.744 ug/l  
RT: 7.73 min Scan# 1079  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.3  | 28.6  | 42.8  |
| 58      | 77.9  | 61.7  | 92.5  |

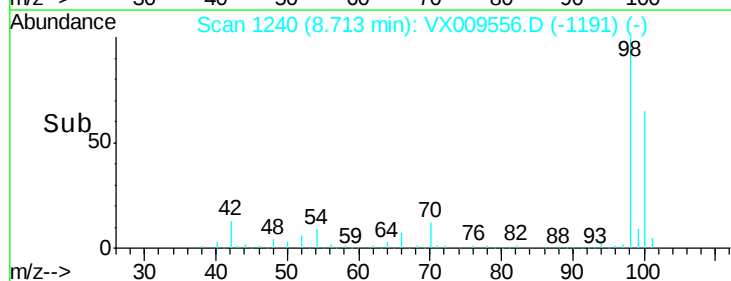
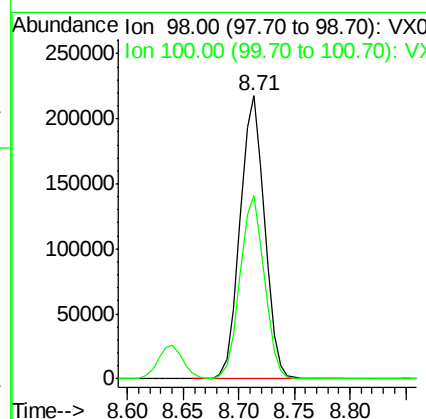
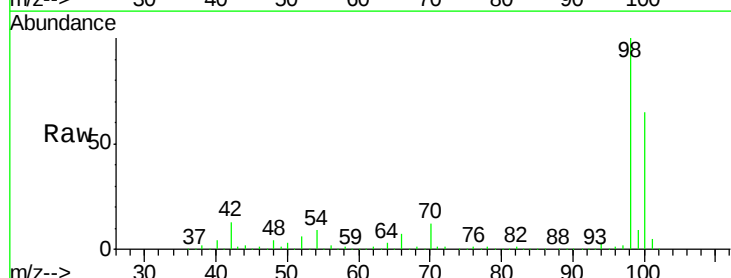
Manual Integrations  
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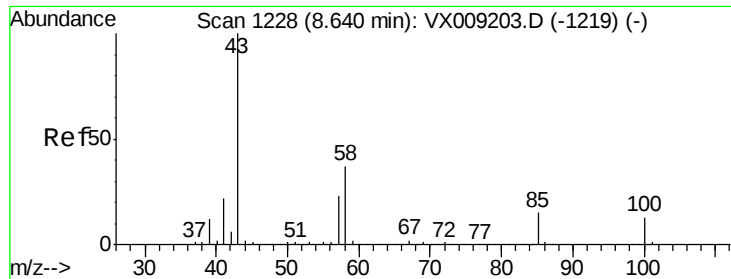
MMDadoda  
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#50  
Toluene-d8  
Concen: 53.251 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.3  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 97.963 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampled :

VX0514WBS01

Tot Ion: 43 Resp: 325514

Ion Ratio Lower Upper

43 100

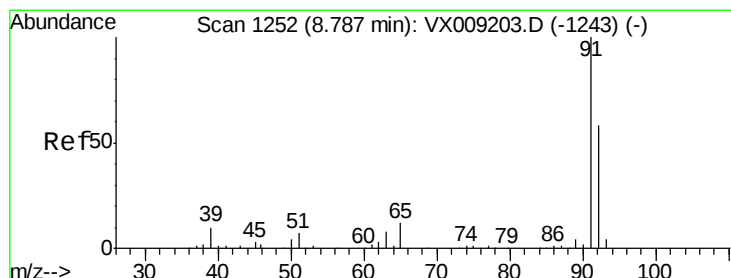
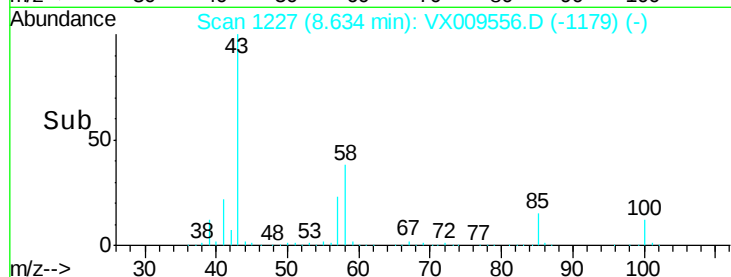
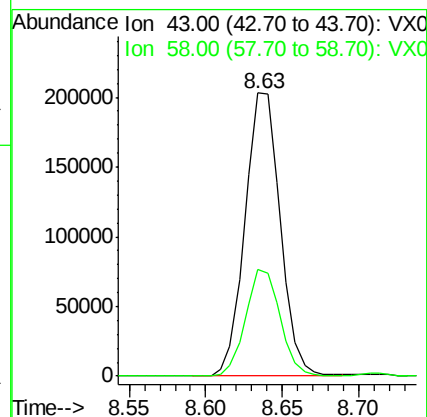
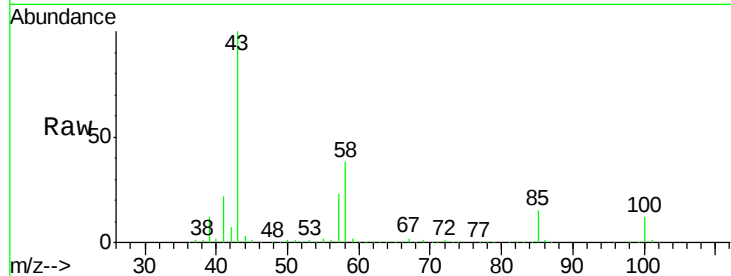
58 36.9 29.5 44.3

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#52

Toluene

Concen: 20.966 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009556.D

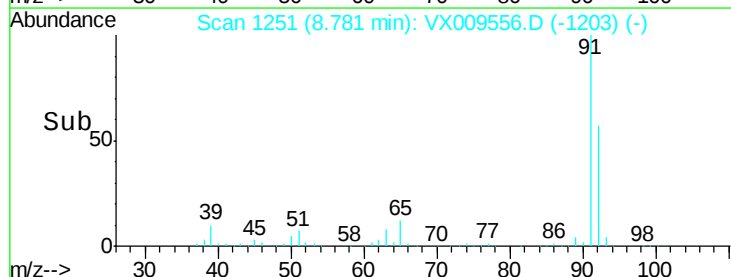
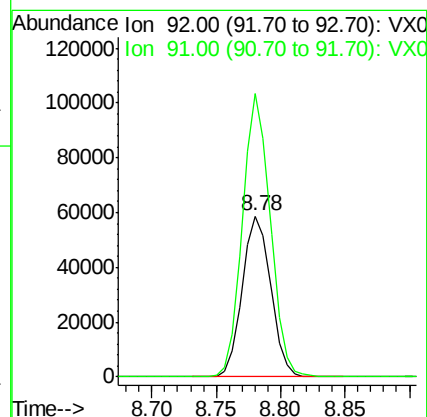
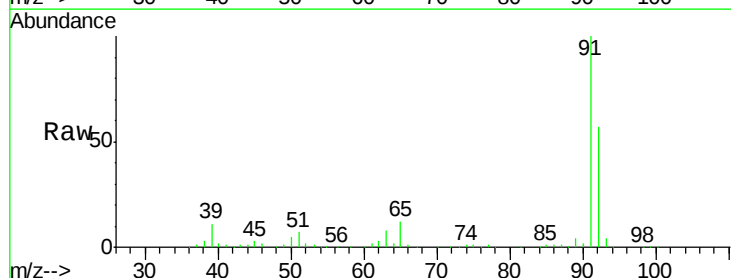
Acq: 14 May 2019 12:17

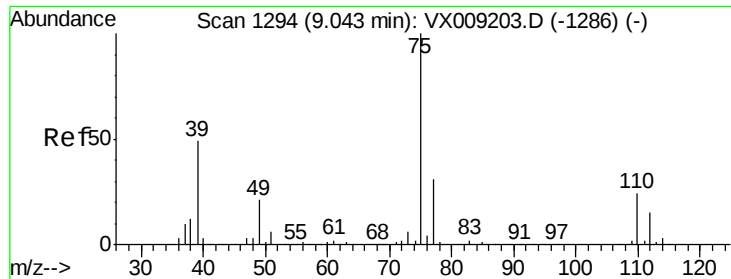
Tgt Ion: 92 Resp: 89972

Ion Ratio Lower Upper

92 100

91 171.8 138.8 208.2





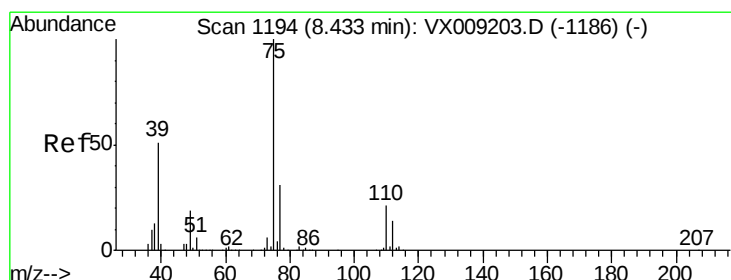
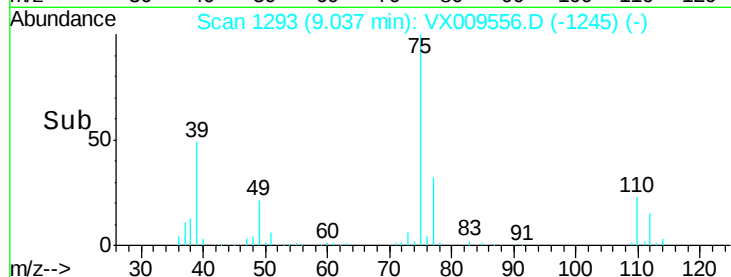
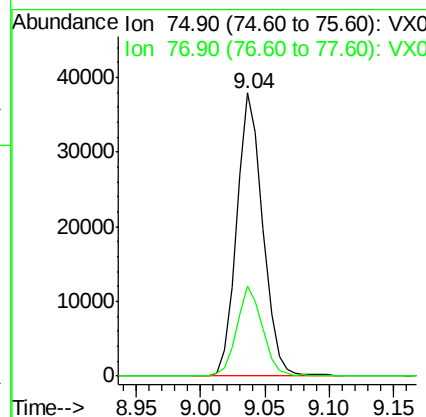
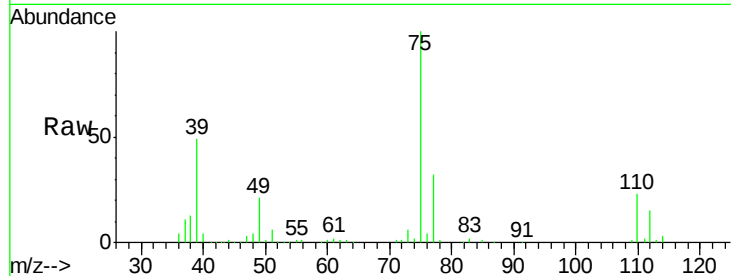
#53  
t-1,3-Dichloropropene  
Concen: 20.465 ug/l  
RT: 9.04 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

Tot Ion: 75 Resp: 53500  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.0 37.6

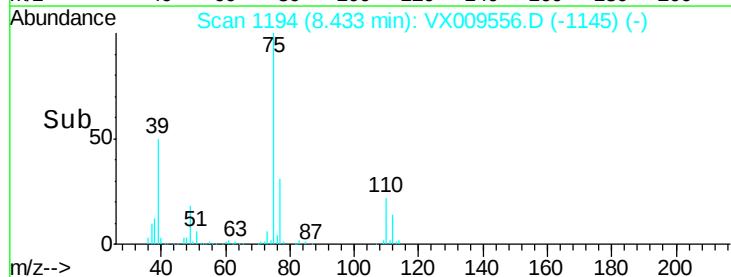
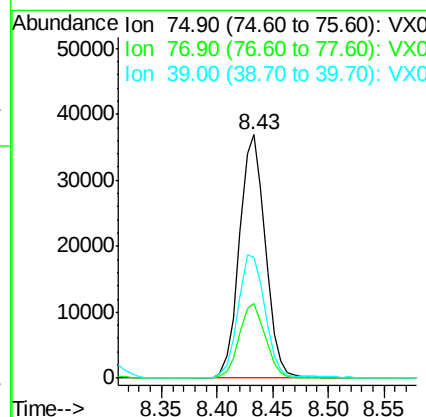
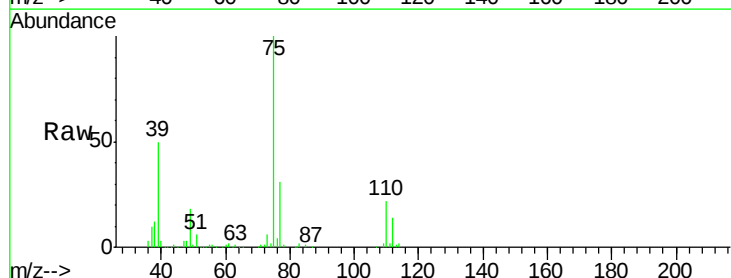
Manual Integrations  
APPROVED

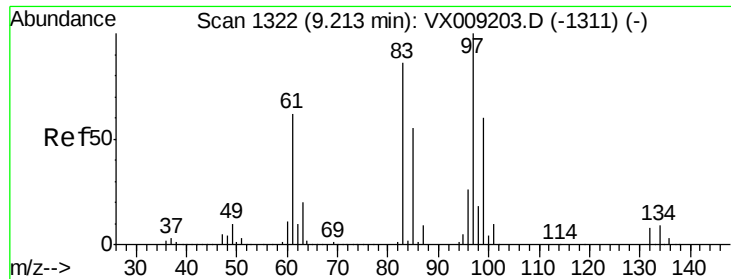
MMDadoda  
5/15/2019 12:25:15 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.617 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Tgt Ion: 75 Resp: 59658  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.6 36.8  
39 49.6 40.6 60.8





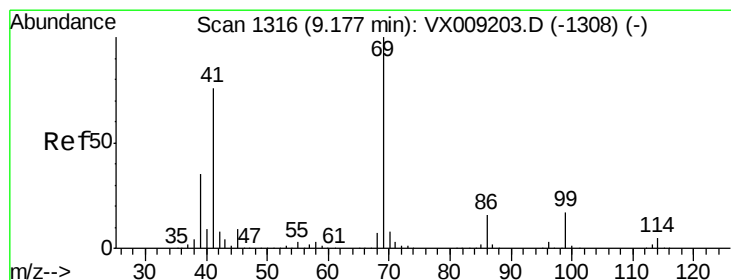
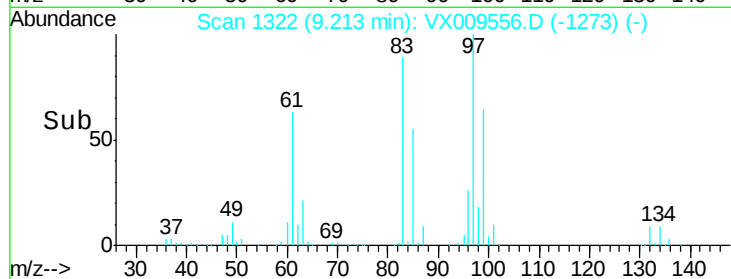
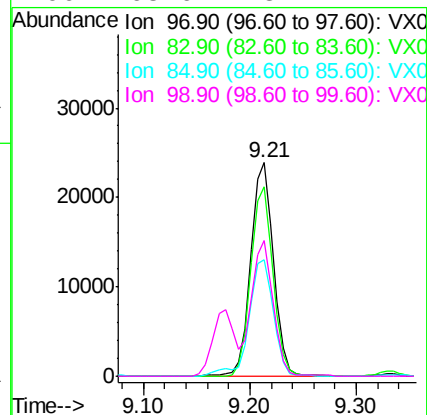
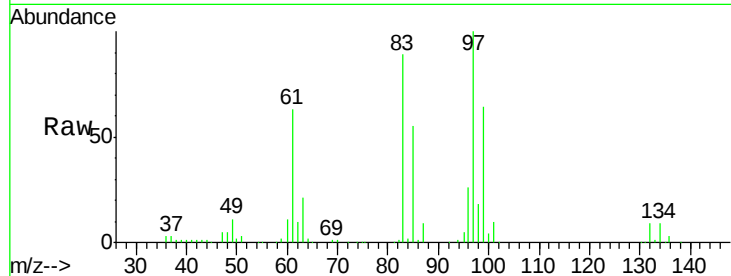
#55  
1,1,2-Trichloroethane  
Concen: 20.550 ug/l  
RT: 9.21 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion   | 97    | Resp  | 35977 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 88.7  | 68.9  | 103.3 |
| 85        | 54.6  | 43.8  | 65.6  |
| 99        | 63.6  | 48.2  | 72.2  |

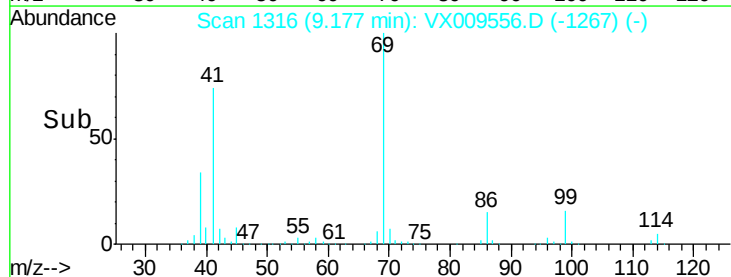
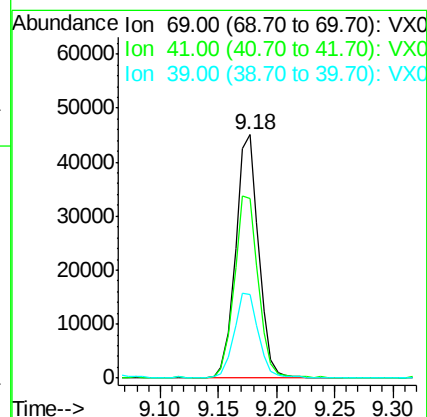
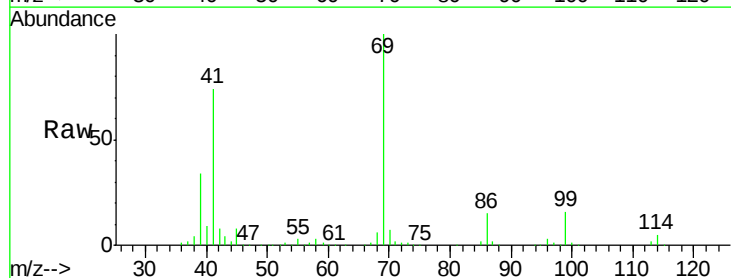
Manual Integrations  
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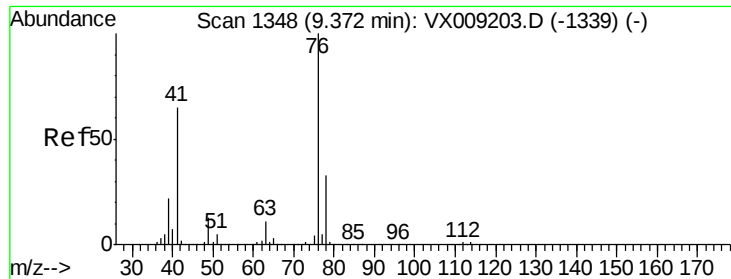
MMDadoda  
5/15/2019 12:25:15 PM



#56  
Ethyl methacrylate  
Concen: 19.866 ug/l  
RT: 9.18 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion   | 69    | Resp  | 62084 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 77.0  | 60.6  | 90.8  |
| 39        | 36.3  | 28.2  | 42.4  |





#57

1,3-Dichloropropane

Concen: 20.433 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 76 Resp: 62950

Ion Ratio Lower Upper

76 100

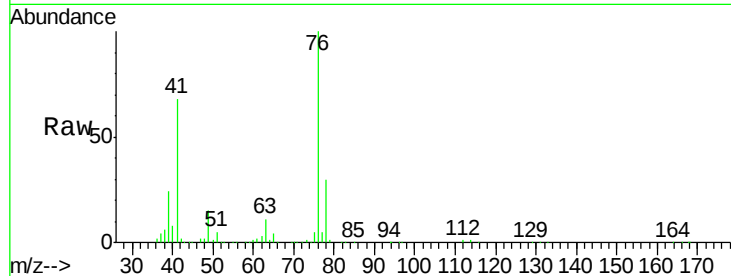
78 32.4 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

50000

40000

30000

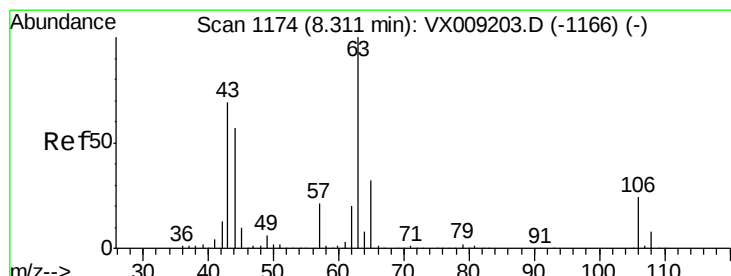
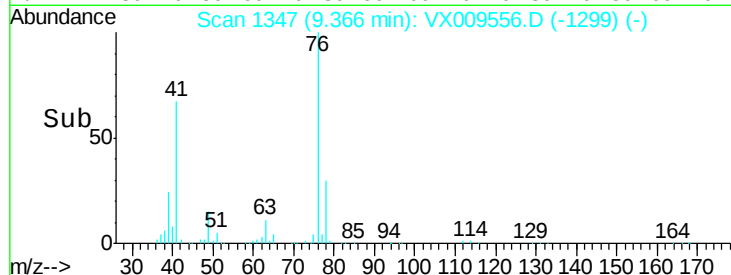
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 82.984 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009556.D

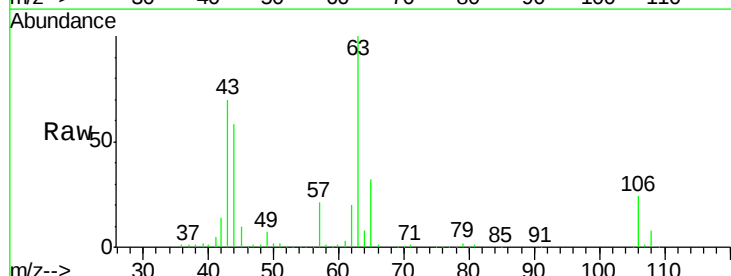
Acq: 14 May 2019 12:17

Tgt Ion: 63 Resp: 137579

Ion Ratio Lower Upper

63 100

106 24.8 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

100000

80000

60000

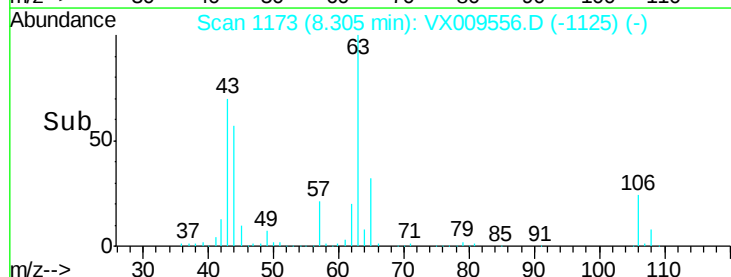
40000

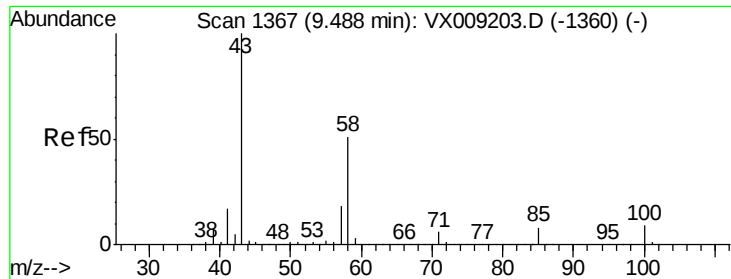
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->





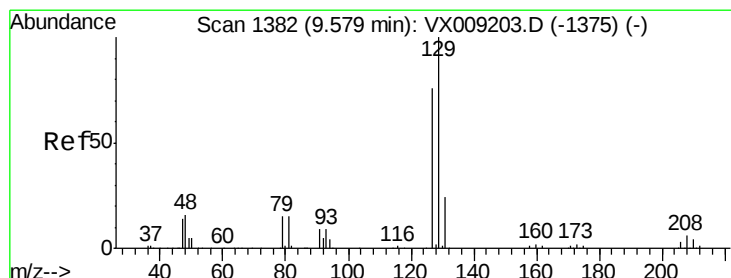
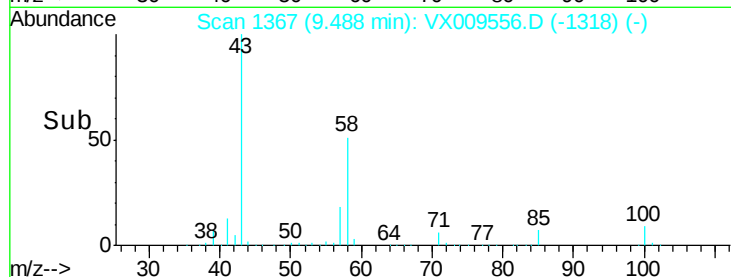
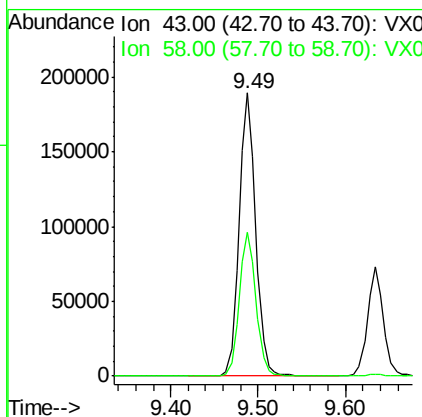
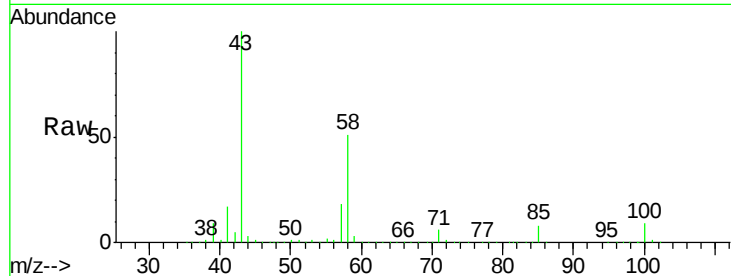
#59  
2-Hexanone  
Concen: 96.617 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

Tot Ion: 43 Resp: 252142  
Ion Ratio Lower Upper  
43 100  
58 51.4 25.9 77.7

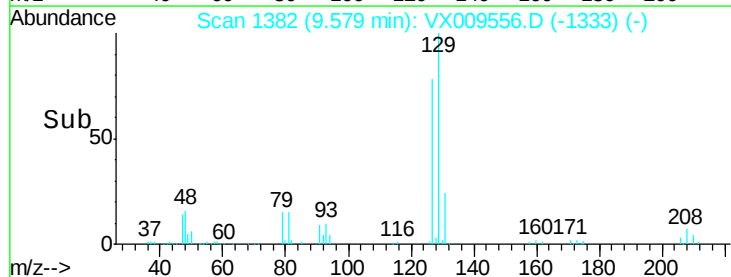
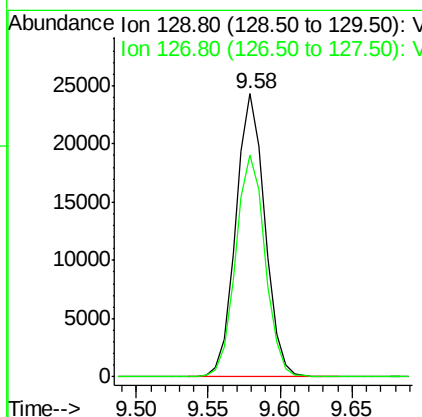
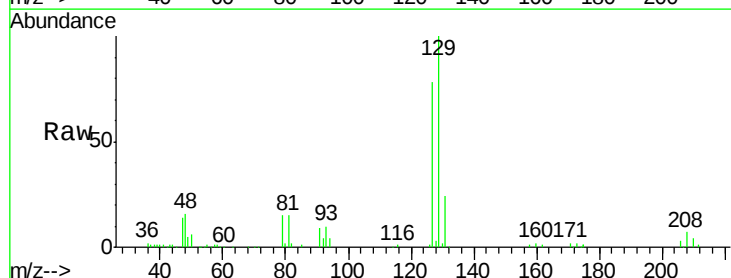
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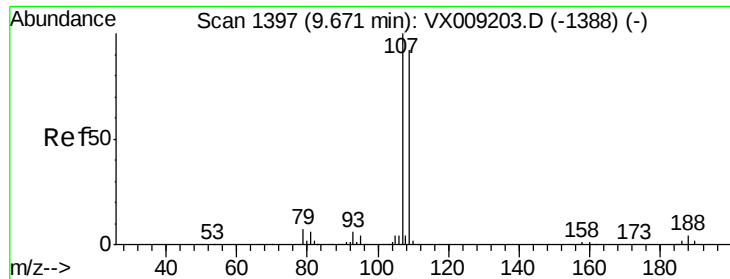
MMDadoda  
5/15/2019 12:25:15 PM



#60  
Dibromochloromethane  
Concen: 20.078 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Tgt Ion: 129 Resp: 34332  
Ion Ratio Lower Upper  
129 100  
127 78.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.398 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion:107 Resp: 36049

Ion Ratio Lower Upper

107 100

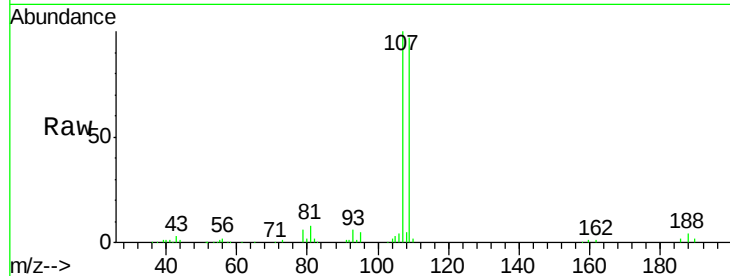
109 94.5 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

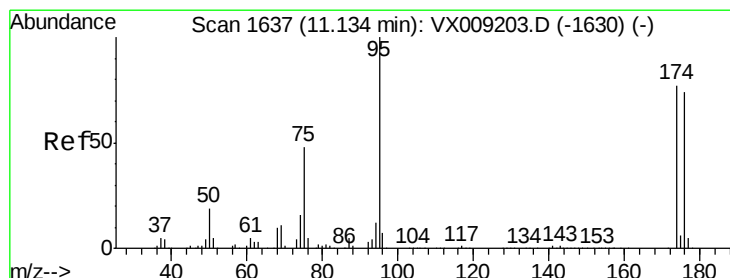
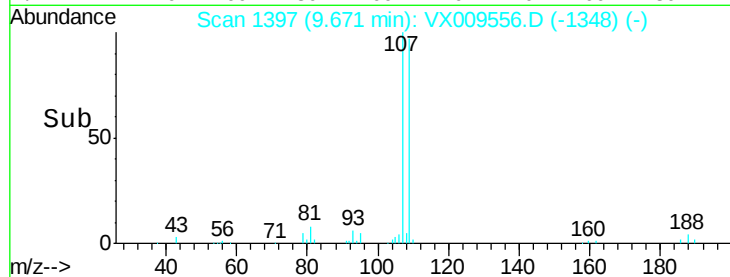
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 54.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

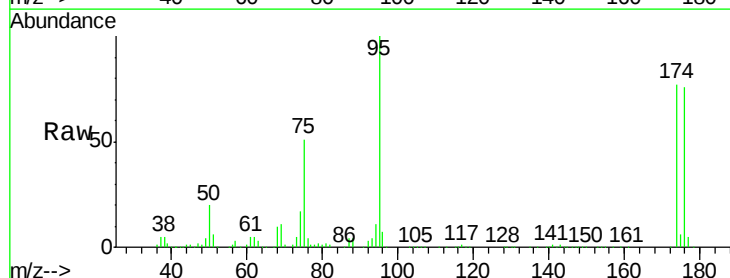
Tgt Ion: 95 Resp: 123245

Ion Ratio Lower Upper

95 100

174 80.9 0.0 161.6

176 78.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

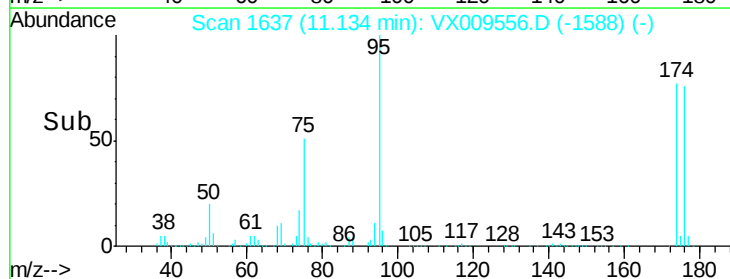
100000

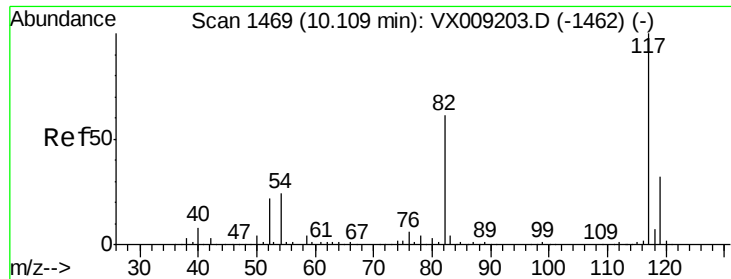
50000

0

Time-->

11.10 11.20





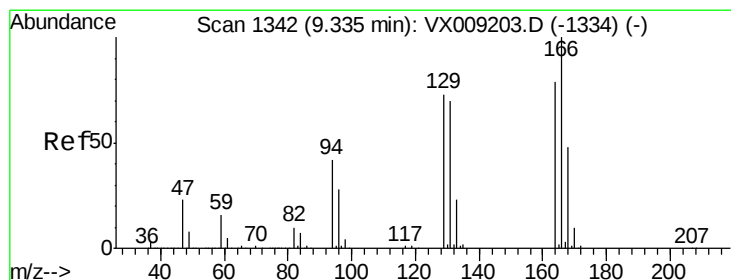
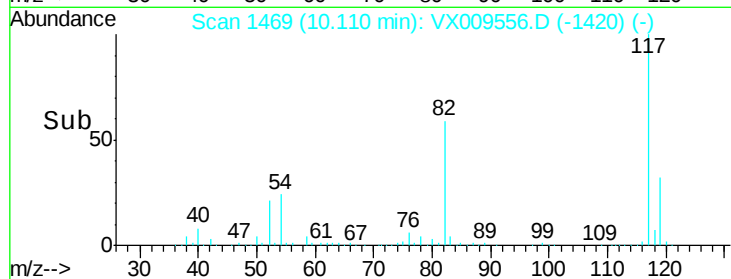
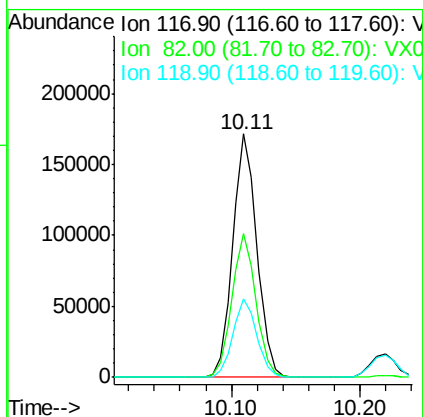
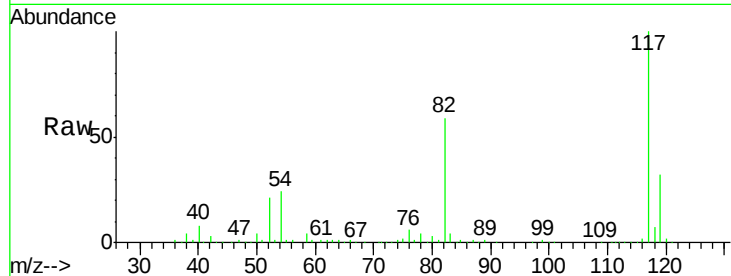
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.3  | 48.8  | 73.2  |
| 119     | 32.2  | 25.8  | 38.6  |

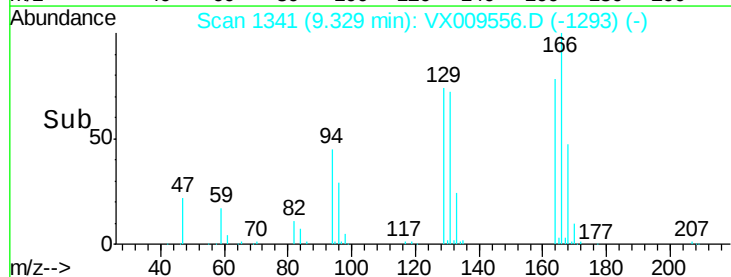
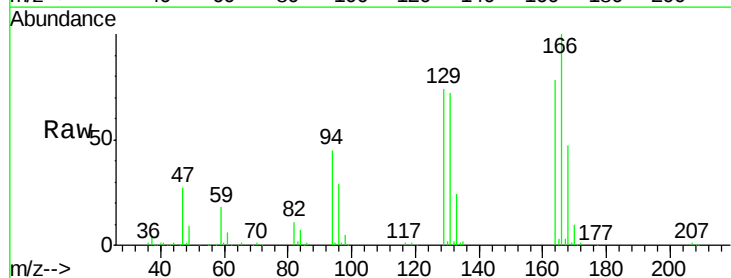
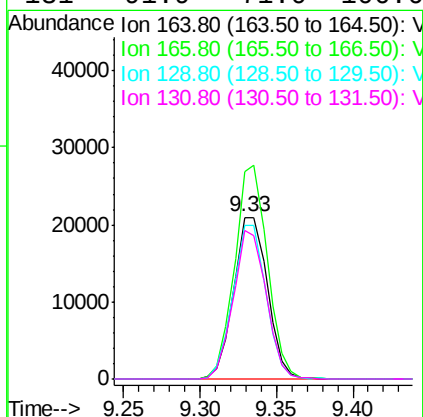
Manual Integrations  
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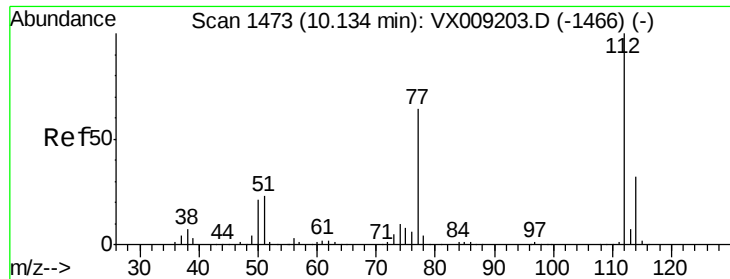
MMDadoda  
5/15/2019 12:25:15 PM



#64  
Tetrachloroethene  
Concen: 20.888 ug/l  
RT: 9.33 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.1 | 101.2 | 151.8 |
| 129     | 95.0  | 74.3  | 111.5 |
| 131     | 91.9  | 71.0  | 106.6 |





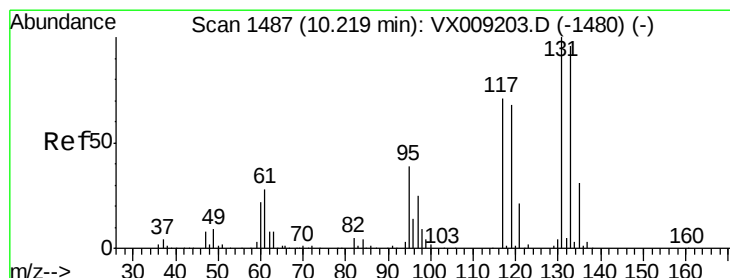
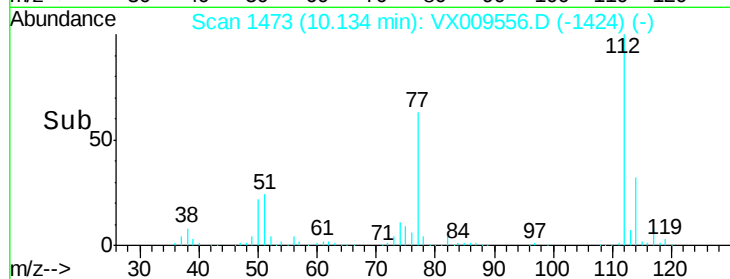
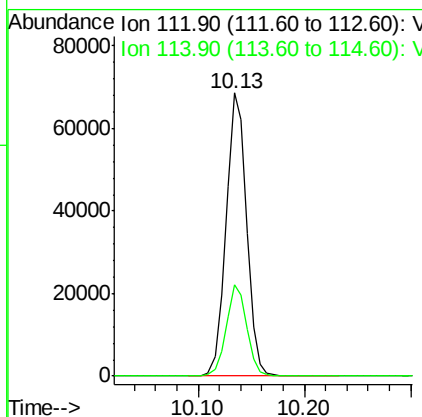
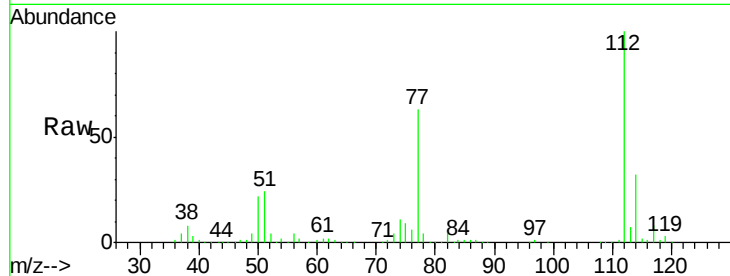
#65  
Chlorobenzene  
Concen: 20.688 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

Tot Ion:112 Resp: 92807  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.5 38.3

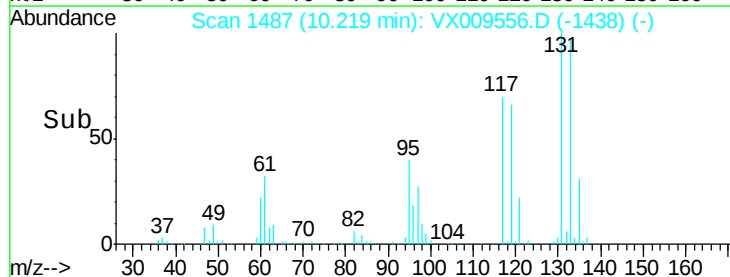
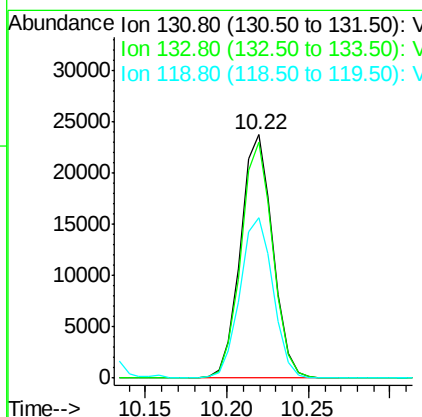
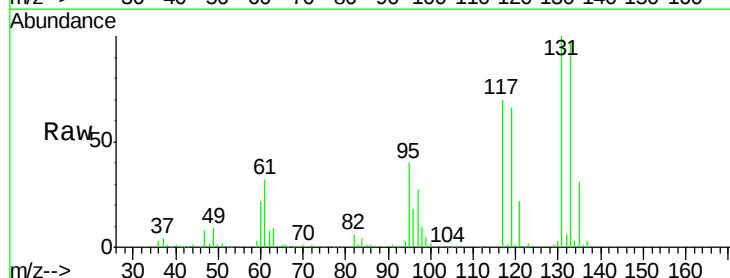
Manual Integrations  
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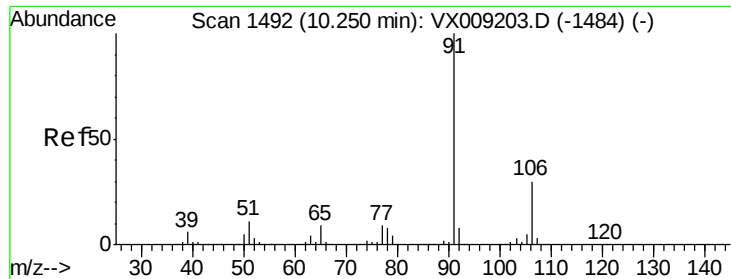
MMDadoda  
5/15/2019 12:25:15 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.103 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Tgt Ion:131 Resp: 32694  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.7 143.1  
119 67.4 33.5 100.4





#67

Ethyl Benzene

Concen: 20.757 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 91 Resp: 171365

Ion Ratio Lower Upper

91 100

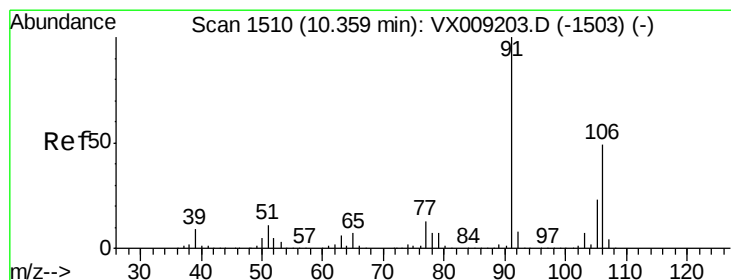
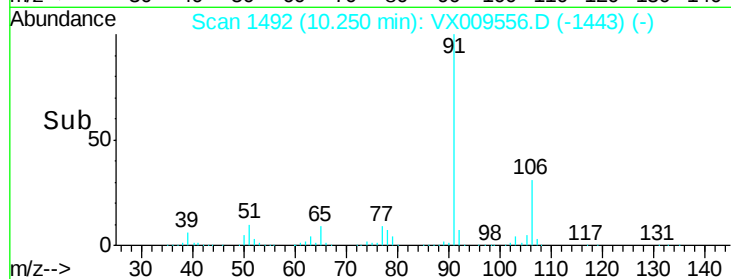
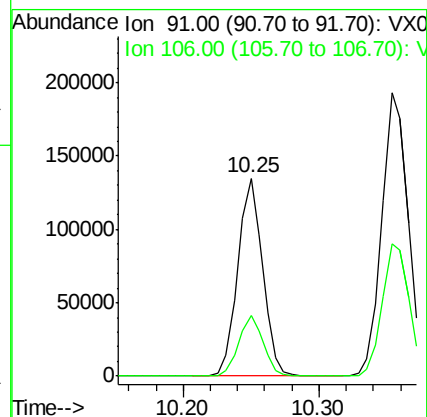
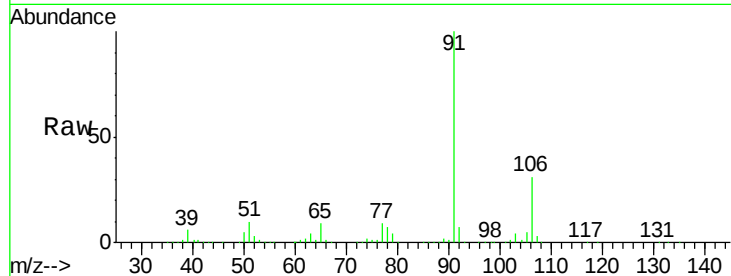
106 30.8 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.321 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009556.D

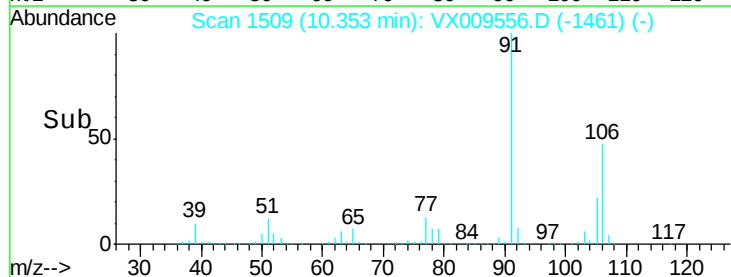
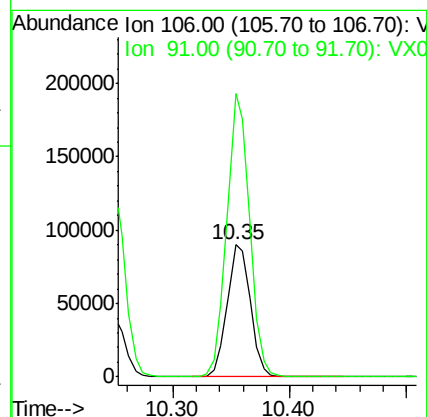
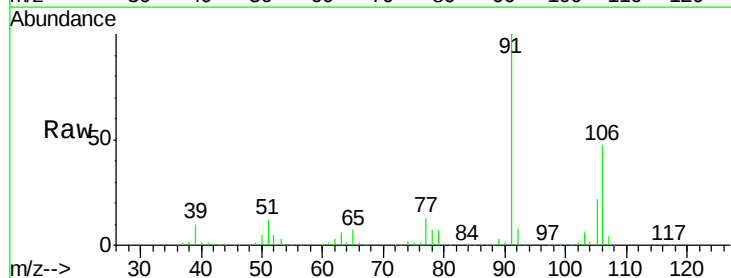
Acq: 14 May 2019 12:17

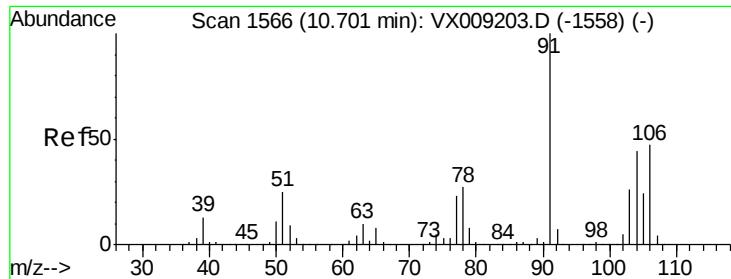
Tgt Ion: 106 Resp: 124663

Ion Ratio Lower Upper

106 100

91 209.1 164.0 246.0





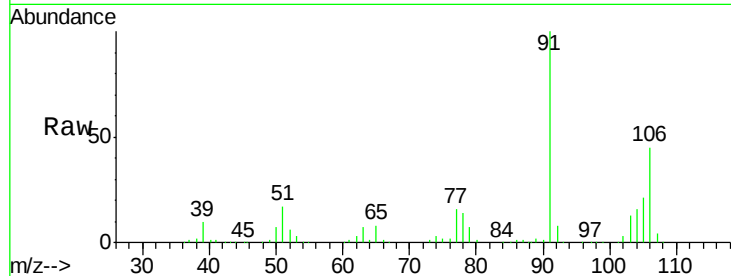
#69  
o-Xylene  
Concen: 20.311 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

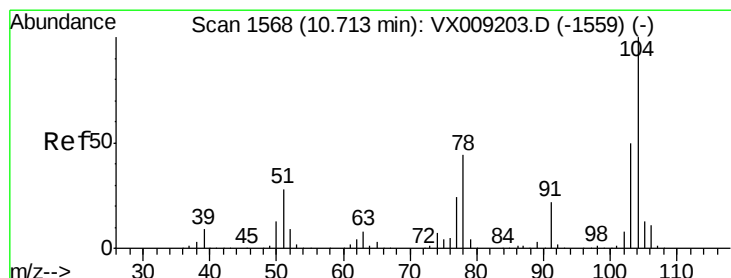
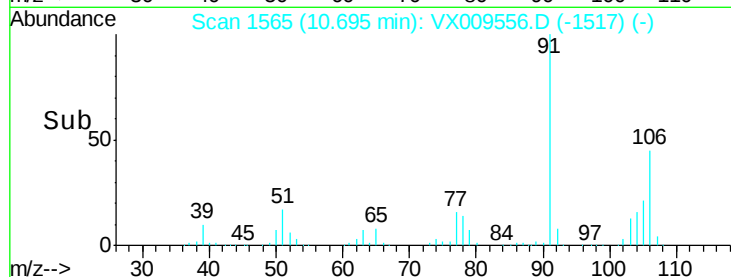
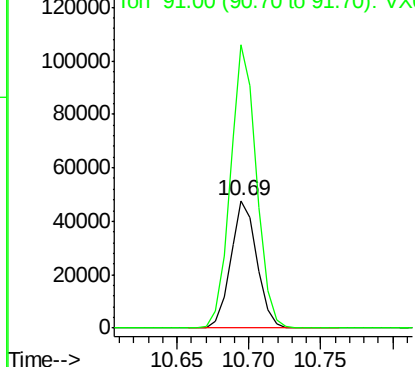
Tot Ion:106 Resp: 60460  
Ion Ratio Lower Upper  
106 100  
91 221.3 109.5 328.4

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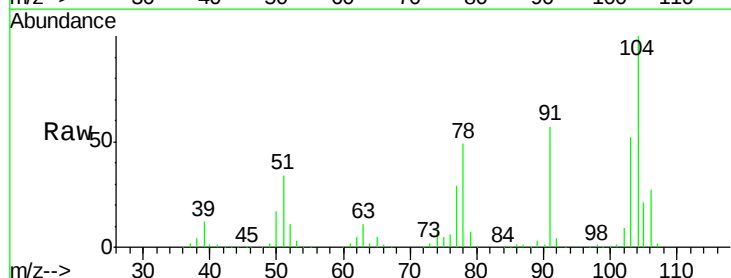


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

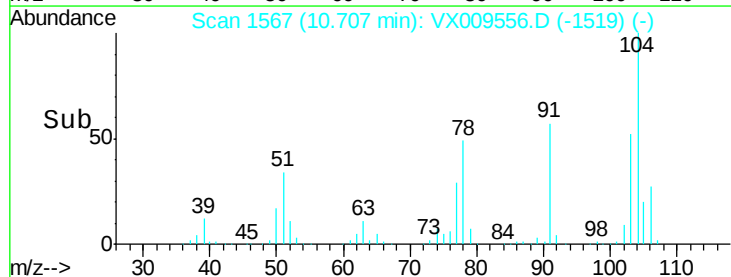
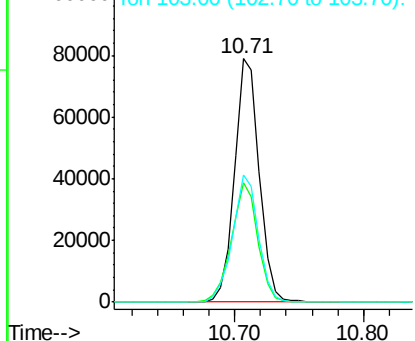


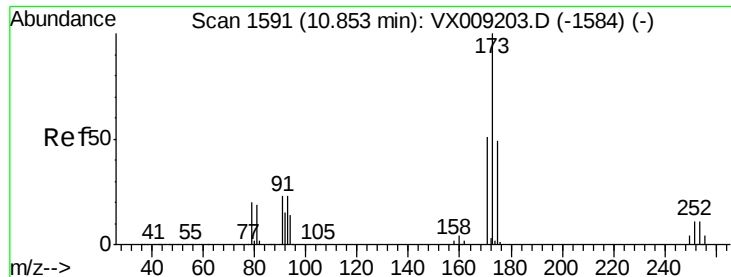
#70  
Styrene  
Concen: 20.335 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Tgt Ion:104 Resp: 105206  
Ion Ratio Lower Upper  
104 100  
78 52.4 41.0 61.4  
103 55.0 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.362 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion:173 Resp: 25590

Ion Ratio Lower Upper

173 100

175 49.7 24.5 73.5

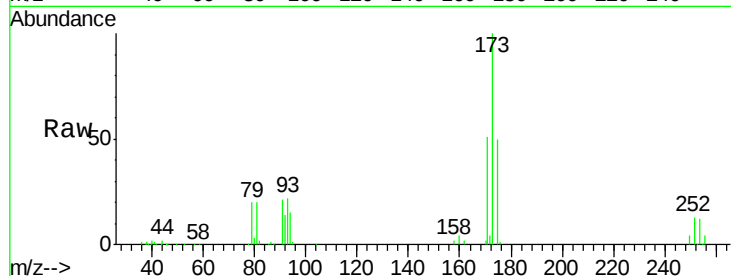
254 0.3 0.1 0.1#

Manual Integrations

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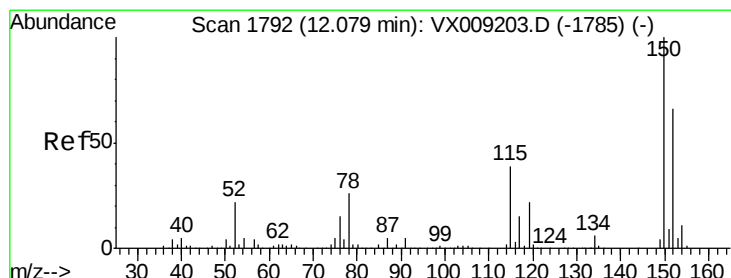
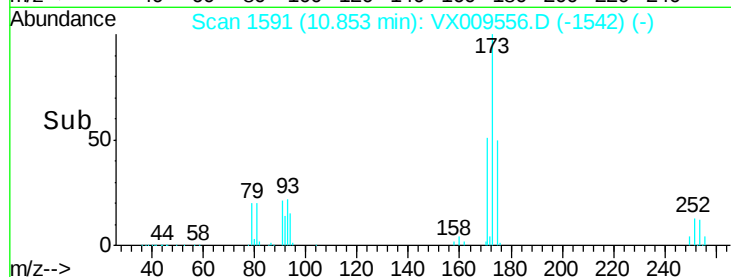
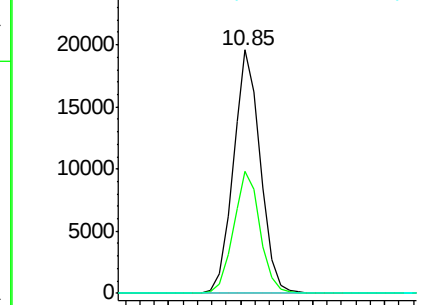
5/15/2019 12:25:15 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

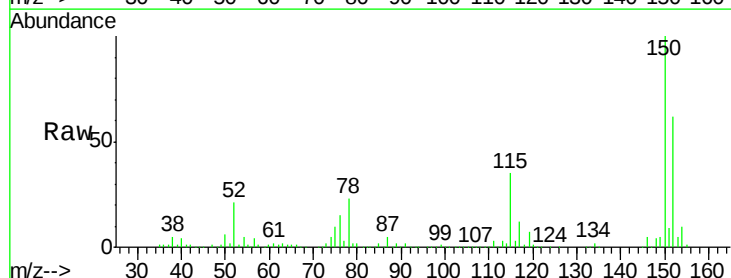
Tgt Ion:152 Resp: 112024

Ion Ratio Lower Upper

152 100

115 67.3 41.2 123.6

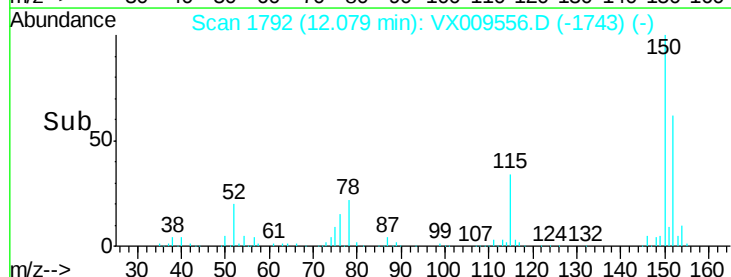
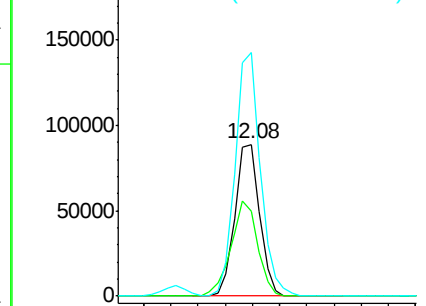
150 164.1 0.0 346.4

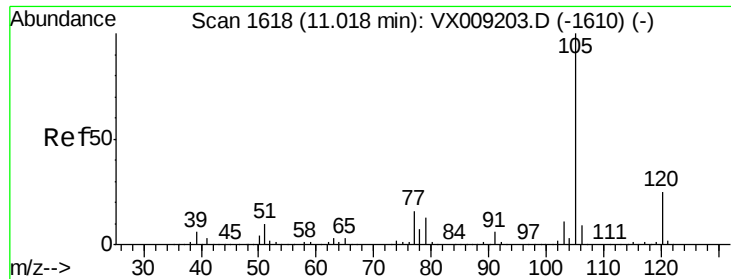


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.281 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 105 Resp: 165214

Ion Ratio Lower Upper

105 100

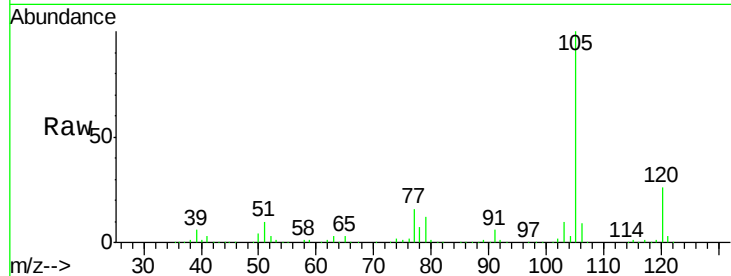
120 25.8 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

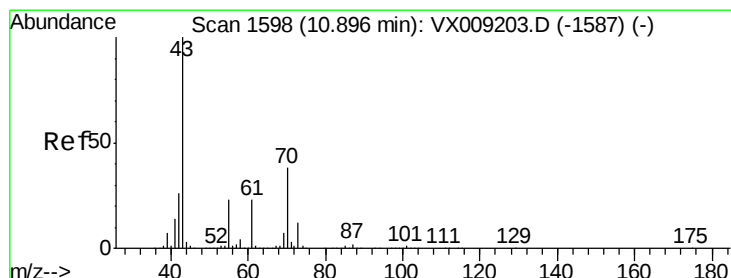
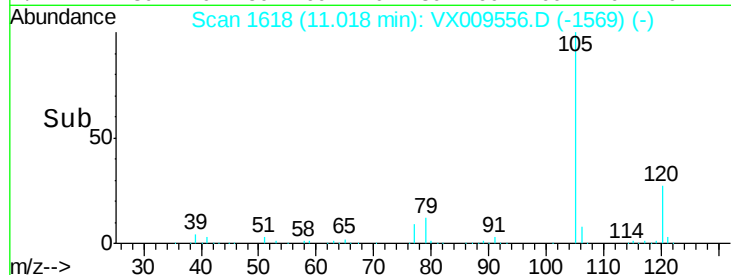
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.634 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Tgt Ion: 43 Resp: 88499

Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 23.6 17.9 26.9

61 22.7 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

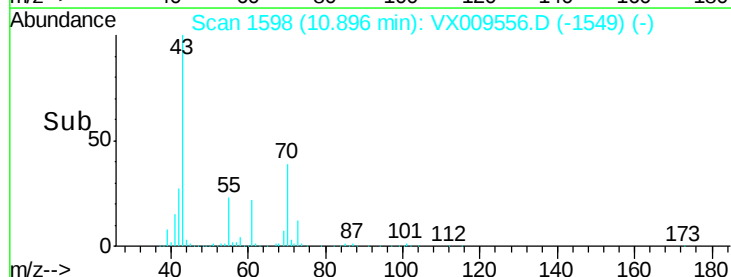
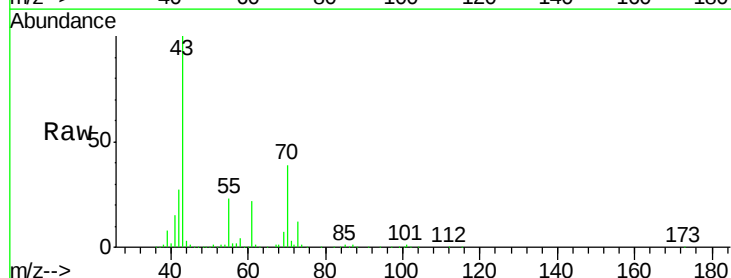
60000

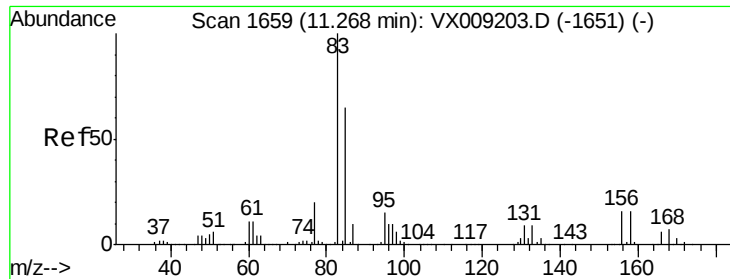
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.118 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

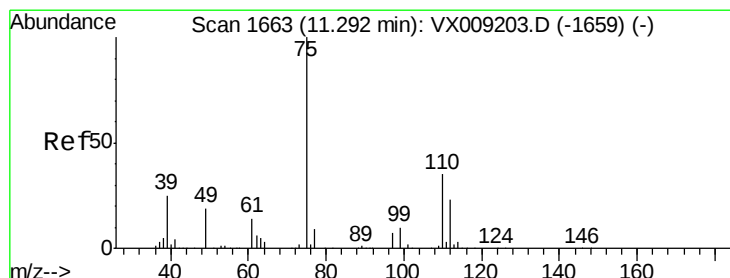
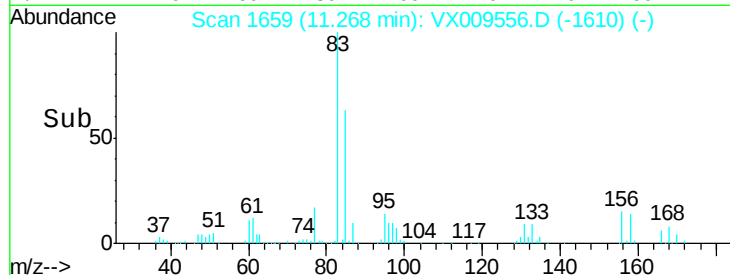
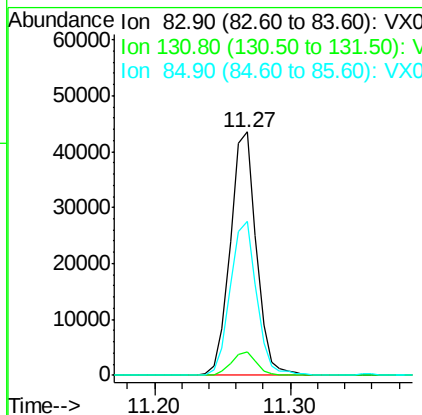
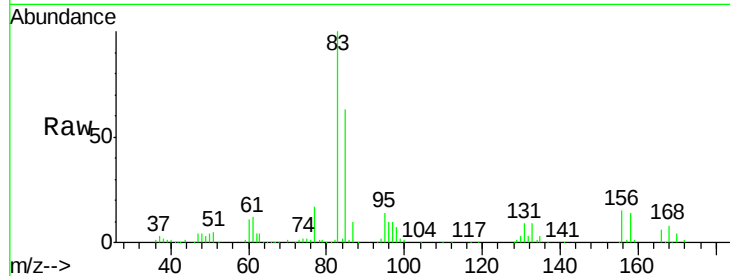
ClientSampleId :

VX0514WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 58058 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.3   | 4.6   | 13.8  |
| 85        | 64.2  | 32.0  | 96.2  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 19.614 ug/l m

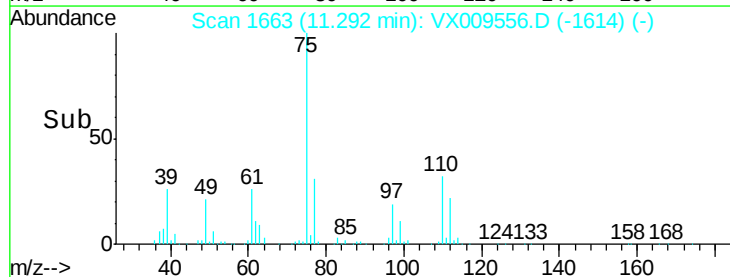
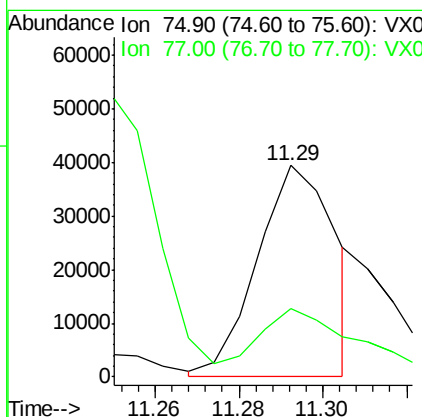
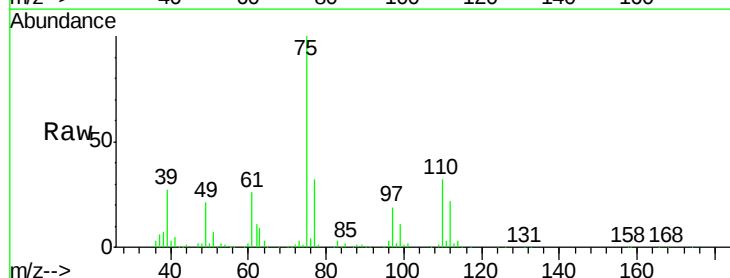
RT: 11.29 min Scan# 1663

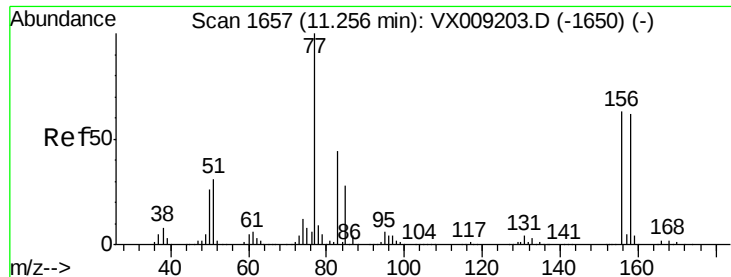
Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 50968 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 41.4  | 22.1  | 66.1  |





#77

Bromobenzene

Concen: 19.940 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion:156 Resp: 40318

Ion Ratio Lower Upper

156 100

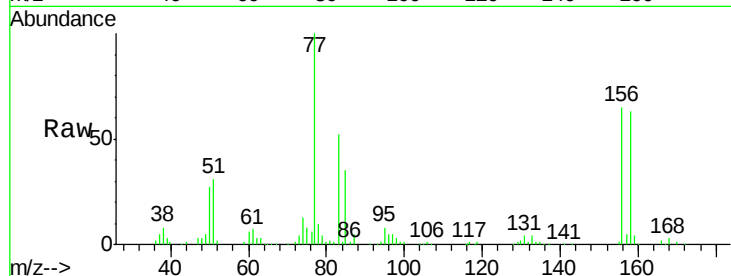
77 168.5 84.8 254.3

158 97.0 49.1 147.3

Manual Integrations  
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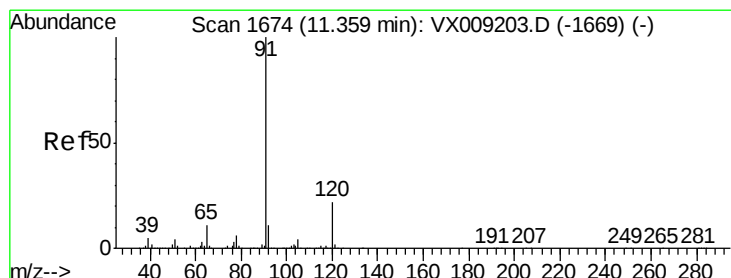
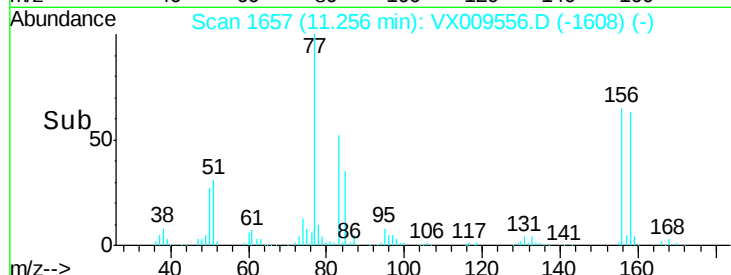
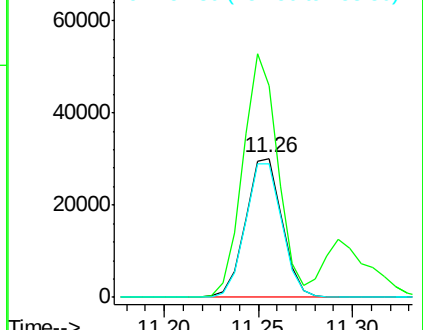
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.412 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009556.D

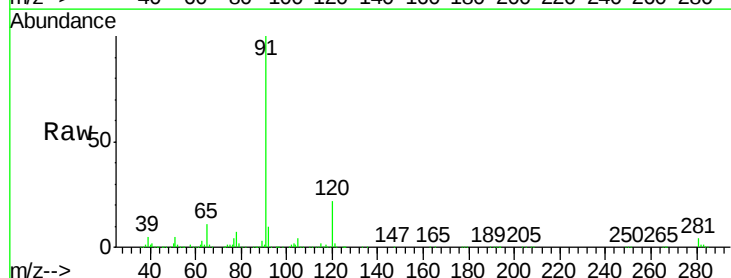
Acq: 14 May 2019 12:17

Tgt Ion: 91 Resp: 189905

Ion Ratio Lower Upper

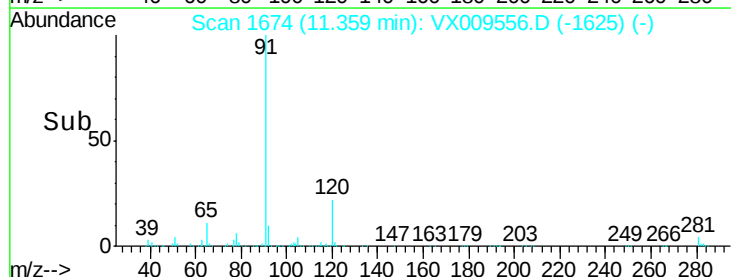
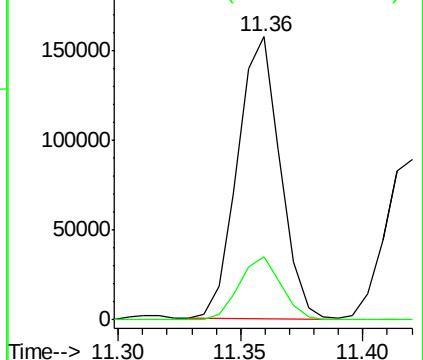
91 100

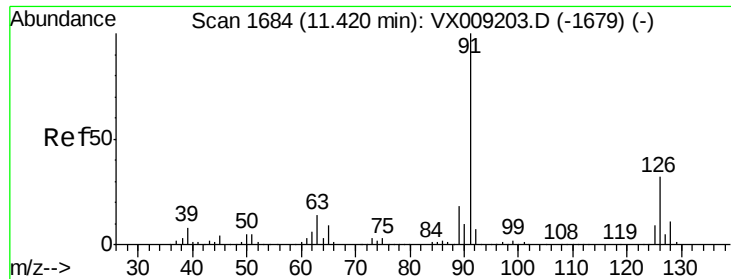
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.908 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion: 91 Resp: 114267

Ion Ratio Lower Upper

91 100

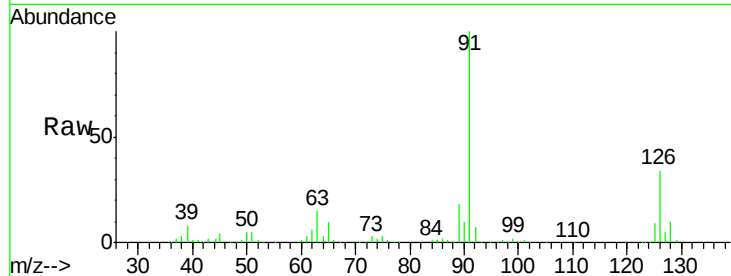
126 32.9 16.3 48.9

Manual Integrations

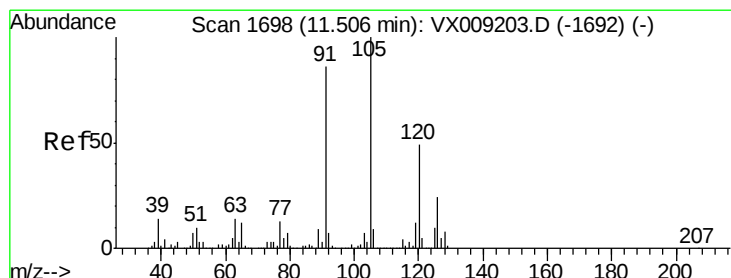
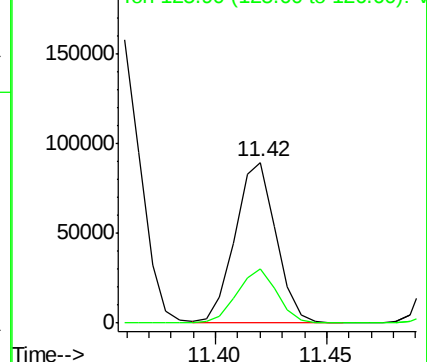
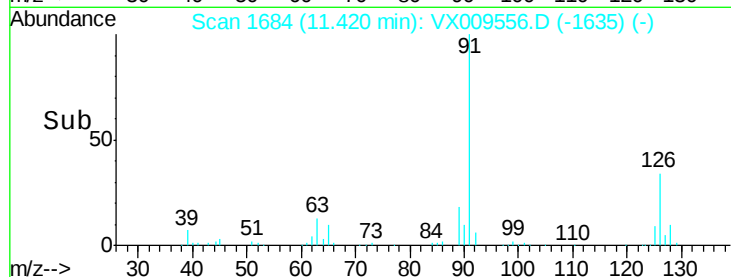
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Abundance Ion 91.00 (90.70 to 91.70): VX009556.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.396 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009556.D

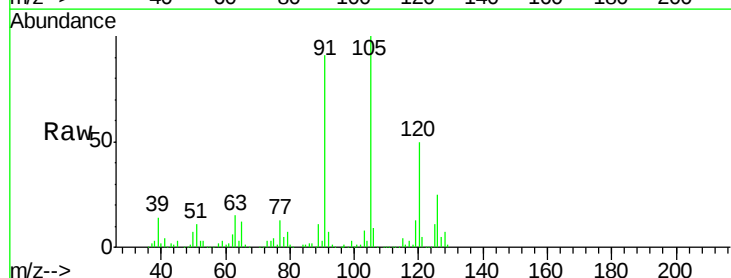
Acq: 14 May 2019 12:17

Tgt Ion: 105 Resp: 139898

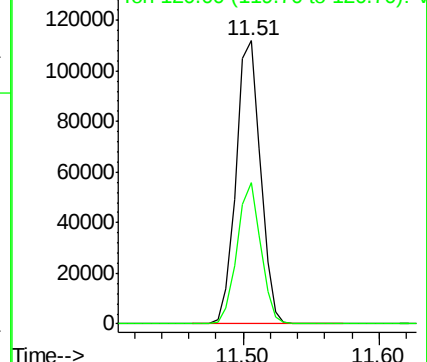
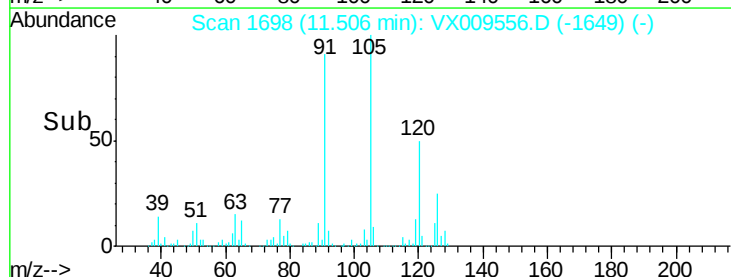
Ion Ratio Lower Upper

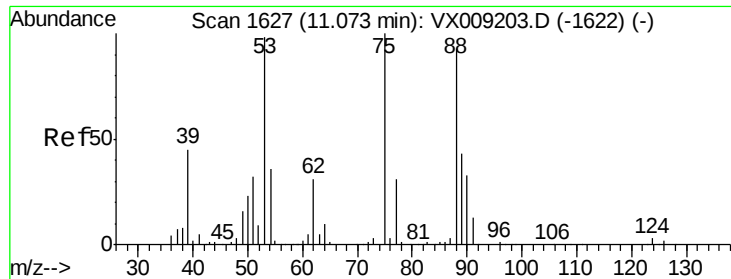
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009556.D (-1649) (-)





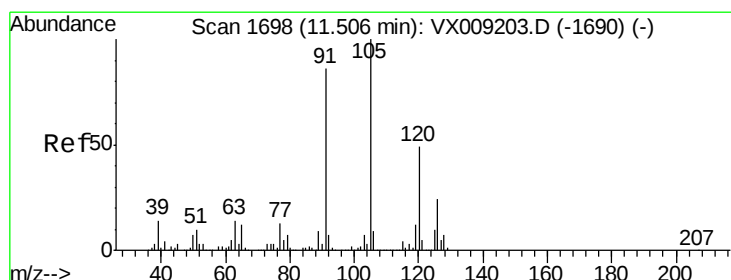
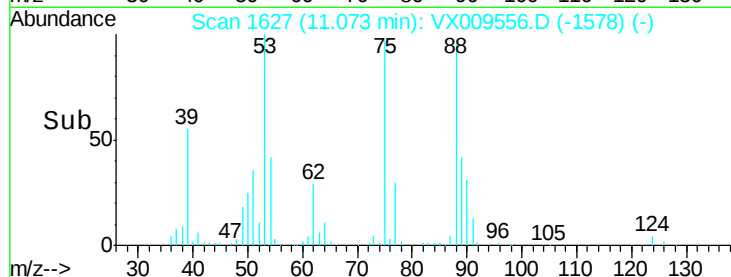
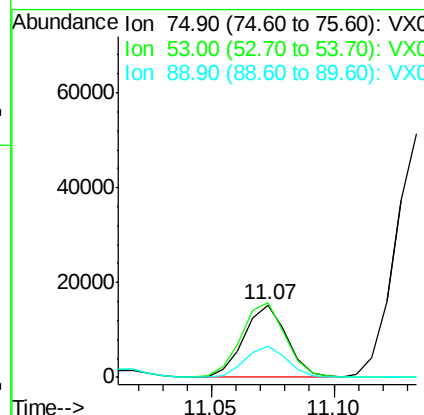
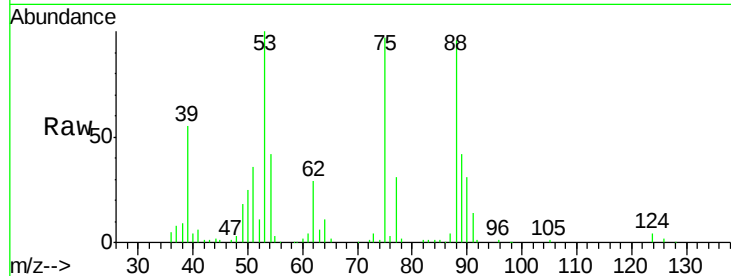
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.397 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 106.8 | 79.0  | 118.6 |
| 89      | 43.4  | 34.7  | 52.1  |

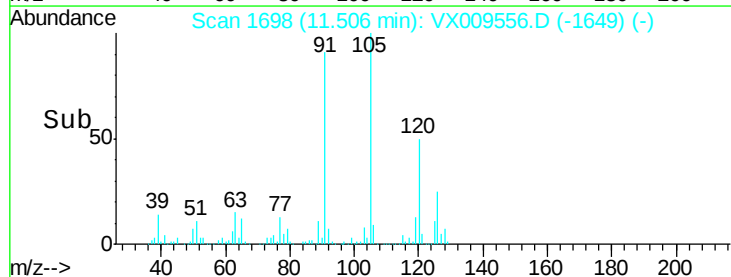
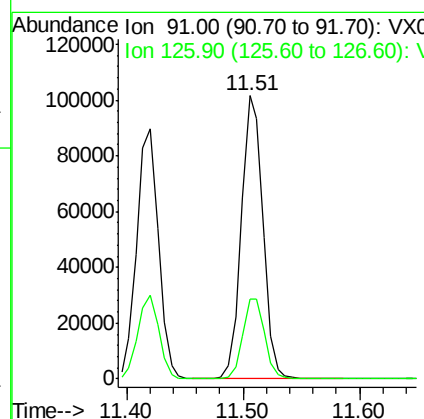
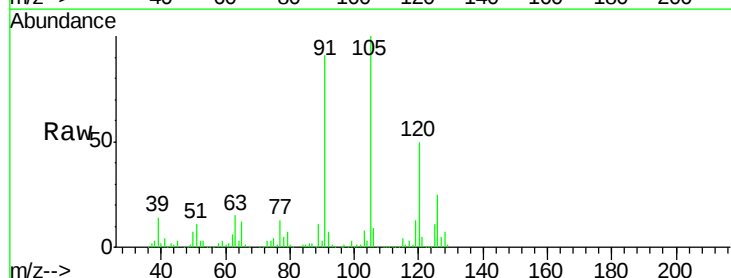
Manual Integrations  
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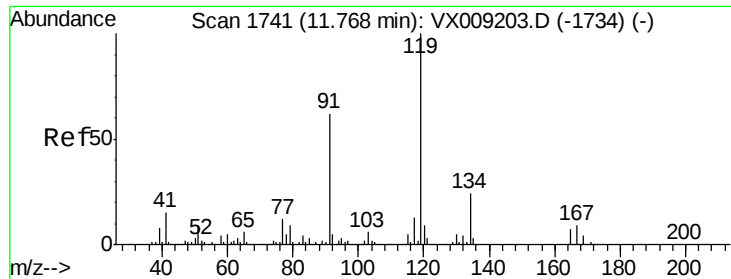
MMDadoda  
5/15/2019 12:25:15 PM



#82  
4-Chlorotoluene  
Concen: 20.245 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.7  | 14.5  | 43.6  |





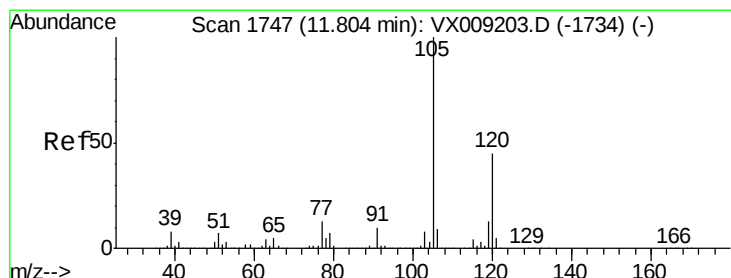
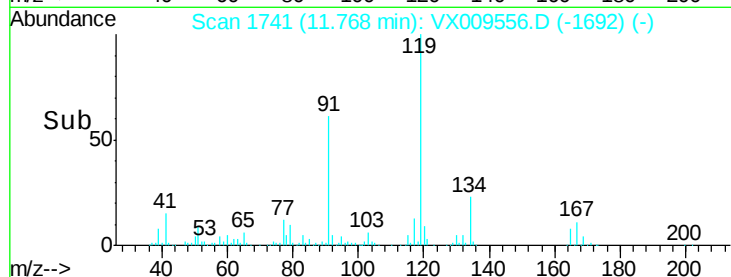
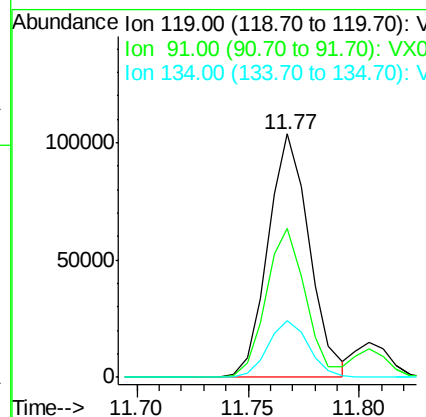
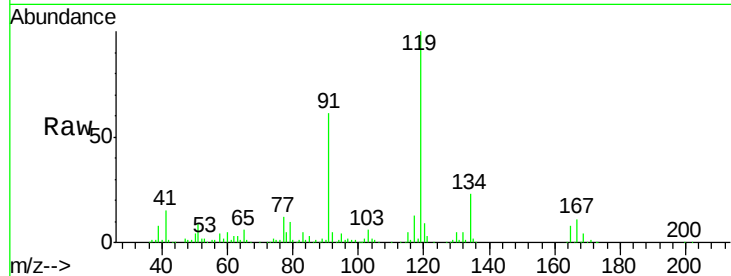
#83  
tert-Butylbenzene  
Concen: 20.049 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0514WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 133779 |       |       |
| 91      | 59.0  |        | 29.5  | 88.5  |
| 134     | 22.8  |        | 11.4  | 34.1  |

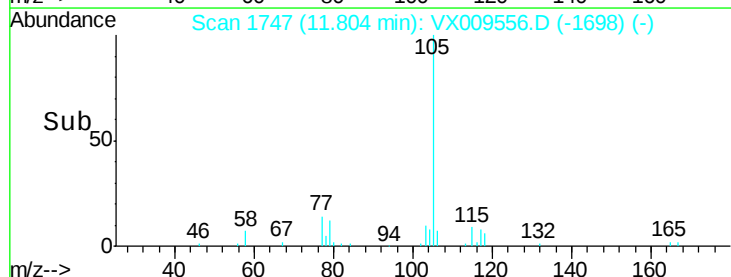
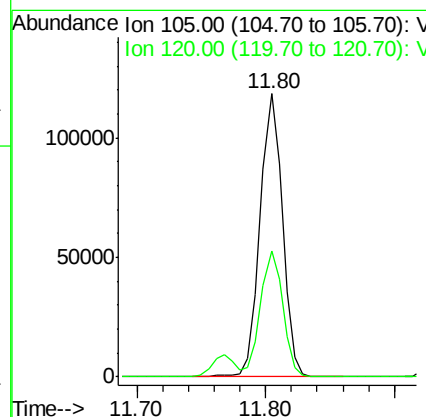
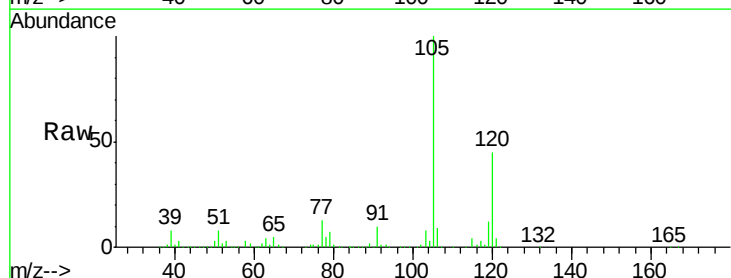
Manual Integrations  
APPROVED

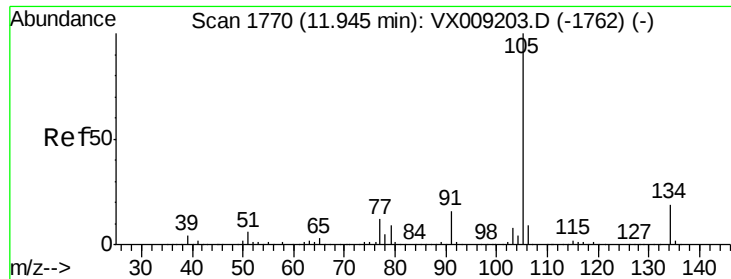
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 20.535 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 141378 |       |       |
| 120     | 44.7  |        | 22.0  | 66.0  |





#85

sec-Butylbenzene

Concen: 20.459 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

ClientSampleId :

VX0514WBS01

Tot Ion:105 Resp: 161846

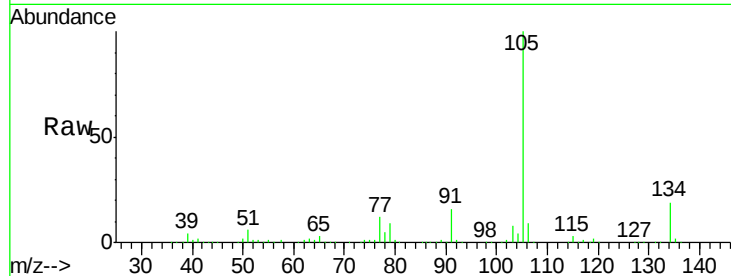
Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9

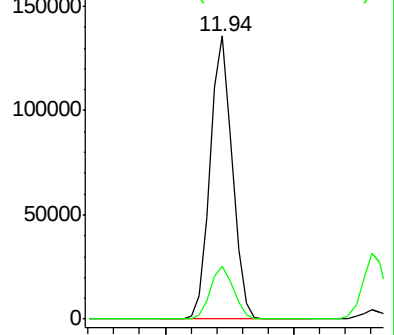
Manual Integrations  
APPROVED

MMDadoda  
5/15/2019 12:25:15 PM

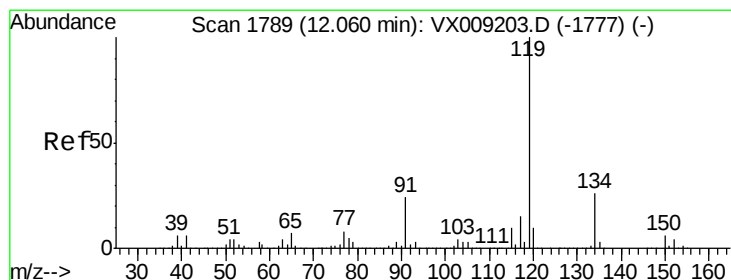
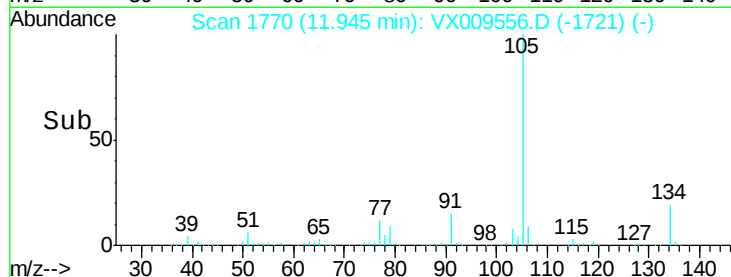


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.590 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

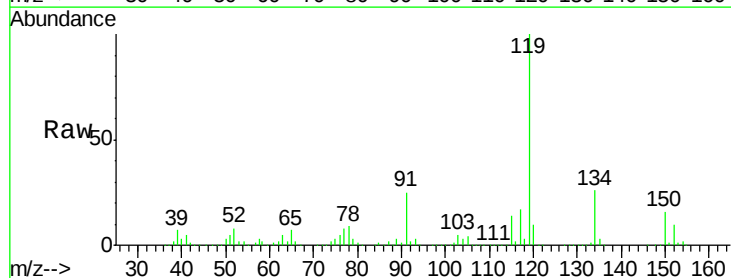
Tgt Ion:119 Resp: 146431

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

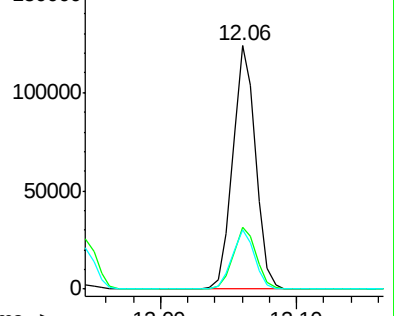
91 24.3 11.8 35.4



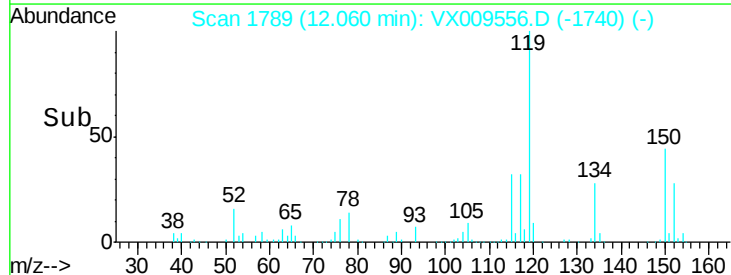
Abundance Ion 119.00 (118.70 to 119.70): V

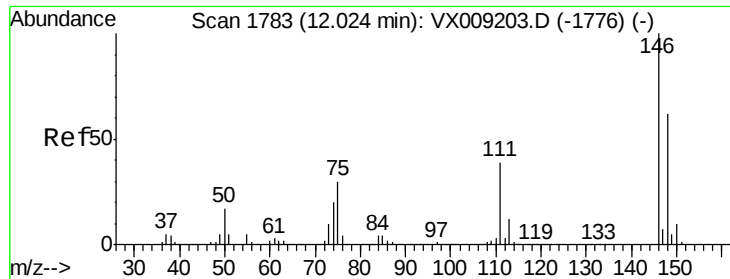
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->





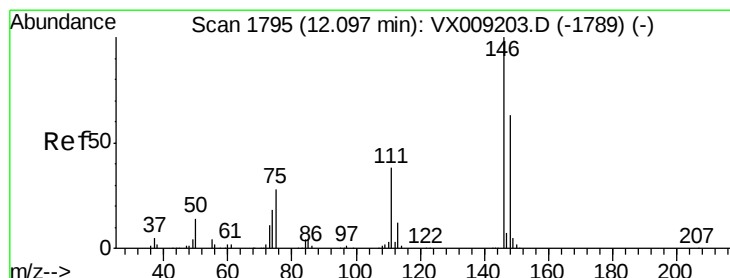
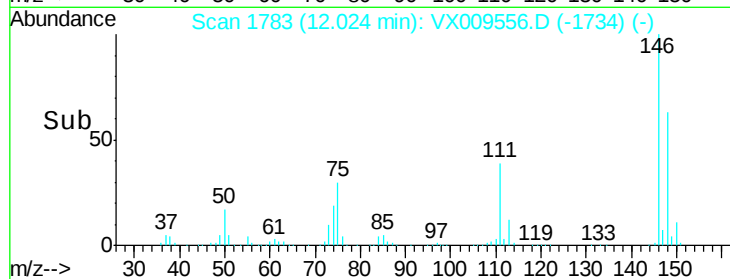
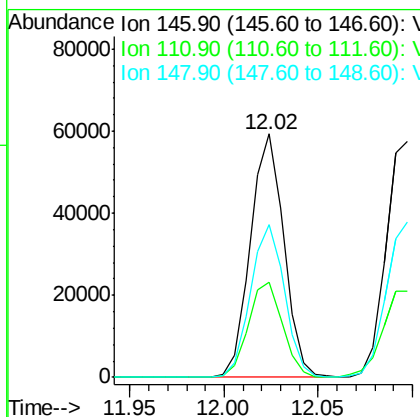
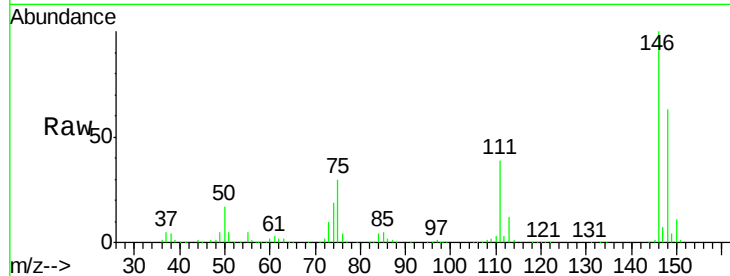
#87  
 1,3-Dichlorobenzene  
 Concen: 20.292 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 20.0  | 59.9  |
| 148     | 63.7  | 31.8  | 95.3  |

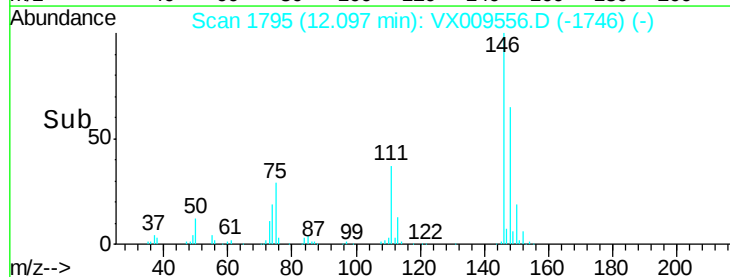
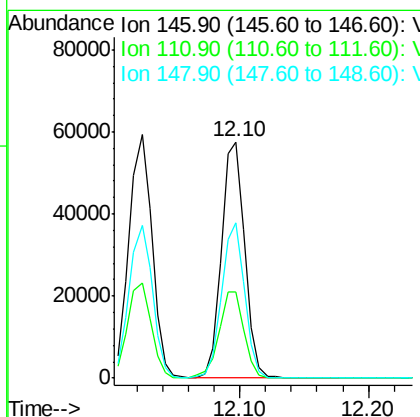
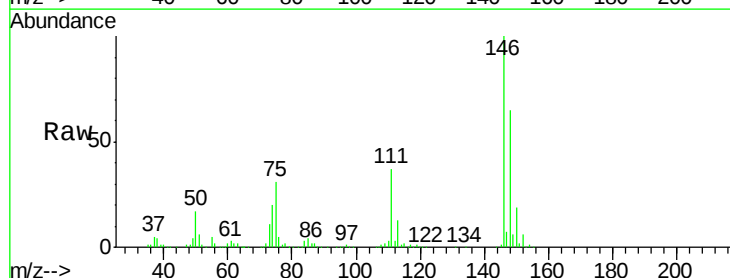
Manual Integrations  
 APPROVED

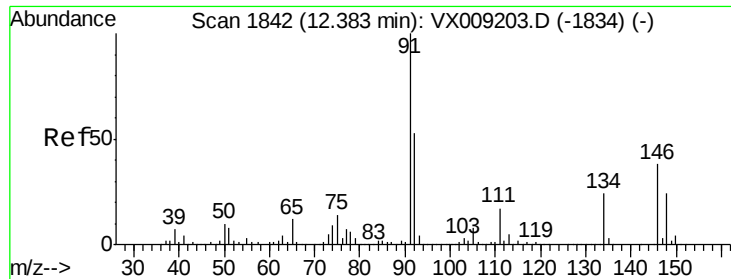
MMDadoda  
 5/15/2019 12:25:15 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.240 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.6  | 58.8  |
| 148     | 64.9  | 31.8  | 95.3  |





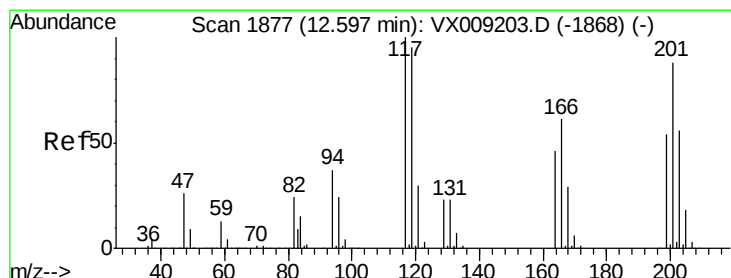
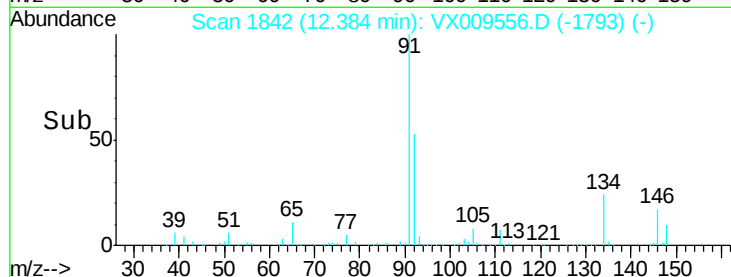
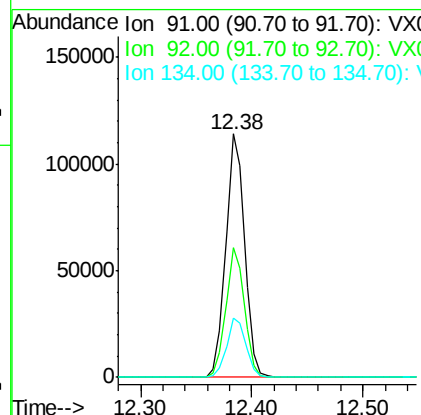
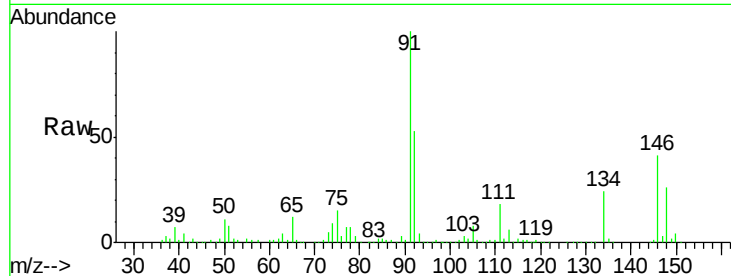
#89  
n-Butylbenzene  
Concen: 20.759 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0514WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 26.5  | 79.5  |
| 134     | 24.6  | 12.4  | 37.2  |

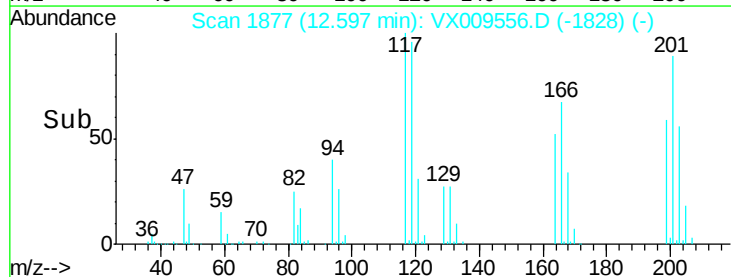
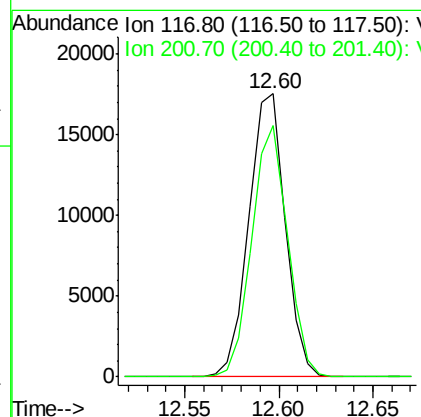
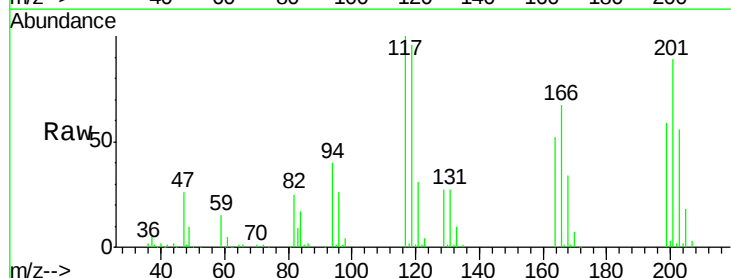
Manual Integrations  
APPROVED

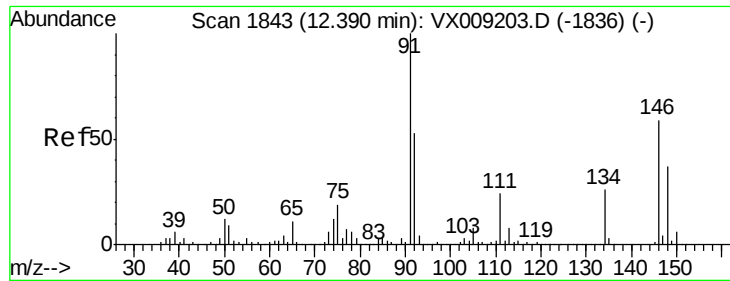
MMDadoda  
5/15/2019 12:25:15 PM



#90  
Hexachloroethane  
Concen: 19.412 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX009556.D  
Acq: 14 May 2019 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.1  | 42.3  | 126.9 |





#91

1,2-Dichlorobenzene

Concen: 19.850 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

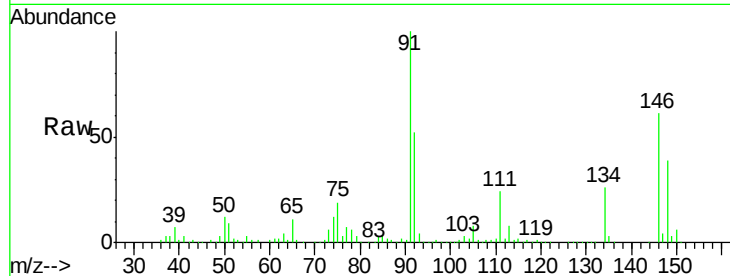
ClientSampleId :

VX0514WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 146   | Resp: | 72874 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 41.2  | 20.8  | 62.4  |
| 148      | 65.1  | 31.9  | 95.9  |

Manual Integrations  
APPROVED

MMDadoda  
5/15/2019 12:25:15 PM

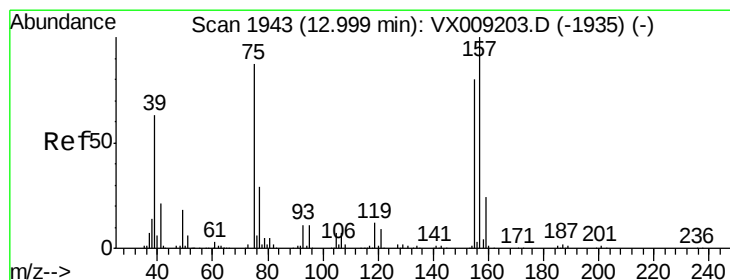
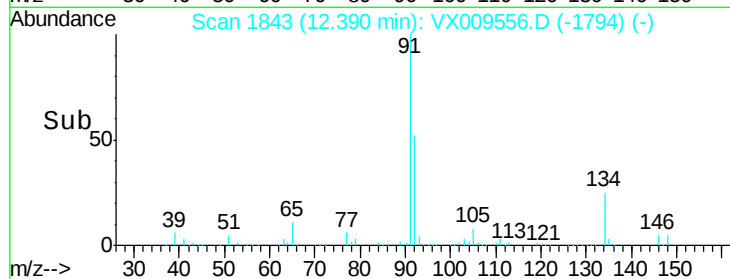
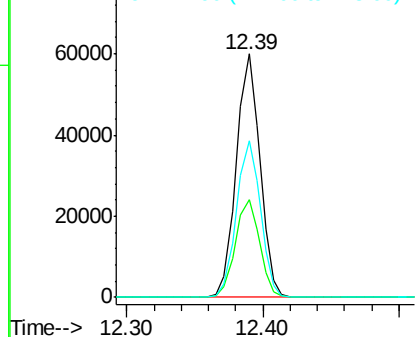


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.970 ug/l

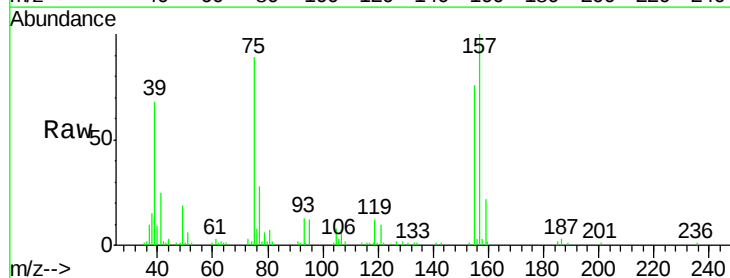
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12242 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 87.1  | 42.0  | 126.0 |
| 157      | 108.0 | 53.2  | 159.6 |

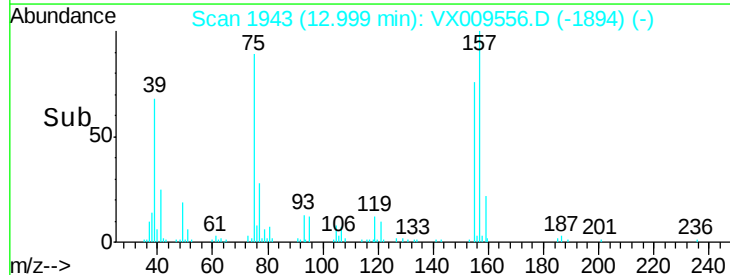
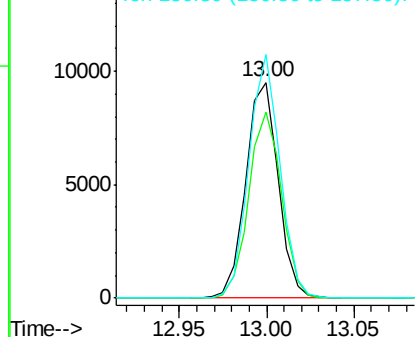


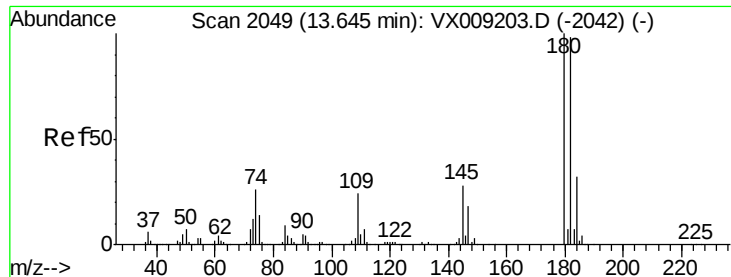
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





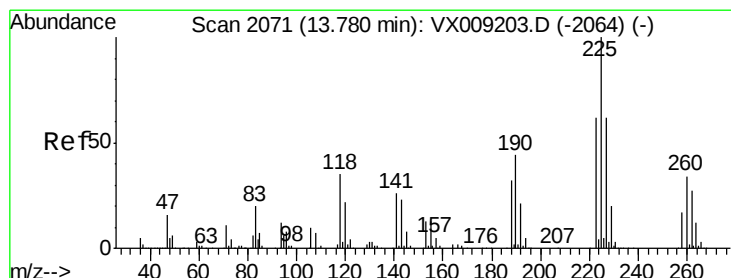
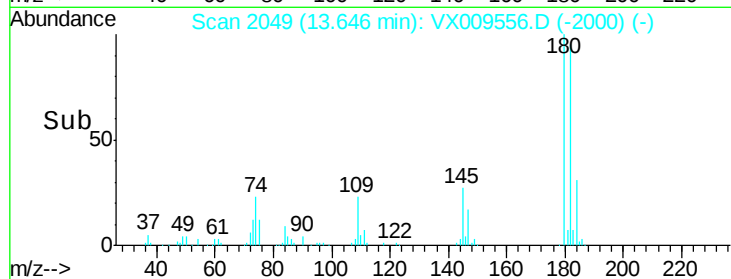
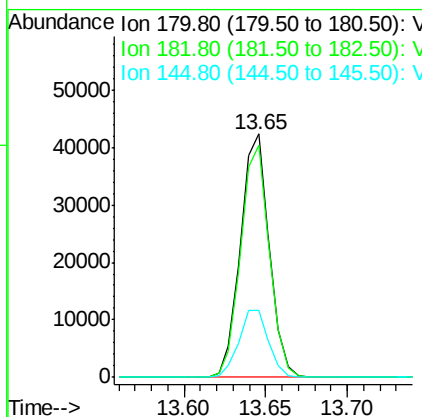
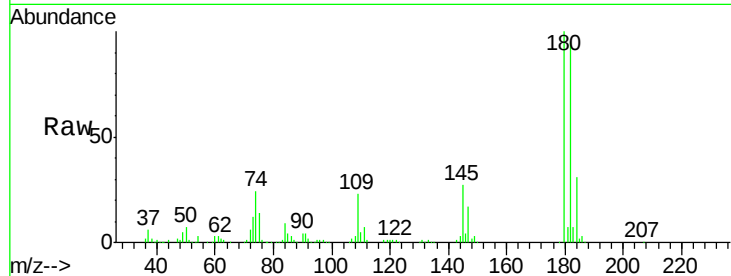
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.689 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0514WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 51941 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.5  | 48.4  | 145.2 |
| 145       | 28.8  | 14.6  | 43.8  |

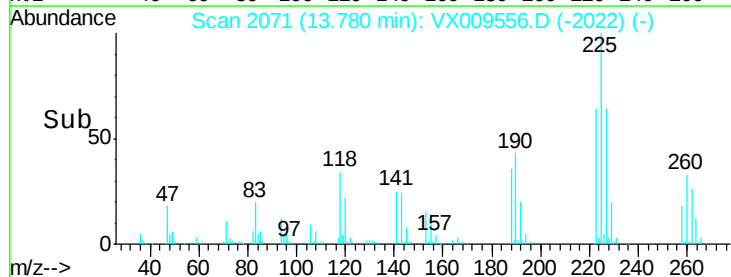
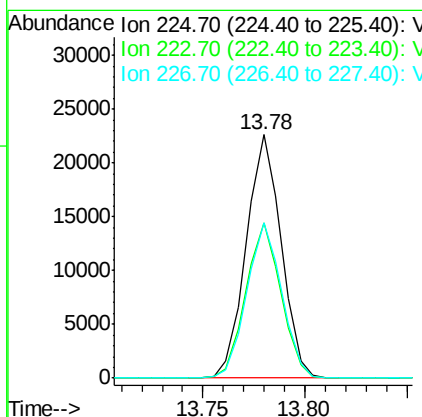
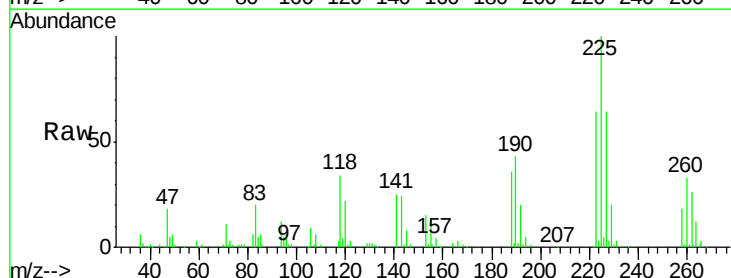
Manual Integrations  
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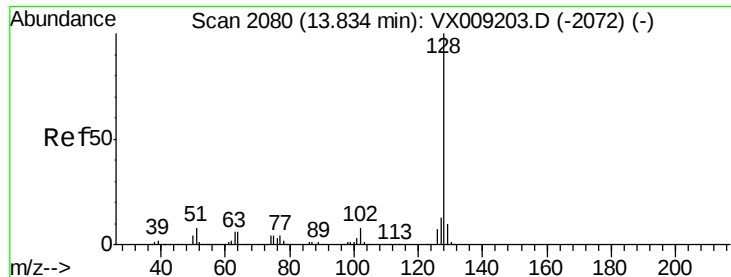
MMDadoda  
 5/15/2019 12:25:15 PM



#94  
 Hexachlorobutadiene  
 Concen: 21.004 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX009556.D  
 Acq: 14 May 2019 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 26928 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.9  | 31.3  | 93.8  |
| 227       | 63.8  | 31.8  | 95.3  |





#95

Naphthalene

Concen: 19.708 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

Instrument :

MSVOA\_X

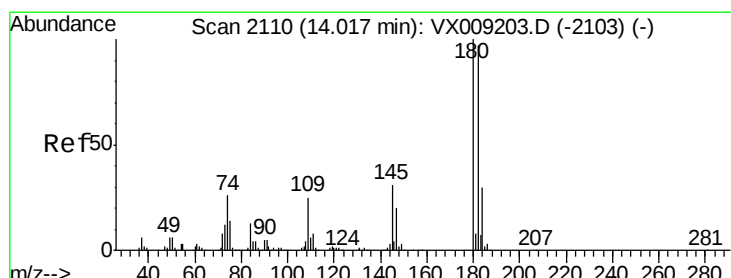
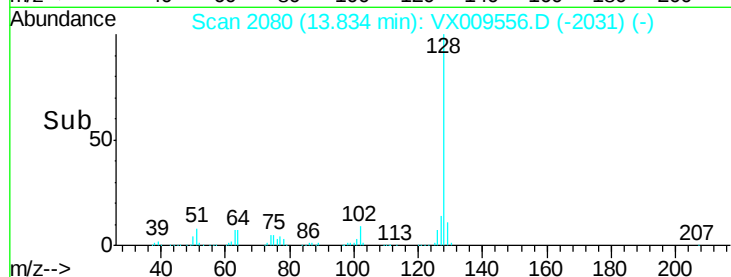
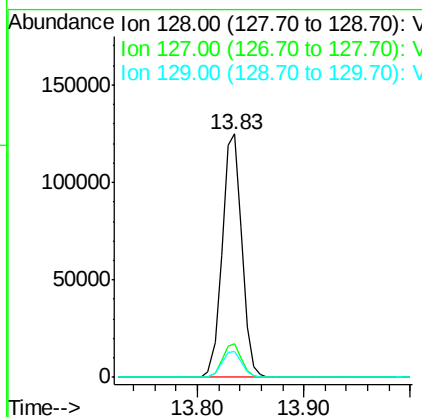
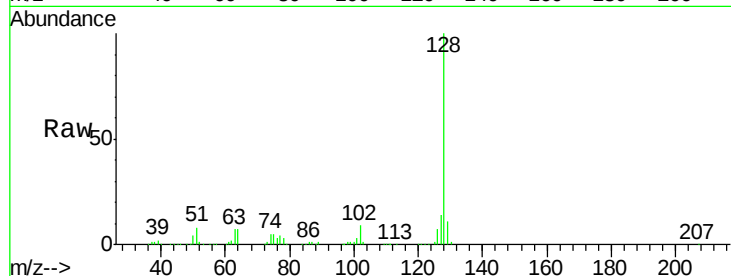
ClientSampleId :

VX0514WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 160974 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.4  | 15.6   |
| 129       | 10.8  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

MMDadoda  
5/15/2019 12:25:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.831 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009556.D

Acq: 14 May 2019 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 53011 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.4  | 47.8  | 143.4 |
| 145       | 30.9  | 15.4  | 46.4  |

