

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\  
 Data File : VX008610.D  
 Acq On : 03 Apr 2019 11:29  
 Operator : JC/SP  
 Sample : VSTDIC150  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 3:38:36 PM

Quant Time: Apr 04 04:24:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:04:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 197700   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 331319   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 284761   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 139318   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 423662   | 146.92 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 293.84% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 318741   | 150.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 300.94% |      |
| 50) Toluene-d8            | 8.72   | 98  | 1253544  | 148.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 297.24% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 446018   | 149.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 298.24% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 314109  | 138.028 | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 407866  | 129.730 | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 431911  | 140.399 | ug/l | 98     |
| 5) Bromomethane               | 1.64 | 94  | 238267  | 145.226 | ug/l | 98     |
| 6) Chloroethane               | 1.70 | 64  | 237016  | 109.649 | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 473096  | 139.121 | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 223723  | 138.730 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 305951  | 139.740 | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 315004  | 174.546 | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 472663  | 700.159 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 316570  | 138.507 | ug/l | 99     |
| 13) Acrolein                  | 2.29 | 56  | 237135  | 708.415 | ug/l | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 737276  | 140.909 | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 1193377 | 667.286 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 1115597 | 671.702 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 972205  | 132.433 | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 538250  | 133.626 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 1174293 | 143.867 | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 364478  | 131.104 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 337700  | 136.597 | ug/l | 96     |
| 22) Diisopropyl ether         | 3.86 | 45  | 1399273 | 138.752 | ug/l | 97     |
| 23) Vinyl Acetate             | 3.82 | 43  | 6297298 | 717.800 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 706449  | 141.486 | ug/l | 99     |
| 25) 2-Butanone                | 4.68 | 43  | 1798356 | 685.082 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 522756  | 148.649 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 393803  | 138.547 | ug/l | 99     |
| 28) Bromochloromethane        | 5.02 | 49  | 294913  | 124.448 | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.13 | 42  | 1180821 | 677.741 | ug/l | 100    |
| 30) Chloroform                | 5.21 | 83  | 624396  | 140.011 | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 687013  | 137.894 | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 530006  | 147.068 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 510212  | 140.878 | ug/l | 100    |
| 37) Ethyl Acetate             | 4.84 | 43  | 684630  | 141.624 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 448048  | 149.474 | ug/l | 98     |

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 Acq On : 03 Apr 2019 11:29  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 3:38:36 PM

Quant Time: Apr 04 04:24:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:04:04 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 634117   | 141.736  | ug/l   | 99       |
| 40) Benzene                    | 6.14  | 78   | 1525201  | 141.362  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.05  | 41   | 386423   | 139.066  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 531973   | 137.532  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.45  | 43   | 1105945  | 146.044  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 359901   | 143.221  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 434903   | 141.224  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 249923   | 139.928  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 505926   | 150.231  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 545422   | 142.384  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.74  | 88   | 192418   | 2681.451 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 3325426  | 682.163  | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 896155   | 140.886  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 594788   | 157.671  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 657367   | 152.506  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 353644   | 138.505  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 9.18  | 69   | 658275   | 142.492  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 632778   | 138.015  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 1717118  | 727.924  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 2596623  | 685.404  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 365766   | 152.021  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 372733   | 140.226  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 296783   | 140.670  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 895233   | 141.825  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 331535   | 149.714  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1707772  | 145.091  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 1236721  | 292.227  | ug/l   | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 590705   | 144.027  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 1040794  | 147.219  | ug/l   | 100      |
| 71) Bromoform                  | 10.86 | 173  | 275298   | 162.774  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 1572364  | 136.186  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 969547   | 142.731  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 582586   | 132.677  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 478131m  | 116.089  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 378827   | 136.485  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 1862094  | 138.513  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 1083673  | 133.205  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 1347454  | 139.033  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 221537   | 159.562  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 1294825  | 137.499  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 1319595  | 141.525  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1351437  | 137.713  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1555374  | 140.436  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 1411252  | 141.968  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 684037   | 137.663  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 692741   | 137.678  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 1381583  | 148.199  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 251248   | 152.387  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 681639   | 138.164  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 140060   | 144.999  | ug/l   | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040319\  
 Data File : VX008610.D  
 Acq On : 03 Apr 2019 11:29  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

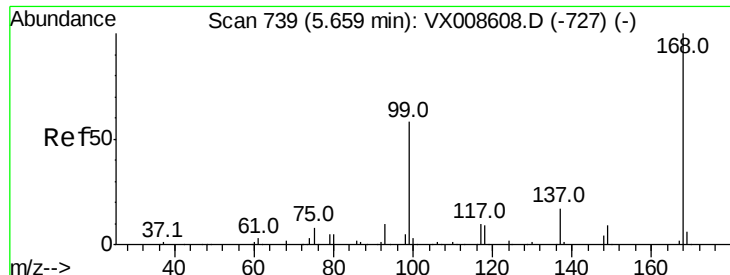
MMDadoda  
 4/4/2019 3:38:36 PM

Quant Time: Apr 04 04:24:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:04:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 496172   | 144.646 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 239917   | 145.838 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 1646148  | 143.585 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 489654   | 142.870 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 197700

Ion Ratio Lower Upper

168 100

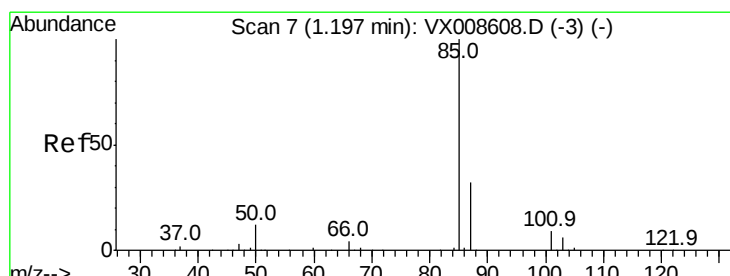
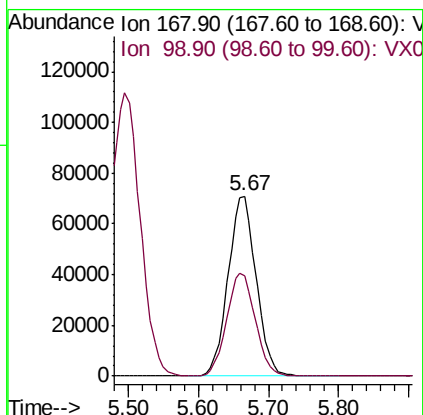
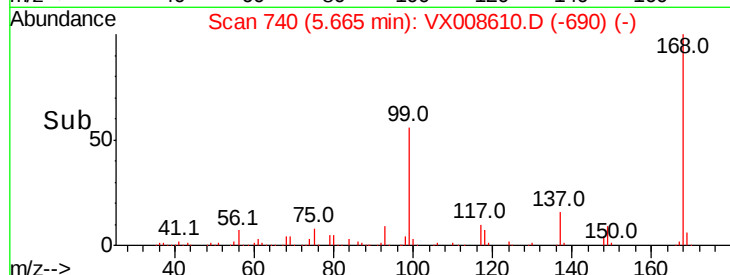
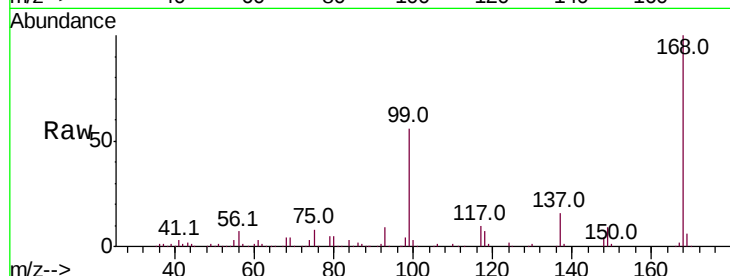
99 55.3 46.7 70.1

Manual Integrations

APPROVED

MMDadoda

4/4/2019 3:38:36 PM



#2

Dichlorodifluoromethane

Concen: 138.028 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008610.D

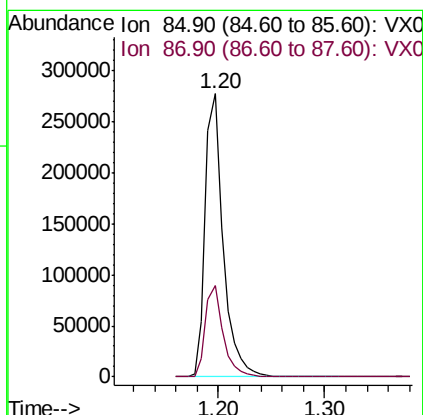
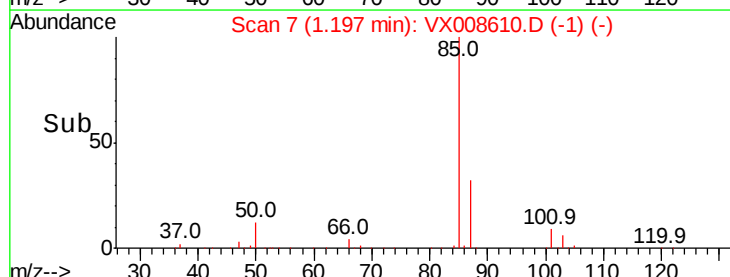
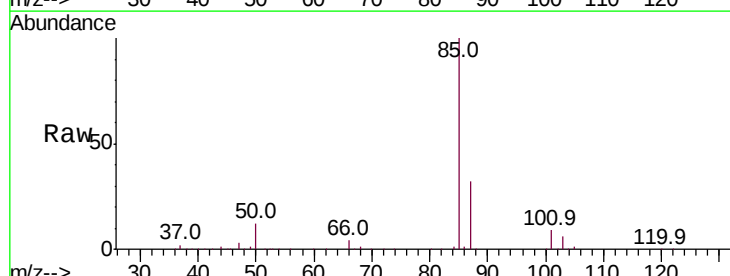
Acq: 03 Apr 2019 11:29

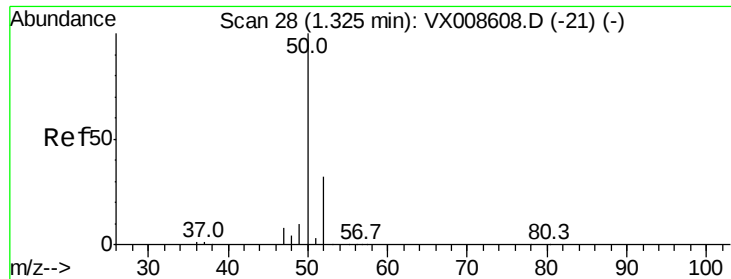
Tgt Ion: 85 Resp: 314109

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3





#3

Chloromethane

Concen: 129.730 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 407866

Ion Ratio Lower Upper

50 100

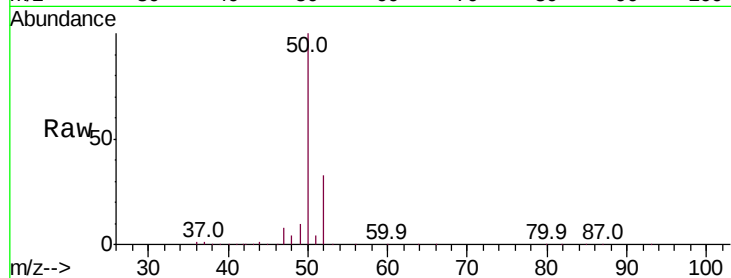
52 32.6 25.8 38.8

Manual Integrations

APPROVED

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4/4/2019 3:38:36 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

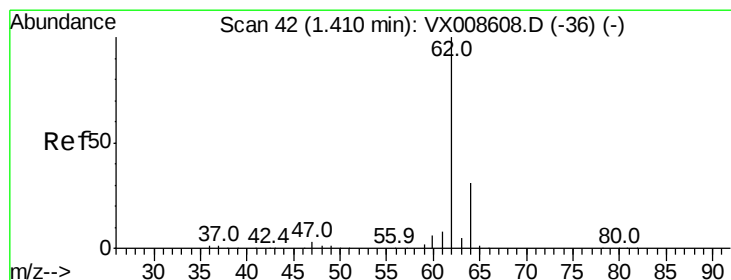
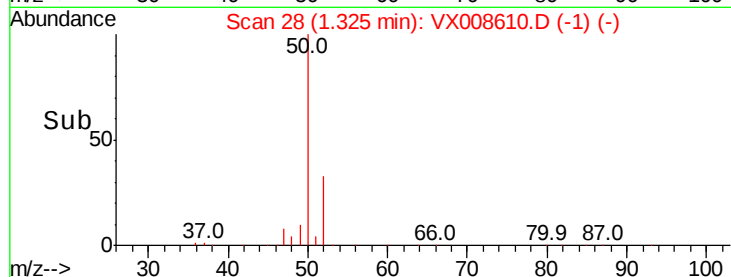
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 140.399 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008610.D

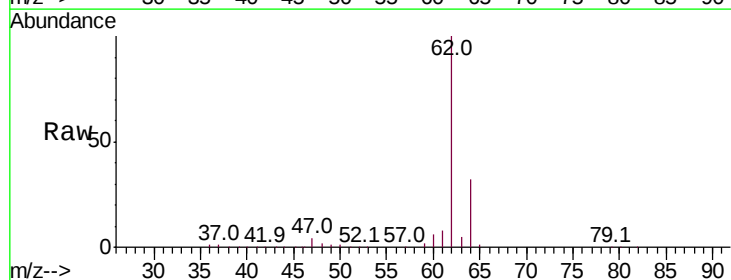
Acq: 03 Apr 2019 11:29

Tgt Ion: 62 Resp: 431911

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

400000

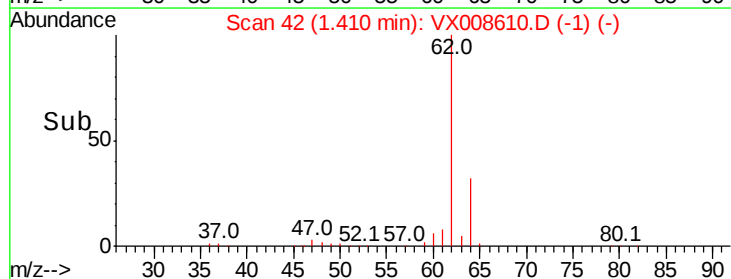
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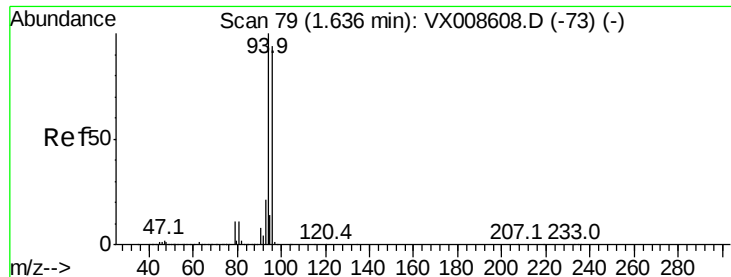
200000

100000

0

Time--> 1.30 1.40 1.50 1.60





#5

Bromomethane

Concen: 145.226 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 238267

Ion Ratio Lower Upper

94 100

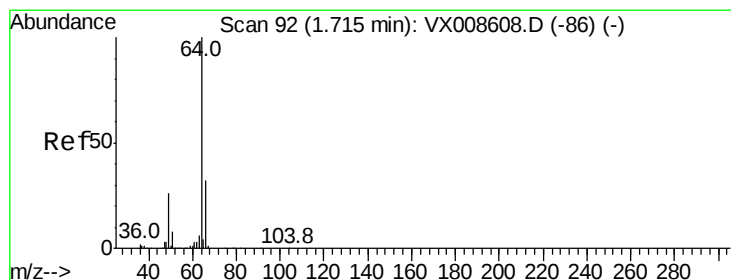
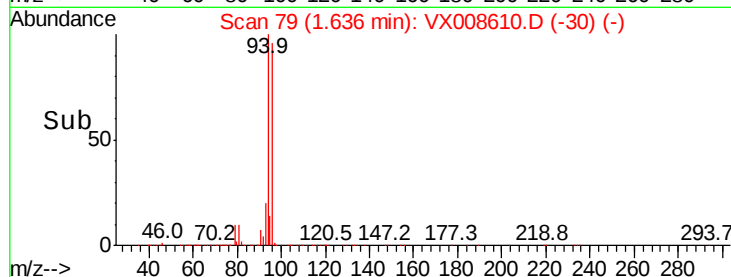
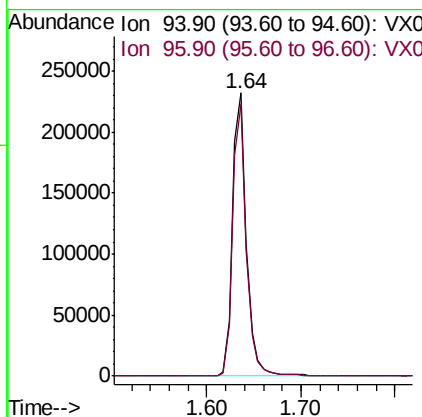
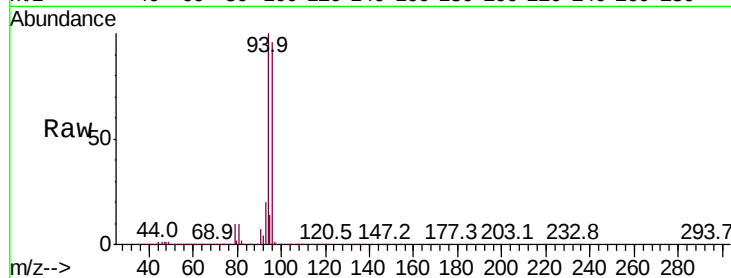
96 95.9 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

4/4/2019 3:38:36 PM



#6

Chloroethane

Concen: 109.649 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008610.D

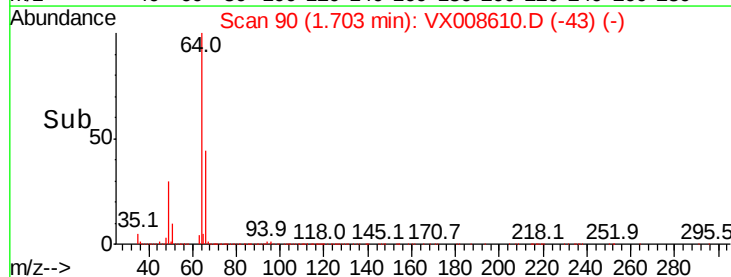
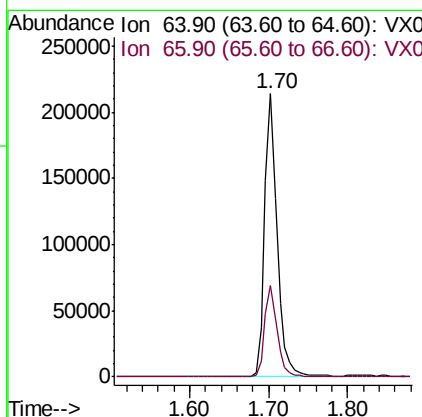
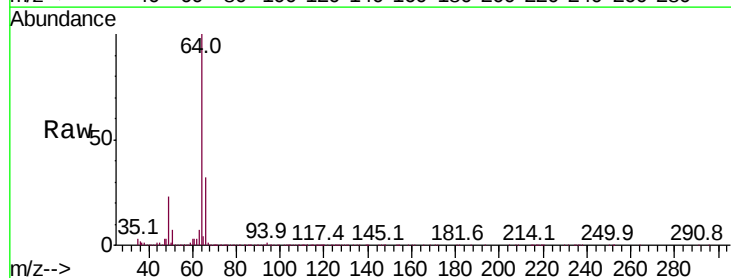
Acq: 03 Apr 2019 11:29

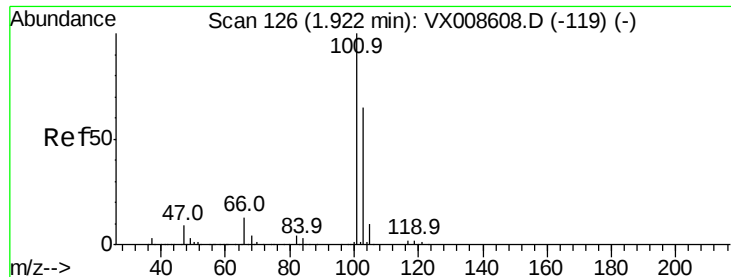
Tgt Ion: 64 Resp: 237016

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0





#7

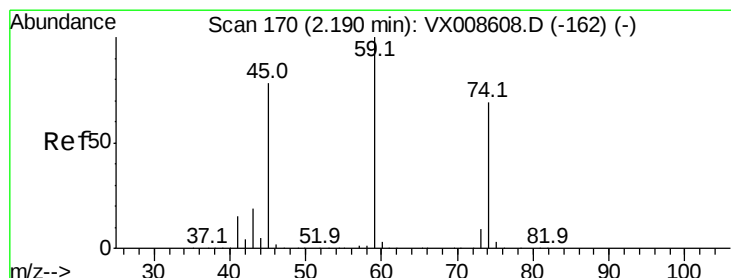
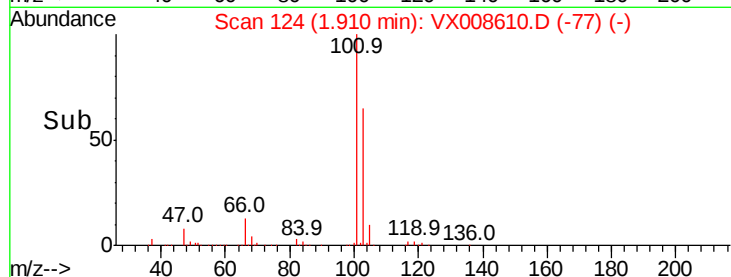
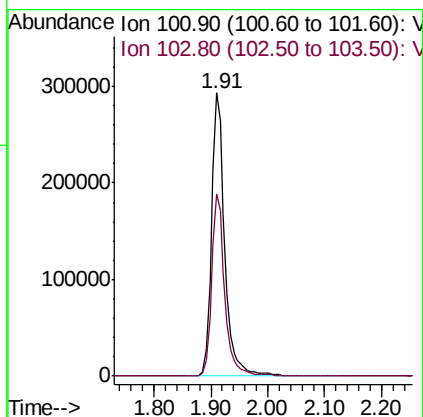
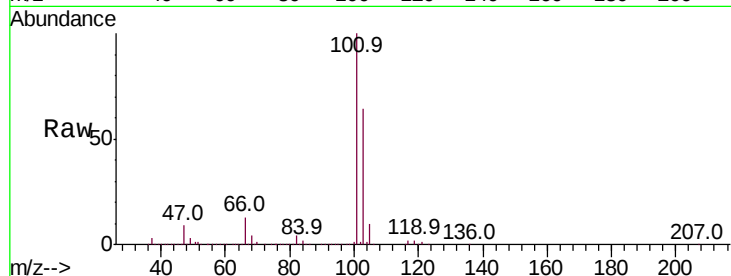
Trichlorofluoromethane  
 Concen: 139.121 ug/l  
 RT: 1.91 min Scan# 124  
 Delta R.T. -0.01 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.5  | 52.3  | 78.5  |

Manual Integrations  
 APPROVED

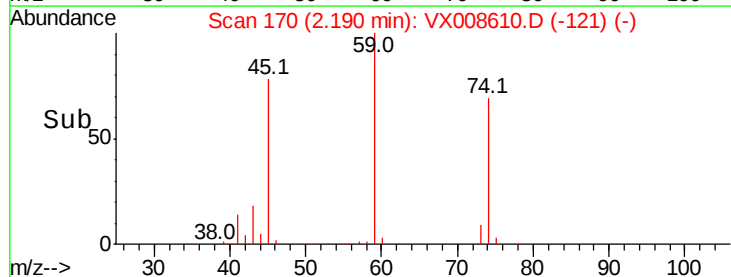
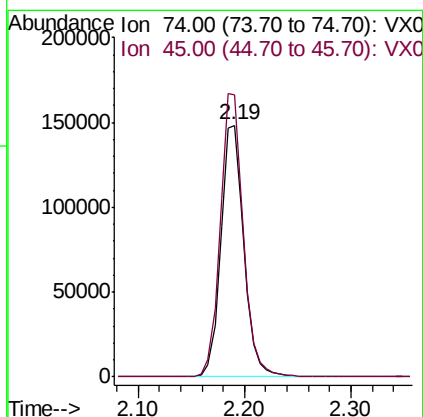
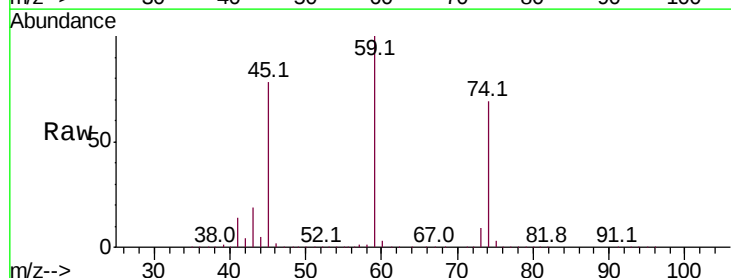
MMDadoda  
 4/4/2019 3:38:36 PM

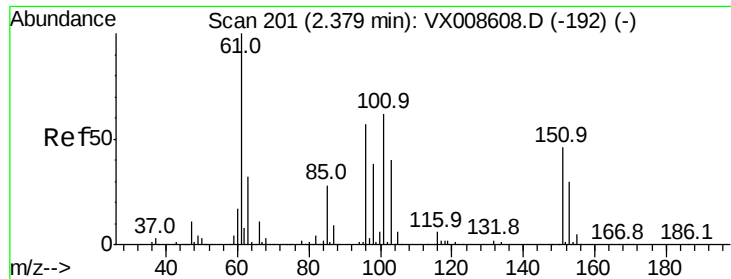


#8

Diethyl Ether  
 Concen: 138.730 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 112.5 | 56.5  | 169.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.740 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

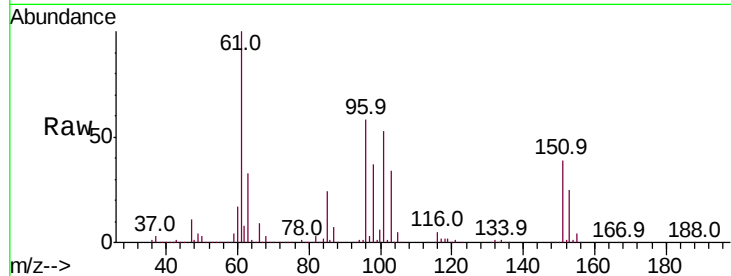
ClientSampled :

VSTDIC150

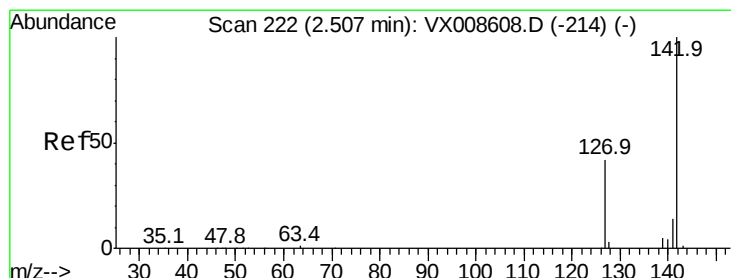
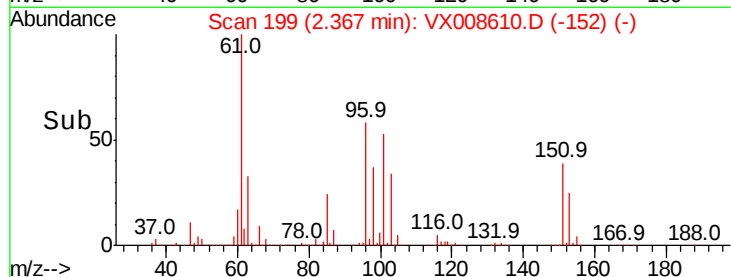
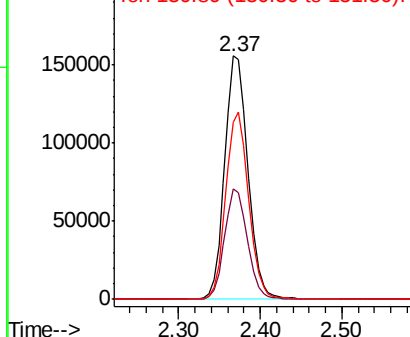
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 305951 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.8  | 36.0  | 54.0   |
| 151       | 75.8  | 59.9  | 89.9   |

Manual Integrations  
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4/4/2019 3:38:36 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 174.546 ug/l

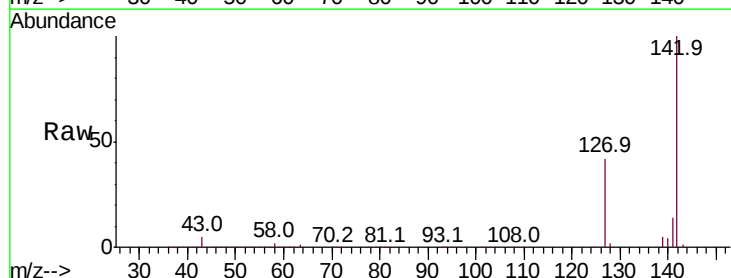
RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

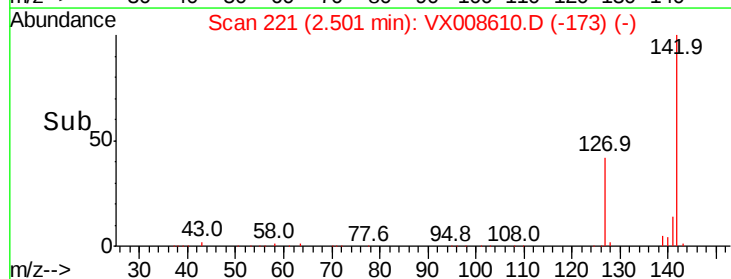
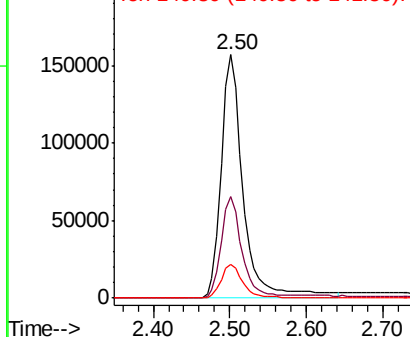
Lab File: VX008610.D

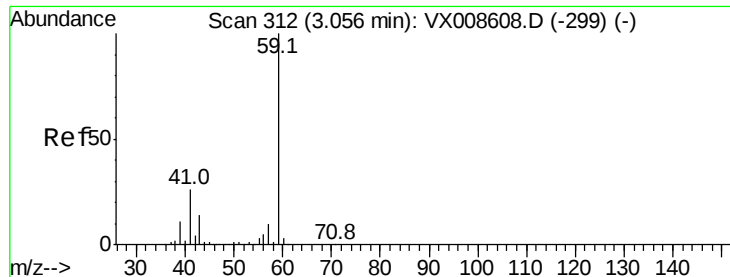
Acq: 03 Apr 2019 11:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 315004 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.5  | 33.0  | 49.6   |
| 141       | 13.8  | 11.4  | 17.2   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

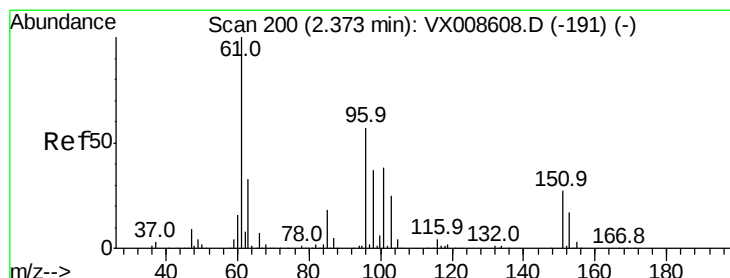
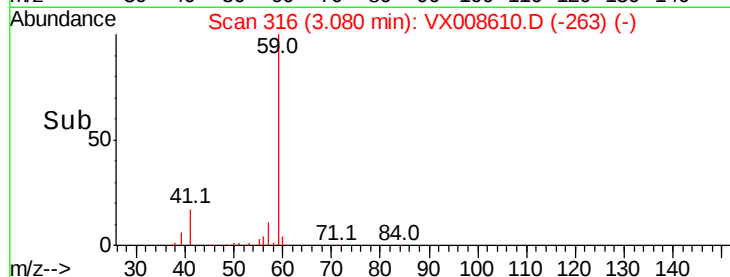
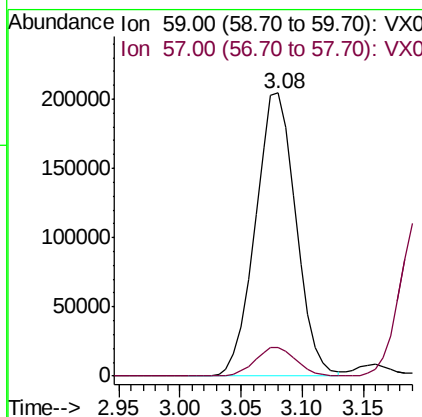
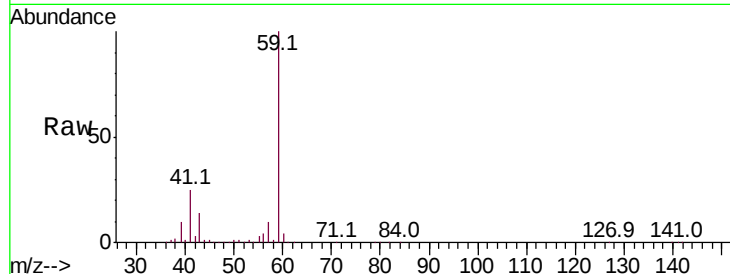
Tert butyl alcohol  
Concen: 700.159 ug/l  
RT: 3.08 min Scan# 316  
Delta R.T. 0.02 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 59   | Resp  | 472663 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.3 | 8.3   | 12.5   |

Manual Integrations  
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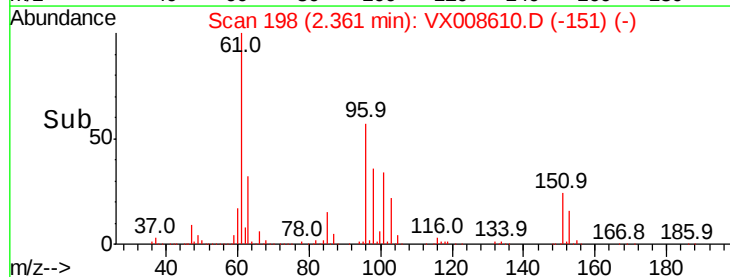
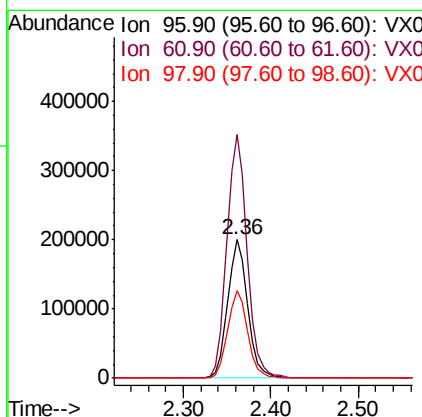
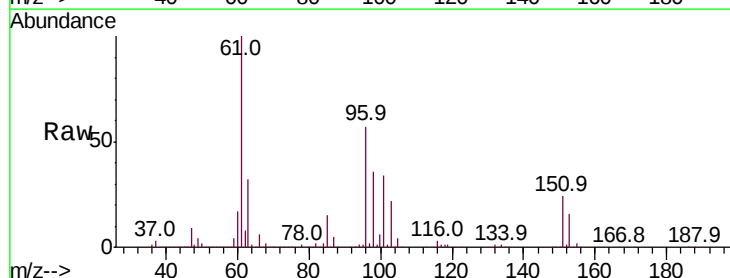
MMDadoda  
4/4/2019 3:38:36 PM

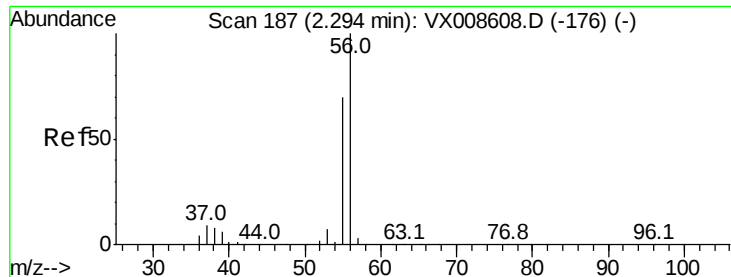


#12

1,1-Dichloroethene  
Concen: 138.507 ug/l  
RT: 2.36 min Scan# 198  
Delta R.T. -0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion   | 96    | Resp  | 316570 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 175.8 | 140.9 | 211.3  |
| 98        | 63.4  | 52.1  | 78.1   |





#13

Acrolein

Concen: 708.415 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 237135

Ion Ratio Lower Upper

56 100

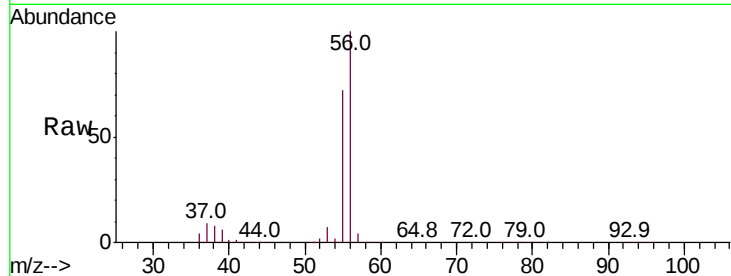
55 71.6 58.0 87.0

Manual Integrations

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4/4/2019 3:38:36 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

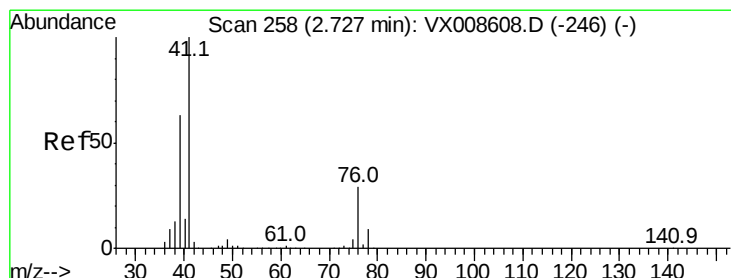
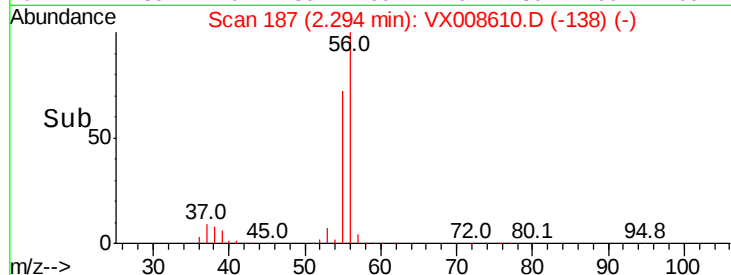
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Allyl chloride

Concen: 140.909 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

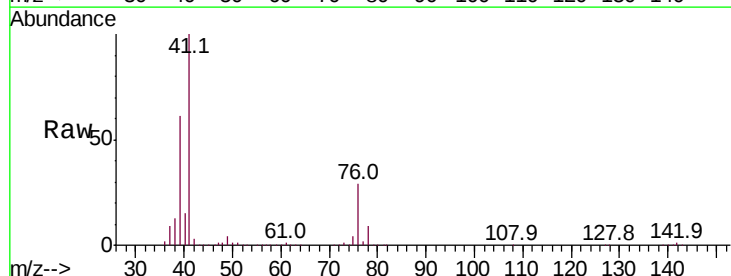
Tgt Ion: 41 Resp: 737276

Ion Ratio Lower Upper

41 100

39 59.5 48.0 72.0

76 27.9 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

500000

400000

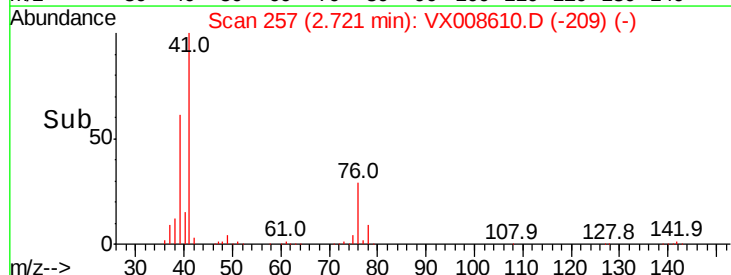
300000

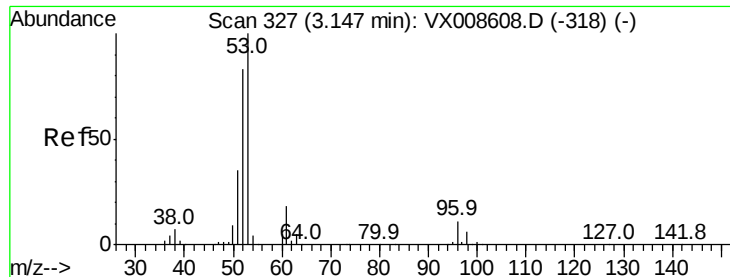
200000

100000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 667.286 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1193377

Ion Ratio Lower Upper

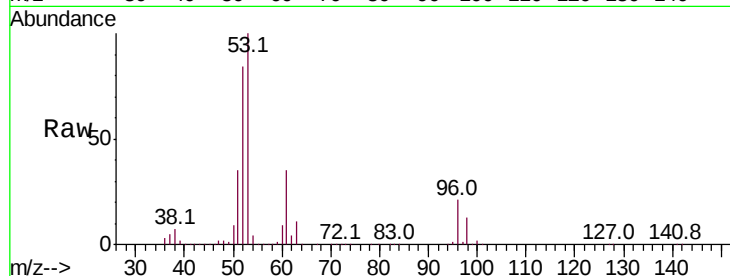
53 100

52 83.8 66.5 99.7

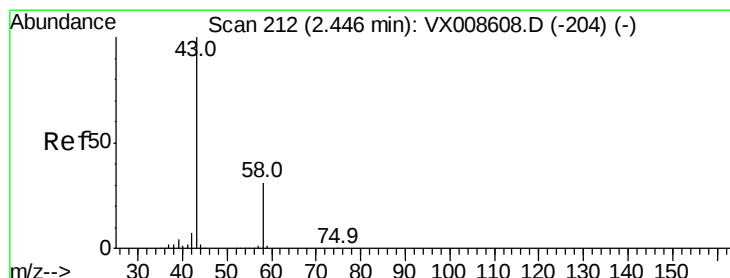
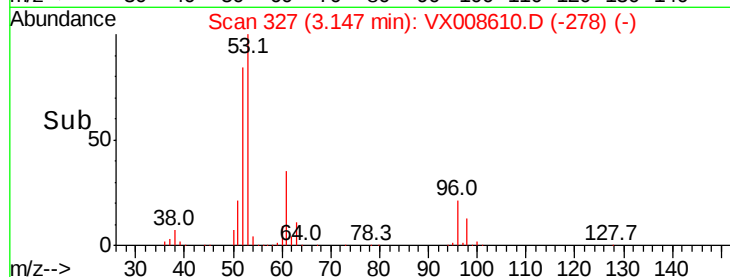
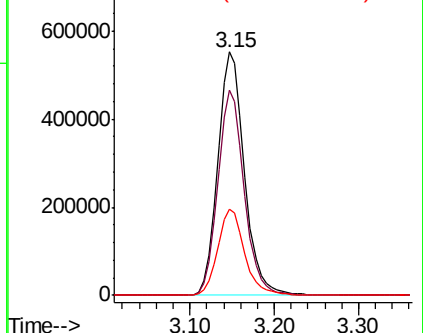
51 35.8 28.6 42.8

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Abundance Ion 53.00 (52.70 to 53.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0  
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 671.702 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008610.D

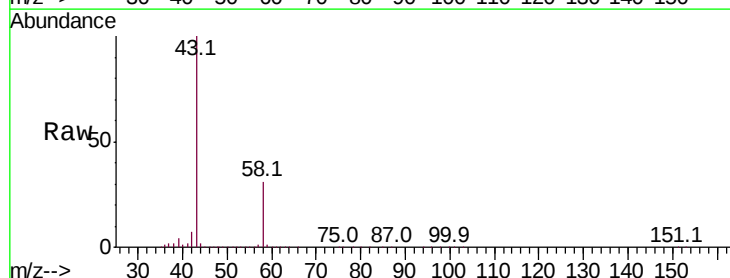
Acq: 03 Apr 2019 11:29

Tgt Ion: 43 Resp: 1115597

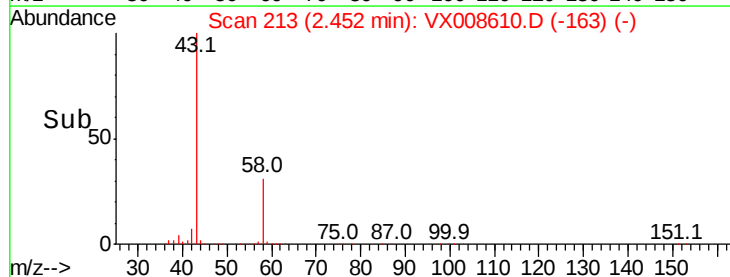
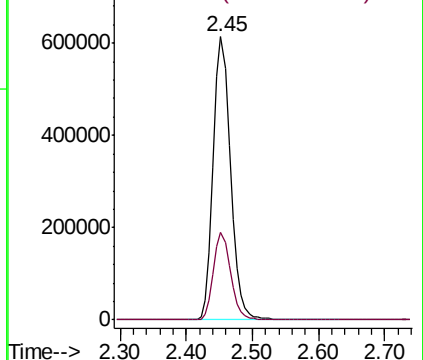
Ion Ratio Lower Upper

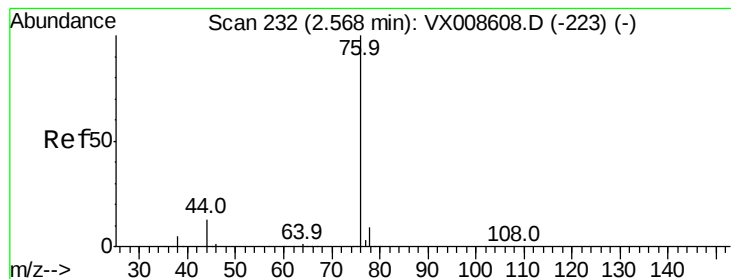
43 100

58 30.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 132.433 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 972205

Ion Ratio Lower Upper

76 100

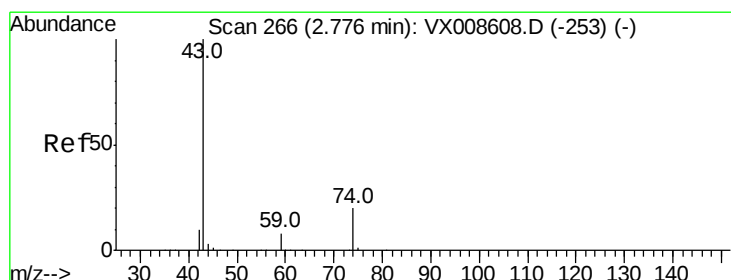
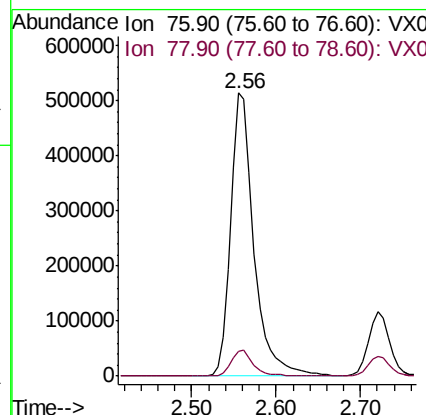
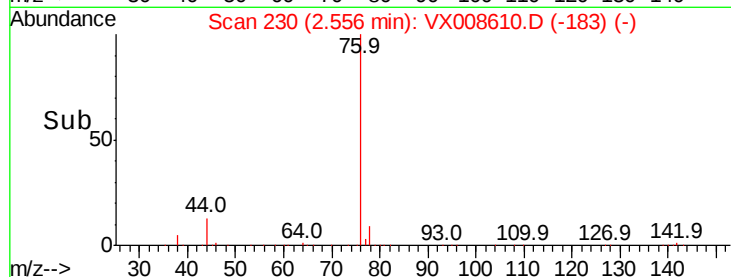
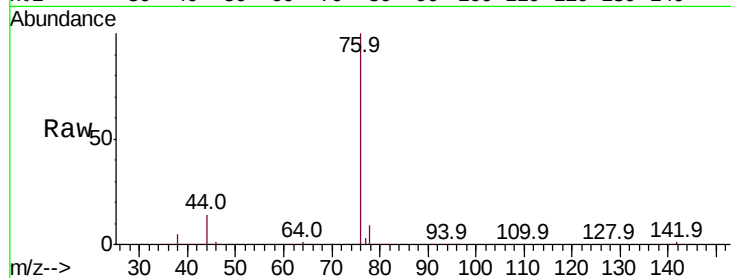
78 8.9 7.1 10.7

Manual Integrations

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4/4/2019 3:38:36 PM



#18

Methyl Acetate

Concen: 133.626 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008610.D

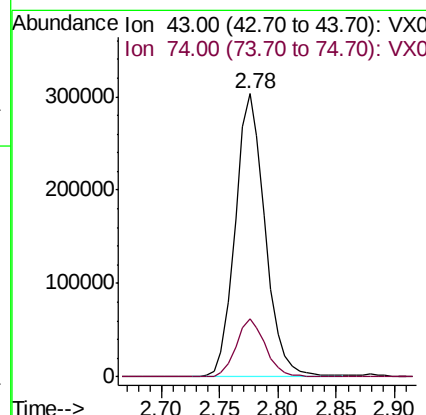
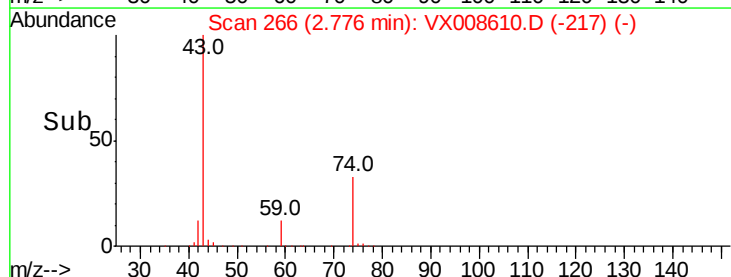
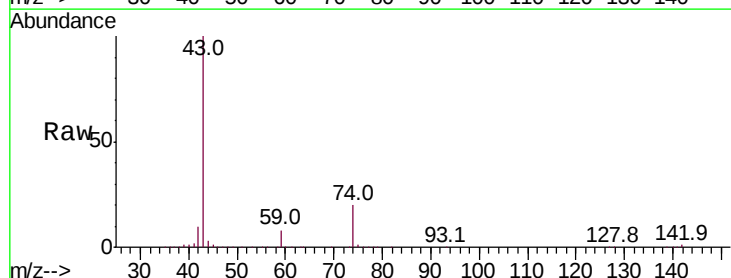
Acq: 03 Apr 2019 11:29

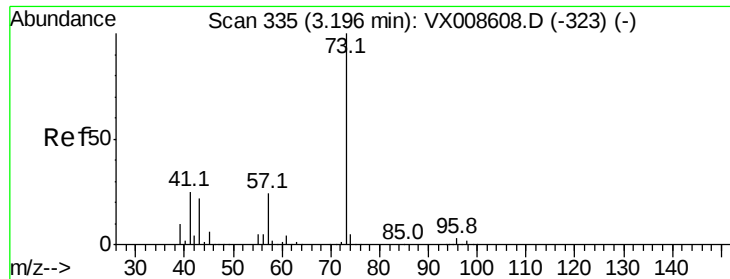
Tgt Ion: 43 Resp: 538250

Ion Ratio Lower Upper

43 100

74 20.2 16.5 24.7





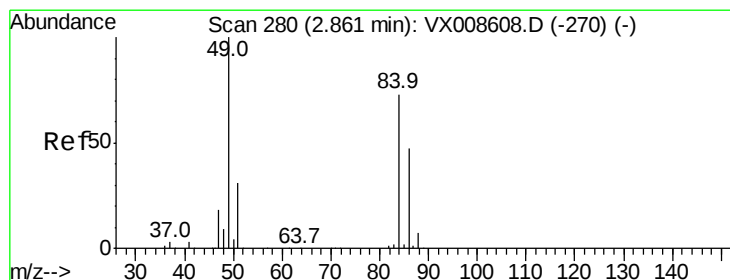
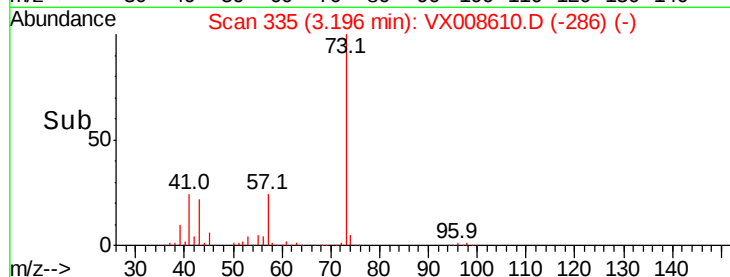
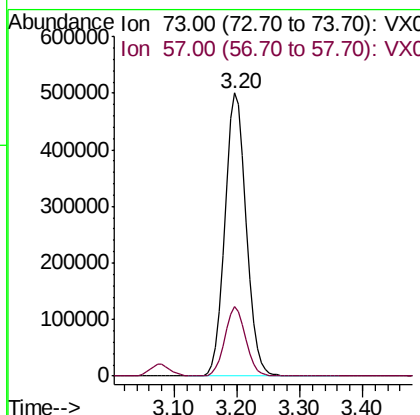
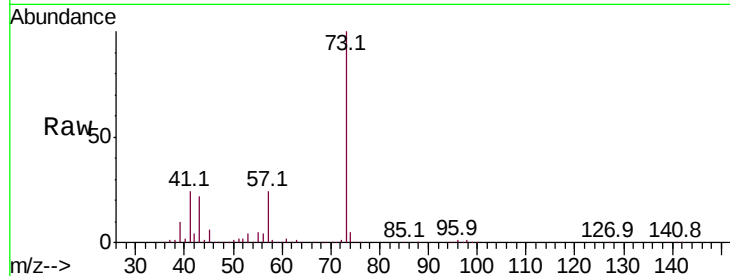
#19  
Methyl tert-butyl Ether  
Concen: 143.867 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion: 73 Resp: 1174293  
Ion Ratio Lower Upper  
73 100  
57 24.4 19.5 29.3

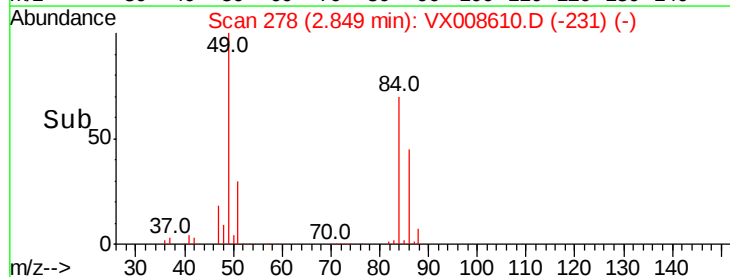
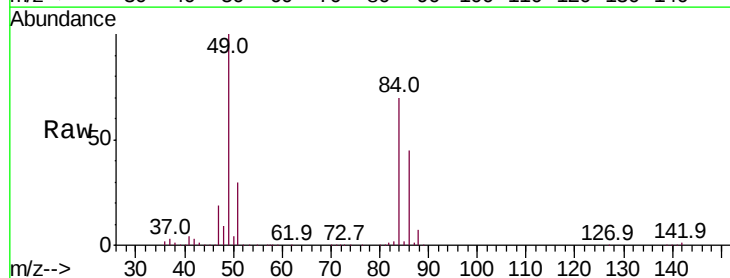
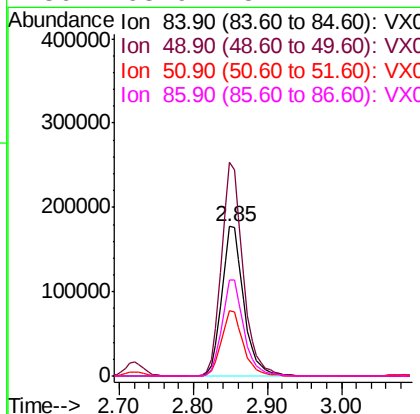
Manual Integrations  
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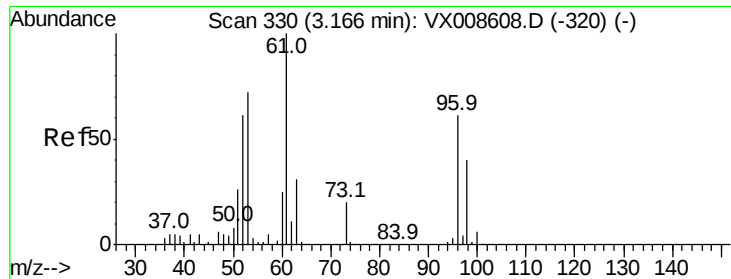
MMDadoda  
4/4/2019 3:38:36 PM



#20  
Methylene Chloride  
Concen: 131.104 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Tgt Ion: 84 Resp: 364478  
Ion Ratio Lower Upper  
84 100  
49 143.0 109.7 164.5  
51 43.5 33.6 50.4  
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 136.597 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 337700

Ion Ratio Lower Upper

96 100

61 158.9 132.1 198.1

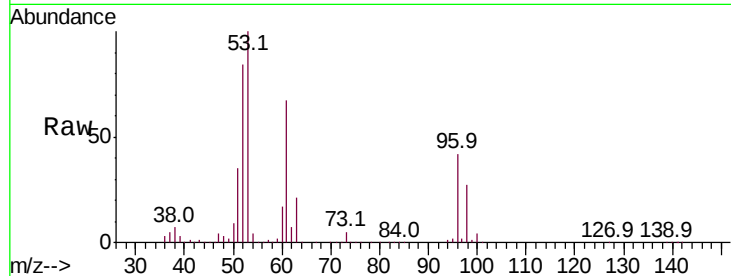
98 64.6 52.2 78.2

Manual Integrations

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MMDadoda

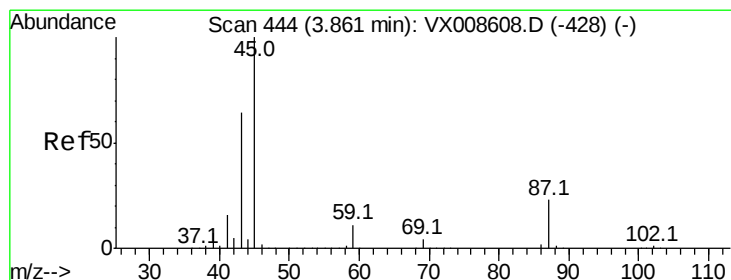
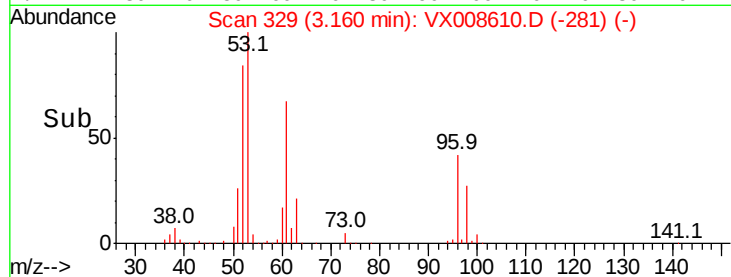
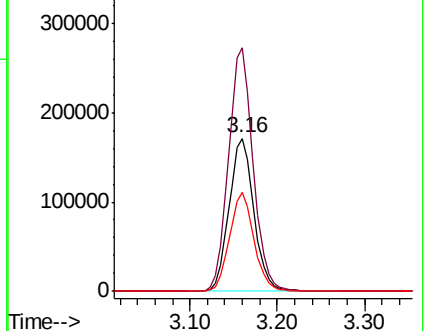
4/4/2019 3:38:36 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 138.752 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Tgt Ion: 45 Resp: 1399273

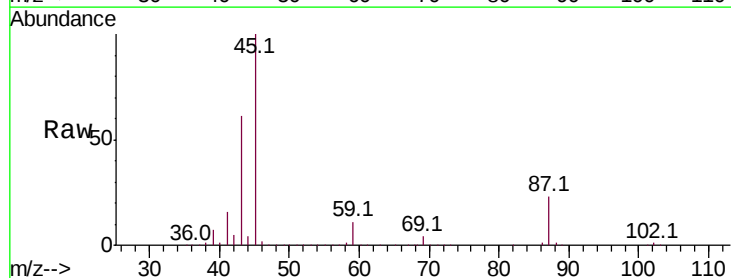
Ion Ratio Lower Upper

45 100

43 60.7 51.3 76.9

87 22.6 18.1 27.1

59 11.0 8.6 13.0

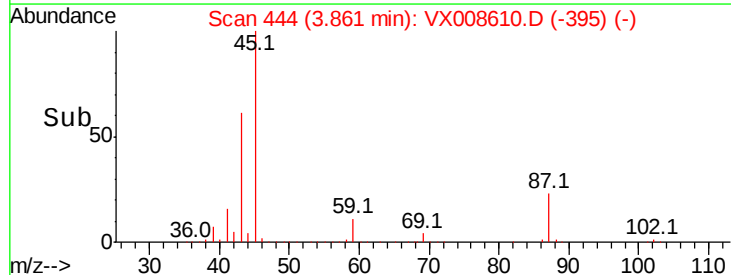
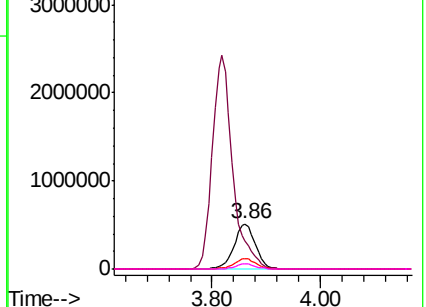


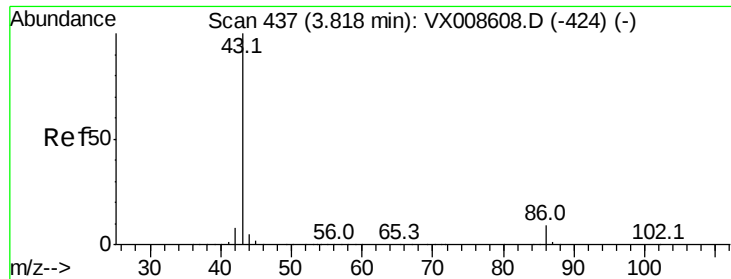
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 717.800 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampled :

VSTDICC150

Tot Ion: 43 Resp: 6297298

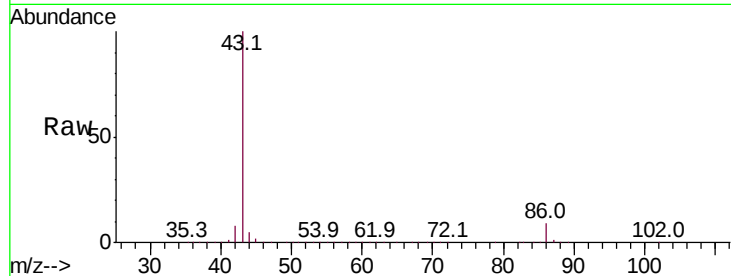
Ion Ratio Lower Upper

43 100

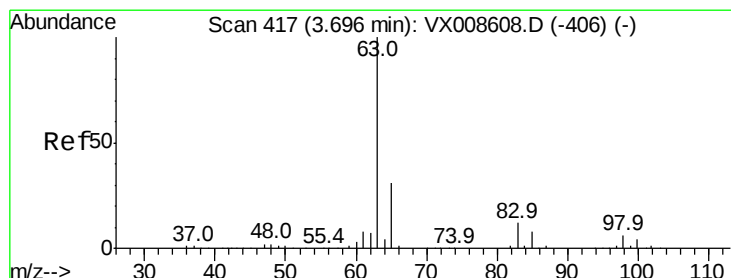
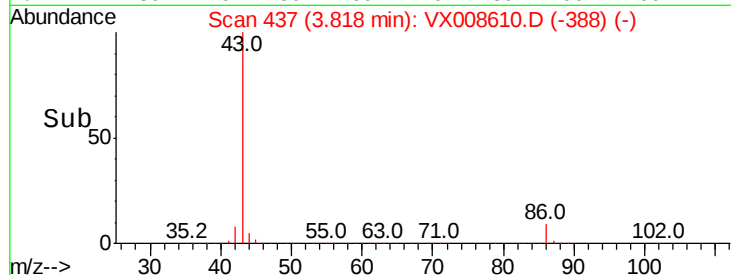
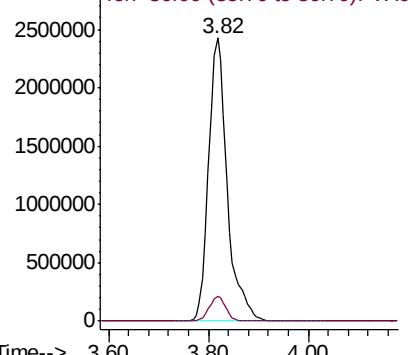
86 8.9 7.0 10.6

Manual Integrations  
APPROVED

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4/4/2019 3:38:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX008610.D (-388) (-)



#24

1,1-Dichloroethane

Concen: 141.486 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

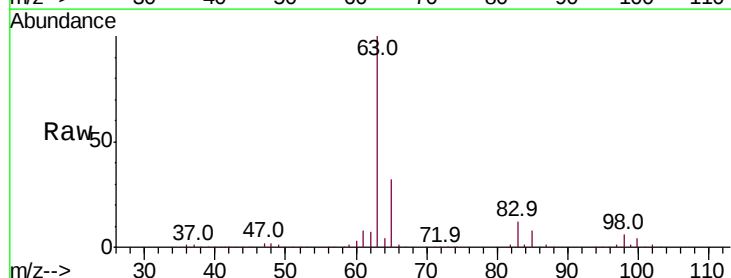
Tgt Ion: 63 Resp: 706449

Ion Ratio Lower Upper

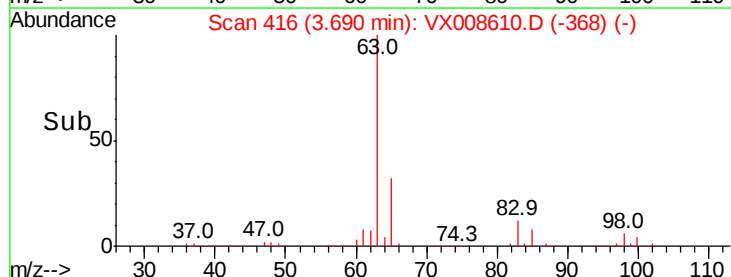
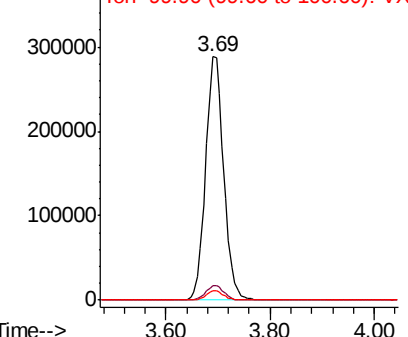
63 100

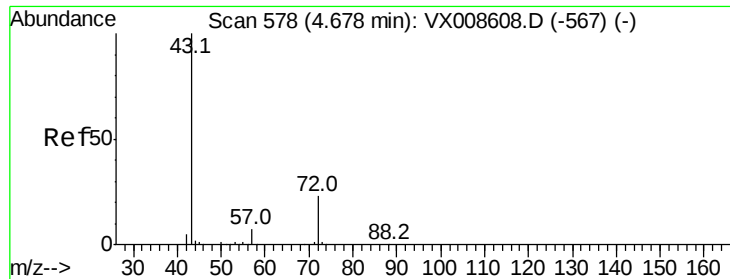
98 5.9 2.8 8.4

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VX008610.D (-368) (-)





#25

2-Butanone

Concen: 685.082 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1798356

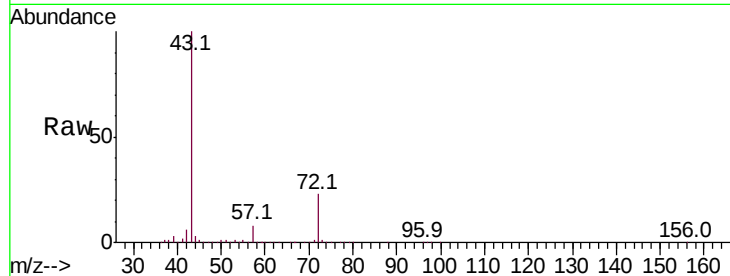
Ion Ratio Lower Upper

43 100

72 22.9 18.2 27.4

Manual Integrations  
APPROVED

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4/4/2019 3:38:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

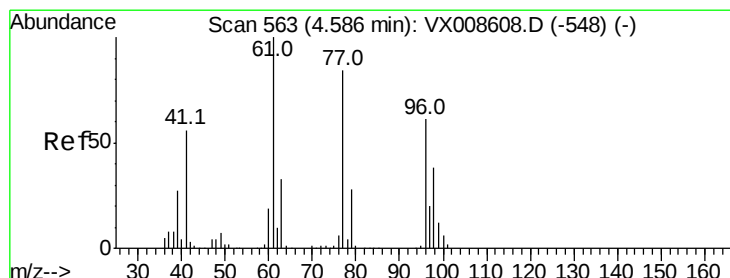
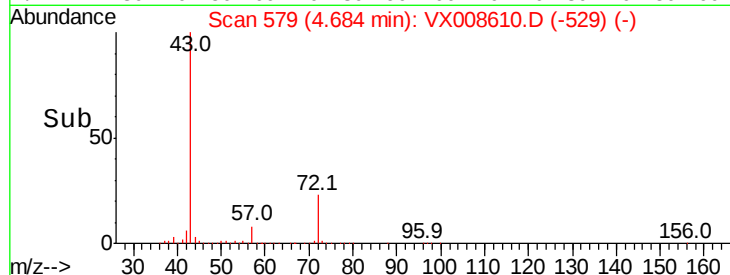
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 148.649 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008610.D

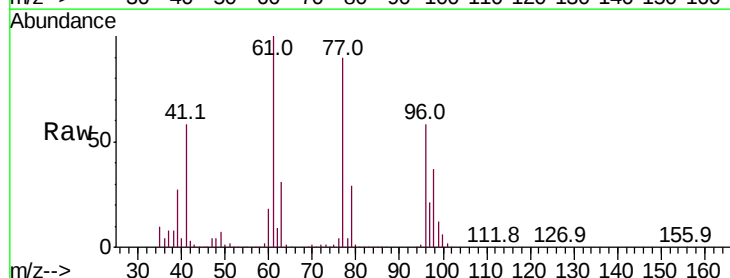
Acq: 03 Apr 2019 11:29

Tgt Ion: 77 Resp: 522756

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

200000

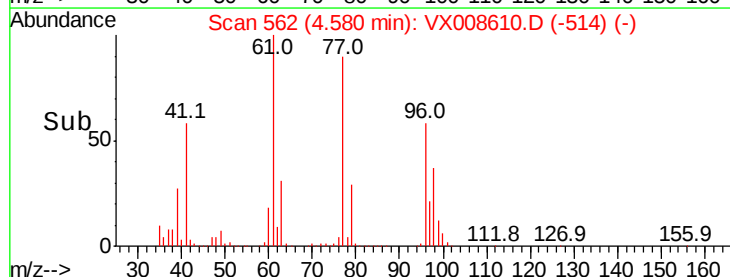
150000

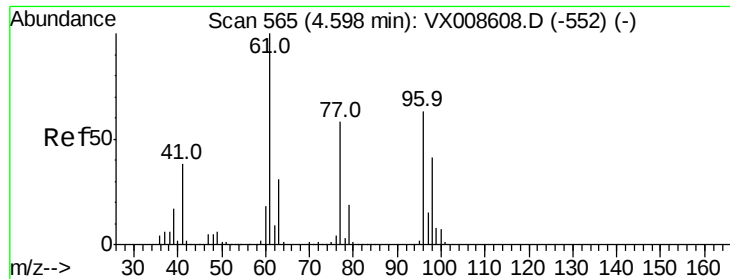
100000

50000

0

Time-->





#27

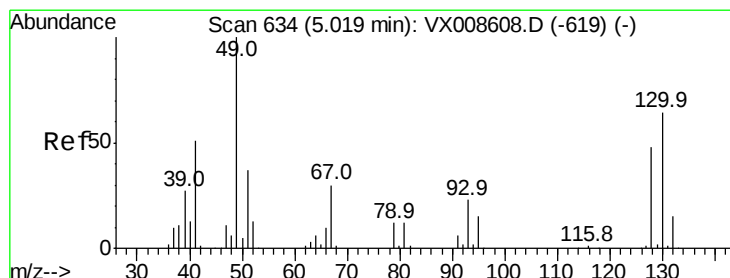
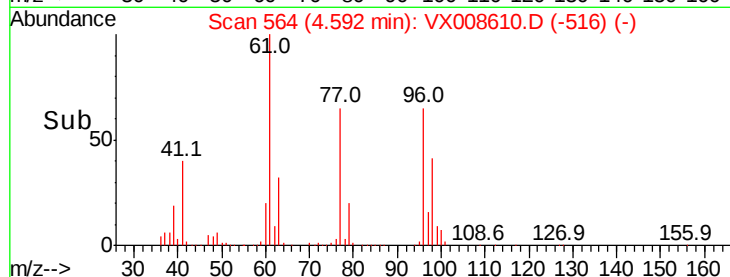
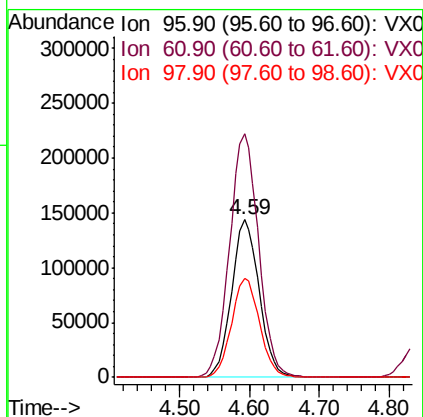
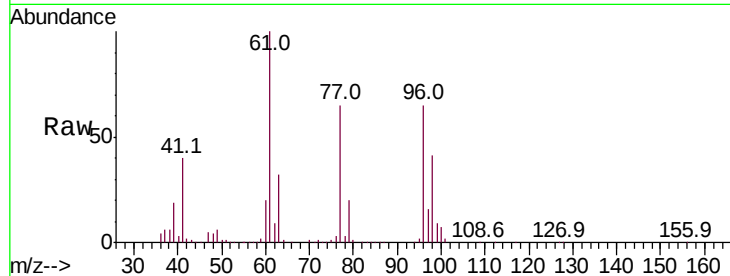
cis-1,2-Dichloroethene  
Concen: 138.547 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 162.9 | 0.0  | 327.6 |       |
| 98      | 64.0  | 0.0  | 128.6 |       |

Manual Integrations  
APPROVED

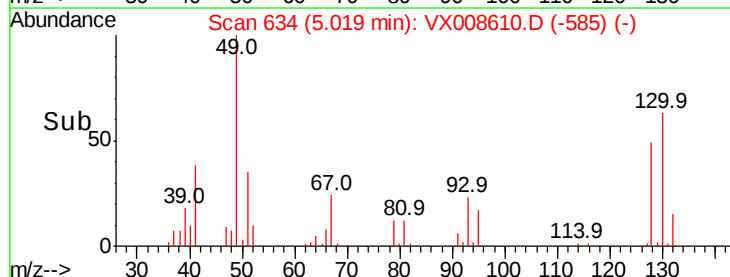
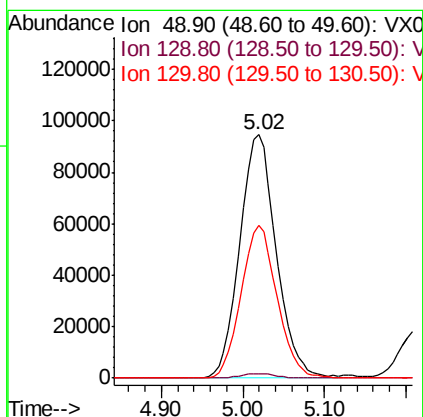
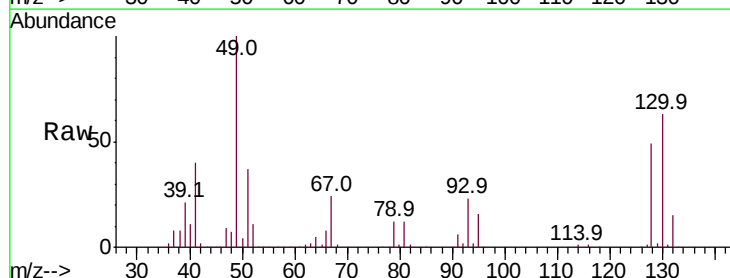
MMDadoda  
4/4/2019 3:38:36 PM

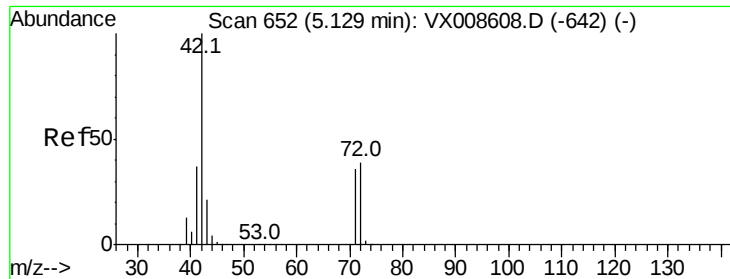


#28

Bromochloromethane  
Concen: 124.448 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.7   | 0.0  | 3.6   |       |
| 130     | 61.9  | 49.3 | 73.9  |       |





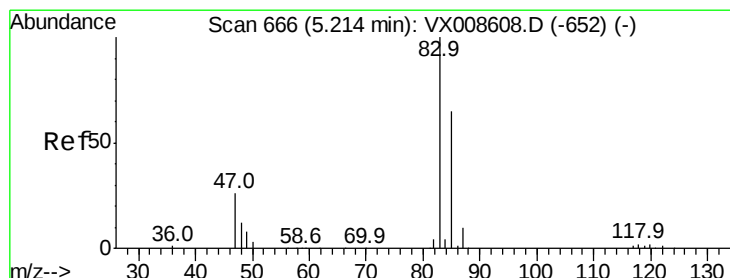
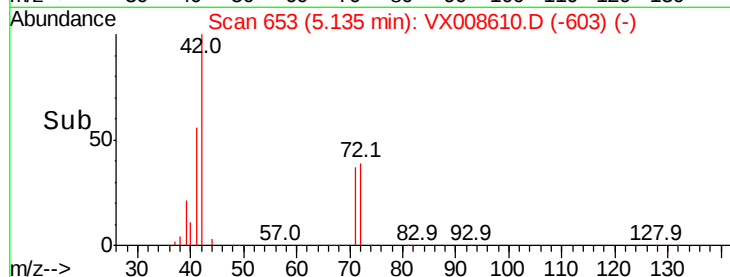
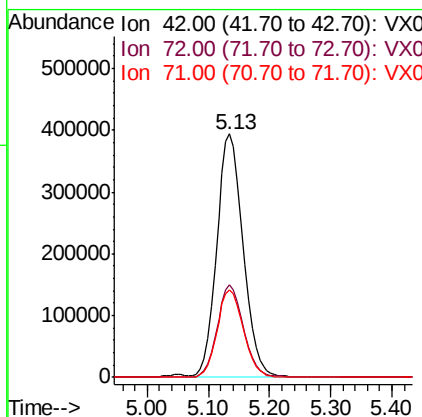
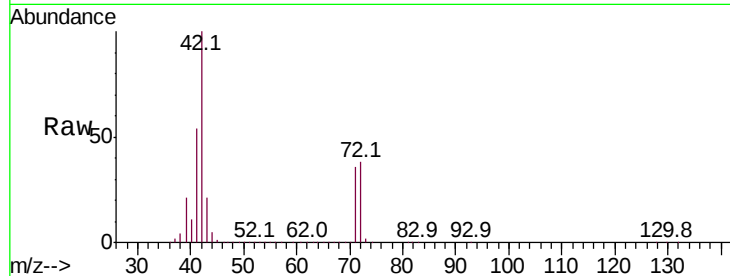
#29  
Tetrahydrofuran  
Concen: 677.741 ug/l  
RT: 5.13 min Scan# 653  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.0  | 30.5  | 45.7  |
| 71      | 35.9  | 28.6  | 43.0  |

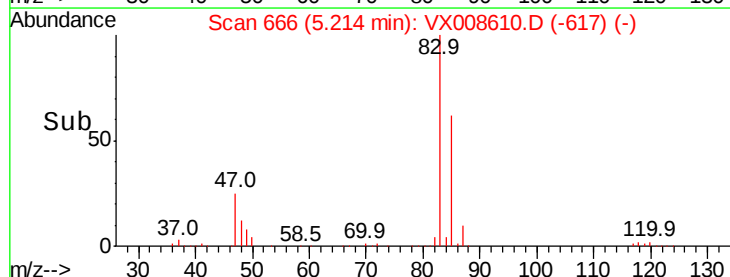
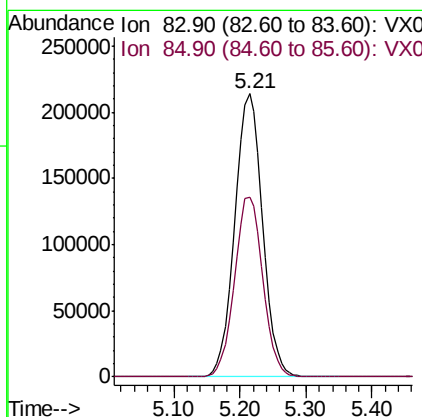
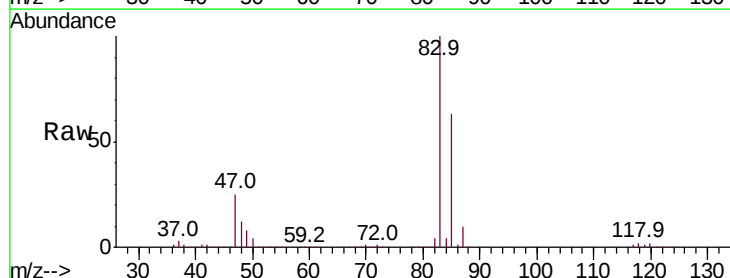
Manual Integrations  
APPROVED

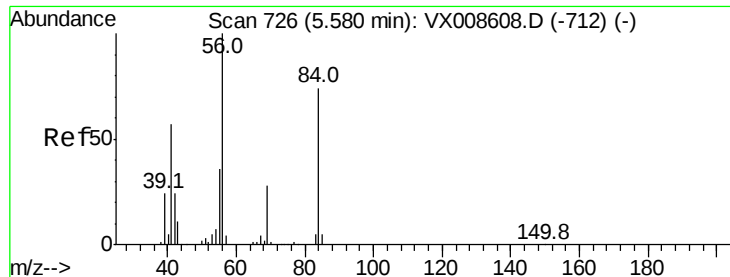
MMDadoda  
4/4/2019 3:38:36 PM



#30  
Chloroform  
Concen: 140.011 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.4  | 52.1  | 78.1  |





#31

Cyclohexane

Concen: 137.894 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

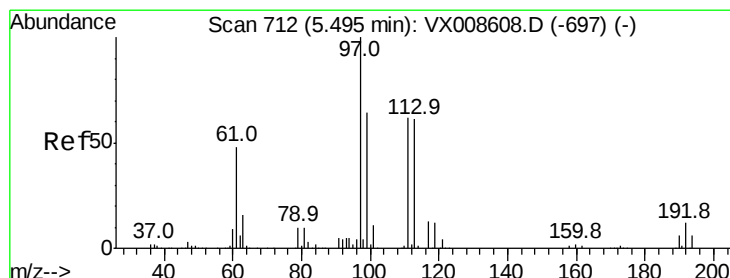
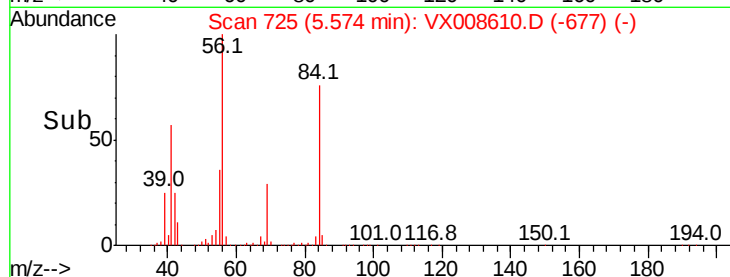
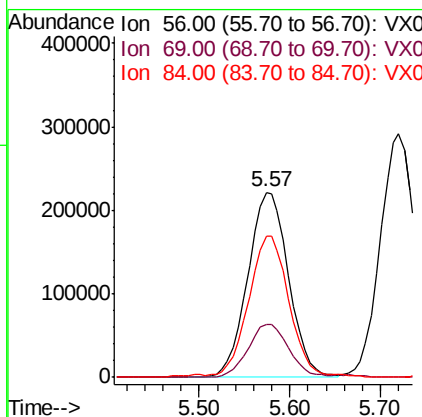
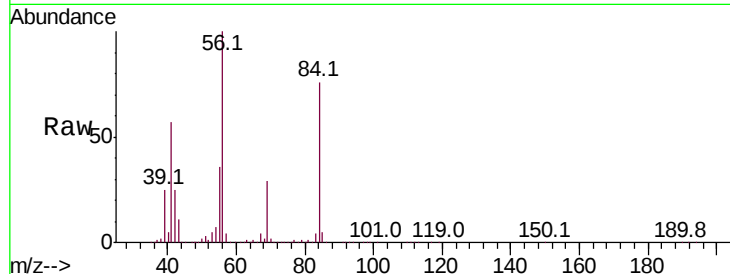
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 687013 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.9  | 22.6  | 33.8   |
| 84       | 74.9  | 59.3  | 88.9   |

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#32

1,1,1-Trichloroethane

Concen: 147.068 ug/l

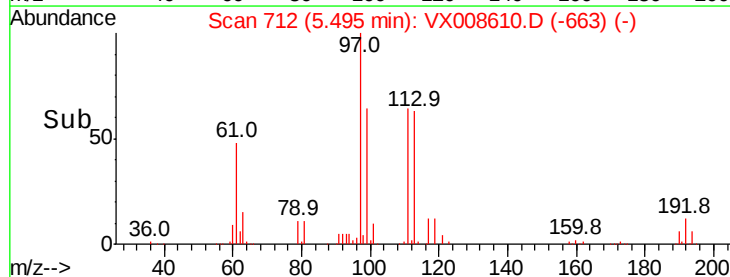
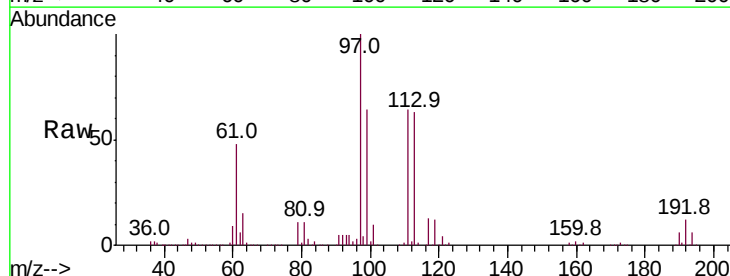
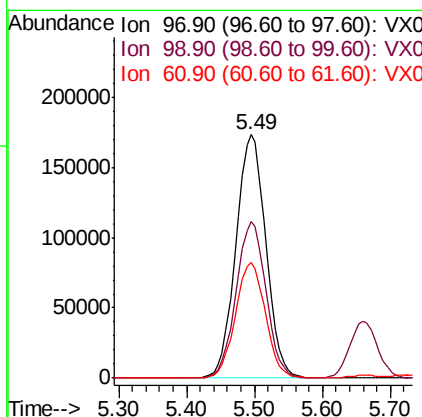
RT: 5.49 min Scan# 712

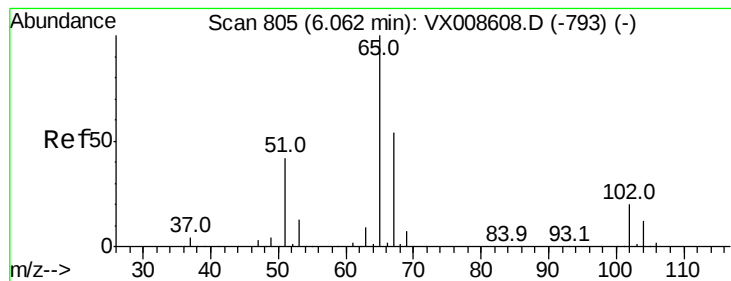
Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 530006 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.2  | 51.3  | 76.9   |
| 61       | 47.8  | 38.9  | 58.3   |





#33

1,2-Dichloroethane-d4

Concen: 146.923 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 423662

Ion Ratio Lower Upper

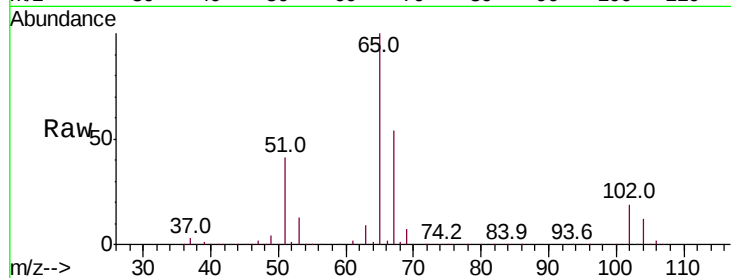
65 100

67 54.2 0.0 107.2

Manual Integrations  
APPROVED

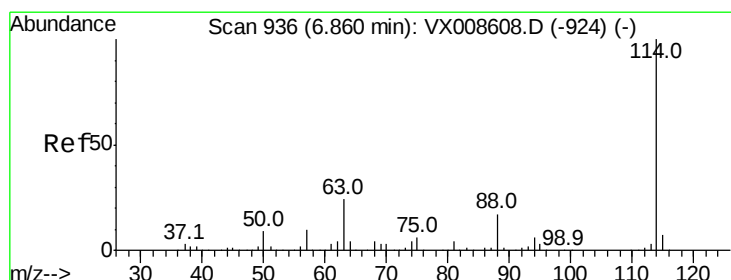
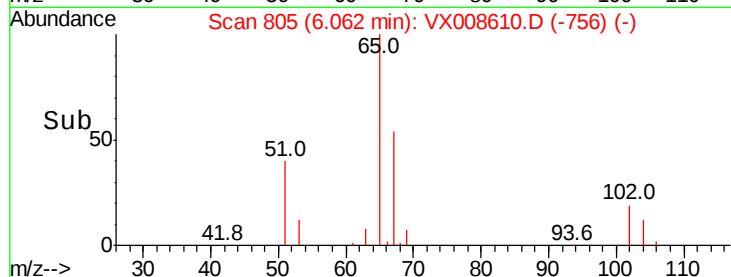
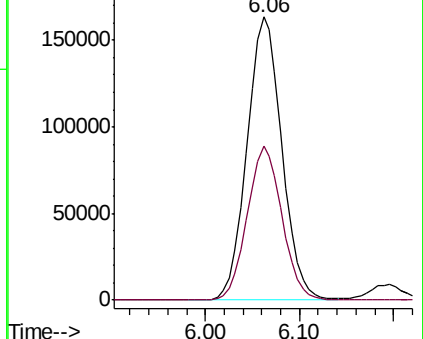
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

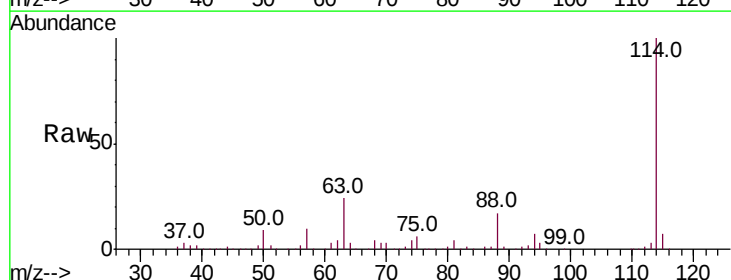
Tgt Ion: 114 Resp: 331319

Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.2

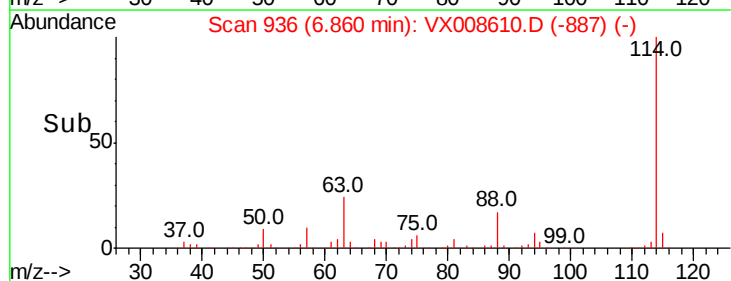
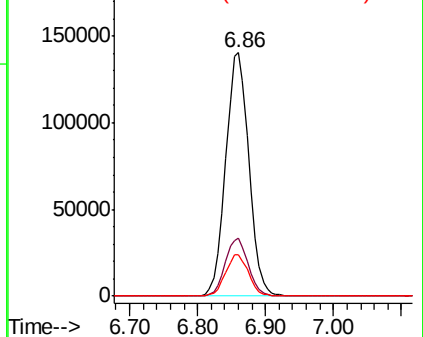
88 16.9 0.0 34.0

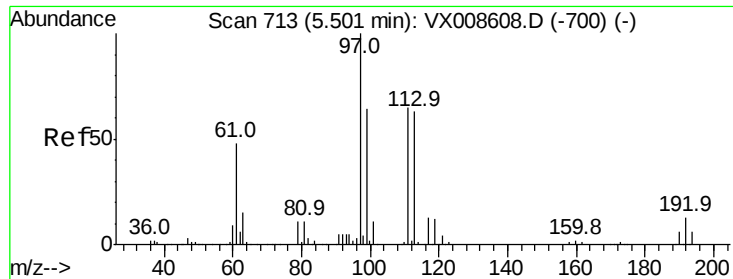


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 150.468 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

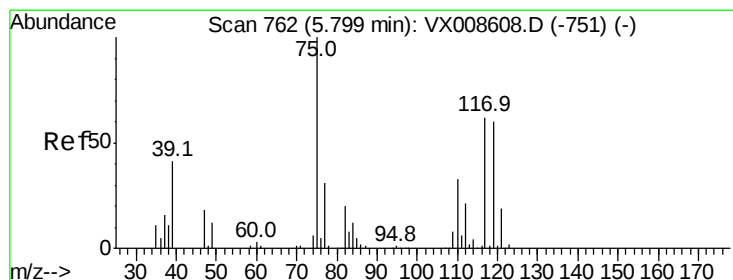
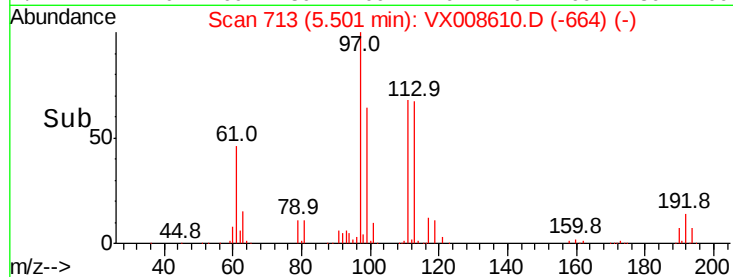
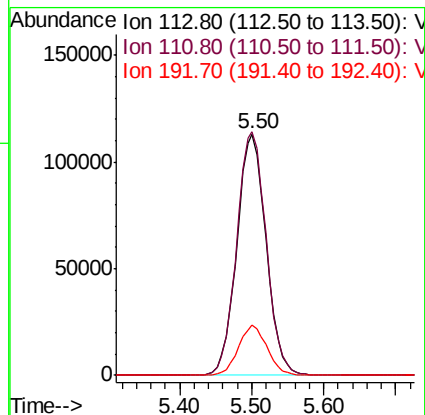
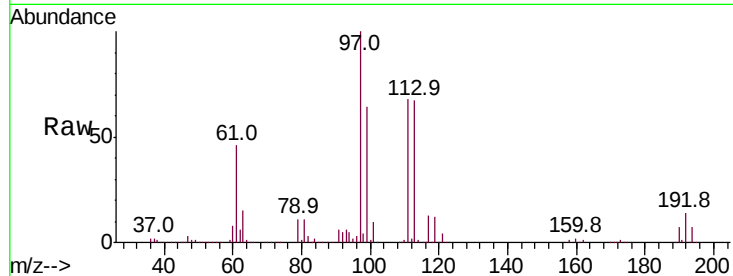
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 318741 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.8 | 83.4  | 125.2  |
| 192       | 20.2  | 16.1  | 24.1   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 140.878 ug/l

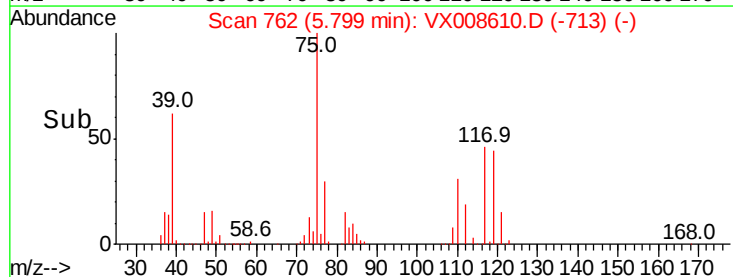
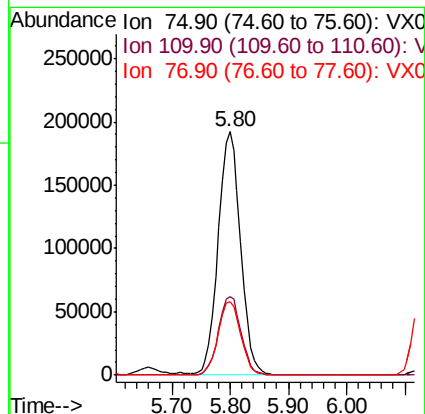
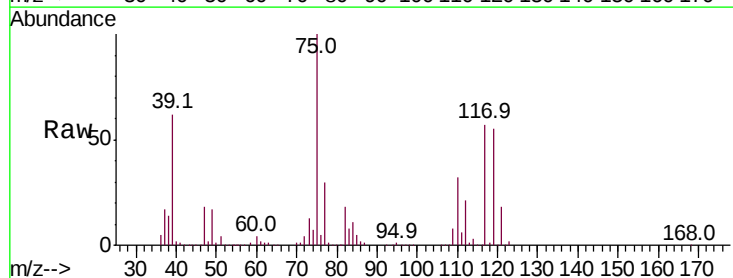
RT: 5.80 min Scan# 762

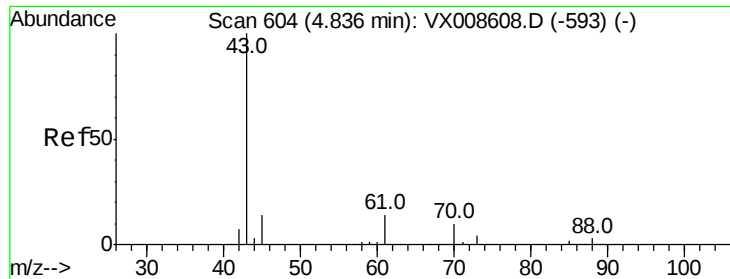
Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 510212 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 32.8  | 16.4  | 49.2   |
| 77        | 30.6  | 24.7  | 37.1   |





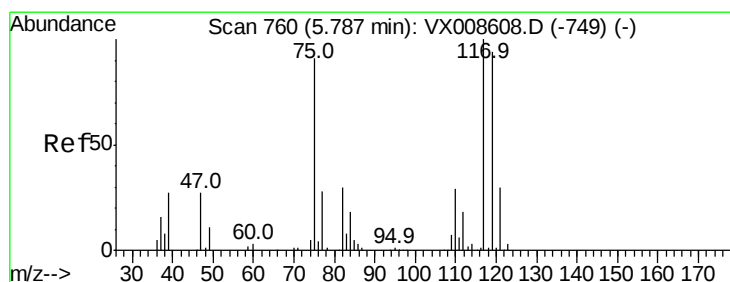
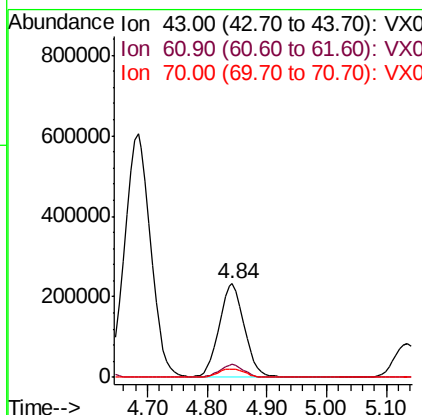
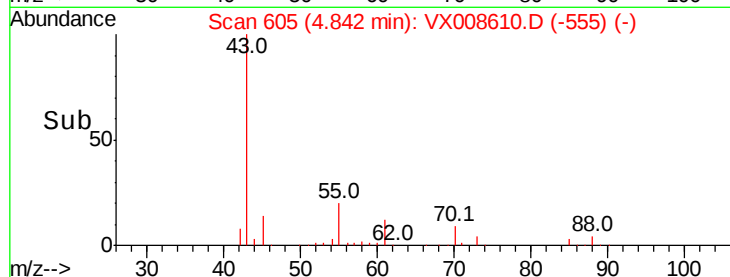
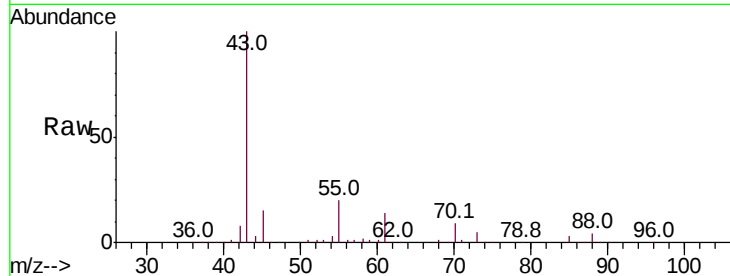
#37  
Ethyl Acetate  
Concen: 141.624 ug/l  
RT: 4.84 min Scan# 605  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.1  | 10.3  | 15.5  |
| 70      | 9.4   | 7.6   | 11.4  |

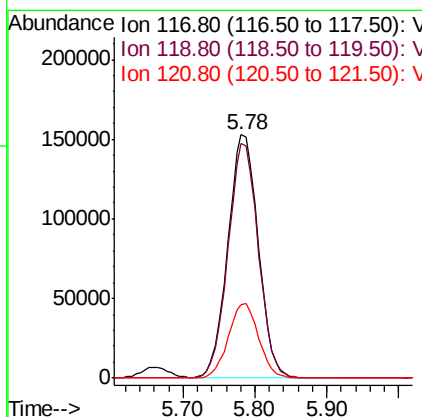
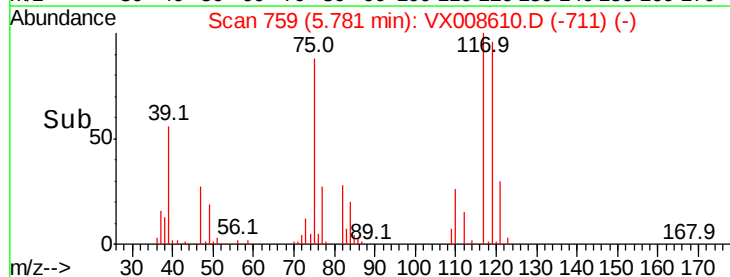
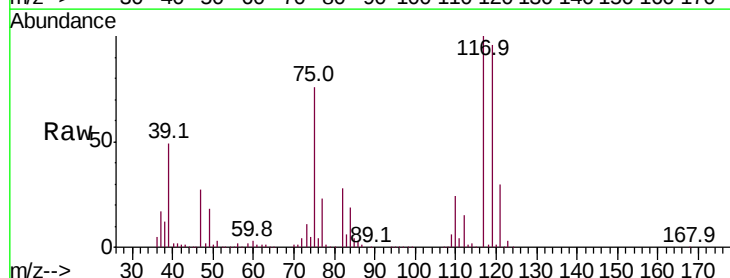
Manual Integrations  
APPROVED

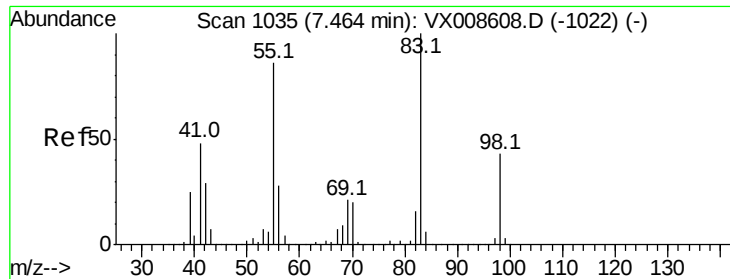
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#38  
Carbon Tetrachloride  
Concen: 149.474 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 75.0  | 112.6 |
| 121     | 30.1  | 24.3  | 36.5  |





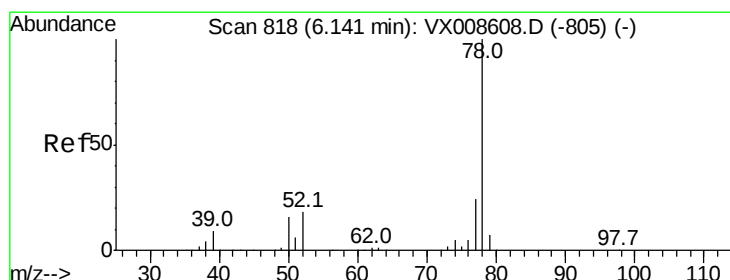
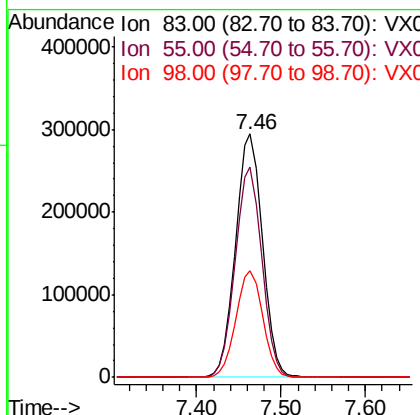
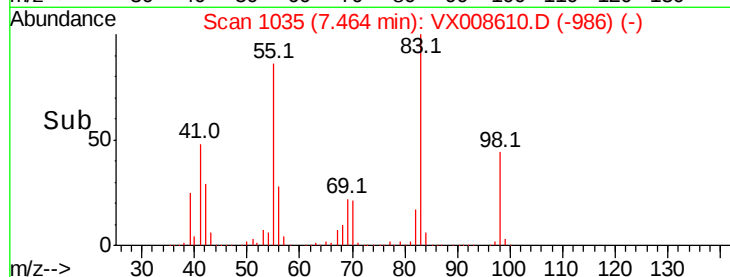
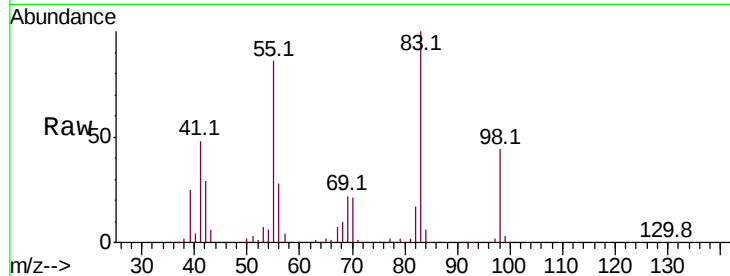
#39  
Methvlcvclohexane  
Concen: 141.736 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.1  | 69.0  | 103.6 |
| 98      | 44.0  | 34.4  | 51.6  |

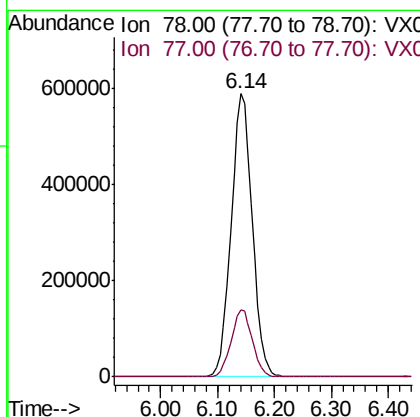
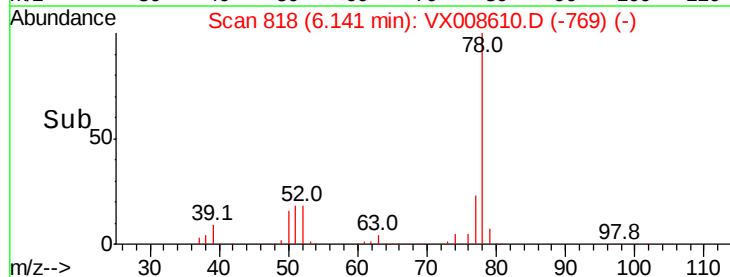
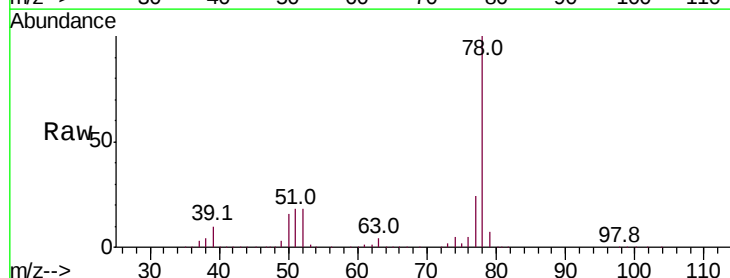
Manual Integrations  
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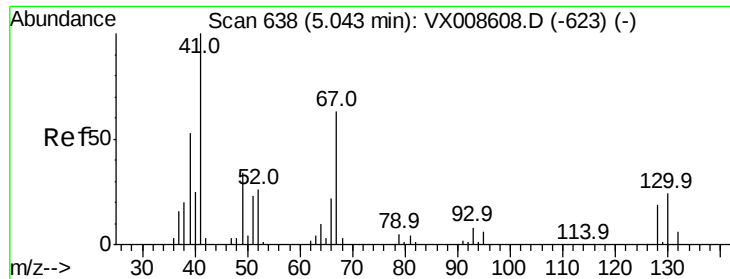
MMDadoda  
4/4/2019 3:38:36 PM



#40  
Benzene  
Concen: 141.362 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.1  | 28.7  |





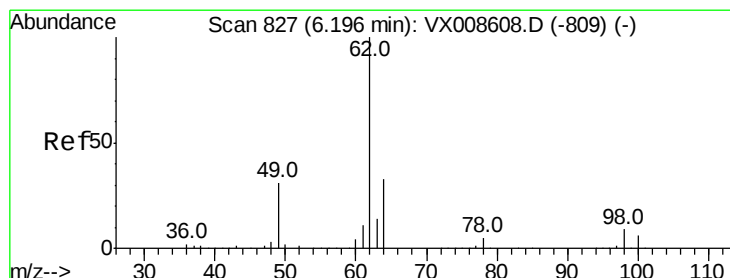
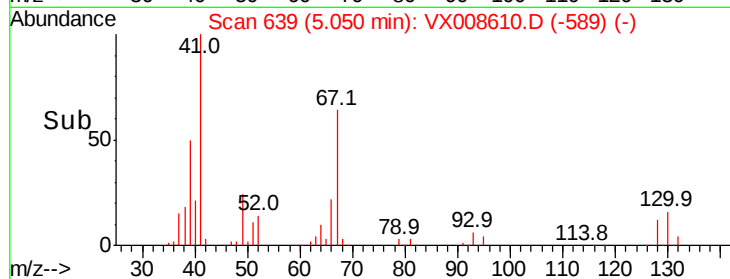
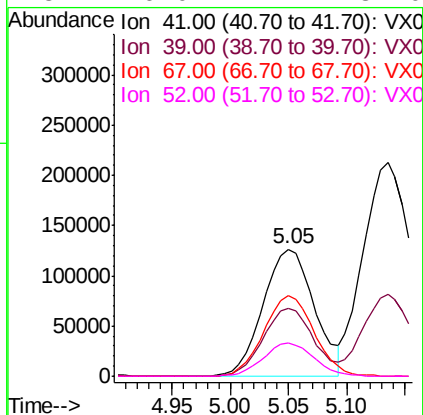
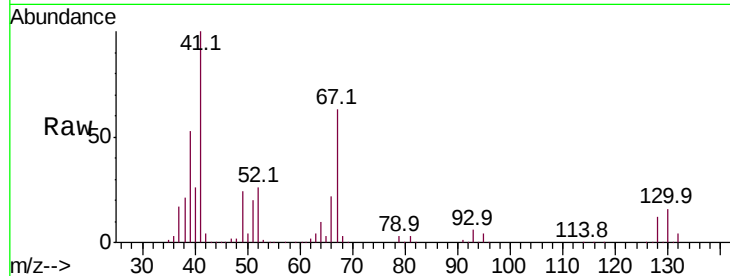
#41  
Methacrylonitrile  
Concen: 139.066 ug/l  
RT: 5.05 min Scan# 639  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.4 | 42.1  | 63.1  |       |
| 67      | 62.7 | 51.0  | 76.6  |       |
| 52      | 26.0 | 21.4  | 32.0  |       |

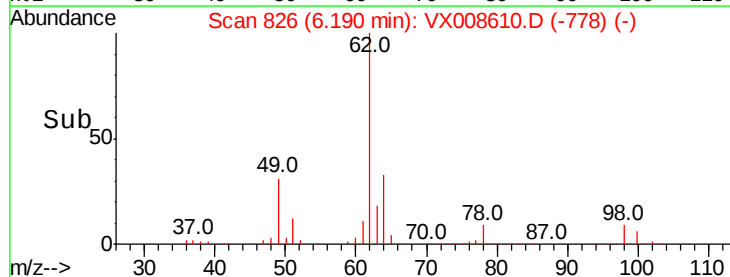
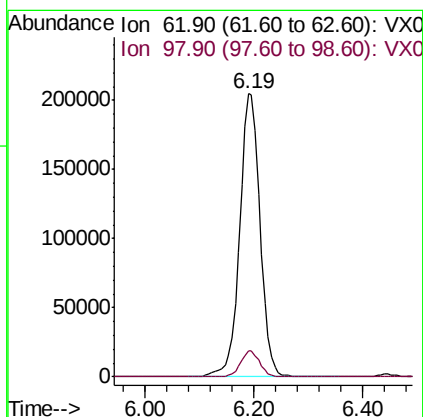
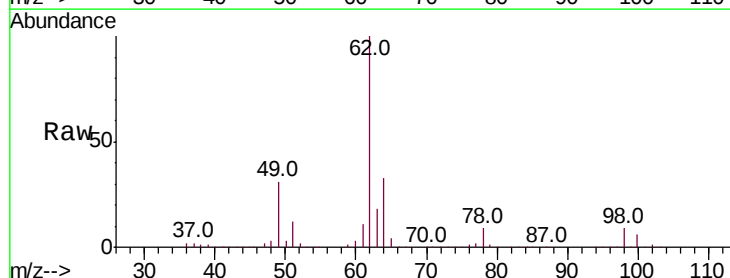
Manual Integrations  
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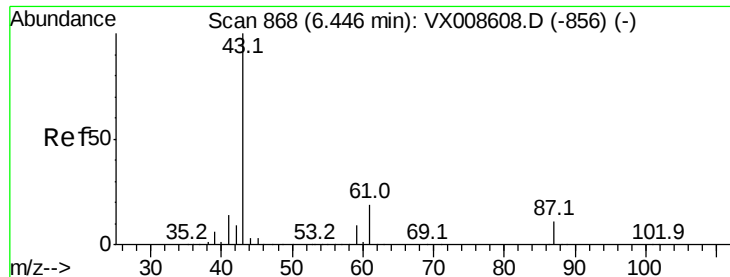
MMDadoda  
4/4/2019 3:38:36 PM



#42  
1,2-Dichloroethane  
Concen: 137.532 ug/l  
RT: 6.19 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.8 | 0.0   | 18.0  |       |





#43

Isopropyl Acetate

Concen: 146.044 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1105945

Ion Ratio Lower Upper

43 100

61 19.1 15.3 22.9

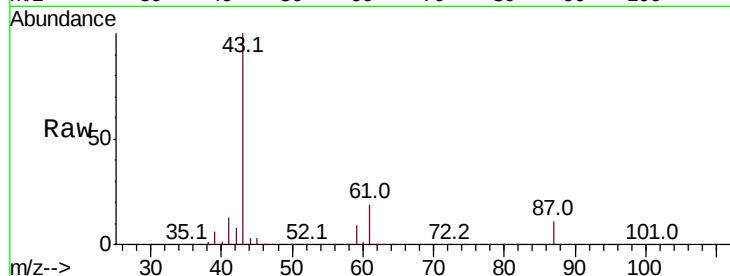
87 11.3 9.0 13.6

Manual Integrations

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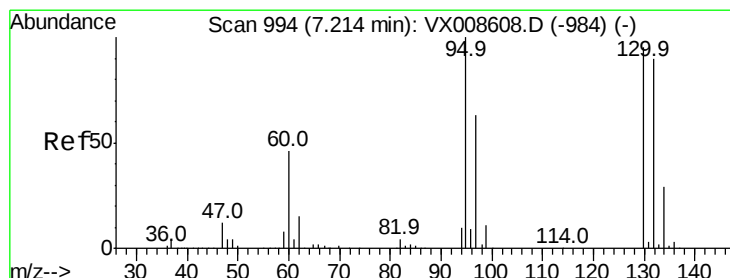
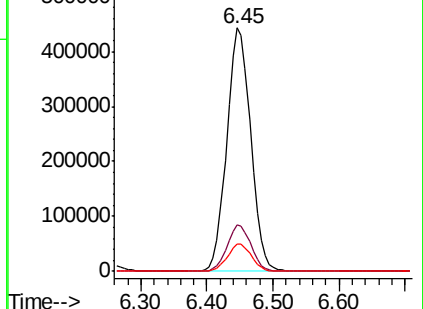
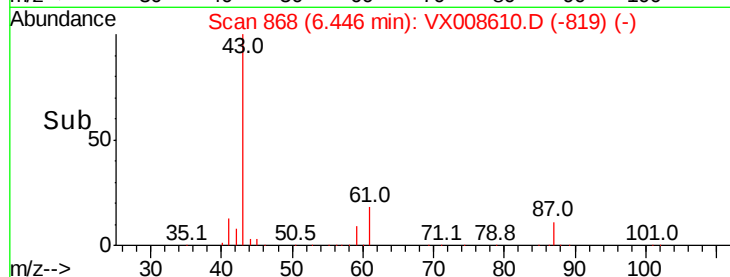
4/4/2019 3:38:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX008610.D (-819) (-)

Ion 61.00 (60.70 to 61.70): VX008610.D (-819) (-)

Ion 87.00 (86.70 to 87.70): VX008610.D (-819) (-)



#44

Trichloroethene

Concen: 143.221 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008610.D

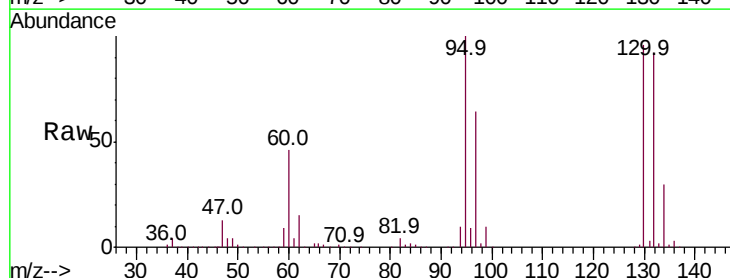
Acq: 03 Apr 2019 11:29

Tgt Ion:130 Resp: 359901

Ion Ratio Lower Upper

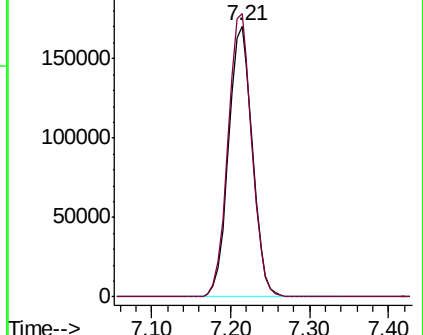
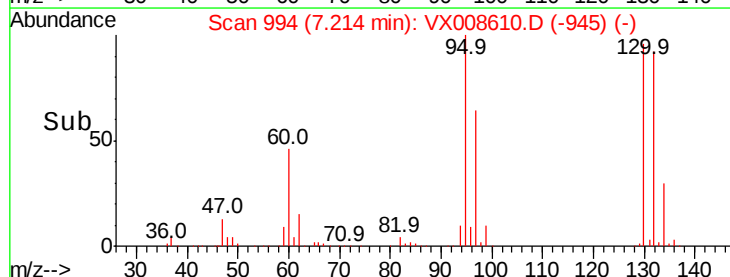
130 100

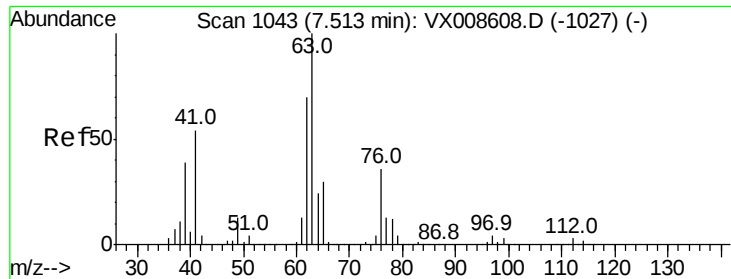
95 104.4 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VX008610.D (-945) (-)

Ion 94.90 (94.60 to 95.60): VX008610.D (-945) (-)





#45

1,2-Dichloropropane

Concen: 141.224 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 434903

Ion Ratio Lower Upper

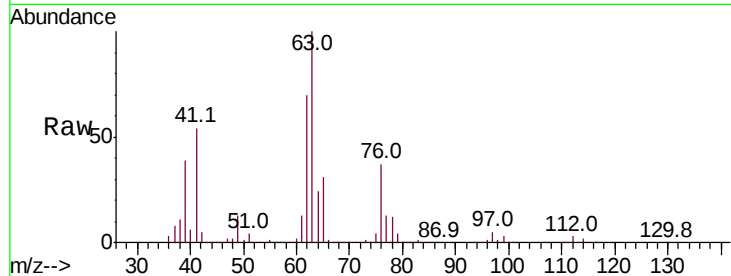
63 100

65 30.9 24.2 36.4

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

250000

200000

150000

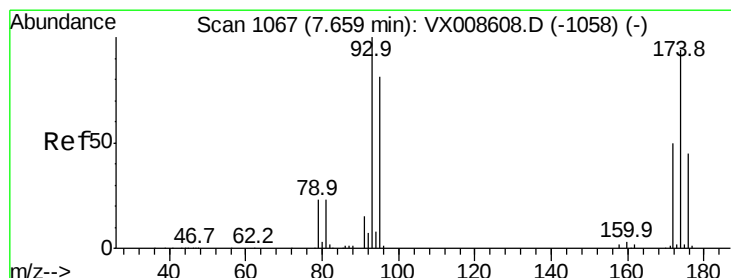
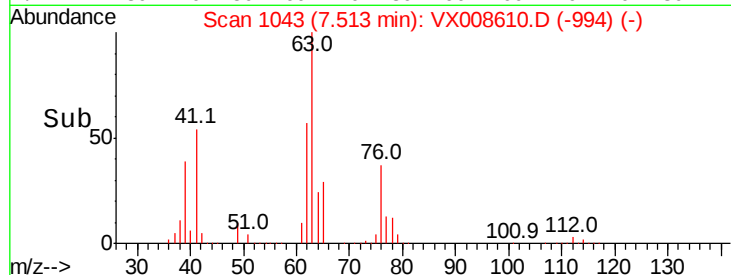
100000

50000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 139.928 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

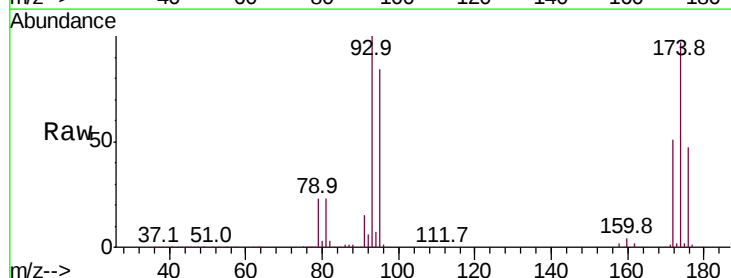
Tgt Ion: 93 Resp: 249923

Ion Ratio Lower Upper

93 100

95 82.8 66.6 99.8

174 97.8 77.7 116.5



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

150000

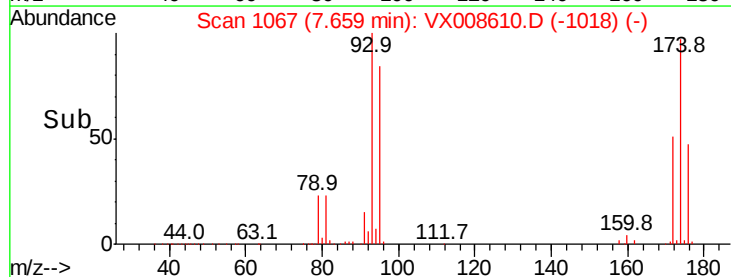
100000

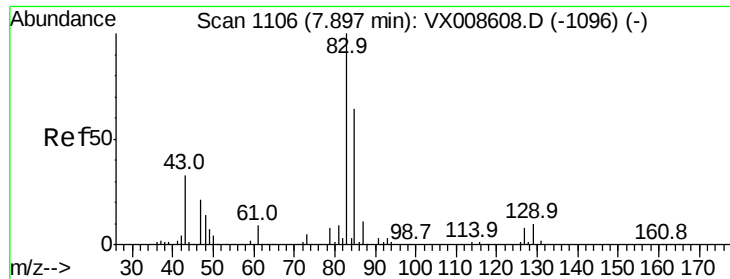
50000

0

7.50 7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 150.231 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

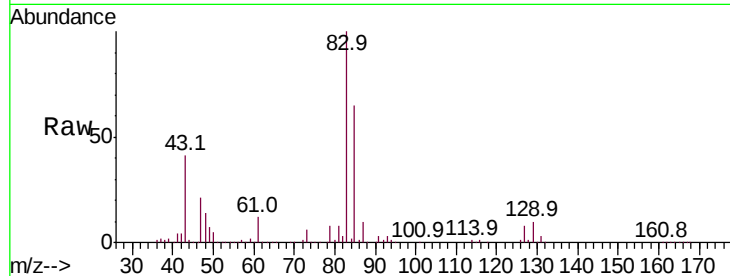
ClientSampleId :

VSTDIC150

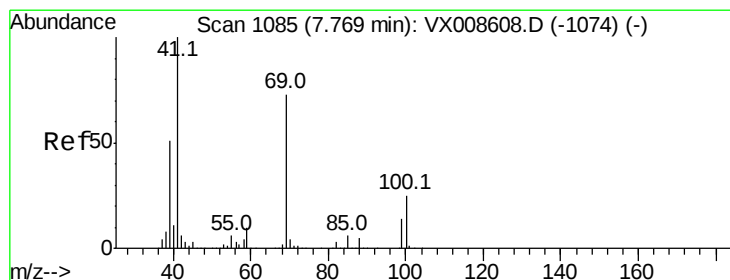
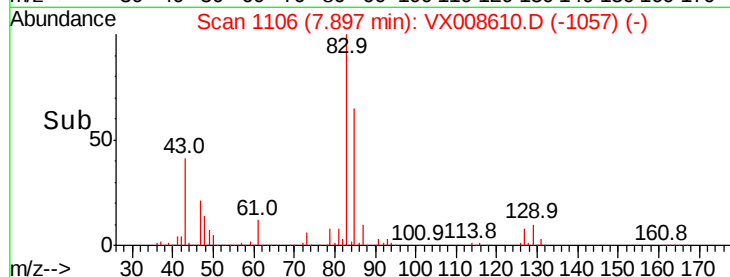
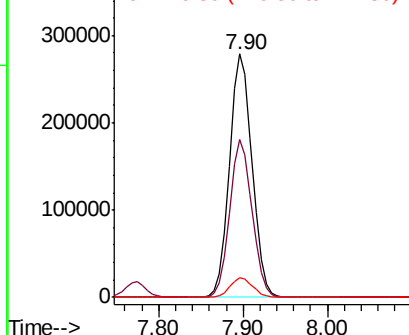
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 505926 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.7  | 51.2  | 76.8   |
| 127       | 7.9   | 6.6   | 10.0   |

Manual Integrations  
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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 142.384 ug/l

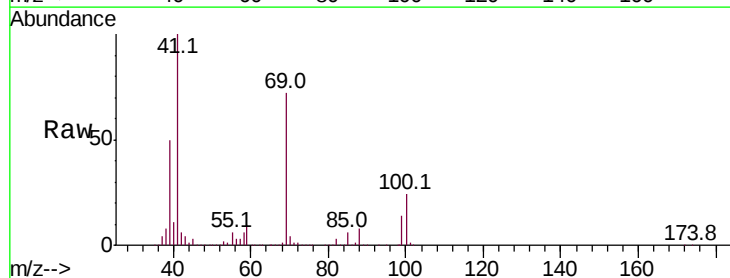
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

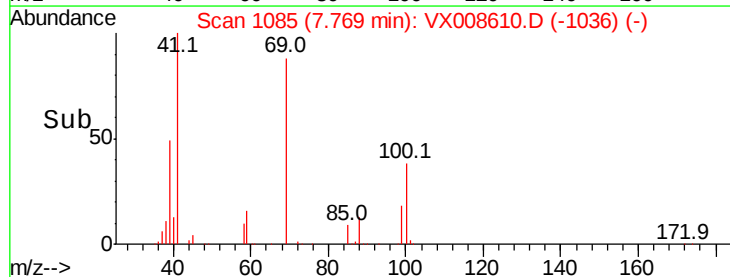
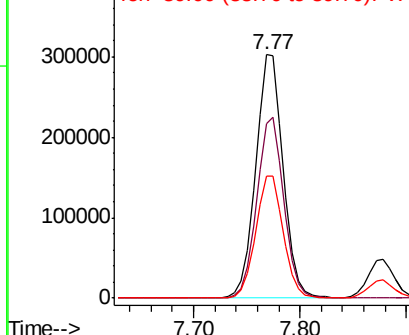
Lab File: VX008610.D

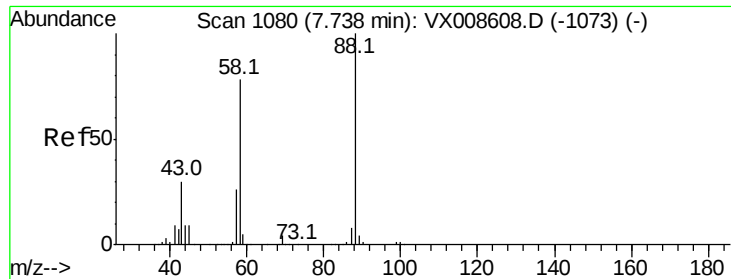
Acq: 03 Apr 2019 11:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 545422 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 73.6  | 59.0  | 88.4   |
| 39        | 50.5  | 41.0  | 61.4   |



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





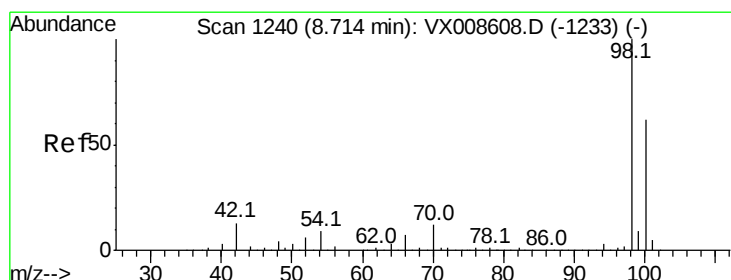
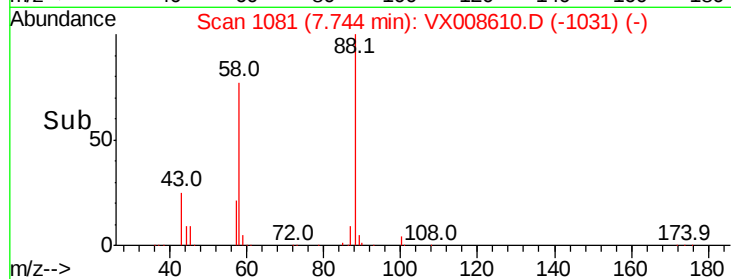
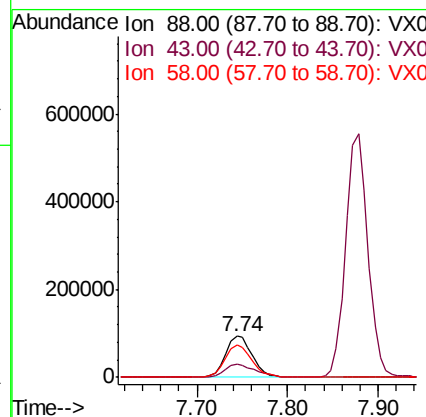
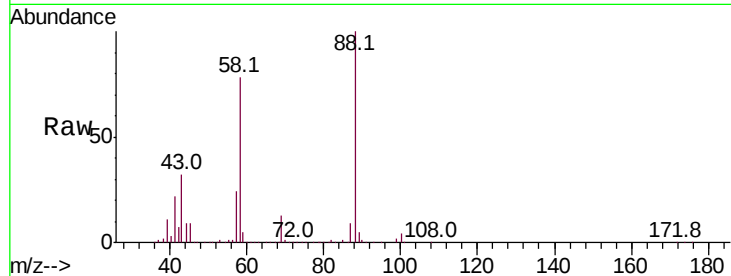
#49  
1,4-Dioxane  
Concen: 2681.451 ug/l  
RT: 7.74 min Scan# 1081  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.7  | 28.6  | 43.0  |
| 58      | 79.1  | 62.2  | 93.2  |

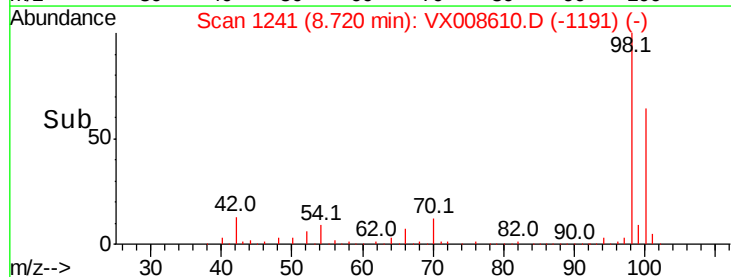
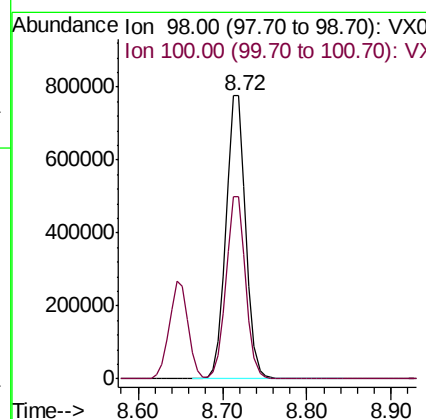
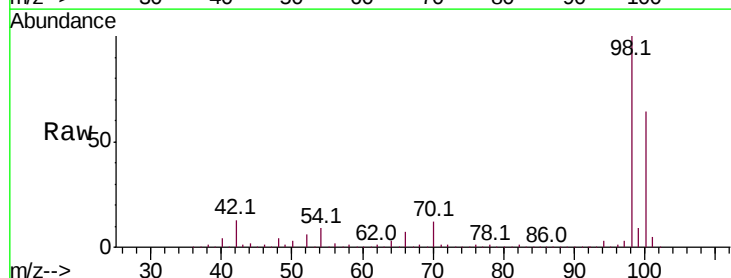
Manual Integrations  
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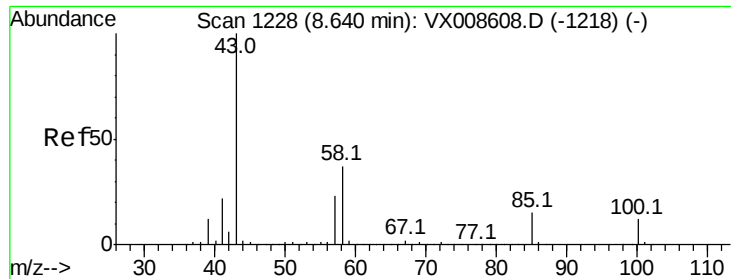
MMDadoda  
4/4/2019 3:38:36 PM



#50  
Toluene-d8  
Concen: 148.619 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.1  | 51.4  | 77.0  |





#51

4-Methyl-2-Pentanone

Concen: 682.163 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3325426

Ion Ratio Lower Upper

43 100

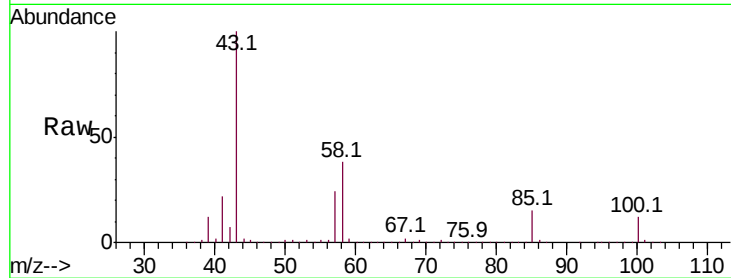
58 37.5 29.5 44.3

Manual Integrations

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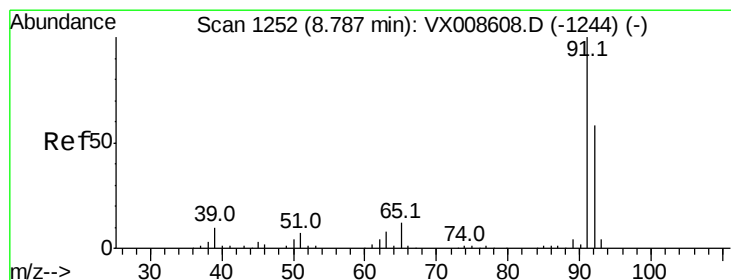
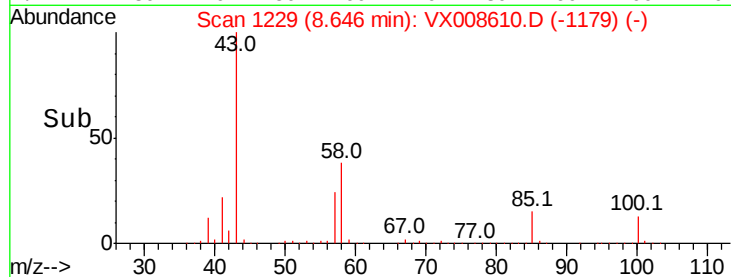
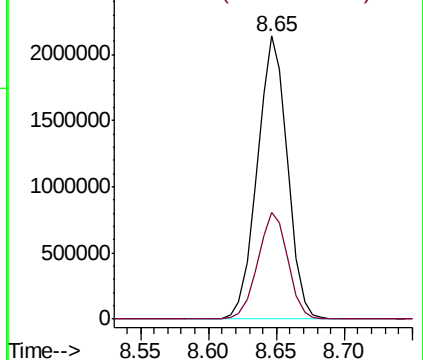
MMDadoda

4/4/2019 3:38:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 140.886 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008610.D

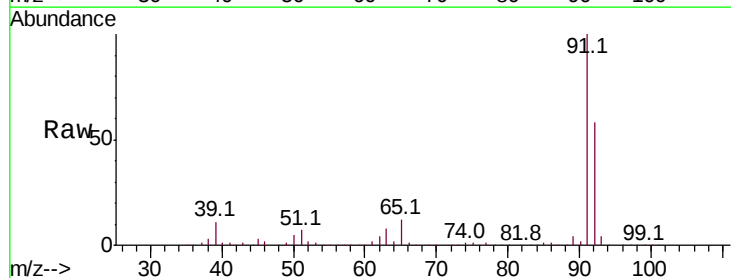
Acq: 03 Apr 2019 11:29

Tgt Ion: 92 Resp: 896155

Ion Ratio Lower Upper

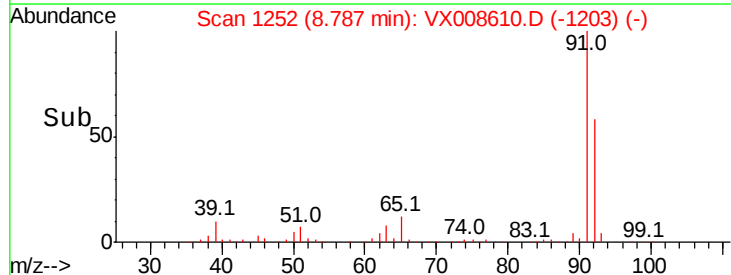
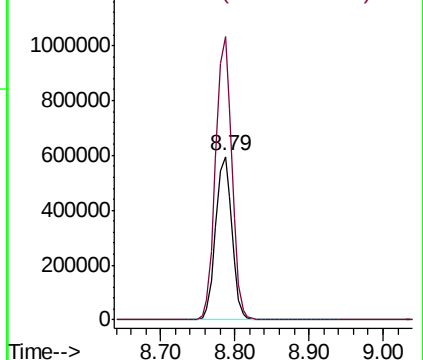
92 100

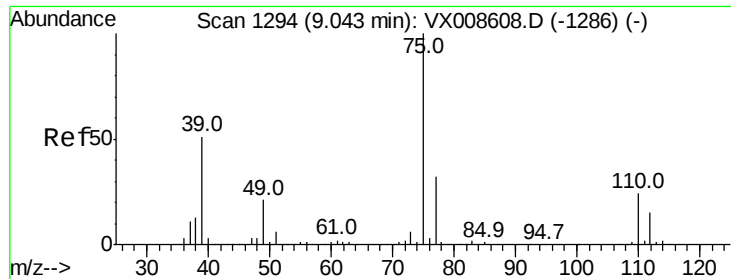
91 172.9 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





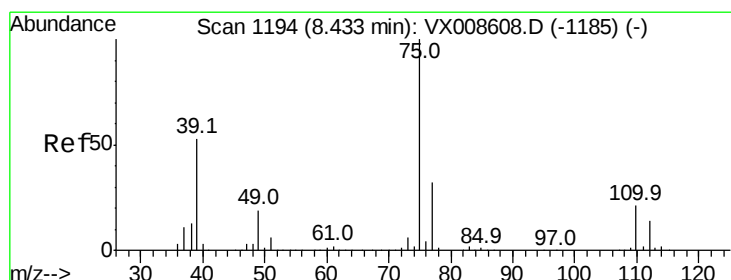
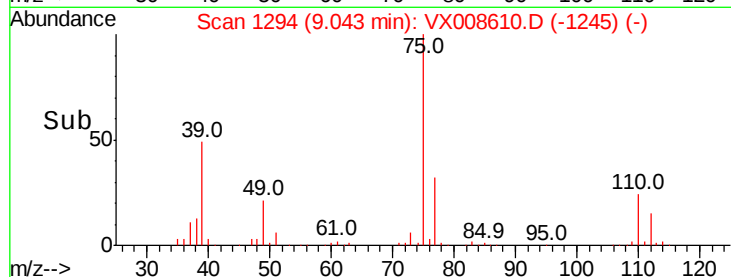
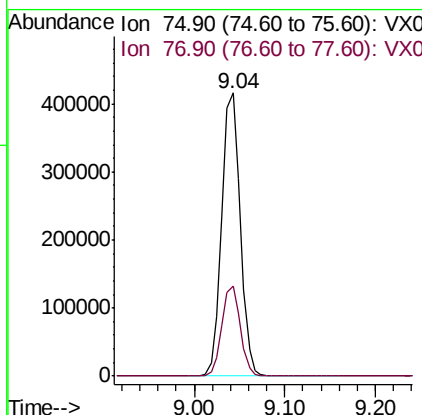
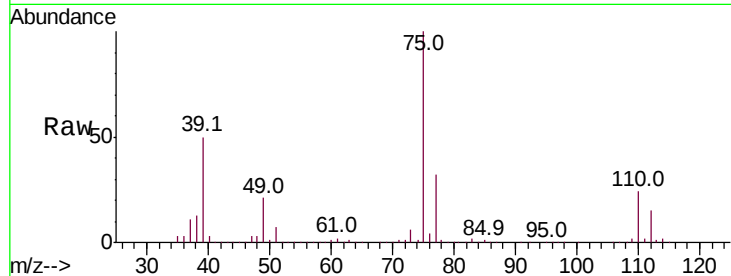
#53  
 t-1,3-Dichloropropene  
 Concen: 157.671 ug/l  
 RT: 9.04 min Scan# 1294  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 75 Resp: 594788  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.2 37.8

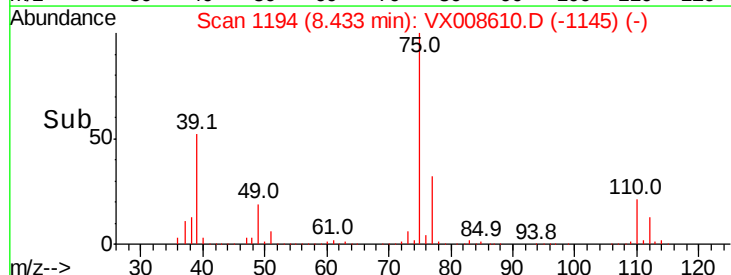
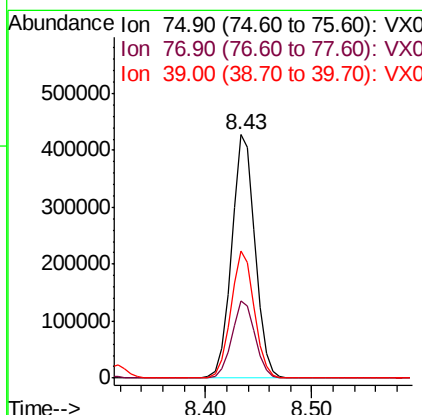
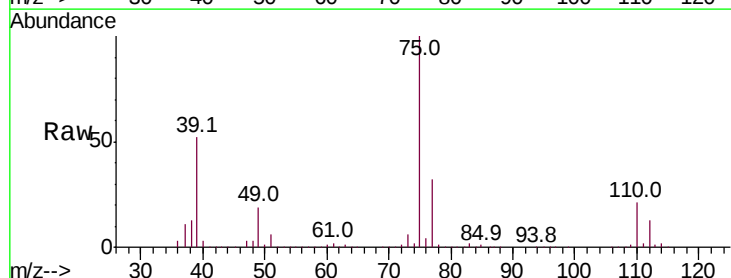
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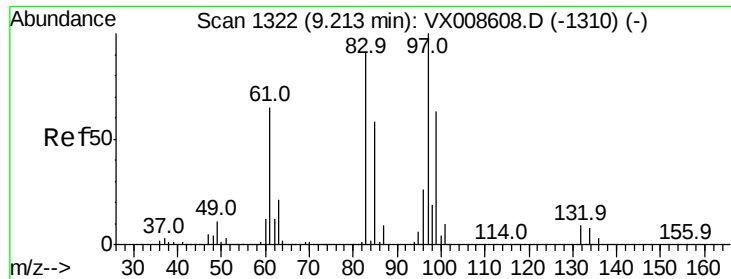
MMDadoda  
 4/4/2019 3:38:36 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 152.506 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Tgt Ion: 75 Resp: 657367  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.3 37.9  
 39 52.0 42.6 63.8





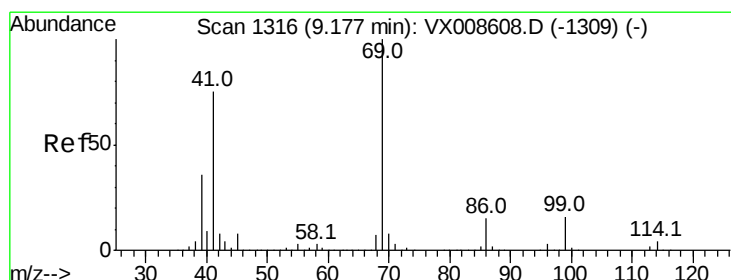
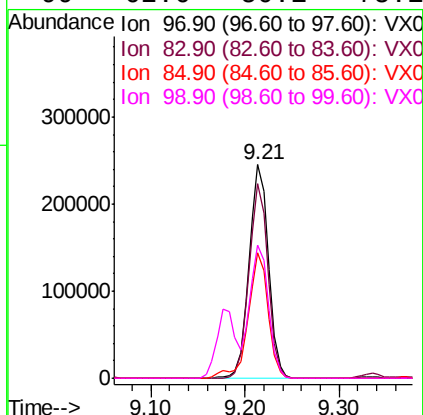
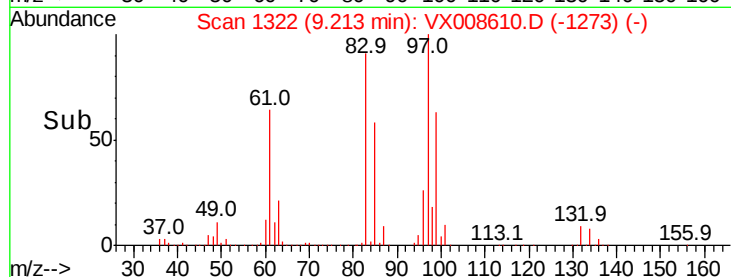
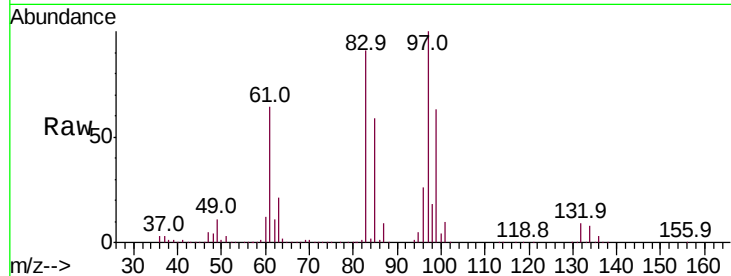
#55  
 1,1,2-Trichloroethane  
 Concen: 138.505 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 91.2  | 73.2  | 109.8 |
| 85      | 58.5  | 46.6  | 69.8  |
| 99      | 62.6  | 50.1  | 75.1  |

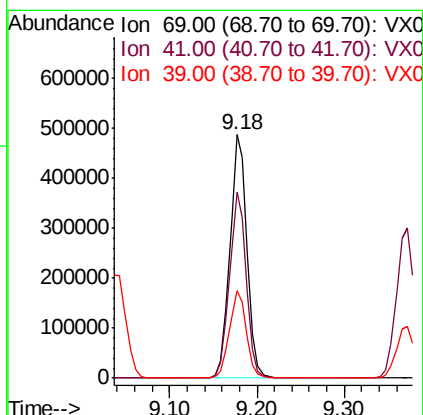
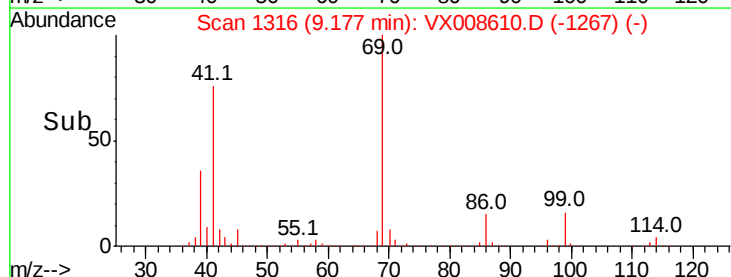
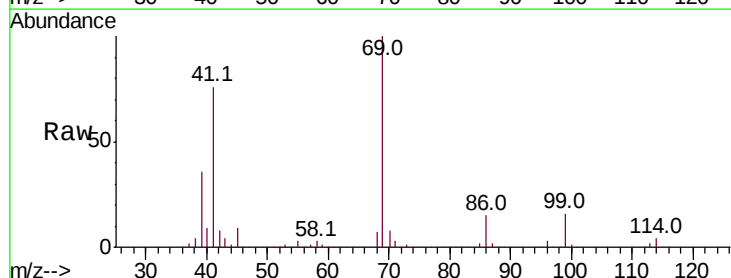
Manual Integrations  
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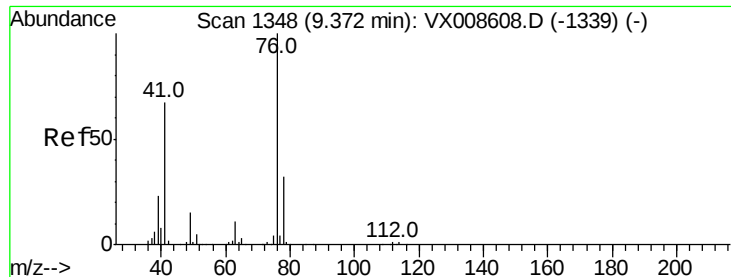
MMDadoda  
 4/4/2019 3:38:36 PM



#56  
 Ethyl methacrylate  
 Concen: 142.492 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 75.3  | 60.1  | 90.1  |
| 39      | 35.6  | 28.9  | 43.3  |





#57

1,3-Dichloropropane

Concen: 138.015 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 632778

Ion Ratio Lower Upper

76 100

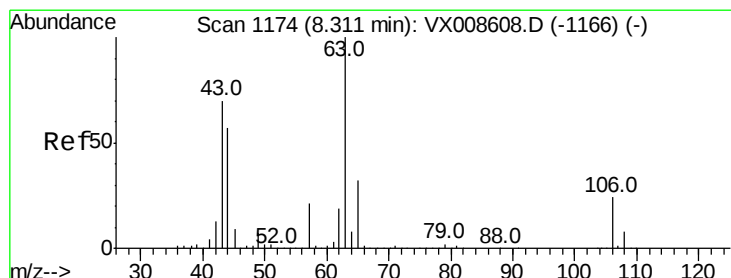
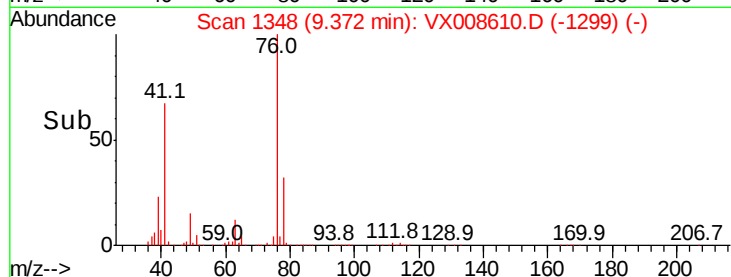
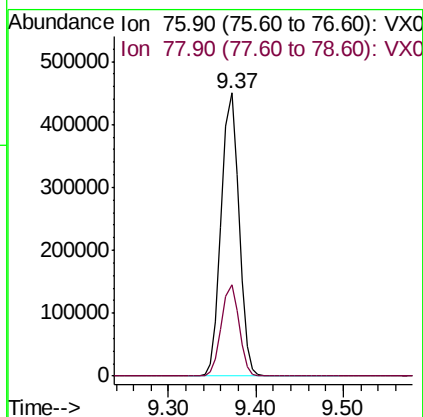
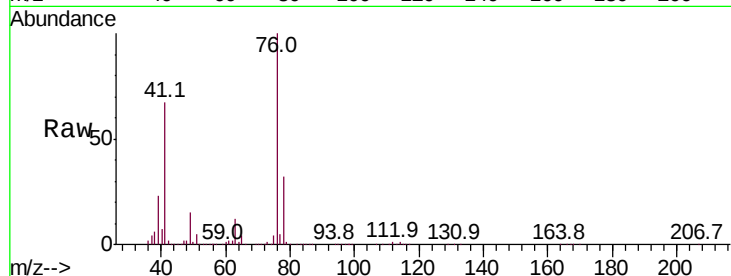
78 32.3 25.6 38.4

Manual Integrations

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4/4/2019 3:38:36 PM



#58

2-Chloroethyl Vinyl ether

Concen: 727.924 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008610.D

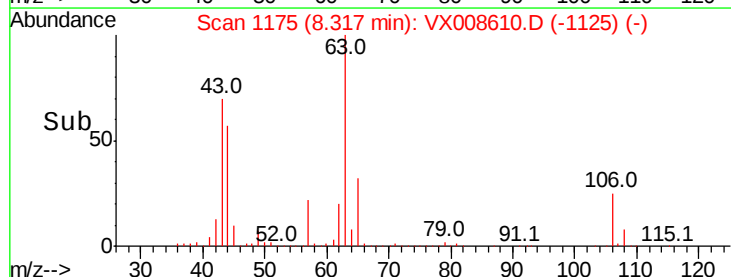
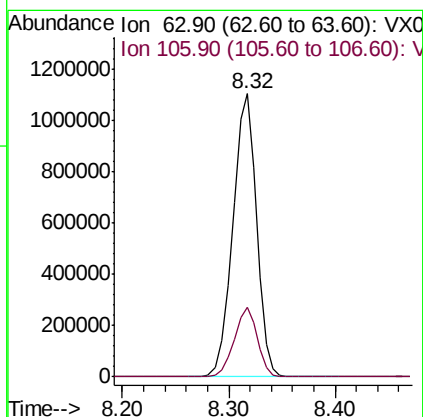
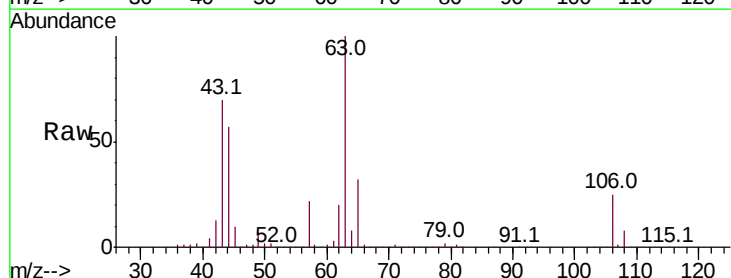
Acq: 03 Apr 2019 11:29

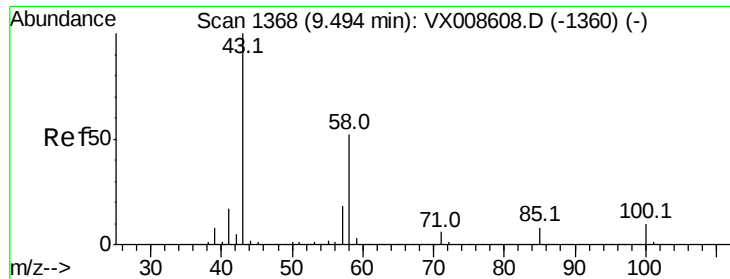
Tgt Ion: 63 Resp: 1717118

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.6





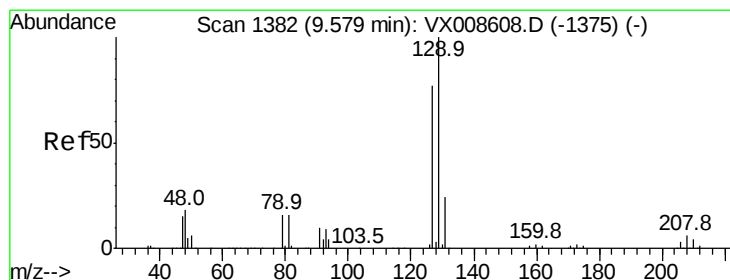
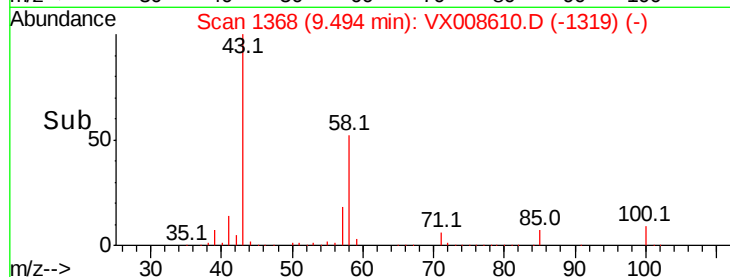
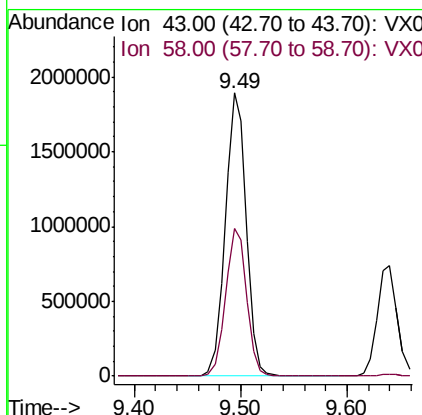
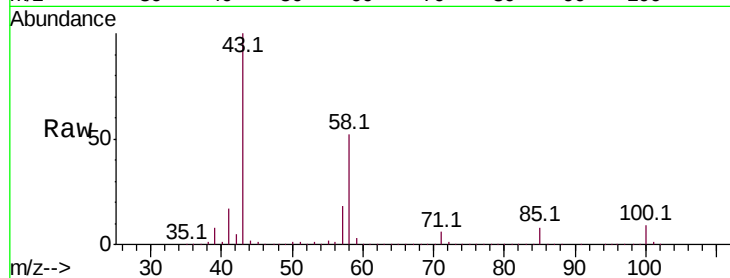
#59  
2-Hexanone  
Concen: 685.404 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC150

Tot Ion: 43 Resp: 2596623  
Ion Ratio Lower Upper  
43 100  
58 52.4 25.9 77.7

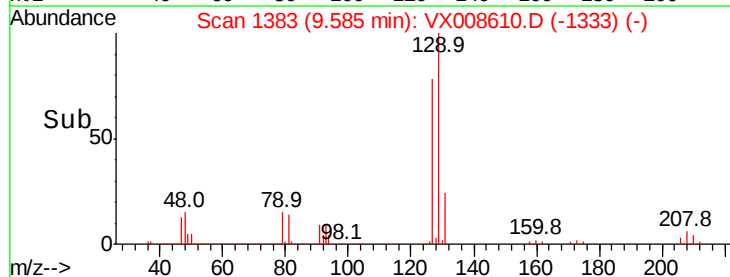
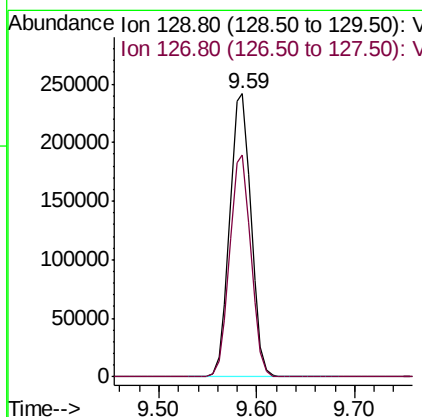
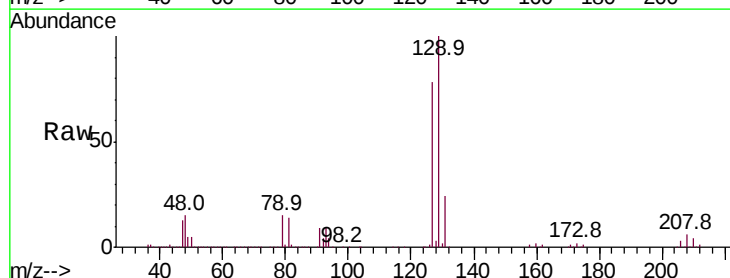
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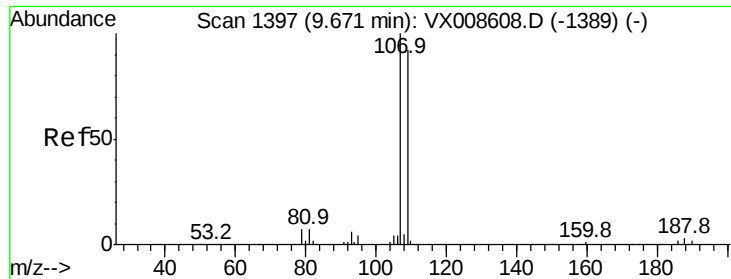
MMDadoda  
4/4/2019 3:38:36 PM



#60  
Dibromochloromethane  
Concen: 152.021 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Tgt Ion: 129 Resp: 365766  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 140.226 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 372733

Ion Ratio Lower Upper

107 100

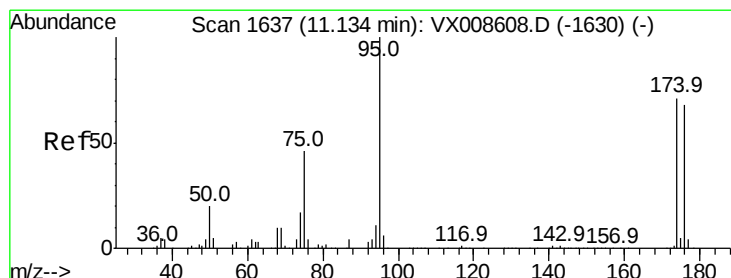
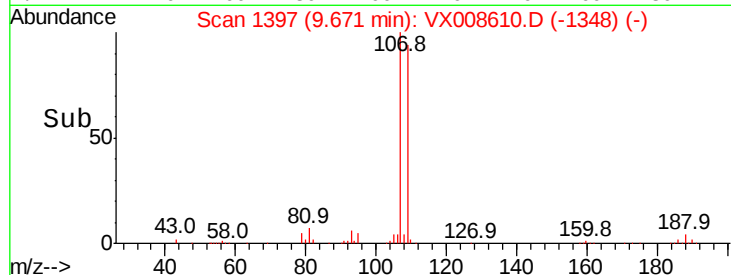
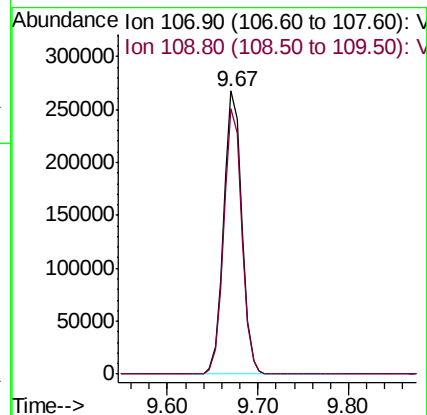
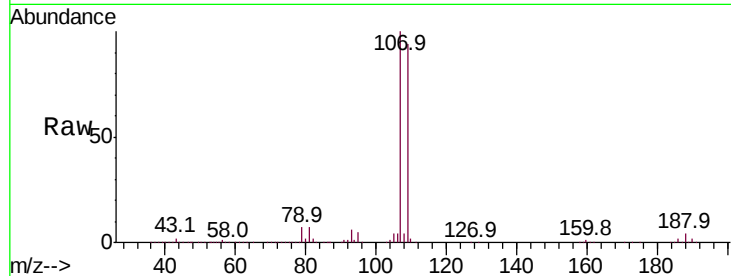
109 93.9 74.1 111.1

Manual Integrations

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4/4/2019 3:38:36 PM



#62

4-Bromofluorobenzene

Concen: 149.118 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

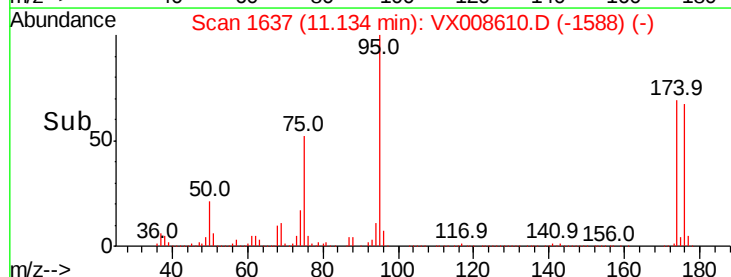
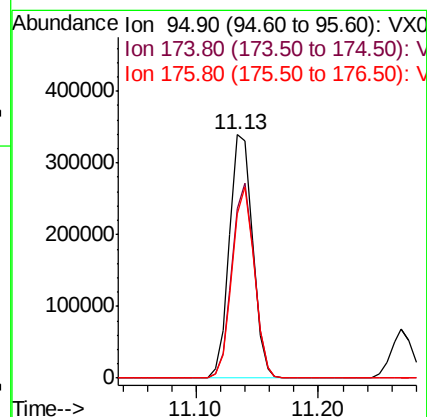
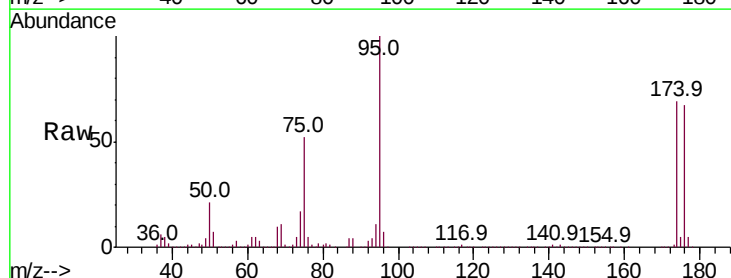
Tgt Ion: 95 Resp: 446018

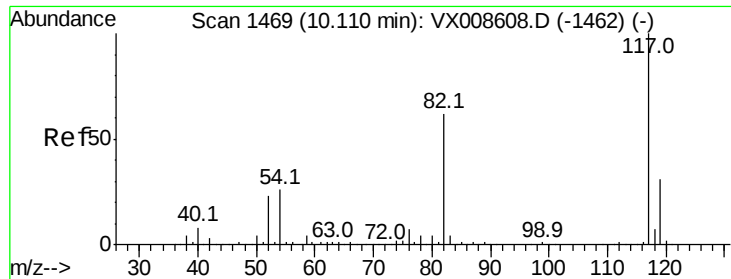
Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.8

176 75.0 0.0 145.8





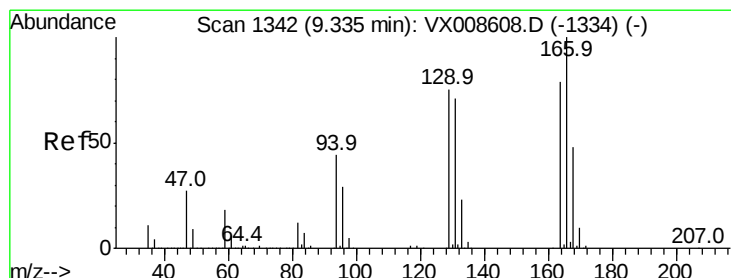
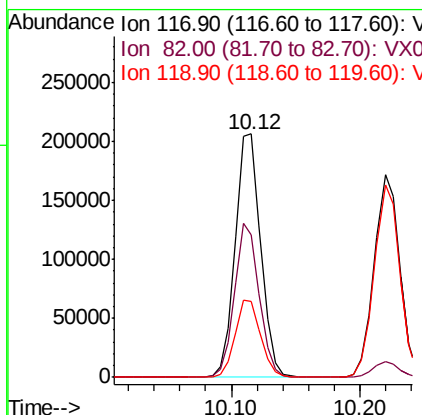
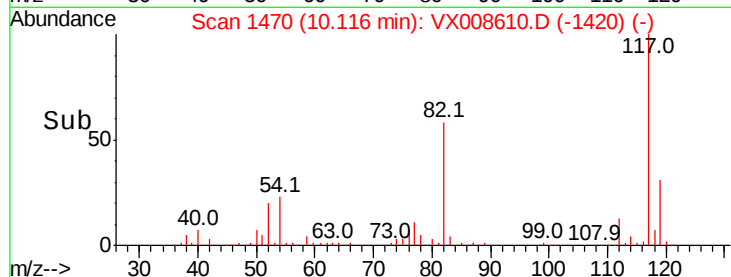
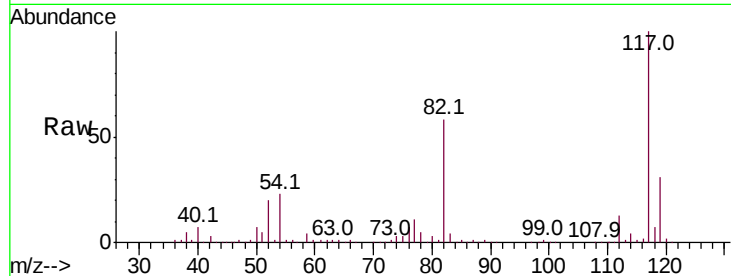
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 284761 |       |       |
| 82      | 58.4  | 49.6   | 74.4  |       |
| 119     | 31.3  | 25.0   | 37.4  |       |

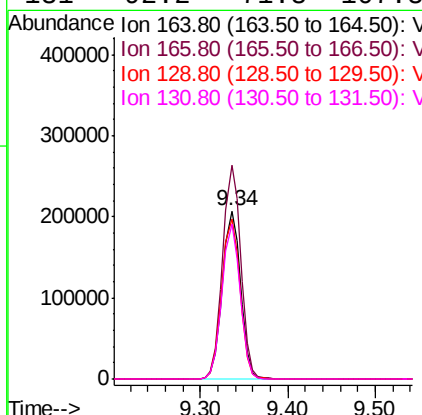
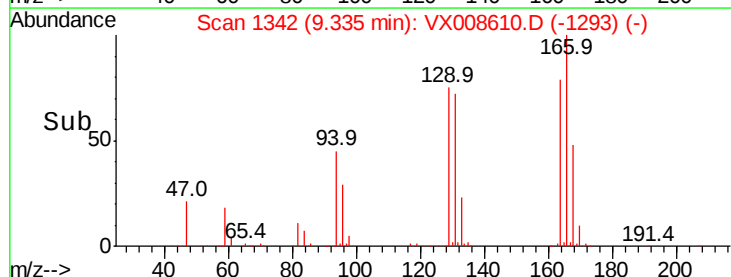
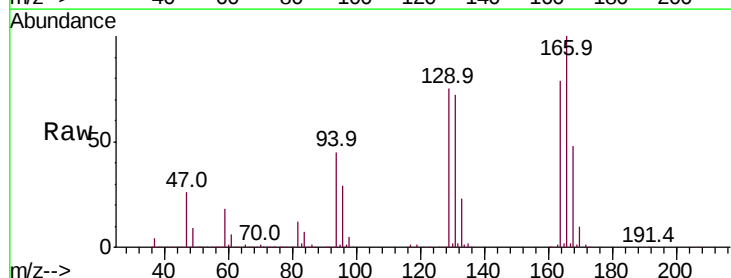
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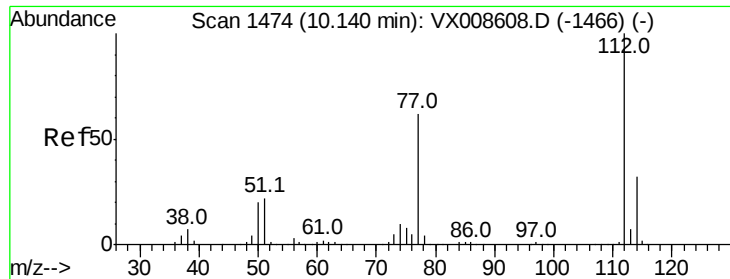
MMDadoda  
4/4/2019 3:38:36 PM



#64  
Tetrachloroethene  
Concen: 140.670 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 296783 |       |       |
| 166     | 127.3 | 101.0  | 151.6 |       |
| 129     | 95.7  | 75.8   | 113.8 |       |
| 131     | 92.2  | 71.8   | 107.8 |       |





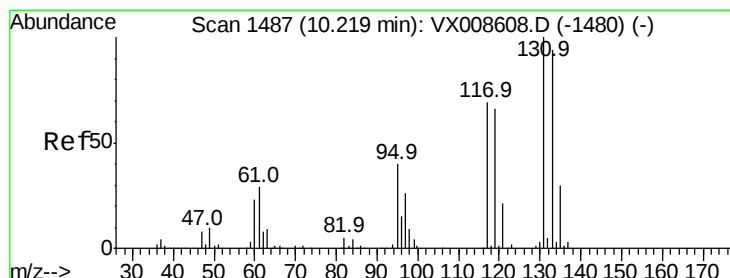
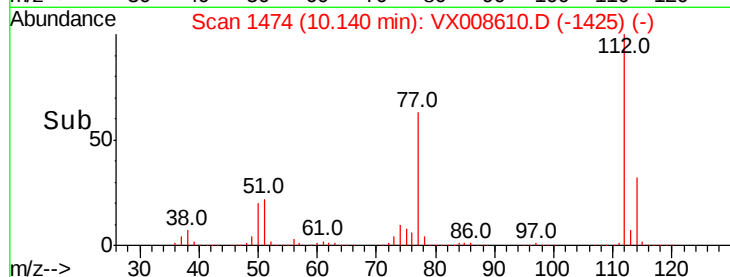
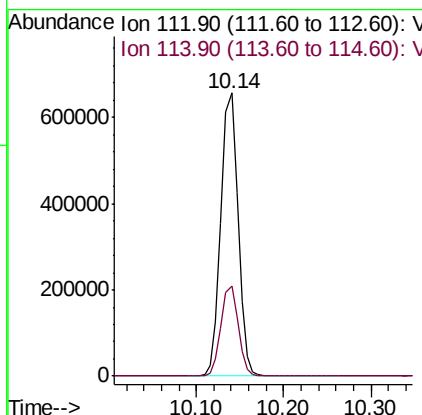
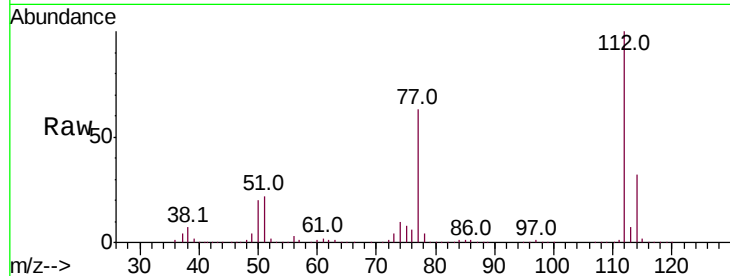
#65  
Chlorobenzene  
Concen: 141.825 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion:112 Resp: 895233  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.8 38.8

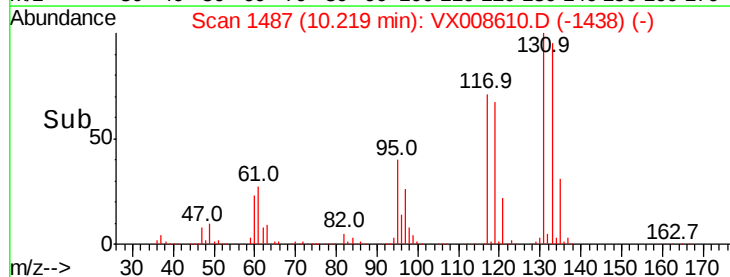
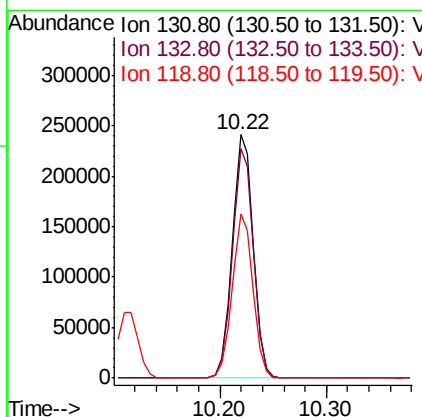
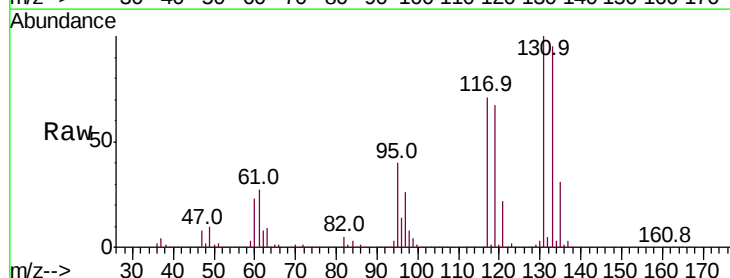
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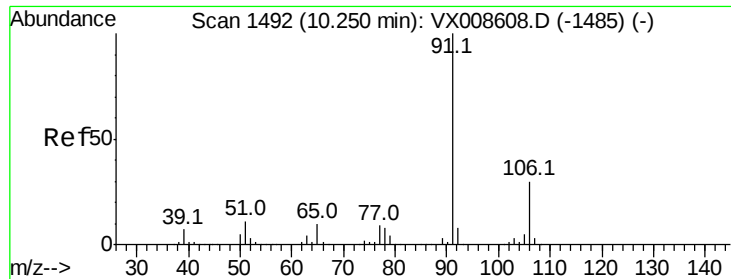
MMDadoda  
4/4/2019 3:38:36 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 149.714 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Tgt Ion:131 Resp: 331535  
Ion Ratio Lower Upper  
131 100  
133 94.6 47.0 141.2  
119 66.9 33.7 101.0





#67

Ethyl Benzene

Concen: 145.091 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1707772

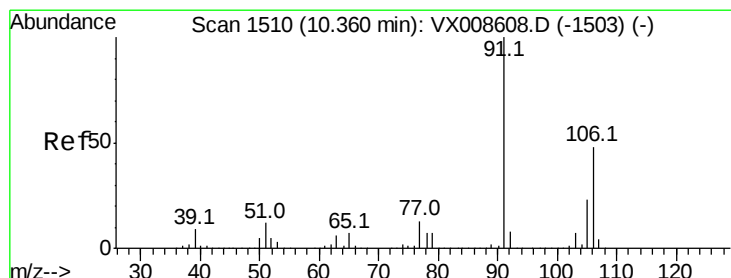
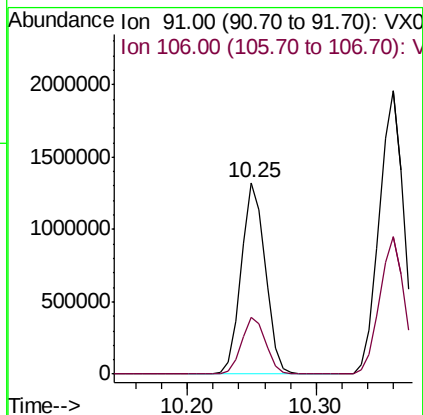
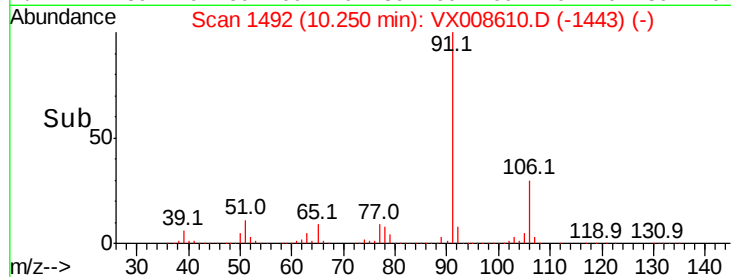
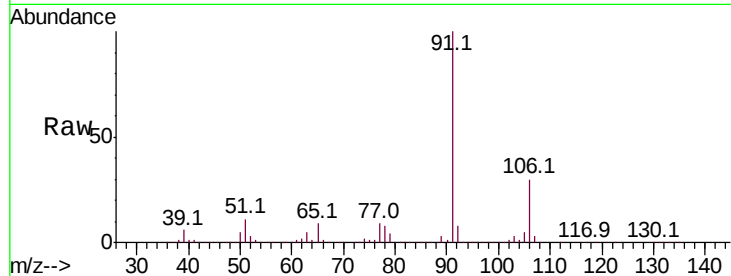
Ion Ratio Lower Upper

91 100

106 30.0 23.7 35.5

Manual Integrations  
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4/4/2019 3:38:36 PM



#68

m/p-Xylenes

Concen: 292.227 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008610.D

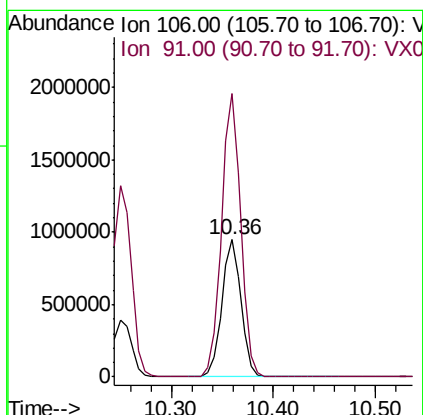
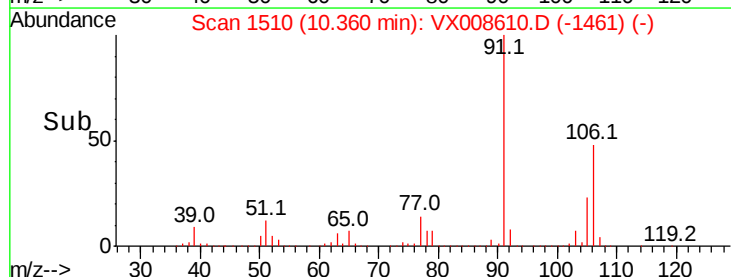
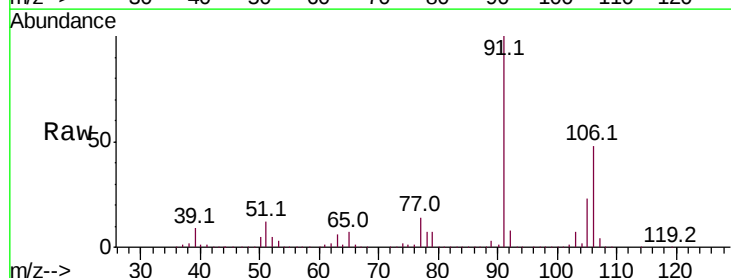
Acq: 03 Apr 2019 11:29

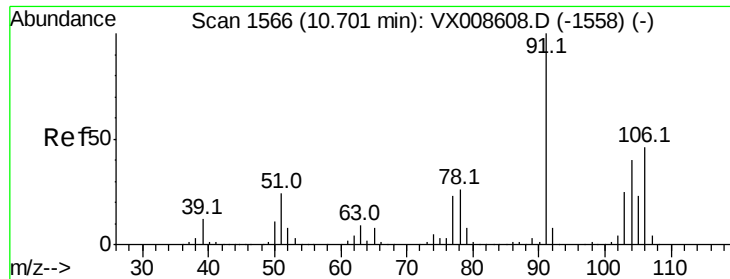
Tgt Ion: 106 Resp: 1236721

Ion Ratio Lower Upper

106 100

91 207.7 168.5 252.7





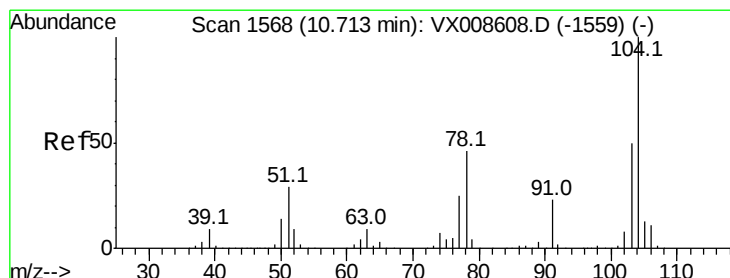
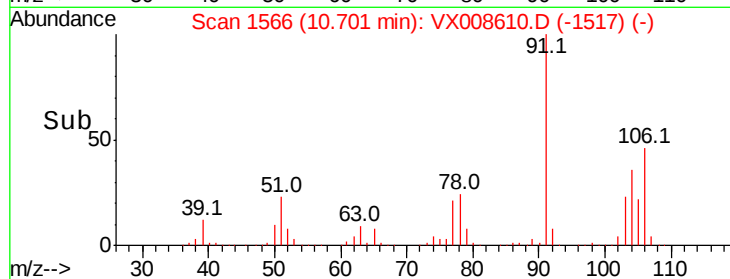
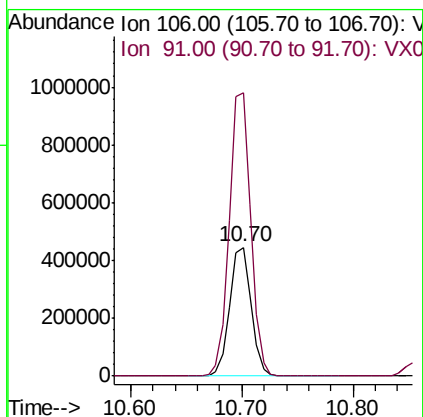
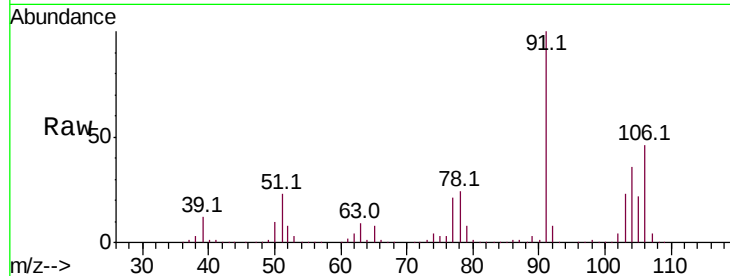
#69  
o-Xylene  
Concen: 144.027 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC150

Tot Ion:106 Resp: 590705  
Ion Ratio Lower Upper  
106 100  
91 221.1 111.5 334.4

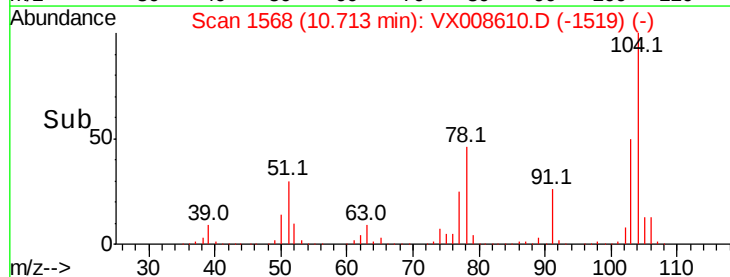
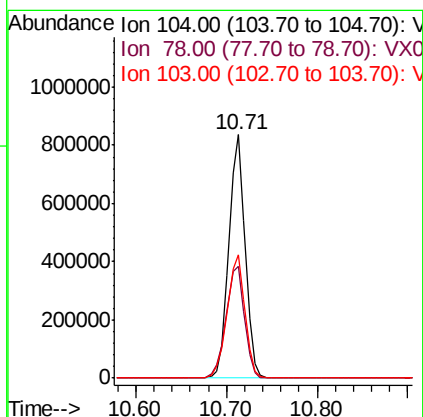
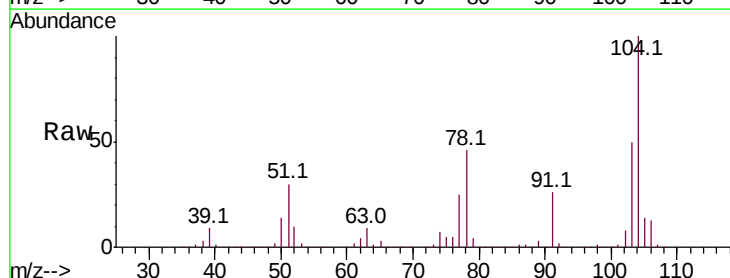
Manual Integrations  
APPROVED

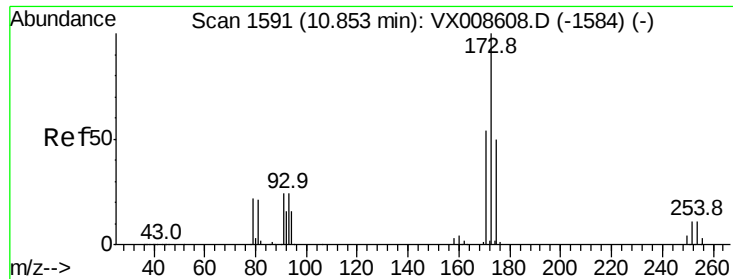
MMDadoda  
4/4/2019 3:38:36 PM



#70  
Styrene  
Concen: 147.219 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Tgt Ion:104 Resp: 1040794  
Ion Ratio Lower Upper  
104 100  
78 52.6 42.3 63.5  
103 55.4 44.4 66.6





#71

Bromoform

Concen: 162.774 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC150

Tot Ion:173 Resp: 275298

Ion Ratio Lower Upper

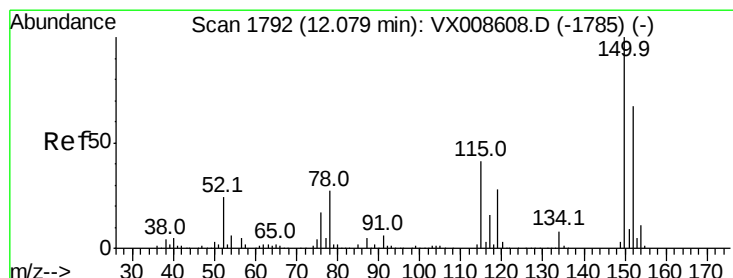
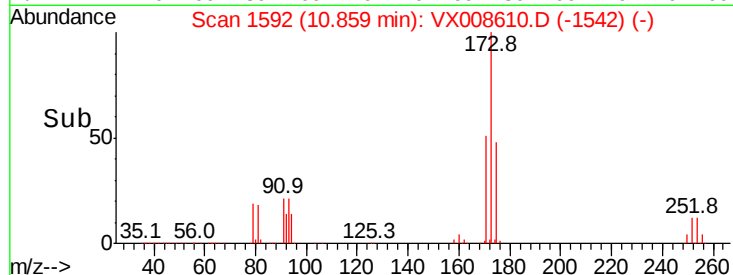
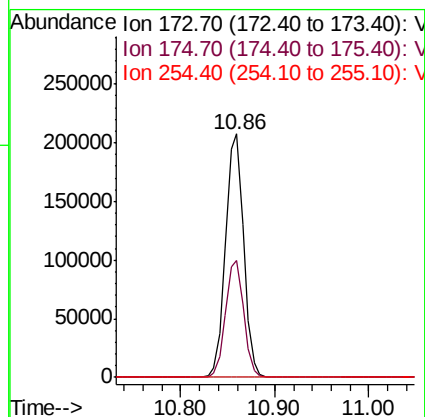
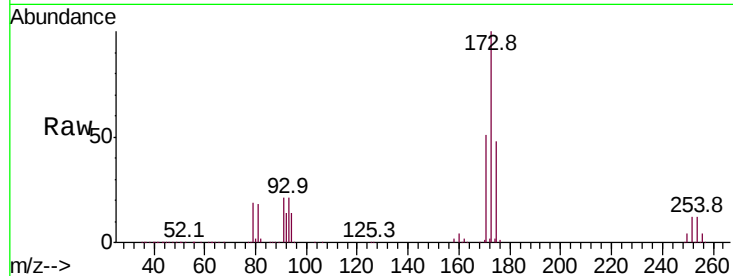
173 100

175 48.3 24.9 74.6

254 0.2 0.1 0.1#

Manual Integrations  
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MMDadoda  
4/4/2019 3:38:36 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

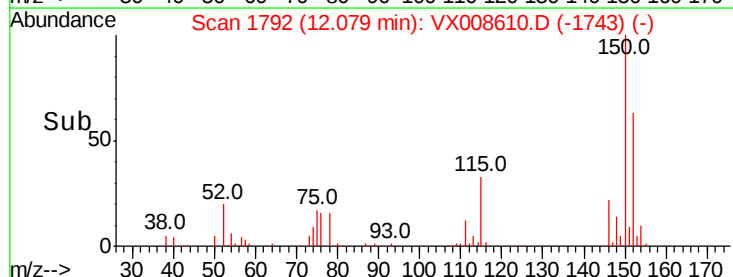
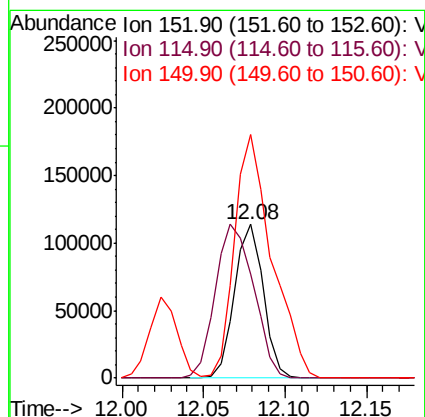
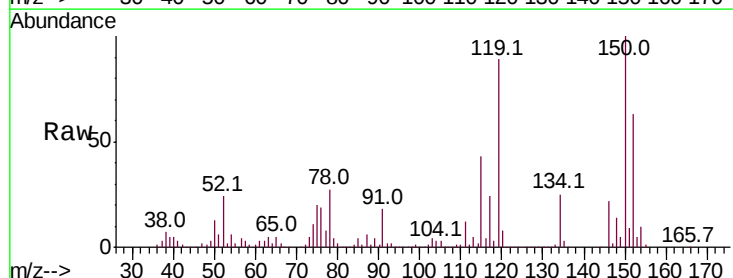
Tgt Ion:152 Resp: 139318

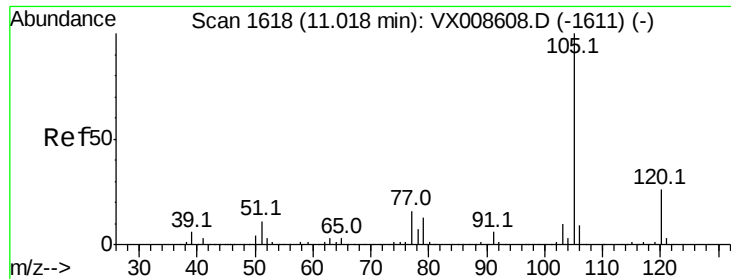
Ion Ratio Lower Upper

152 100

115 134.5 43.5 130.5#

150 206.4 0.0 348.8





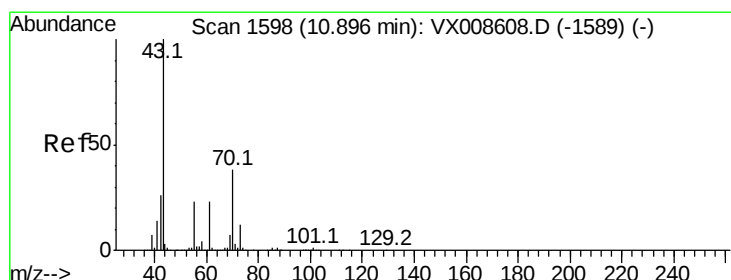
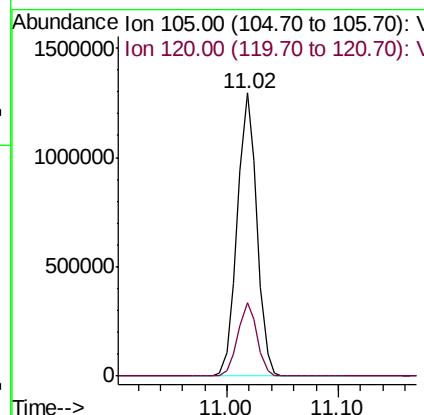
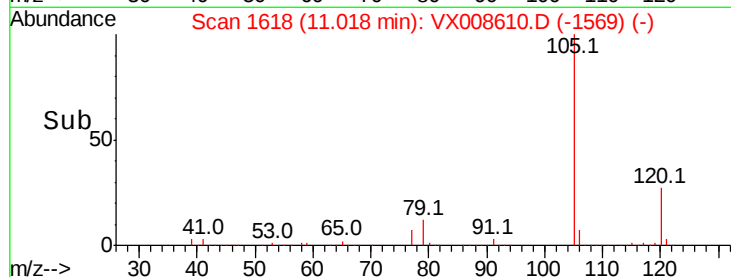
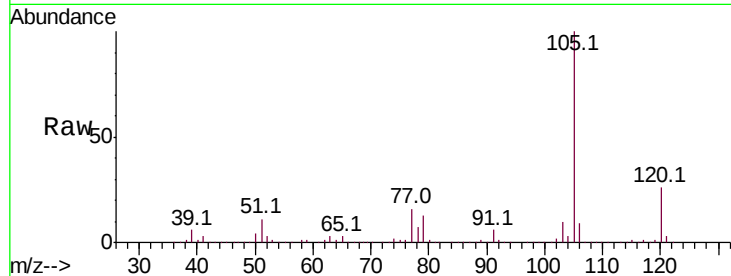
#73  
Isopropylbenzene  
Concen: 136.186 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion:105 Resp: 1572364  
Ion Ratio Lower Upper  
105 100  
120 25.7 12.9 38.6

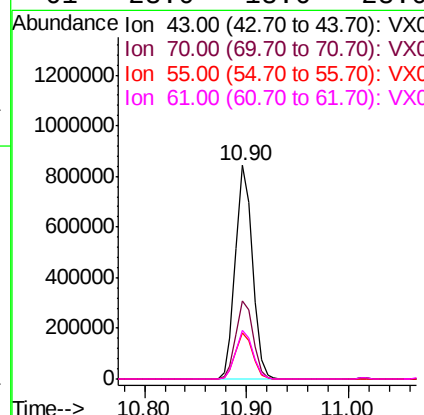
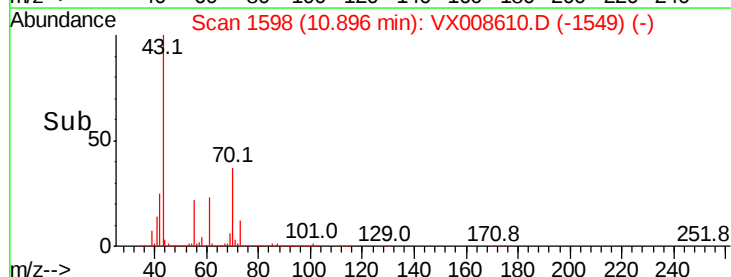
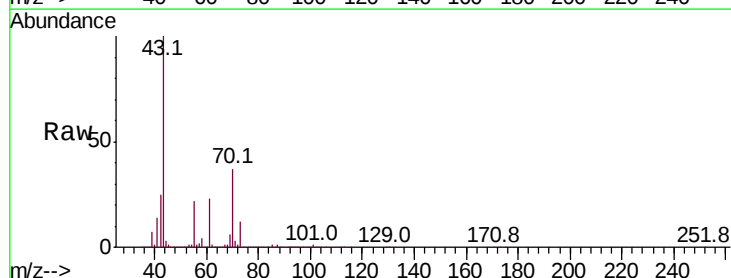
Manual Integrations  
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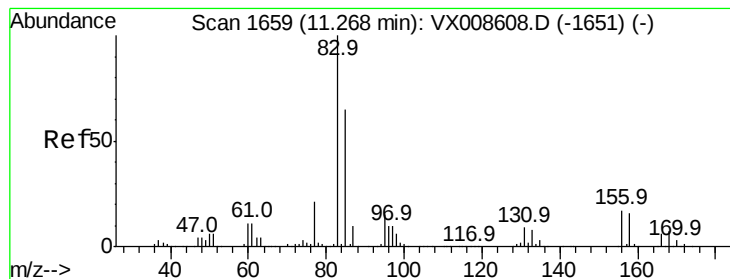
MMDadoda  
4/4/2019 3:38:36 PM



#74  
N-ethyl acetate  
Concen: 142.731 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Tgt Ion: 43 Resp: 969547  
Ion Ratio Lower Upper  
43 100  
70 37.4 30.2 45.4  
55 22.0 18.2 27.4  
61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 132.677 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 582586

Ion Ratio Lower Upper

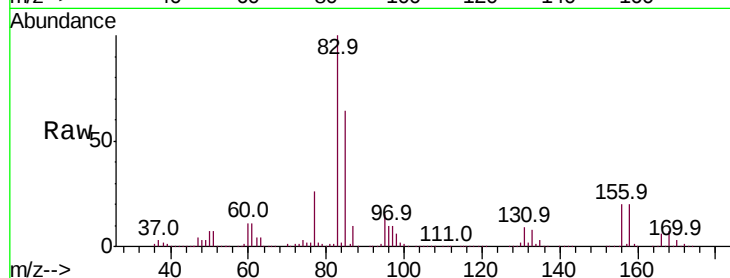
83 100

131 9.1 4.5 13.7

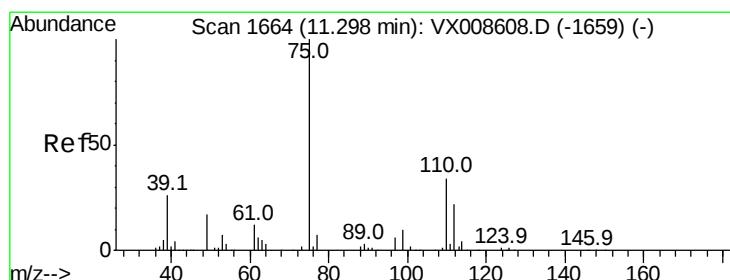
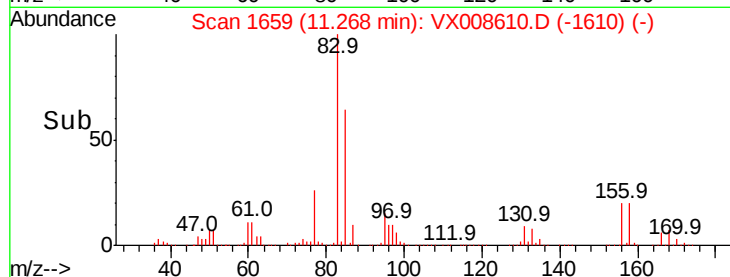
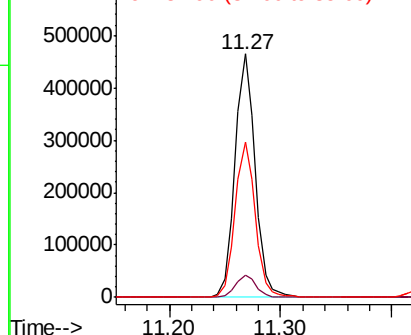
85 64.2 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 116.089 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX008610.D

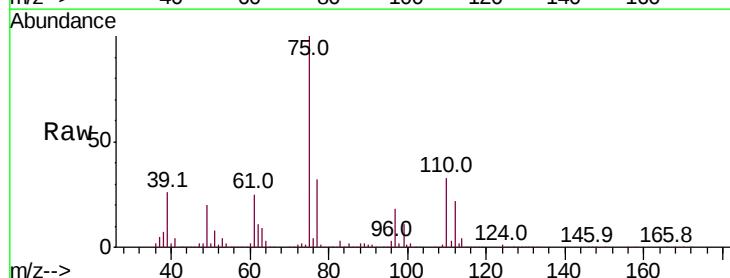
Acq: 03 Apr 2019 11:29

Tgt Ion: 75 Resp: 478131

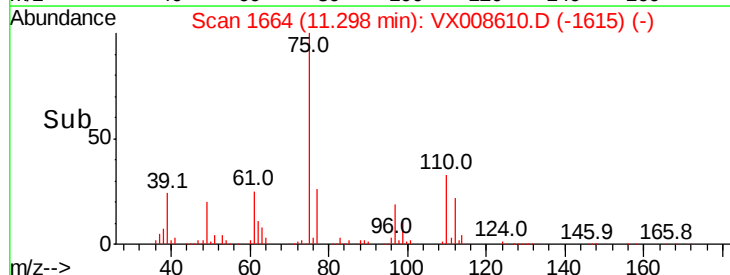
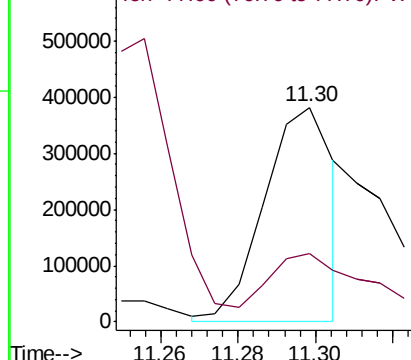
Ion Ratio Lower Upper

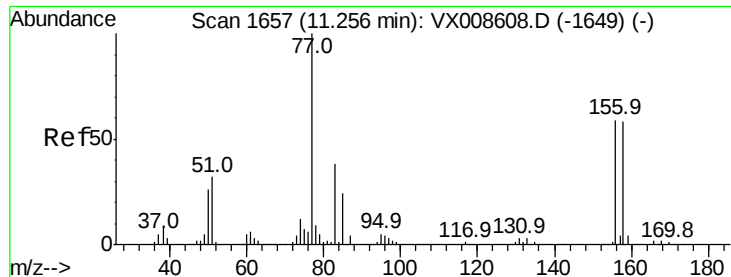
75 100

77 45.8 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 136.485 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

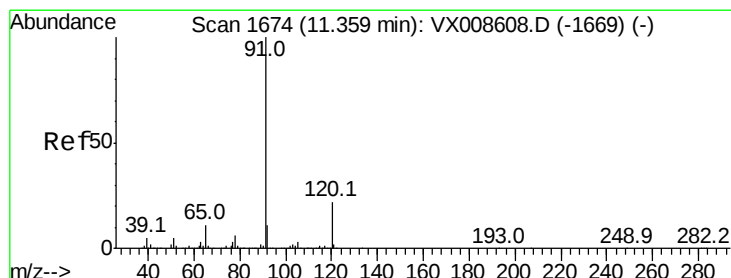
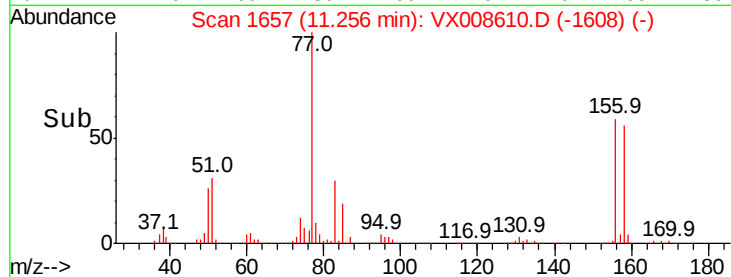
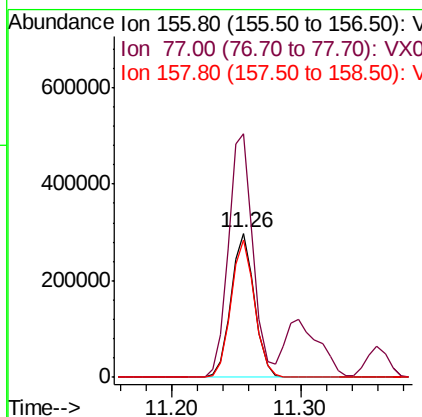
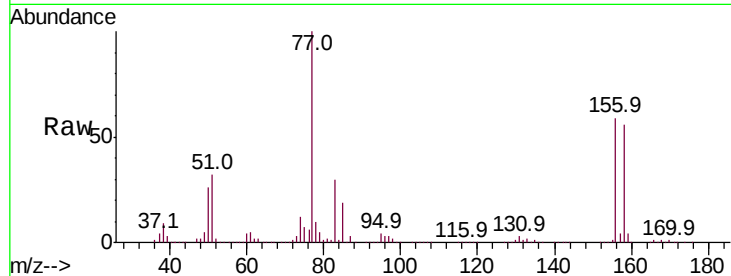
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 378827 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 178.6 | 89.8  | 269.6  |
| 158       | 96.1  | 48.6  | 145.9  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 138.513 ug/l

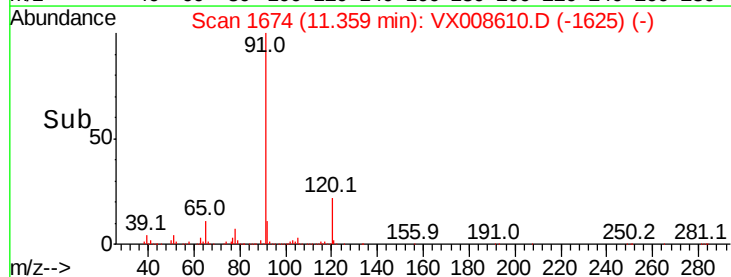
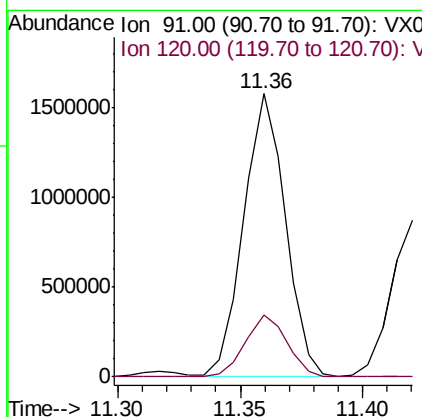
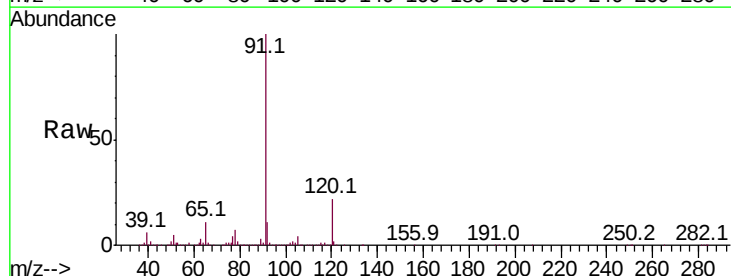
RT: 11.36 min Scan# 1674

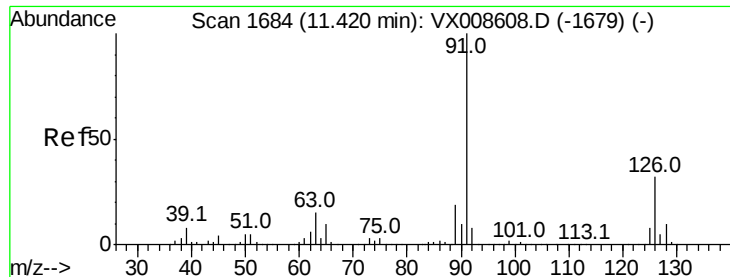
Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1862094 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.0  | 10.9  | 32.7    |





#79

2-Chlorotoluene

Concen: 133.205 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1083673

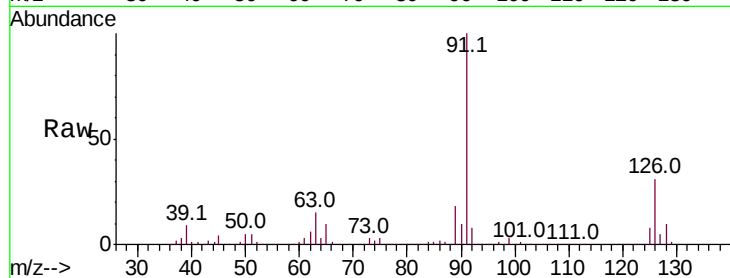
Ion Ratio Lower Upper

91 100

126 31.9 16.1 48.3

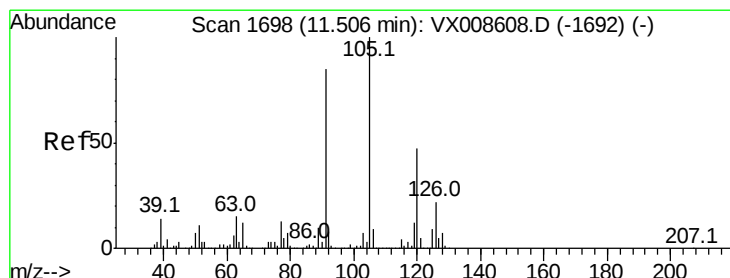
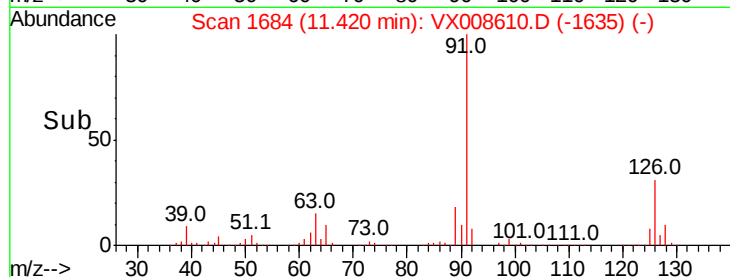
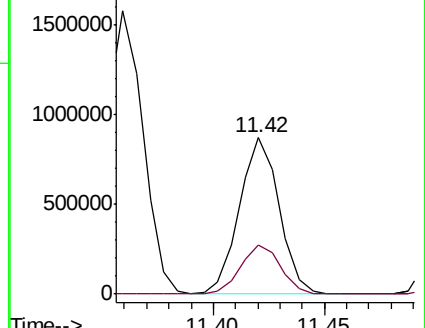
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 139.033 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008610.D

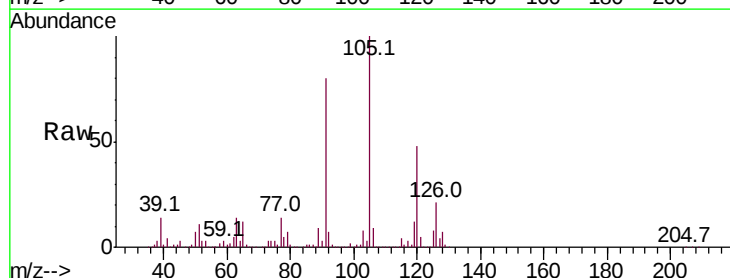
Acq: 03 Apr 2019 11:29

Tgt Ion: 105 Resp: 1347454

Ion Ratio Lower Upper

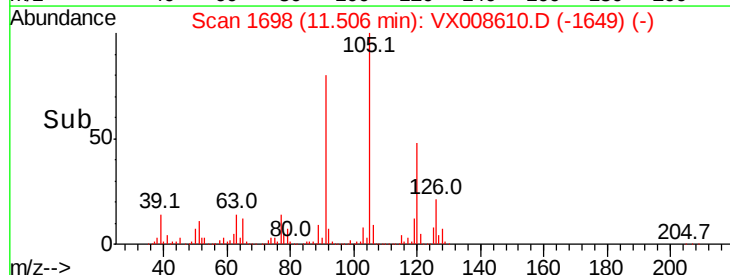
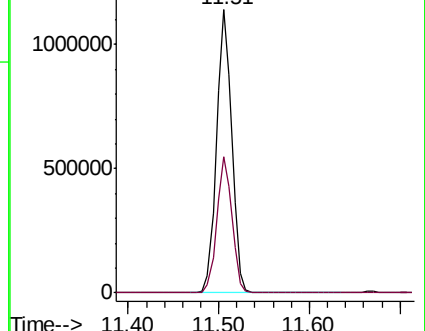
105 100

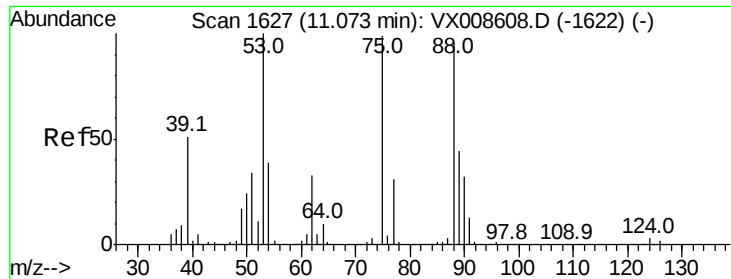
120 48.0 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)





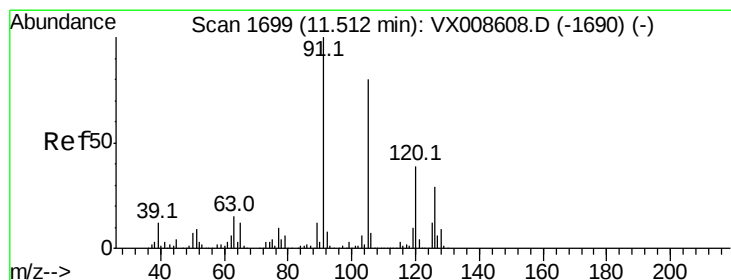
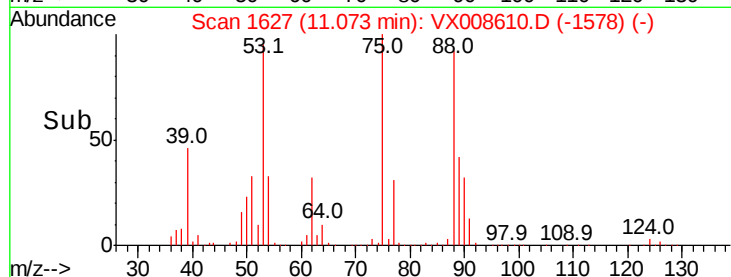
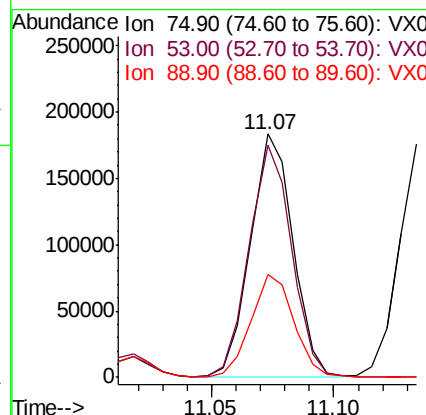
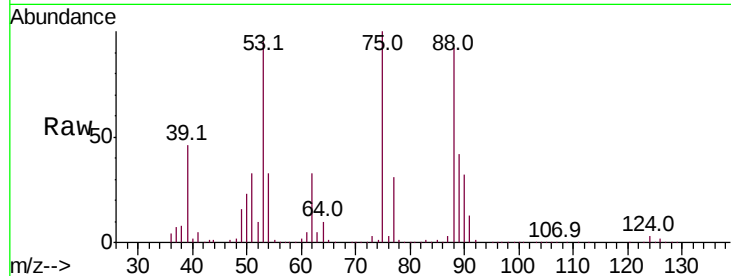
#81  
trans-1,4-Dichloro-2-butene  
Concen: 159.562 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 95.6  | 81.3  | 121.9 |
| 89      | 42.9  | 35.6  | 53.4  |

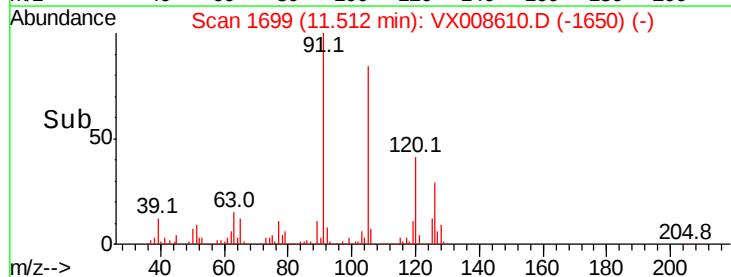
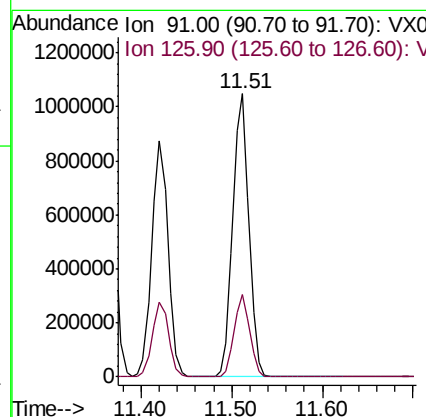
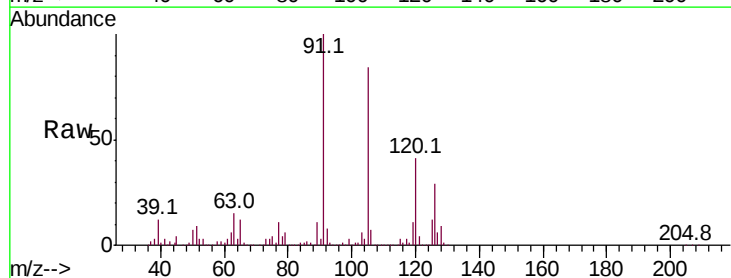
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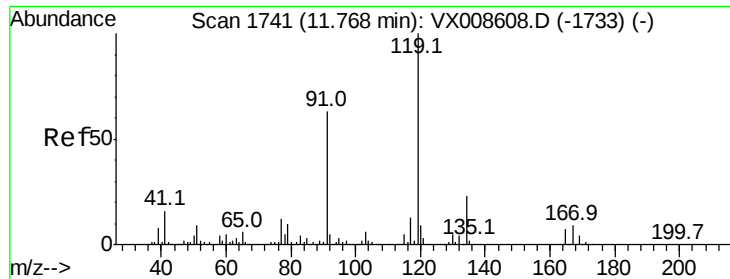
MMDadoda  
4/4/2019 3:38:36 PM



#82  
4-Chlorotoluene  
Concen: 137.499 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.3  | 13.9  | 41.6  |





#83

tert-Butylbenzene

Concen: 141.525 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1319595

Ion Ratio Lower Upper

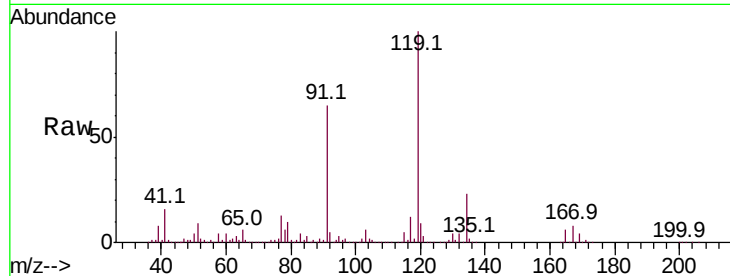
119 100

91 58.0 30.0 90.1

134 21.6 11.1 33.3

Manual Integrations  
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MMDadoda  
4/4/2019 3:38:36 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

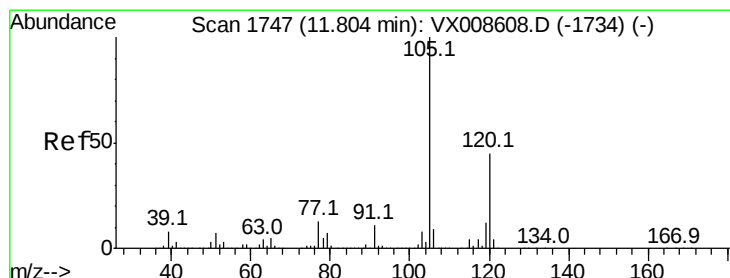
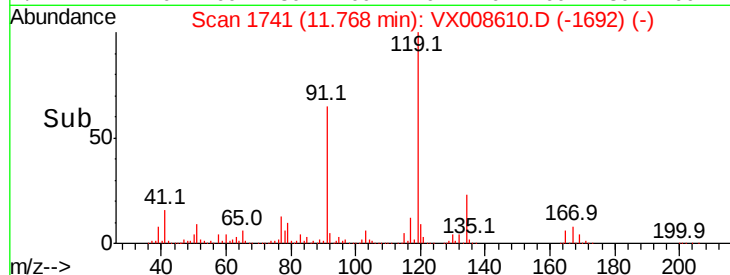
400000

200000

0

11.70 11.75 11.80

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 137.713 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008610.D

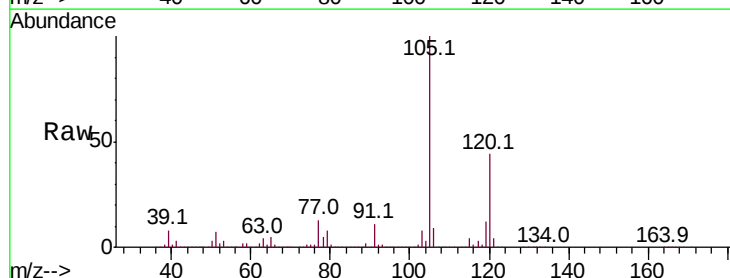
Acq: 03 Apr 2019 11:29

Tgt Ion:105 Resp: 1351437

Ion Ratio Lower Upper

105 100

120 44.2 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

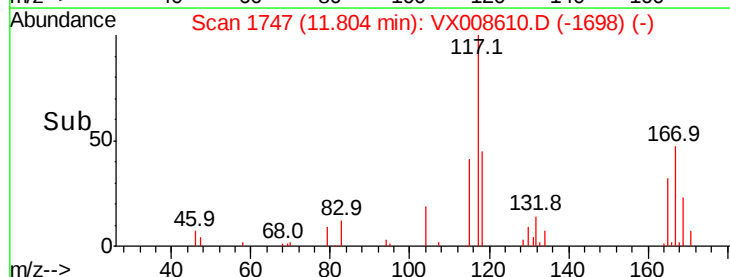
1000000

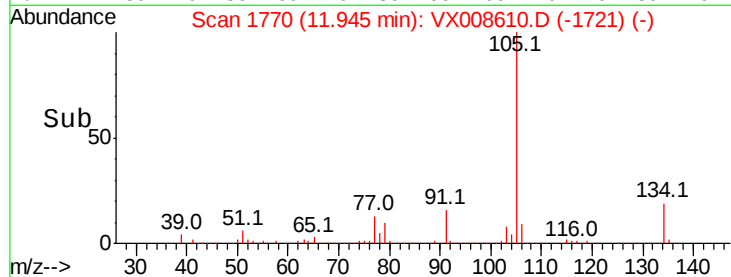
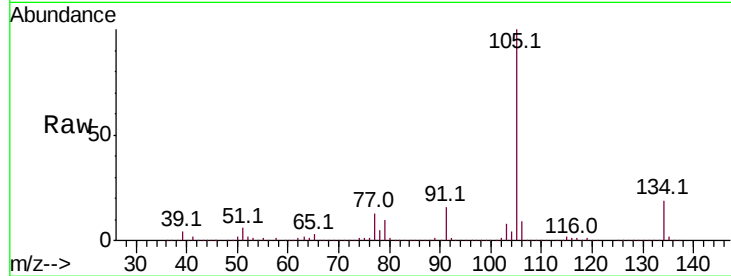
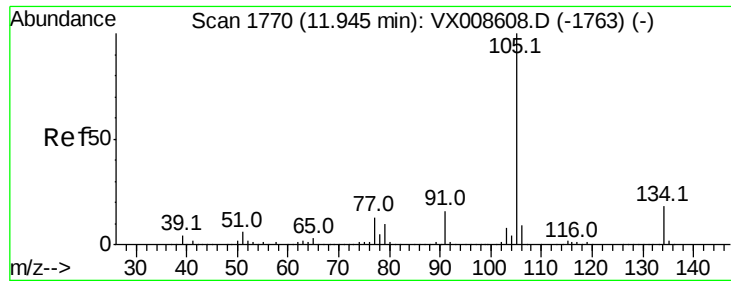
500000

0

11.70 11.80 11.90

Time-->





#85

sec-Butylbenzene

Concen: 140.436 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Tot Ion:105 Resp: 1555374

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2

Instrument :

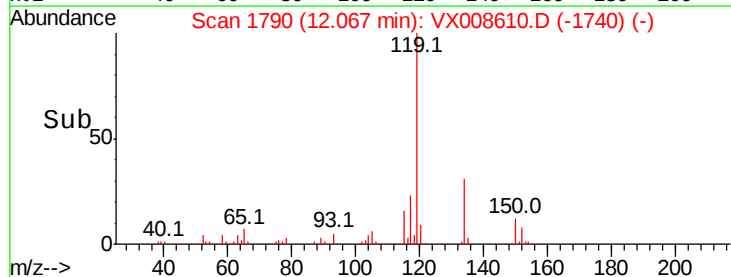
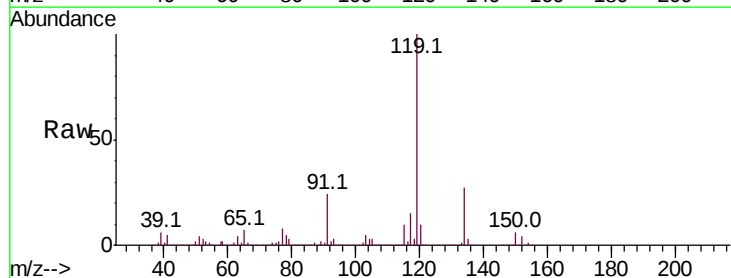
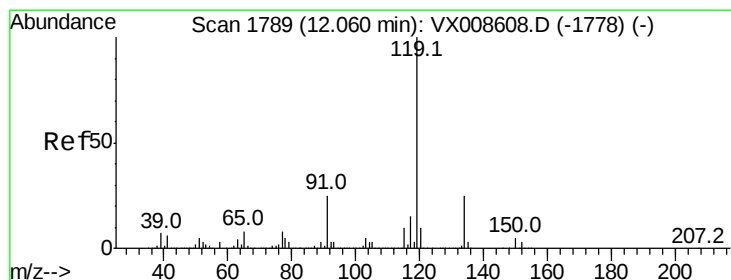
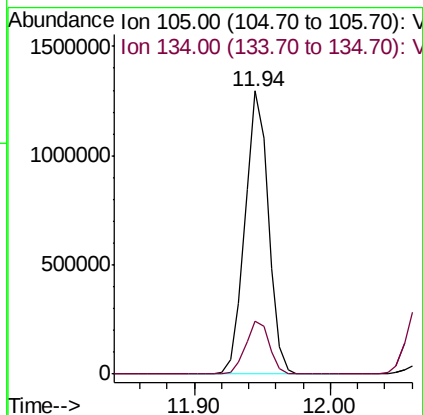
MSVOA\_X

ClientSampled :

VSTDIC150

Manual Integrations  
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MMDadoda  
4/4/2019 3:38:36 PM



#86

p-Isopropyltoluene

Concen: 141.968 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

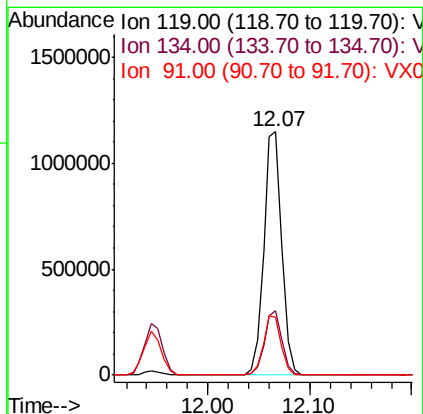
Tgt Ion:119 Resp: 1411252

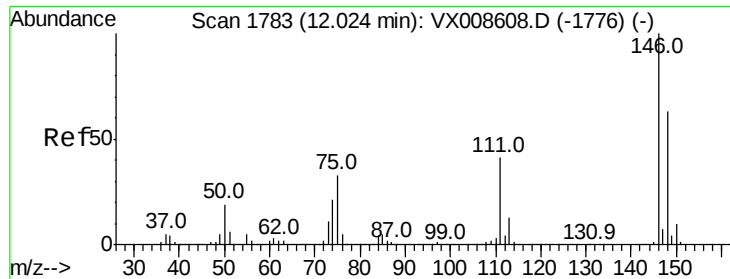
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.1 12.2 36.6





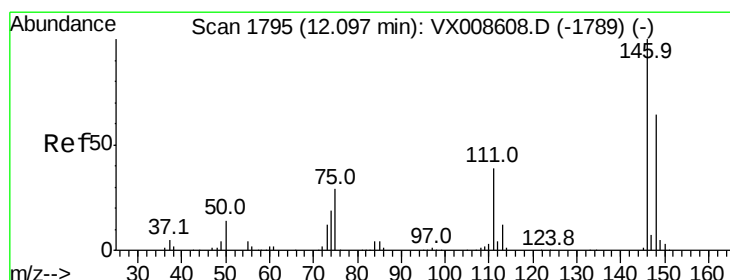
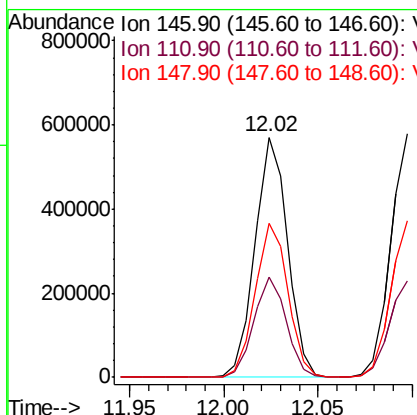
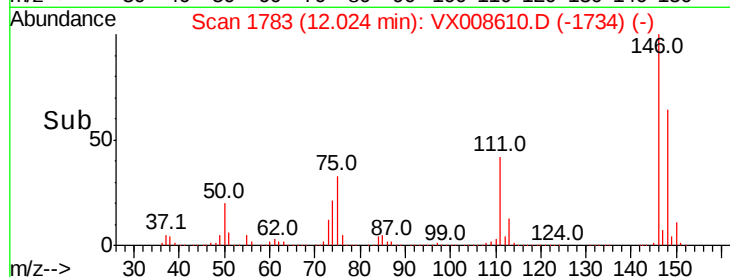
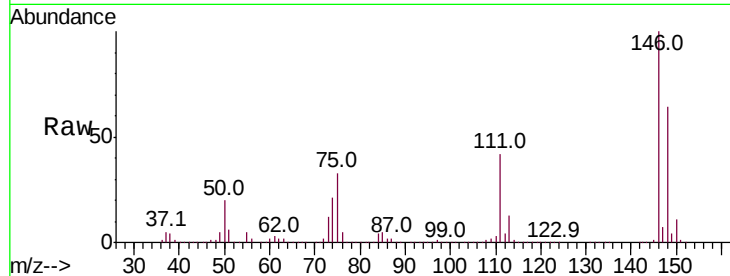
#87  
 1,3-Dichlorobenzene  
 Concen: 137.663 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.5  | 61.5  |
| 148     | 64.3  | 31.6  | 94.7  |

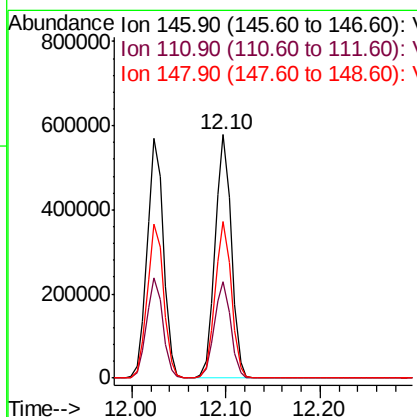
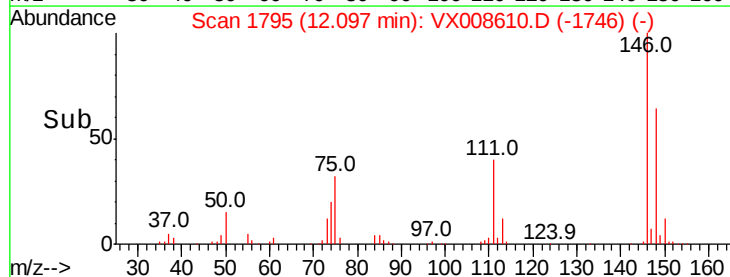
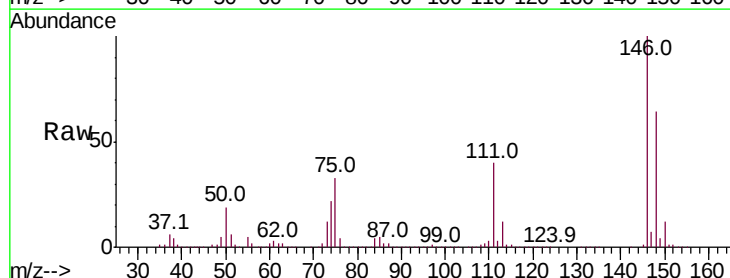
Manual Integrations  
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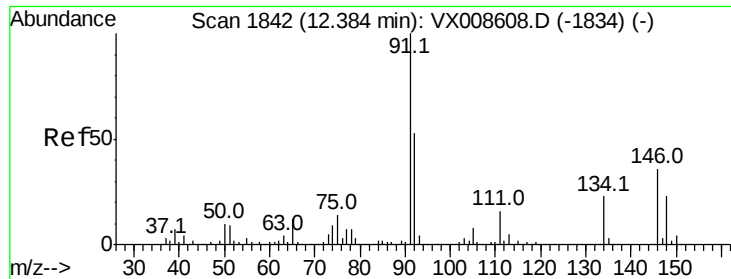
MMDadoda  
 4/4/2019 3:38:36 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 137.678 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 20.2  | 60.6  |
| 148     | 63.9  | 32.0  | 96.0  |





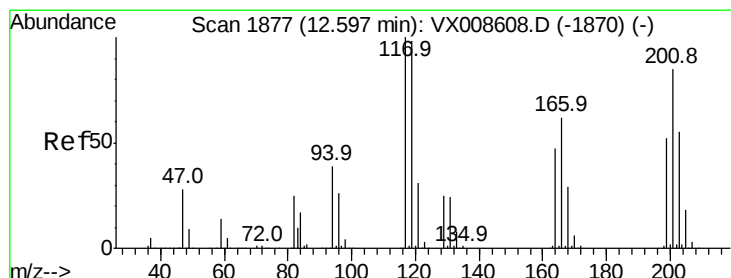
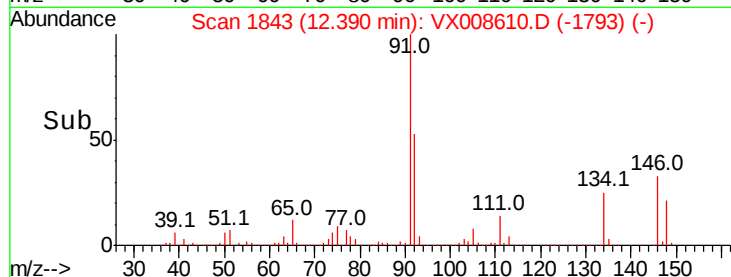
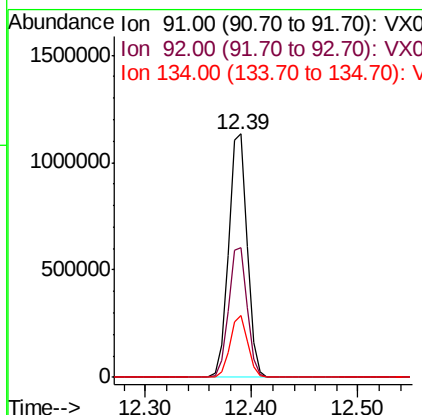
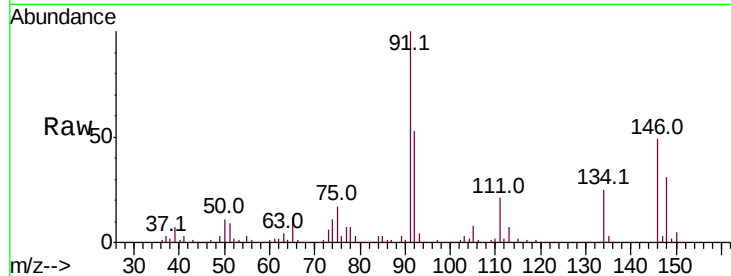
#89  
n-Butylbenzene  
Concen: 148.199 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.01 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 1381583  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.4 79.2  
134 24.5 12.0 36.0

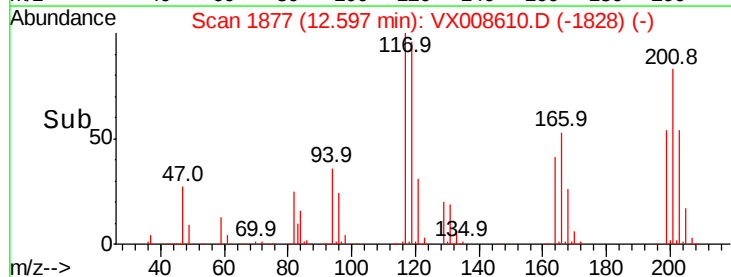
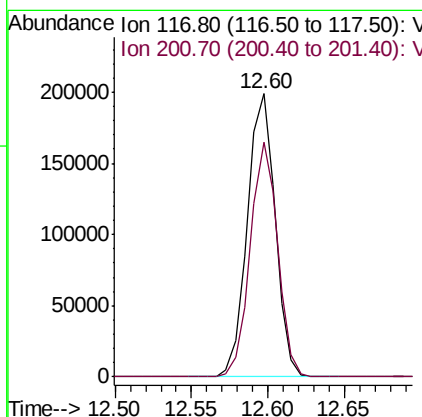
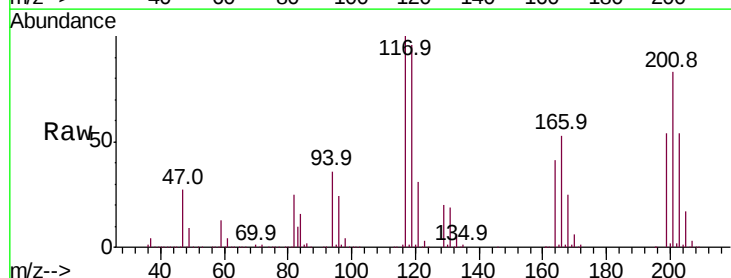
Manual Integrations  
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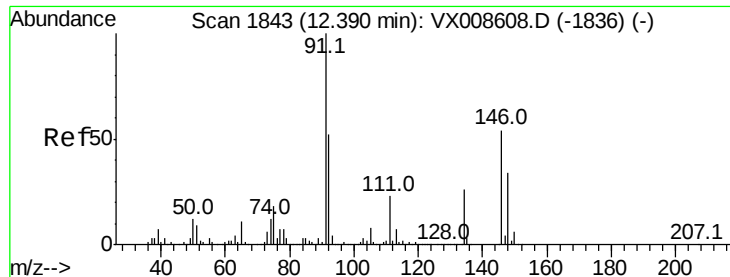
MMDadoda  
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#90  
Hexachloroethane  
Concen: 152.387 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX008610.D  
Acq: 03 Apr 2019 11:29

Tgt Ion: 117 Resp: 251248  
Ion Ratio Lower Upper  
117 100  
201 81.6 40.6 122.0





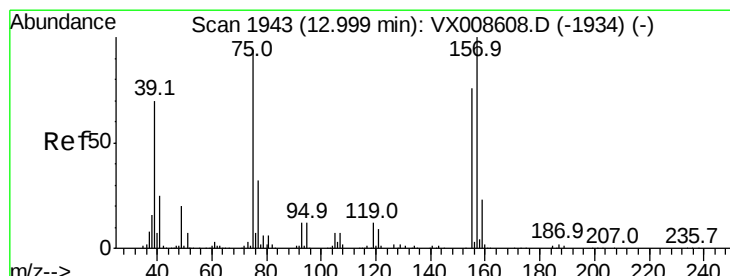
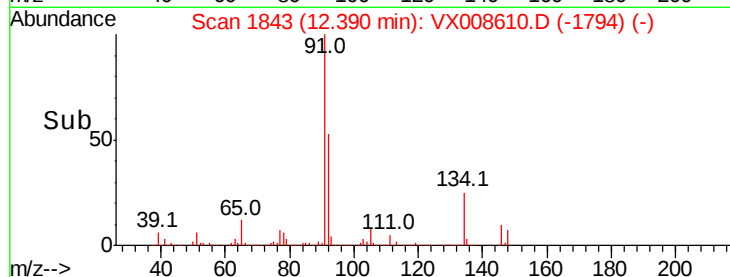
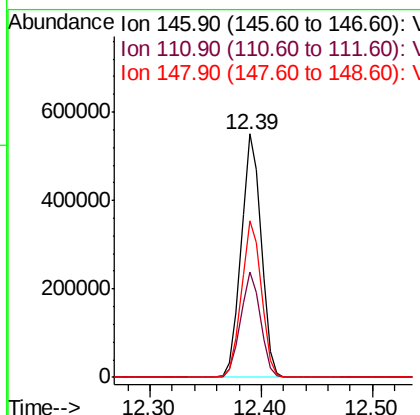
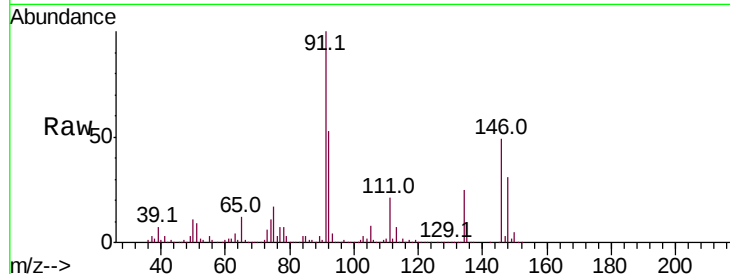
#91  
 1,2-Dichlorobenzene  
 Concen: 138.164 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 681639 |       |       |
| 111     | 42.7  | 21.3   | 63.9  |       |
| 148     | 64.2  | 31.7   | 95.1  |       |

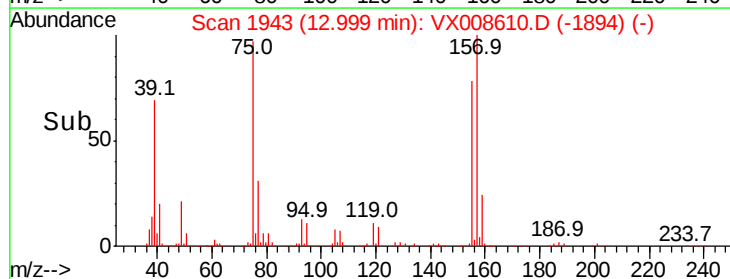
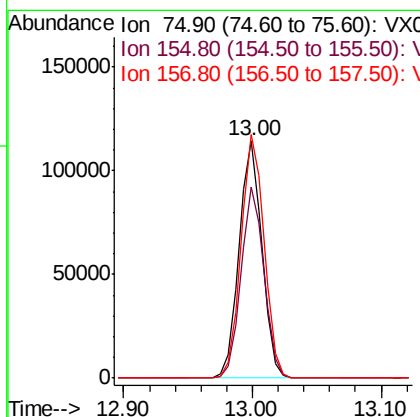
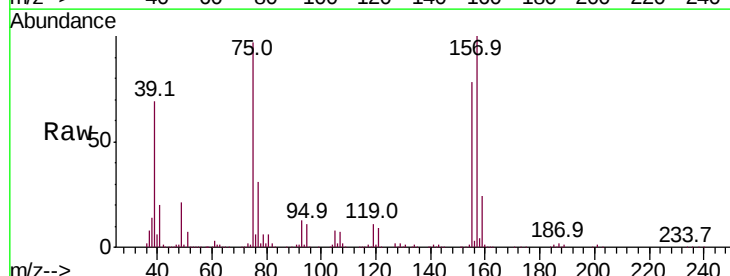
Manual Integrations  
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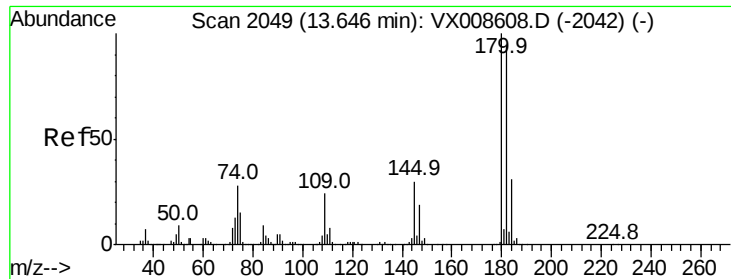
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 144.999 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 140060 |       |       |
| 155     | 80.2  | 39.9   | 119.6 |       |
| 157     | 103.1 | 51.5   | 154.7 |       |





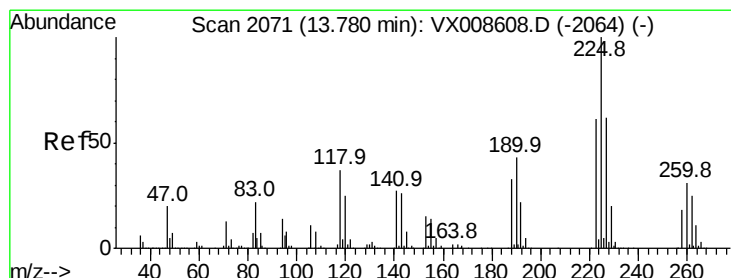
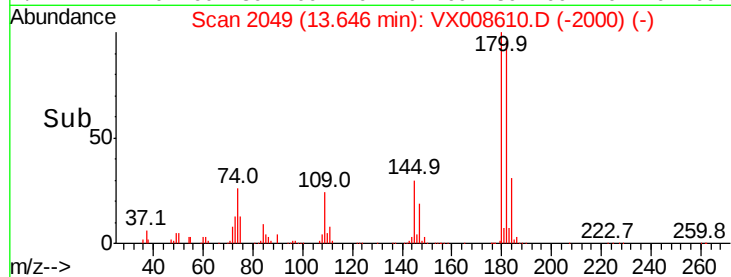
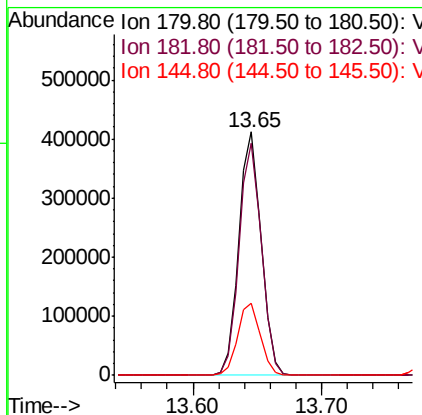
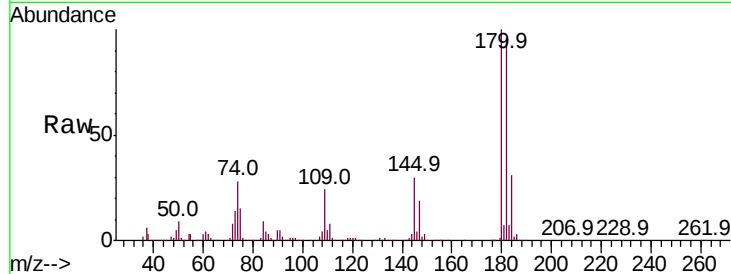
#93  
 1,2,4-Trichlorobenzene  
 Concen: 144.646 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.3  | 47.2 | 141.6 |       |
| 145     | 30.2  | 15.3 | 45.9  |       |

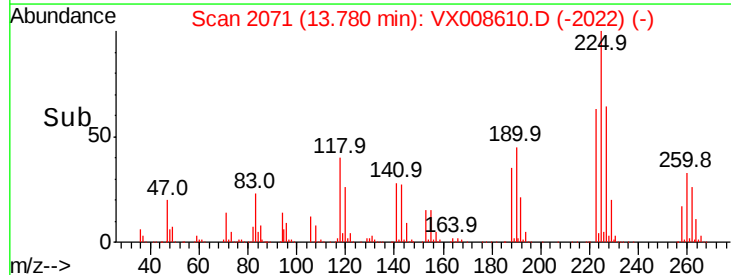
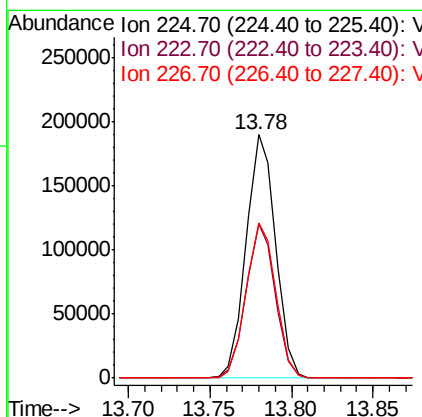
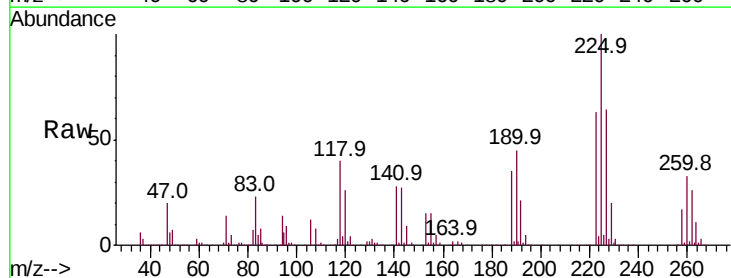
Manual Integrations  
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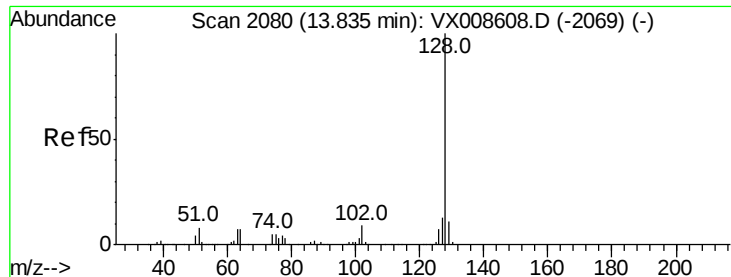
MMDadoda  
 4/4/2019 3:38:36 PM



#94  
 Hexachlorobutadiene  
 Concen: 145.838 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX008610.D  
 Acq: 03 Apr 2019 11:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.3  | 31.2 | 93.6  |       |
| 227     | 63.7  | 31.9 | 95.5  |       |





#95

Naphthalene

Concen: 143.585 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1646148

Ion Ratio Lower Upper

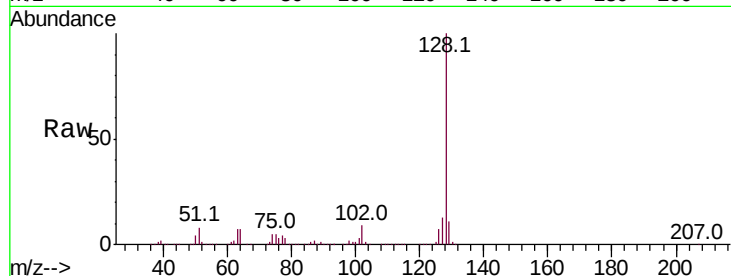
128 100

127 13.1 10.4 15.6

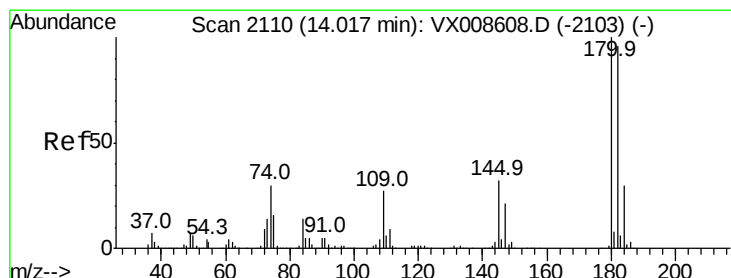
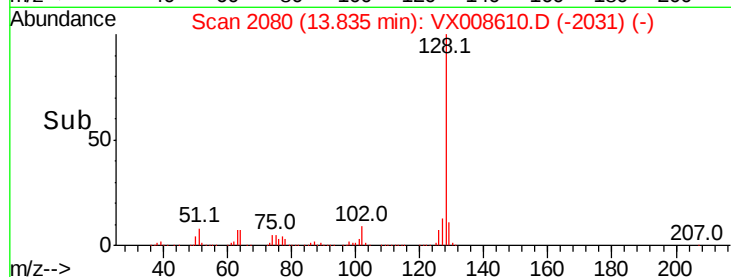
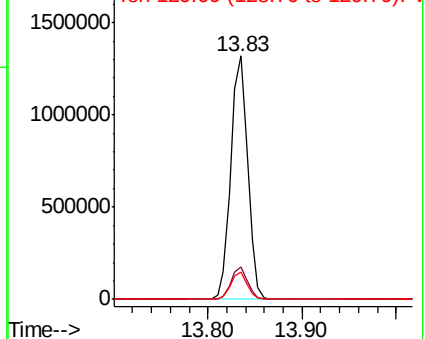
129 10.9 8.6 13.0

Manual Integrations  
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 142.870 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008610.D

Acq: 03 Apr 2019 11:29

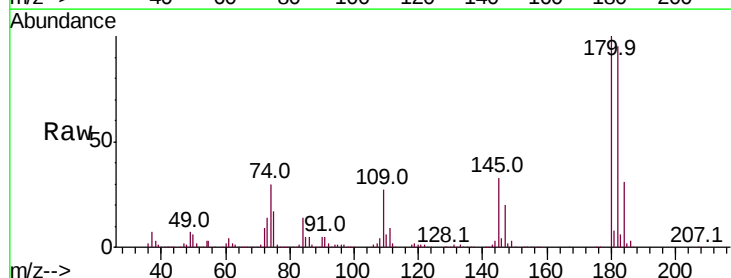
Tgt Ion:180 Resp: 489654

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.3

145 31.9 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

