

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100819\  
 Data File : VX012901.D  
 Acq On : 08 Oct 2019 19:47  
 Operator : JC/SP  
 Sample : K5122-07MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

Manual Integrations  
 APPROVED

MMDadoda  
 10/9/2019 10:36:20 AM

Quant Time: Oct 09 03:28:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 01:51:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 176788   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 302862   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 273100   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 124749   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 116511   | 52.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 105.46% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 91247    | 52.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 104.98% |          |
| 50) Toluene-d8              | 8.71  | 98   | 350760   | 51.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.48% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 133588   | 50.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.42% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 92182    | 51.154  | ug/l  | 99     |
| 3) Chloromethane              | 1.32 | 50   | 98334    | 50.140  | ug/l  | 97     |
| 4) Vinyl Chloride             | 1.40 | 62   | 101755   | 50.268  | ug/l  | 100    |
| 5) Bromomethane               | 1.63 | 94   | 38638    | 45.918  | ug/l  | 98     |
| 6) Chloroethane               | 1.71 | 64   | 62205    | 50.306  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 141116   | 51.651  | ug/l  | 99     |
| 8) Diethyl Ether              | 2.18 | 74   | 57354    | 52.008  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 88172    | 49.865  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.50 | 142  | 93096    | 46.832  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59   | 132746   | 226.625 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 91540    | 51.239  | ug/l  | 95     |
| 13) Acrolein                  | 2.28 | 56   | 98864    | 237.501 | ug/l  | 99     |
| 14) Allyl chloride            | 2.72 | 41   | 166442   | 52.315  | ug/l  | 98     |
| 15) Acrylonitrile             | 3.13 | 53   | 293403   | 264.317 | ug/l  | 99     |
| 16) Acetone                   | 2.43 | 43   | 248172   | 213.080 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 255924   | 50.239  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.76 | 43   | 133991   | 48.536  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.19 | 73   | 329070   | 53.338  | ug/l  | 99     |
| 20) Methylene Chloride        | 2.84 | 84   | 106502   | 49.756  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 98654    | 51.521  | ug/l  | 99     |
| 22) Diisopropyl ether         | 3.84 | 45   | 323218   | 53.017  | ug/l  | 93     |
| 23) Vinyl Acetate             | 3.80 | 43   | 1377380  | 261.714 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 180988   | 52.770  | ug/l  | 99     |
| 25) 2-Butanone                | 4.66 | 43   | 399479   | 247.225 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 135251   | 46.896  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96   | 114307   | 51.788  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.01 | 49   | 55660    | 54.342  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 5.12 | 42   | 262050   | 263.542 | ug/l  | 100    |
| 30) Chloroform                | 5.20 | 83   | 181148   | 51.474  | ug/l  | 99     |
| 31) Cyclohexane               | 5.57 | 56   | 160949   | 50.186  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 159621   | 53.531  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 135786   | 50.994  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.82 | 43   | 150745   | 50.628  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 135975   | 52.464  | ug/l  | 95     |

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 Sample : K5122-07MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

Manual Integrations  
 APPROVED

MMDadoda  
 10/9/2019 10:36:20 AM

Quant Time: Oct 09 03:28:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 01:51:23 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 165862   | 51.363  | ug/l  | 98       |
| 40) Benzene                    | 6.14  | 78   | 415416   | 52.821  | ug/l  | 98       |
| 41) Methacrylonitrile          | 5.03  | 41   | 88681    | 54.203  | ug/l  | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 146877   | 52.047  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 248702   | 52.041  | ug/l  | 100      |
| 44) Trichloroethene            | 7.20  | 130  | 107069   | 49.095  | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 105514   | 52.641  | ug/l  | 96       |
| 46) Dibromomethane             | 7.65  | 93   | 70864    | 53.064  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.89  | 83   | 139578   | 53.557  | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 123157   | 52.883  | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.73  | 88   | 55624    | 893.899 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 782710   | 262.691 | ug/l  | 100      |
| 52) Toluene                    | 8.78  | 92   | 263787   | 52.428  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 153364   | 47.278  | ug/l  | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 169773   | 52.965  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 103521   | 51.991  | ug/l  | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 175526   | 49.257  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 179832   | 52.211  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 603366   | 260.137 | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 106495   | 48.134  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 109419   | 52.239  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 88696    | 46.825  | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 274433   | 50.602  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 100473   | 53.432  | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 501687   | 52.078  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 376374   | 104.581 | ug/l  | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 183042   | 52.156  | ug/l  | 99       |
| 70) Stvrene                    | 10.71 | 104  | 315030   | 52.802  | ug/l  | 99       |
| 71) Bromoform                  | 10.85 | 173  | 74474    | 46.711  | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 486066   | 52.996  | ug/l  | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 211730   | 53.601  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 162278   | 53.196  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 153506m  | 55.479  | ug/l  |          |
| 77) Bromobenzene               | 11.25 | 156  | 110745   | 51.240  | ug/l  | 96       |
| 78) n-propylbenzene            | 11.35 | 91   | 543002   | 53.803  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 335484   | 52.893  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 410885   | 53.651  | ug/l  | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 48112    | 45.145  | ug/l  | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 383987   | 52.818  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 402168   | 53.832  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 414511   | 53.442  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 458012   | 52.918  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 417474   | 52.007  | ug/l  | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 202853   | 50.542  | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 204572   | 50.328  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 349605   | 51.820  | ug/l  | 98       |
| 90) Hexachloroethane           | 12.59 | 117  | 72017    | 48.506  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 204536   | 51.982  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 38495    | 53.839  | ug/l  | 99       |
| 93) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 126036   | 51.134  | ug/l  | 98       |

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Sample : K5122-07MSD  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

Manual Integrations  
APPROVED

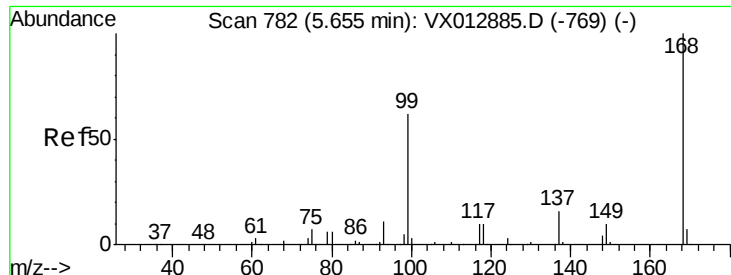
MMDadoda  
10/9/2019 10:36:20 AM

Quant Time: Oct 09 03:28:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 09 01:51:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 57136    | 50.229 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 446919   | 52.306 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 129113   | 50.690 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion:168 Resp: 176788

Ion Ratio Lower Upper

168 100

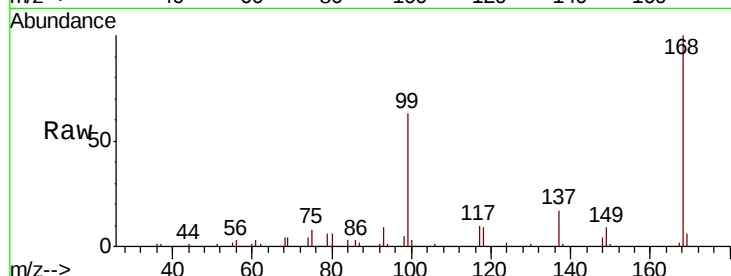
99 62.9 49.4 74.0

Manual Integrations

APPROVED

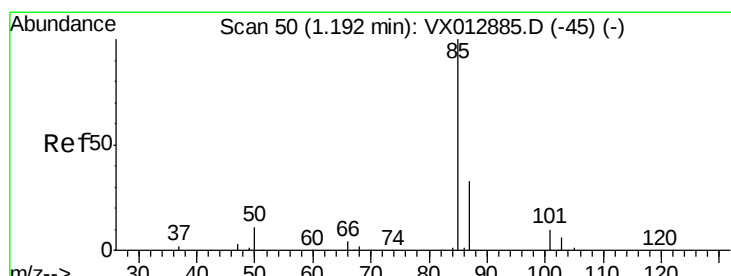
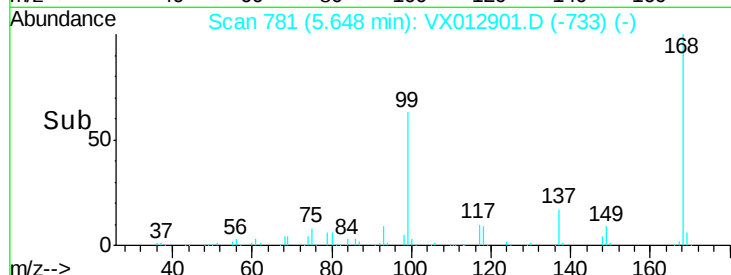
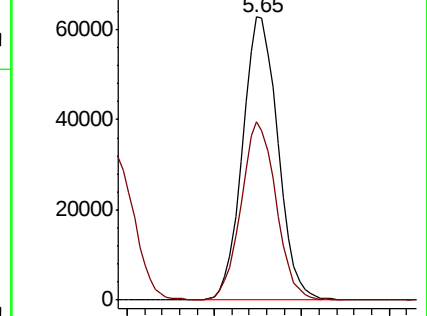
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10/9/2019 10:36:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.154 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012901.D

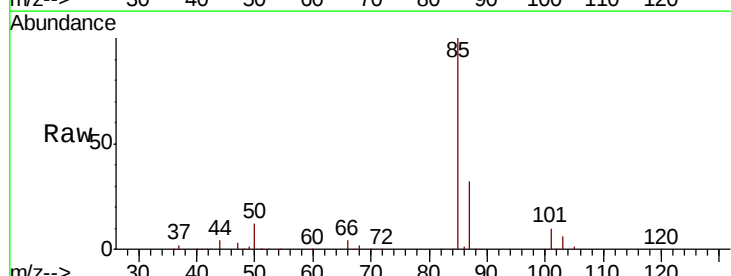
Acq: 08 Oct 2019 19:47

Tgt Ion: 85 Resp: 92182

Ion Ratio Lower Upper

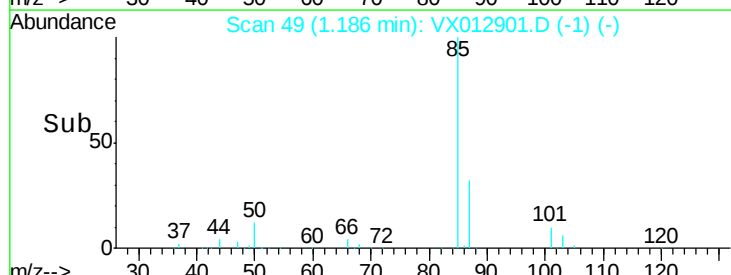
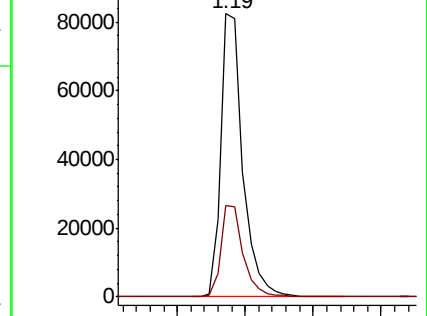
85 100

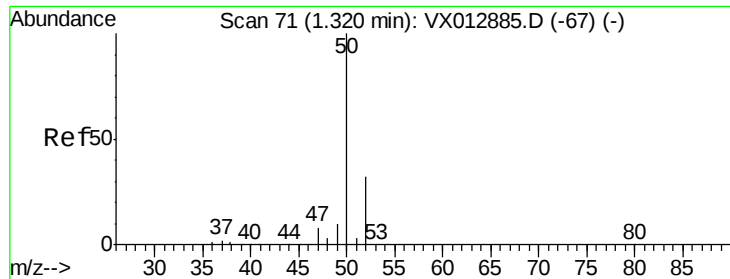
87 32.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.140 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 50 Resp: 98334

Ion Ratio Lower Upper

50 100

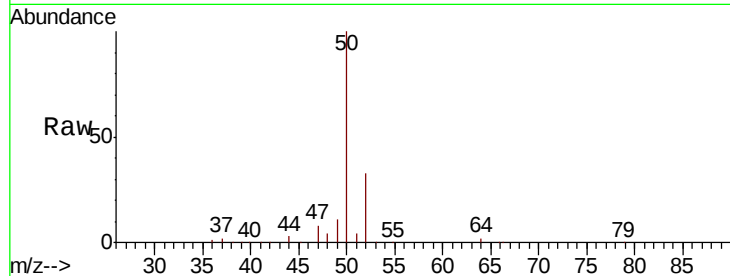
52 33.3 25.2 37.8

Manual Integrations

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10/9/2019 10:36:20 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

60000

40000

20000

0

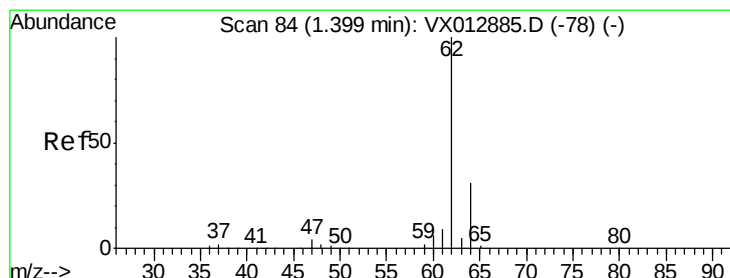
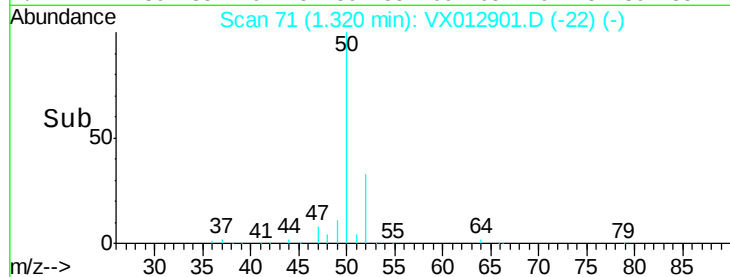
1.25

1.30

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 50.268 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012901.D

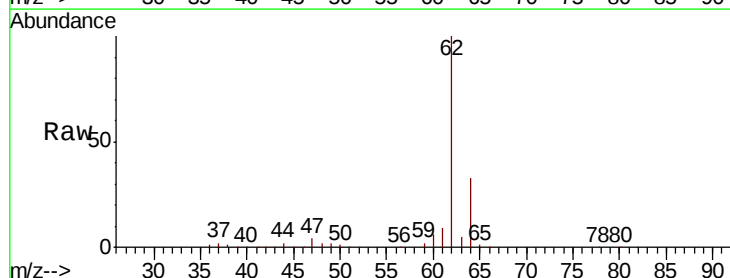
Acq: 08 Oct 2019 19:47

Tgt Ion: 62 Resp: 101755

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

120000

100000

80000

60000

40000

20000

0

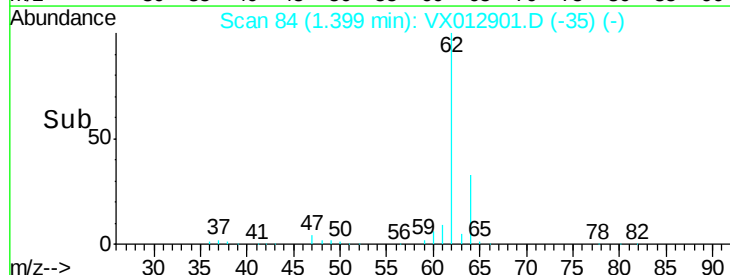
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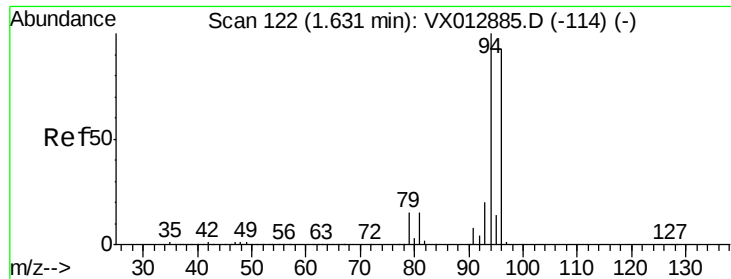
1.40

1.45

1.50

Time-->





#5

Bromomethane

Concen: 45.918 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 94 Resp: 38638

Ion Ratio Lower Upper

94 100

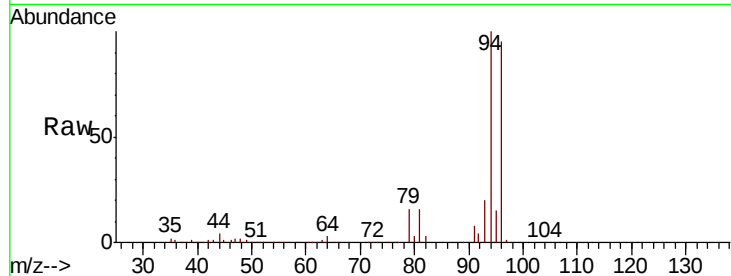
96 95.5 74.7 112.1

Manual Integrations

APPROVED

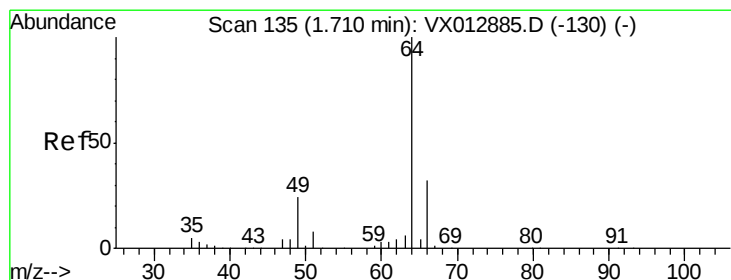
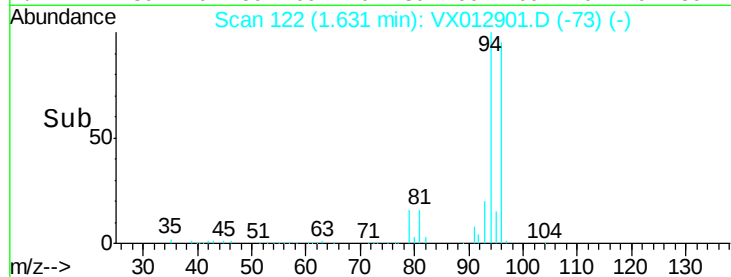
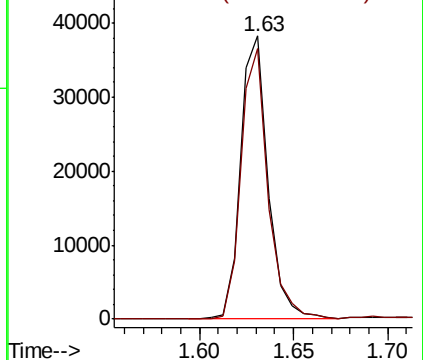
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10/9/2019 10:36:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.306 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012901.D

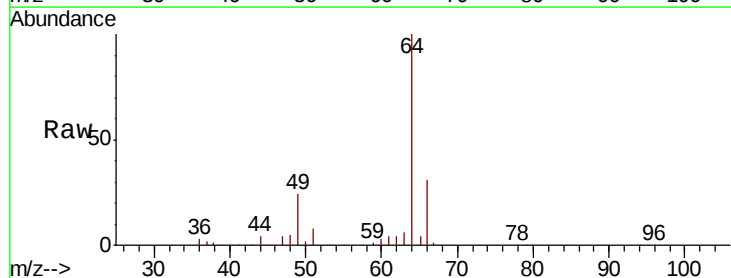
Acq: 08 Oct 2019 19:47

Tgt Ion: 64 Resp: 62205

Ion Ratio Lower Upper

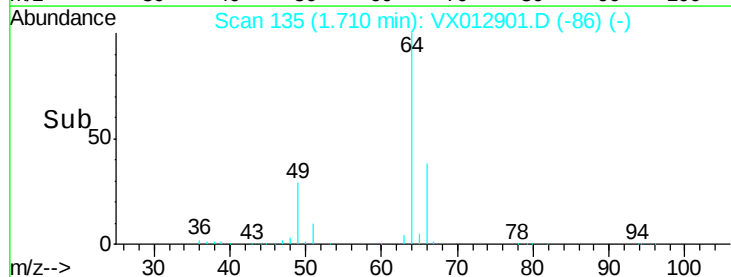
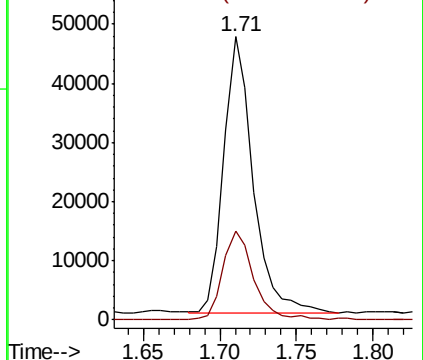
64 100

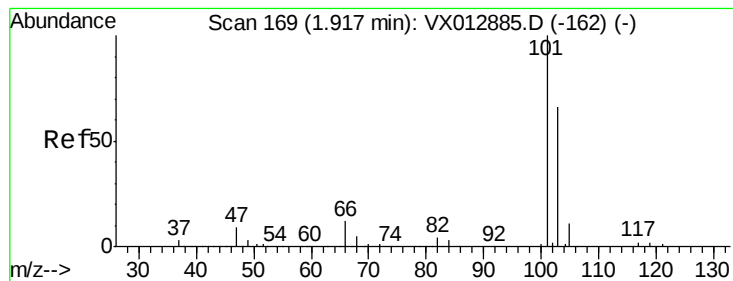
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





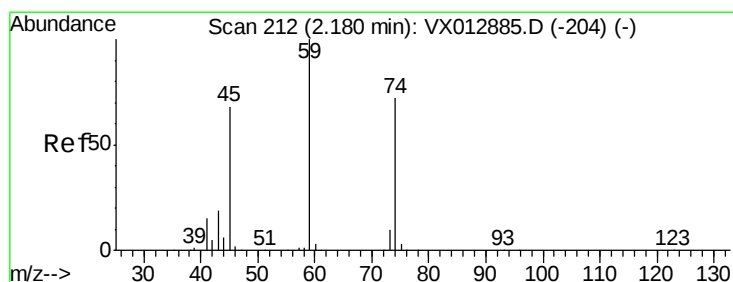
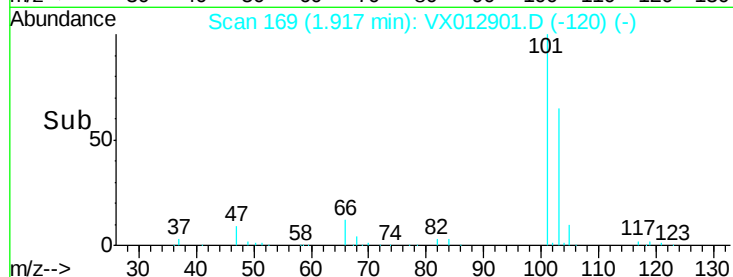
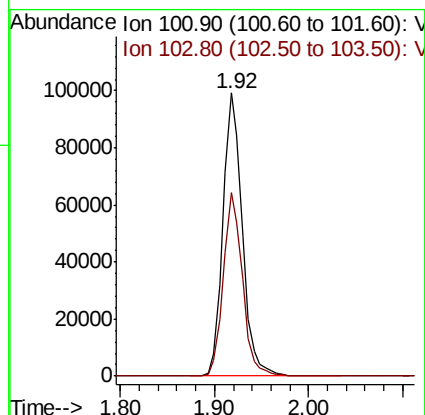
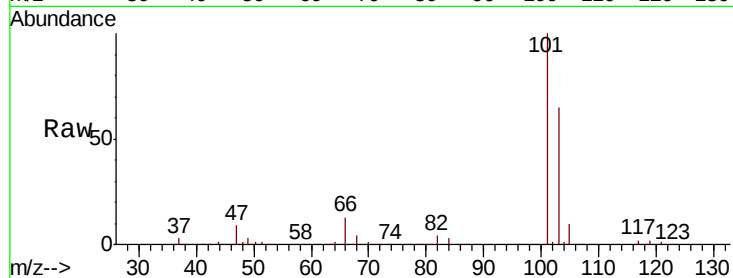
#7  
 Trichlorofluoromethane  
 Concen: 51.651 ug/l  
 RT: 1.92 min Scan# 169  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

Tot Ion:101 Resp: 141116  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 52.5 78.7

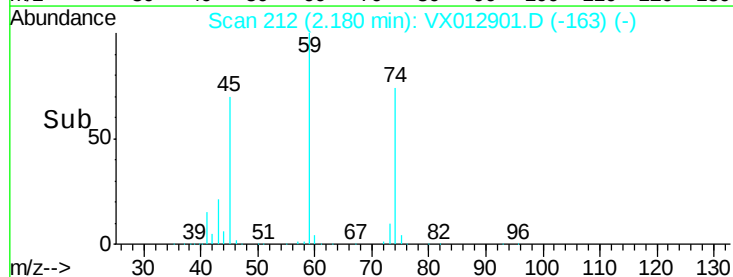
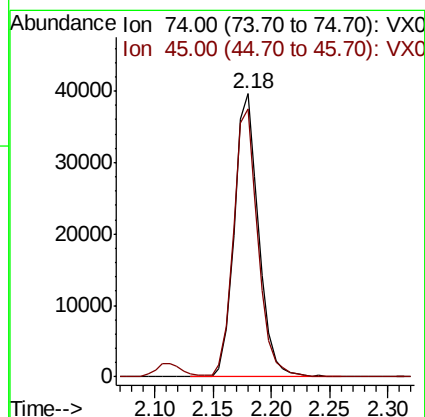
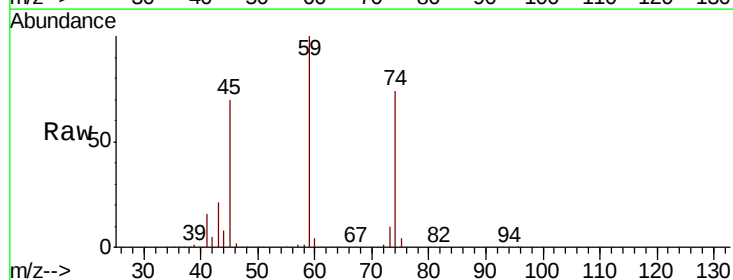
Manual Integrations  
 APPROVED

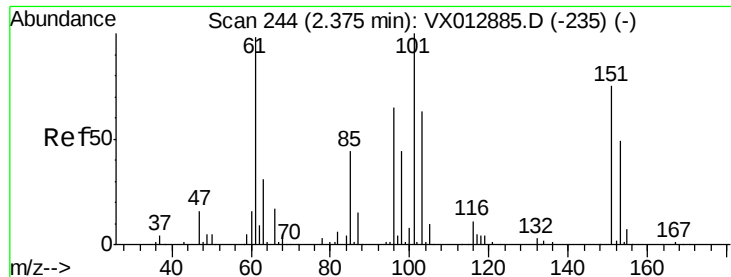
MMDadoda  
 10/9/2019 10:36:20 AM



#8  
 Diethyl Ether  
 Concen: 52.008 ug/l  
 RT: 2.18 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Tgt Ion: 74 Resp: 57354  
 Ion Ratio Lower Upper  
 74 100  
 45 96.3 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.865 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

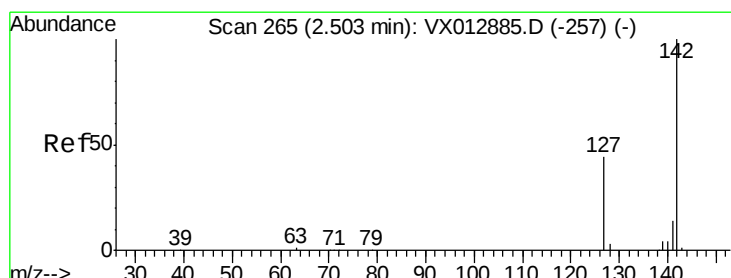
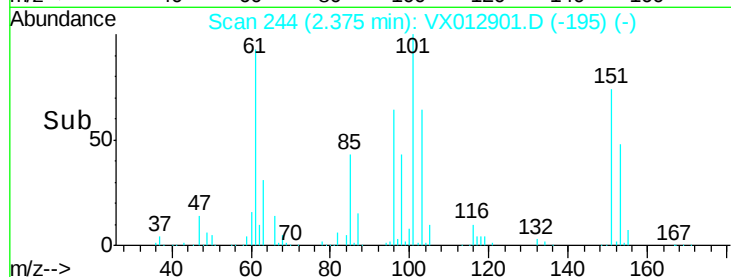
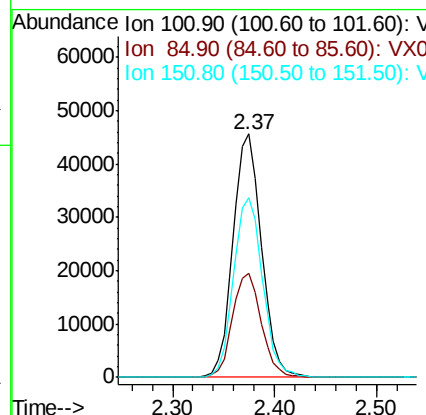
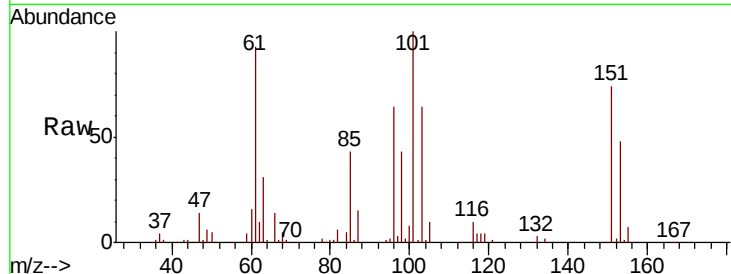
ClientSampleId :

FA19-MMW3414MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 88172 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.1  | 35.2  | 52.8  |
| 151       | 75.1  | 60.3  | 90.5  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 46.832 ug/l

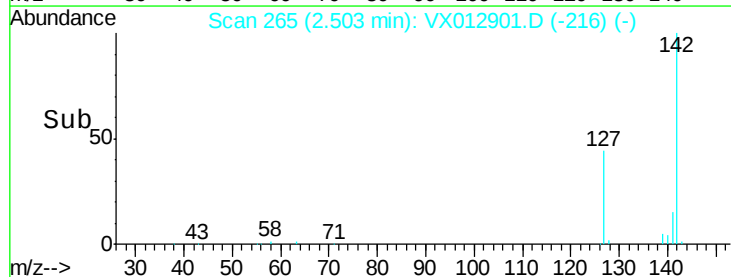
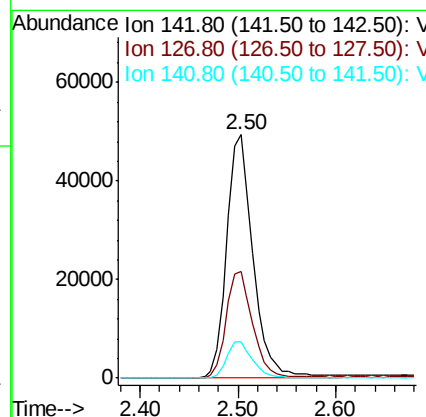
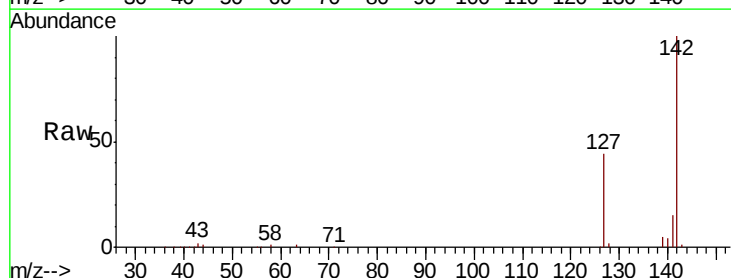
RT: 2.50 min Scan# 265

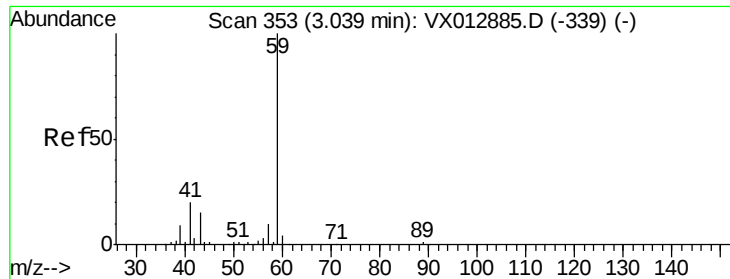
Delta R.T. 0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 93096 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.9  | 34.9  | 52.3  |
| 141       | 14.6  | 11.6  | 17.4  |





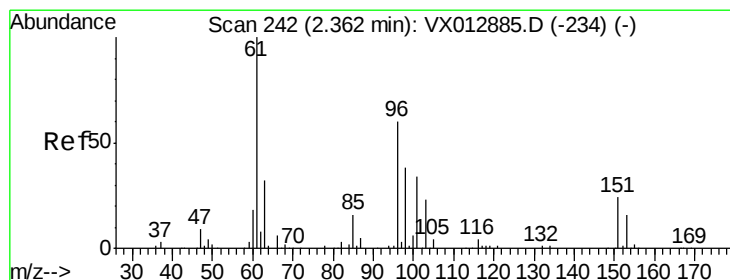
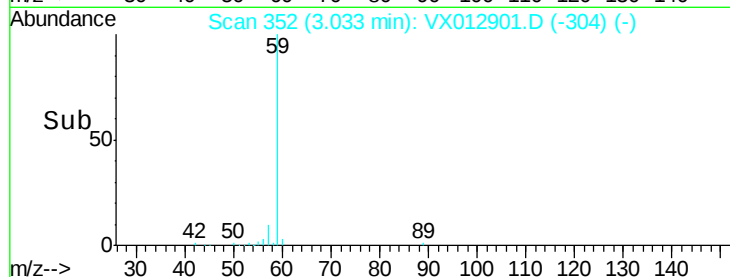
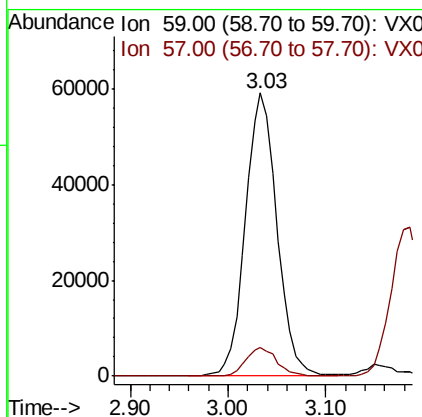
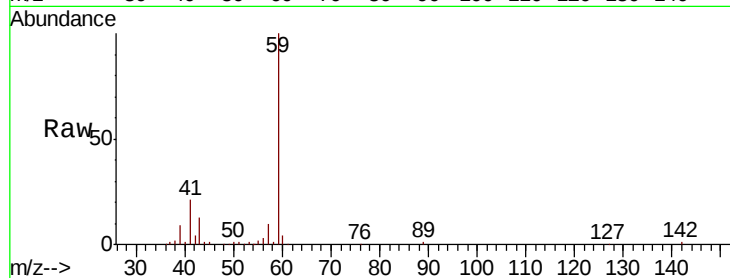
#11  
Tert butyl alcohol  
Concen: 226.625 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion   | 59   | Resp  | 132746 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.0 | 8.3   | 12.5   |

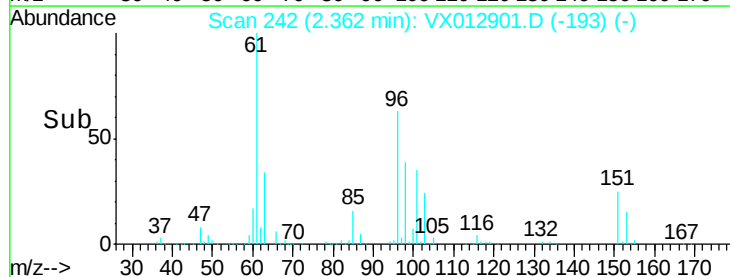
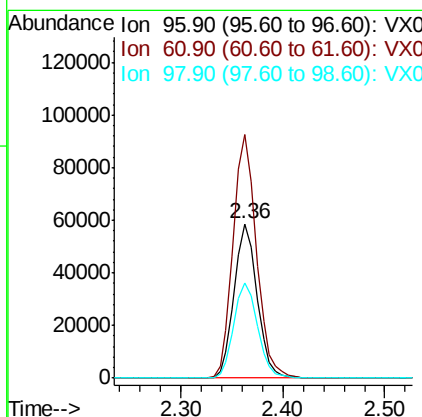
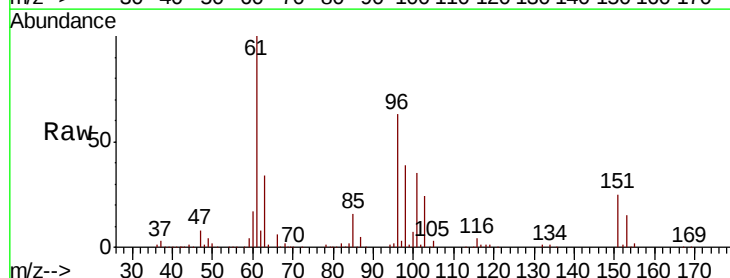
Manual Integrations  
APPROVED

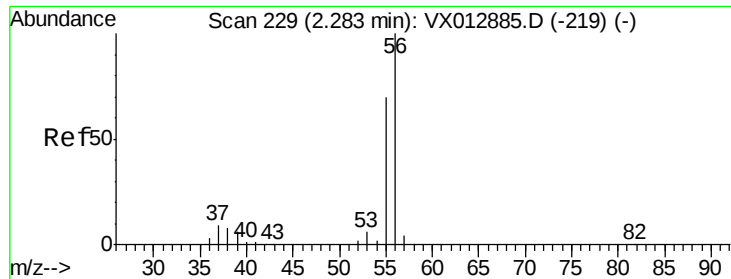
MMDadoda  
10/9/2019 10:36:20 AM



#12  
1,1-Dichloroethene  
Concen: 51.239 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion   | 96    | Resp  | 91540 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 157.6 | 132.2 | 198.4 |
| 98        | 61.9  | 50.5  | 75.7  |





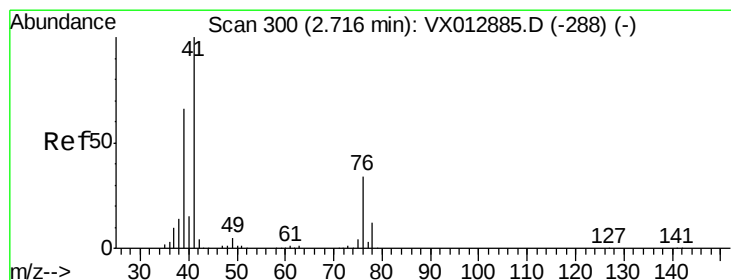
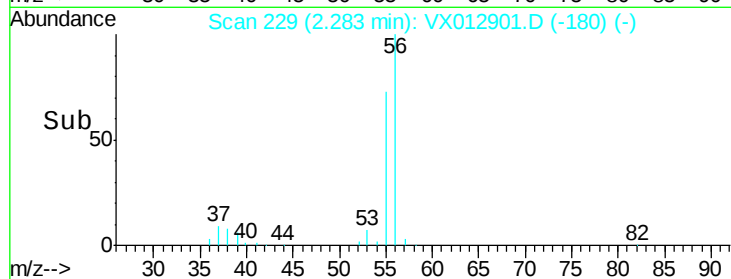
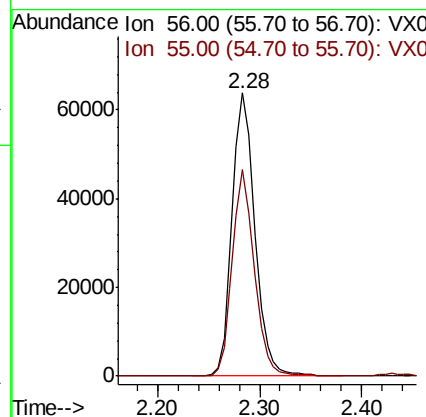
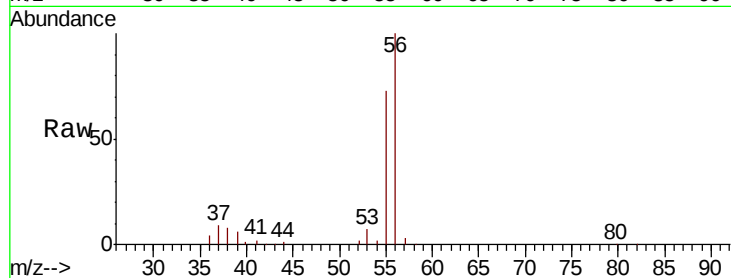
#13  
Acrolein  
Concen: 237.501 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | 56   | 55 | Ratio | 100 | Resp  | Lower | Upper |
|---------|------|----|-------|-----|-------|-------|-------|
| 56      | 100  |    |       |     | 98864 |       |       |
| 55      | 70.0 |    |       |     | 56.6  |       | 85.0  |

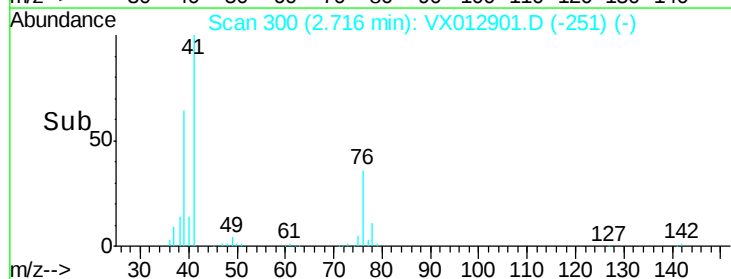
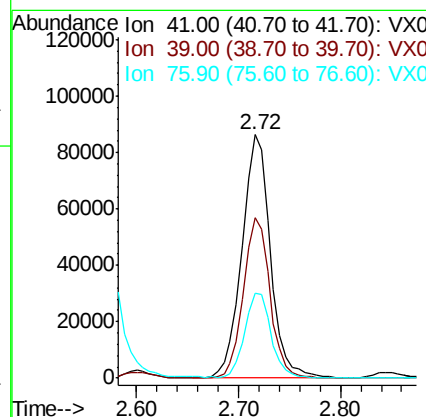
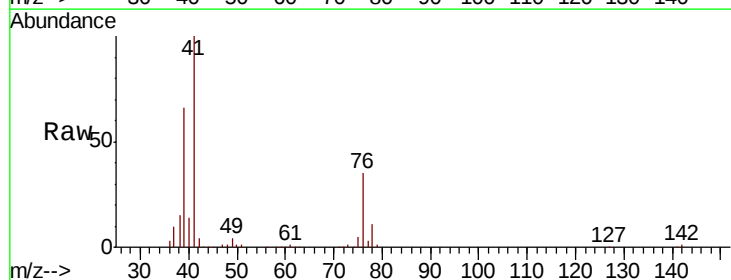
Manual Integrations  
APPROVED

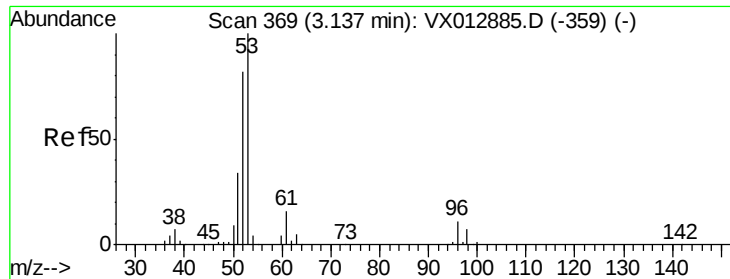
MMDadoda  
10/9/2019 10:36:20 AM



#14  
Allyl chloride  
Concen: 52.315 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | 41   | 39 | 76 | Ratio | 100    | Resp | Lower | Upper |
|---------|------|----|----|-------|--------|------|-------|-------|
| 41      | 100  |    |    |       | 166442 |      |       |       |
| 39      | 62.0 |    |    |       | 51.0   |      | 76.6  |       |
| 76      | 32.6 |    |    |       | 26.2   |      | 39.4  |       |





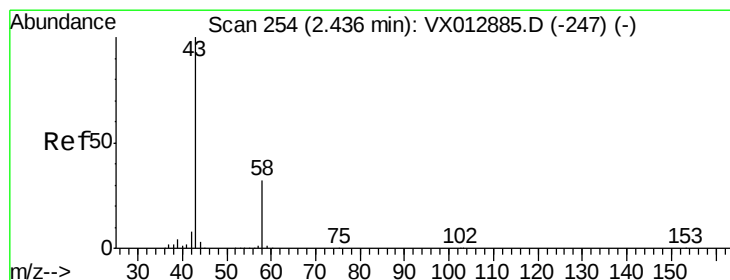
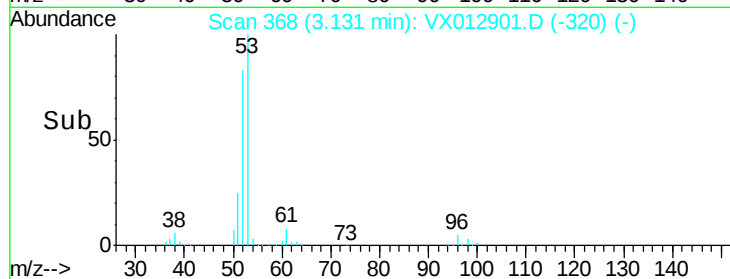
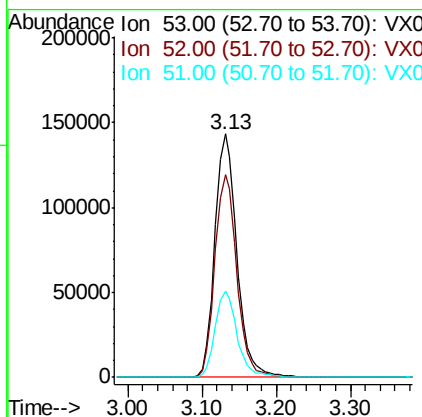
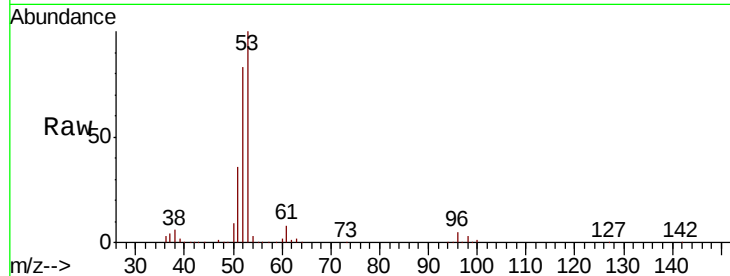
#15  
 Acrylonitrile  
 Concen: 264.317 ug/l  
 RT: 3.13 min Scan# 368  
 Delta R.T. -0.01 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.2  | 66.2  | 99.2  |
| 51      | 35.8  | 28.2  | 42.4  |

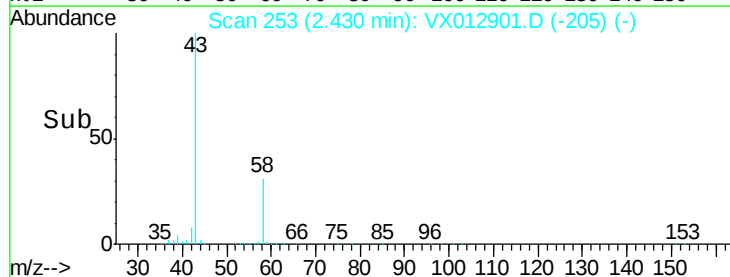
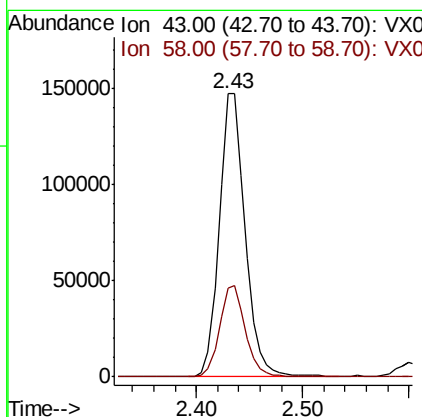
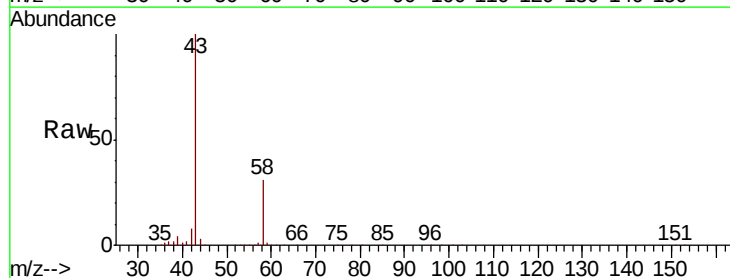
Manual Integrations  
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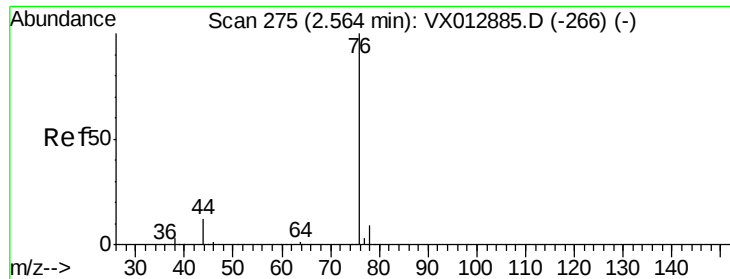
MMDadoda  
 10/9/2019 10:36:20 AM



#16  
 Acetone  
 Concen: 213.080 ug/l  
 RT: 2.43 min Scan# 253  
 Delta R.T. -0.01 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 31.3  | 25.4  | 38.2  |





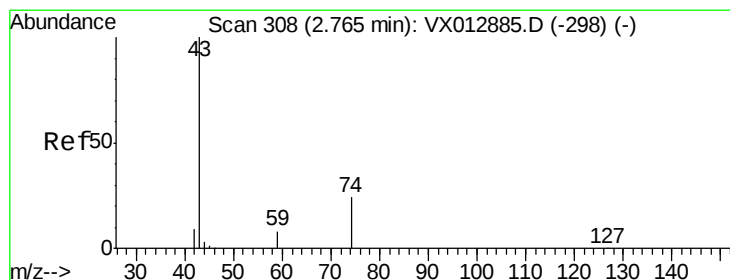
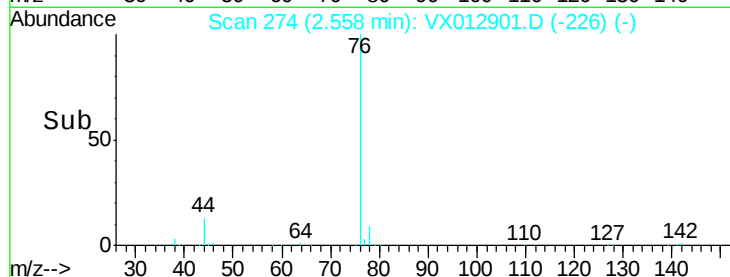
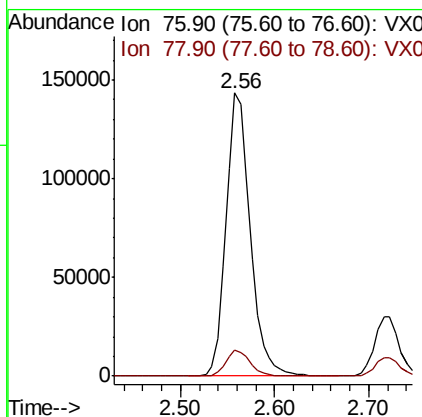
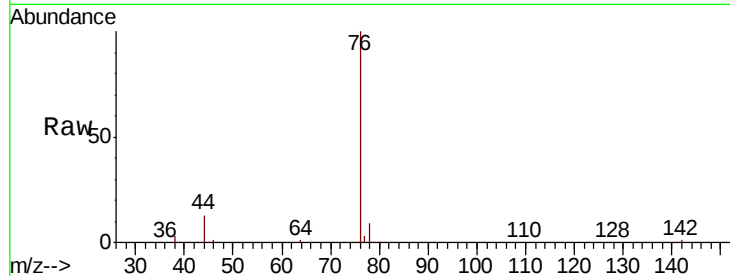
#17  
Carbon Disulfide  
Concen: 50.239 ug/l  
RT: 2.56 min Scan# 274  
Delta R.T. -0.01 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.1   | 10.7  |

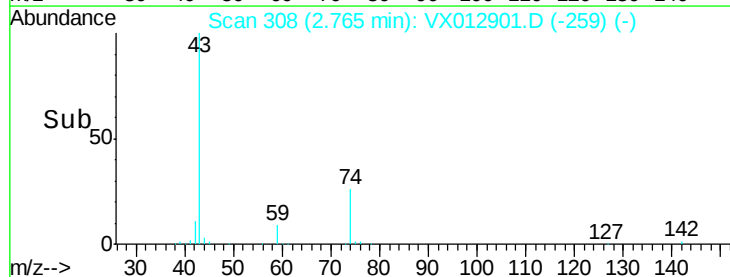
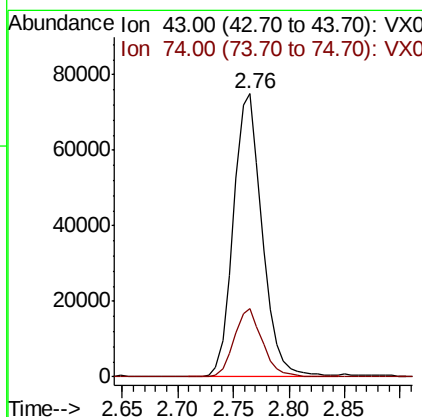
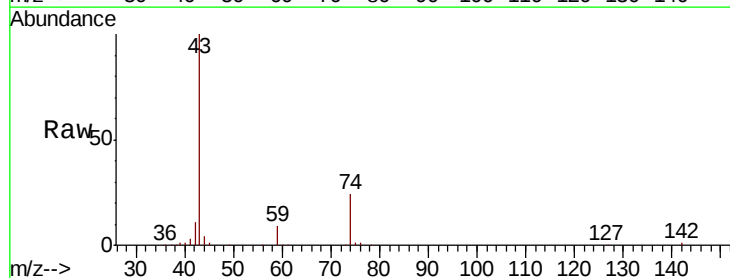
Manual Integrations  
APPROVED

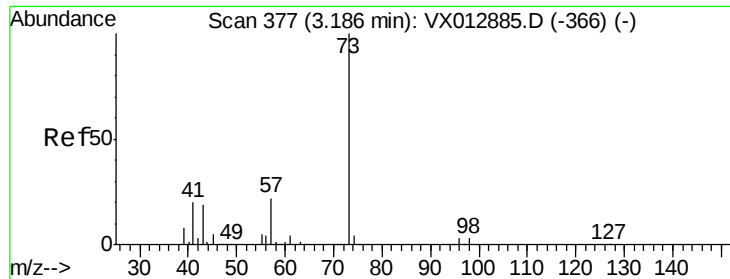
MMDadoda  
10/9/2019 10:36:20 AM



#18  
Methyl Acetate  
Concen: 48.536 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.1  | 19.2  | 28.8  |





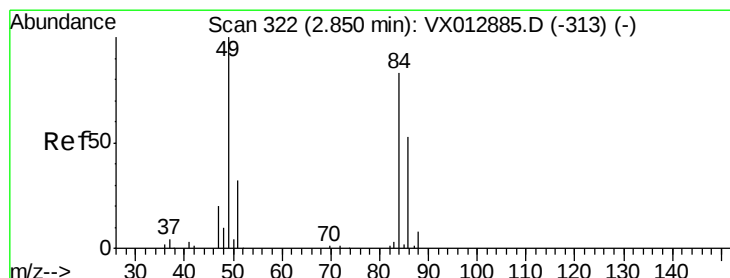
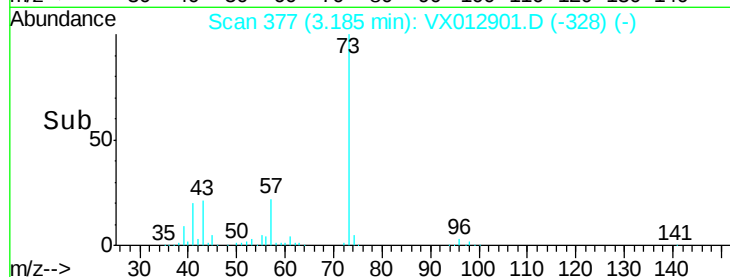
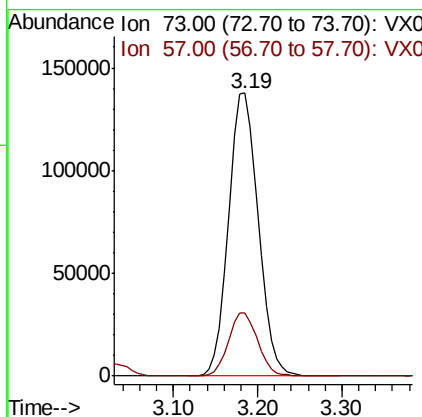
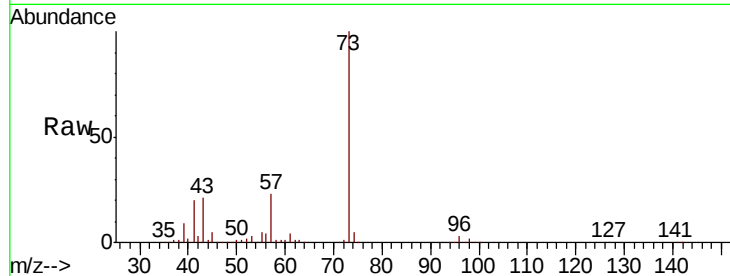
#19  
Methyl tert-butyl Ether  
Concen: 53.338 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.5  | 17.8  | 26.6  |

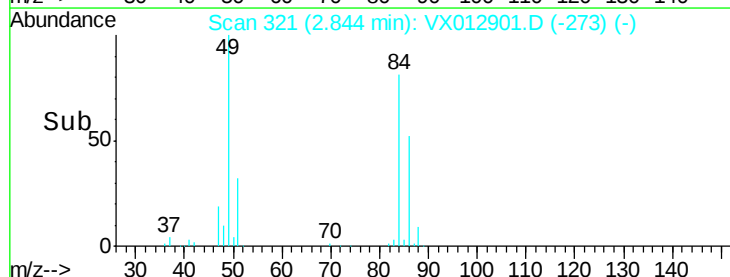
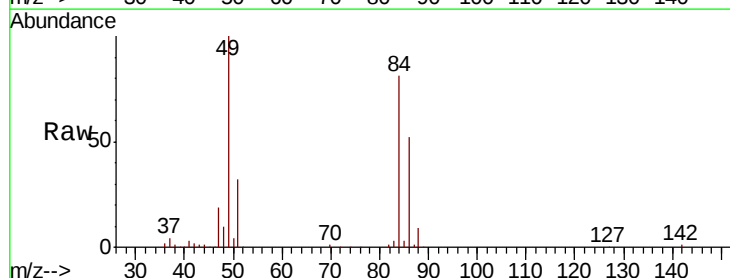
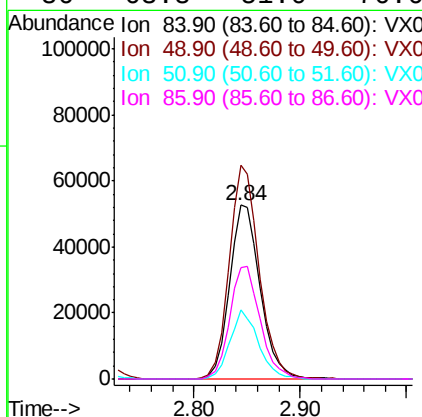
Manual Integrations  
APPROVED

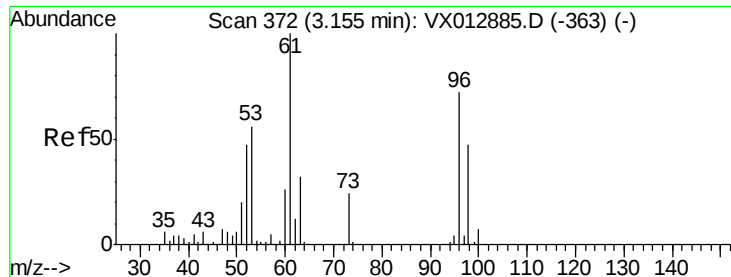
MMDadoda  
10/9/2019 10:36:20 AM



#20  
Methylene Chloride  
Concen: 49.756 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.01 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.7 | 96.6  | 144.8 |
| 51      | 39.5  | 30.7  | 46.1  |
| 86      | 63.8  | 51.0  | 76.6  |





#21

trans-1,2-Dichloroethene

Concen: 51.521 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

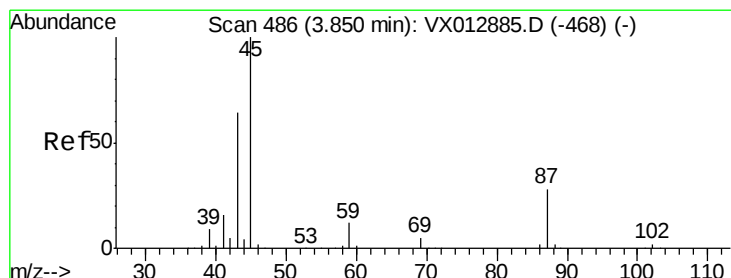
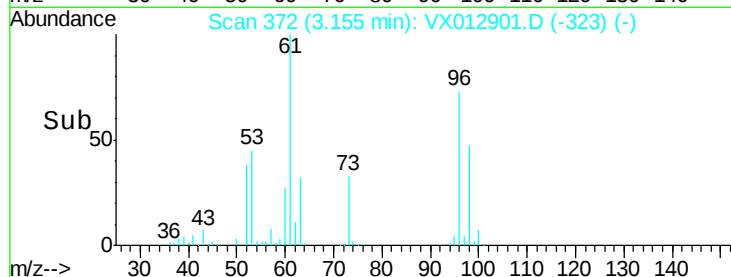
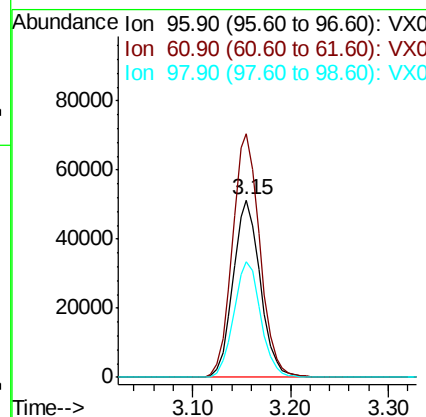
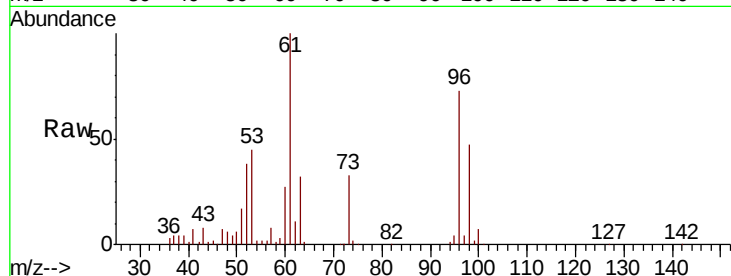
ClientSampleId :

FA19-MMW3414MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 98654 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 137.3 | 110.4 | 165.6 |
| 98       | 65.1  | 51.5  | 77.3  |

Manual Integrations  
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10/9/2019 10:36:20 AM



#22

Diisopropyl ether

Concen: 53.017 ug/l

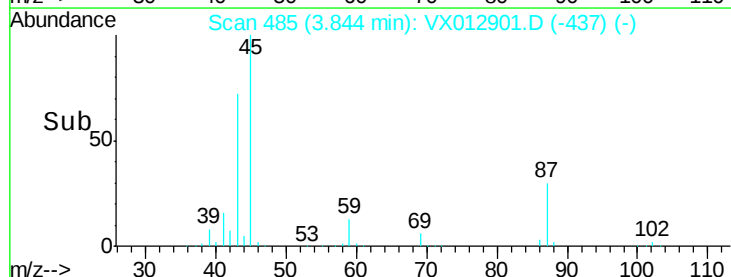
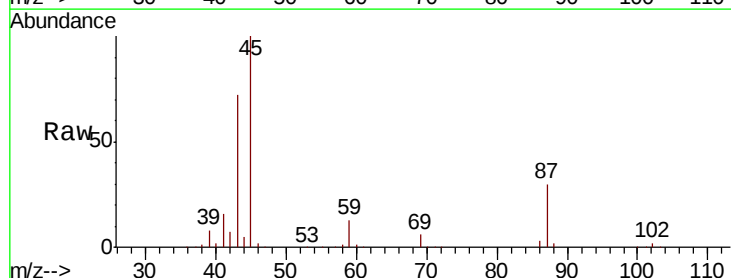
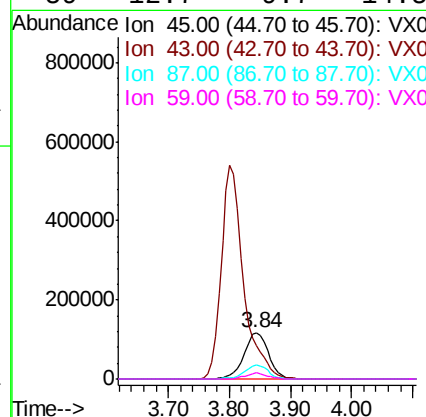
RT: 3.84 min Scan# 485

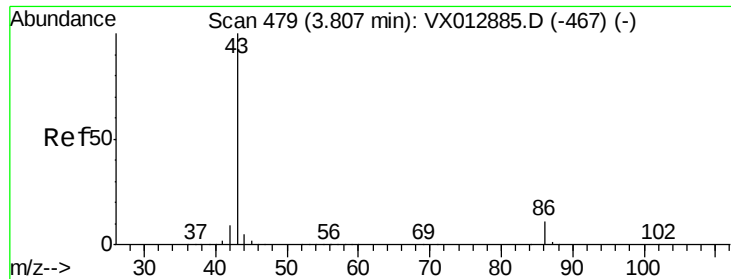
Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 323218 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 71.8  | 51.4  | 77.0   |
| 87       | 29.7  | 22.5  | 33.7   |
| 59       | 12.7  | 9.7   | 14.5   |





#23

Vinyl Acetate

Concen: 261.714 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 43 Resp: 1377380

Ion Ratio Lower Upper

43 100

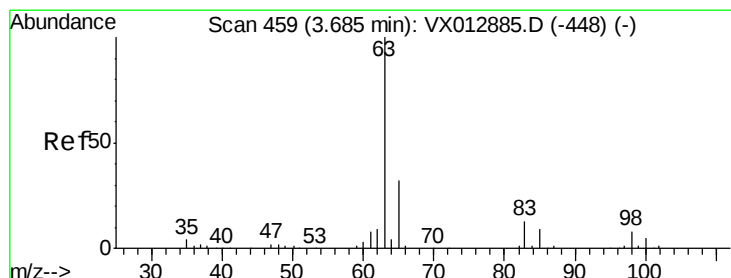
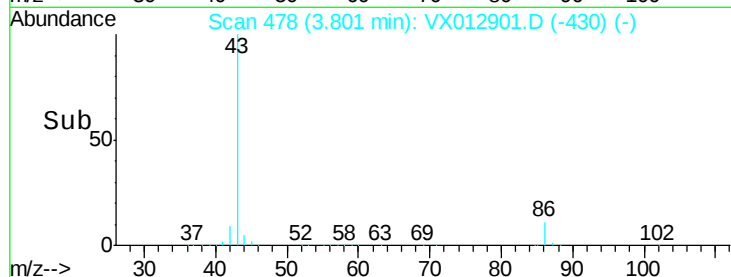
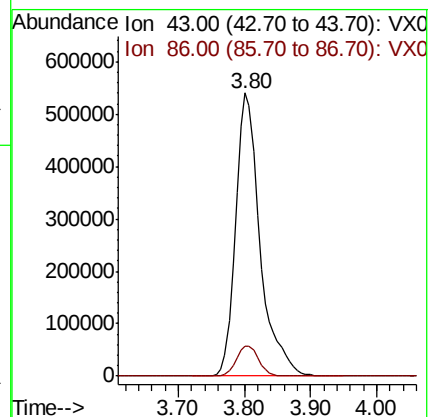
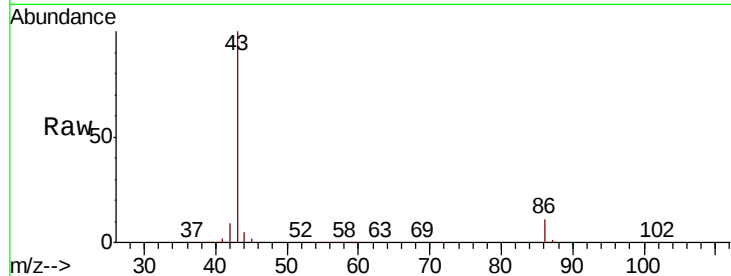
86 10.6 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 52.770 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

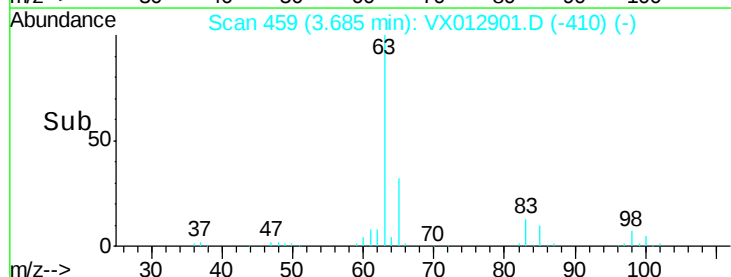
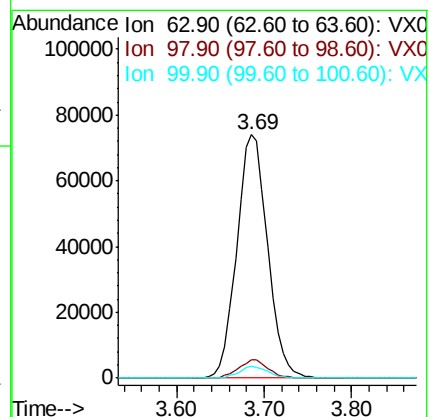
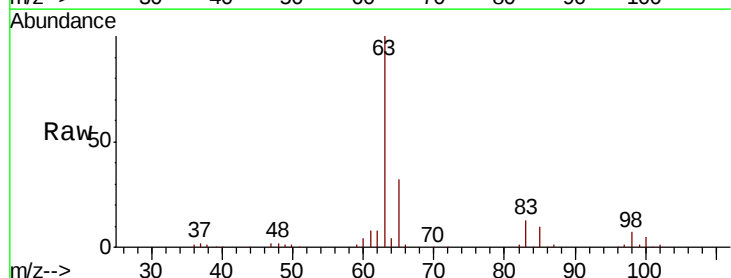
Tgt Ion: 63 Resp: 180988

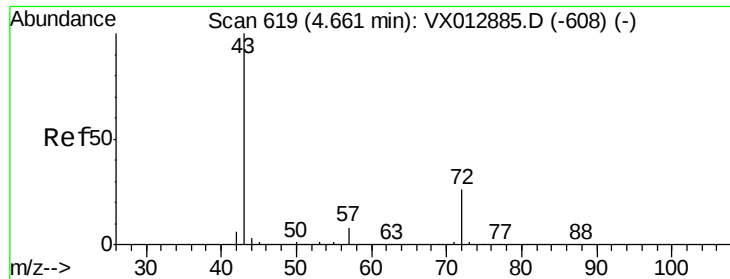
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 5.1 2.3 6.9





#25

2-Butanone

Concen: 247.225 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 43 Resp: 399479

Ion Ratio Lower Upper

43 100

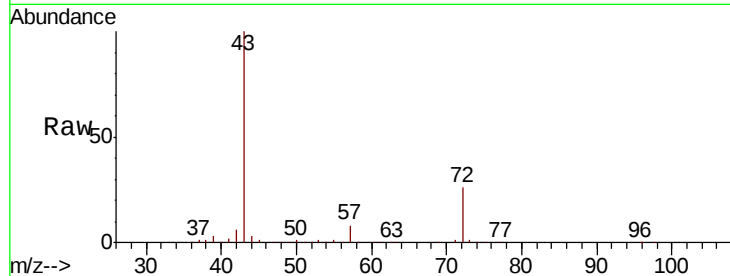
72 26.3 21.0 31.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

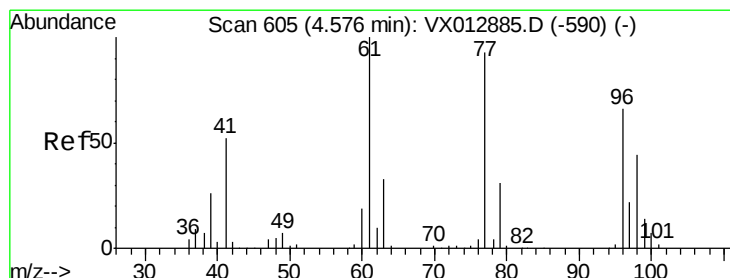
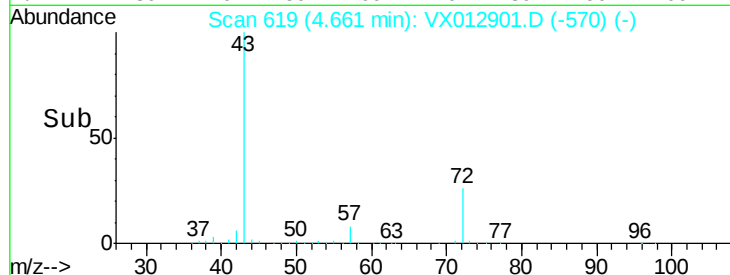
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.896 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012901.D

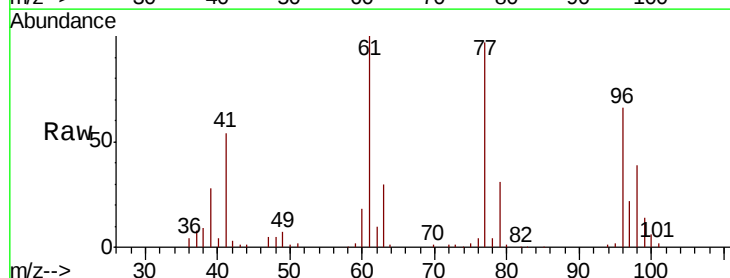
Acq: 08 Oct 2019 19:47

Tgt Ion: 77 Resp: 135251

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

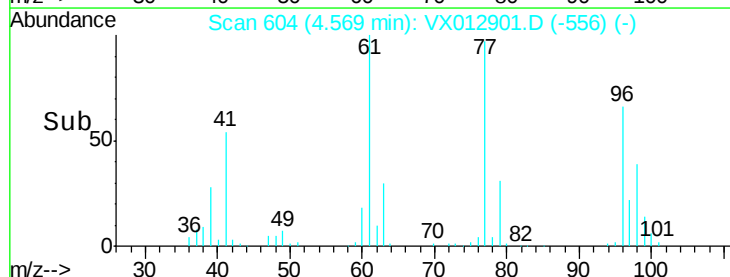
30000

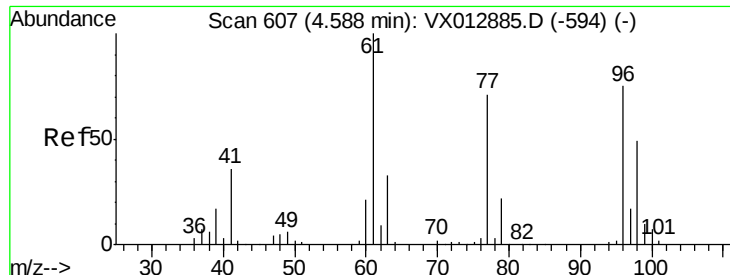
20000

10000

0

Time-->





#27

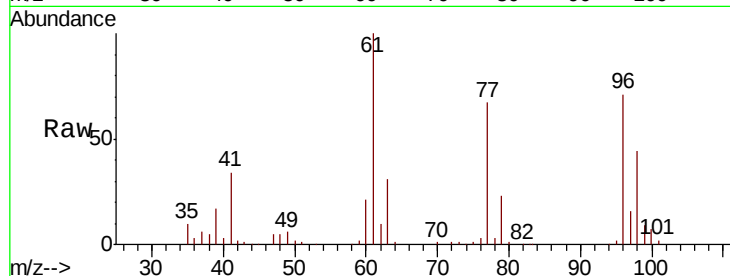
cis-1,2-Dichloroethene  
Concen: 51.788 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 114307 |       |       |
| 61      | 143.6 | 0.0    | 290.6 |       |
| 98      | 63.4  | 0.0    | 128.8 |       |

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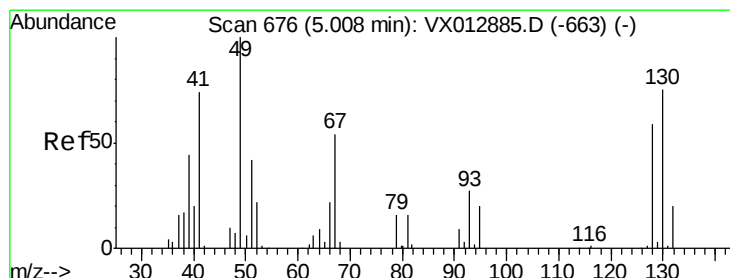
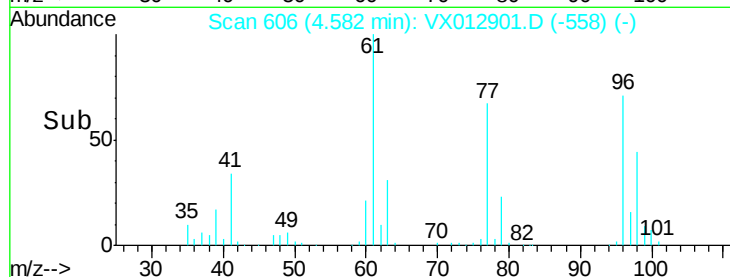
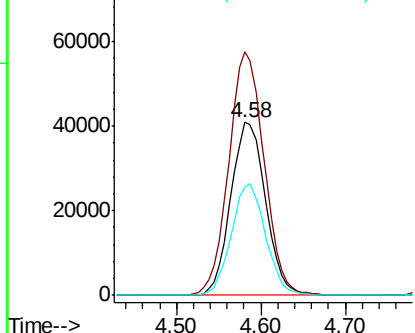


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

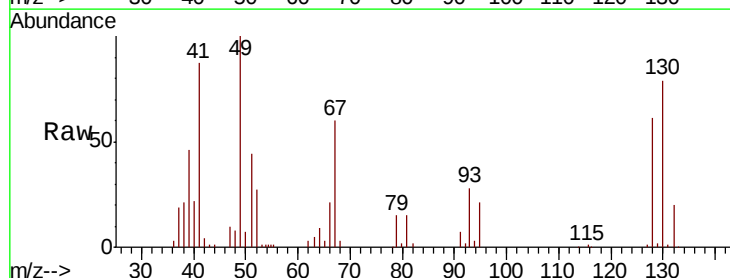
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane  
Concen: 54.342 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 55660 |       |       |
| 129     | 2.1   | 0.0   | 4.2   |       |
| 130     | 76.5  | 62.1  | 93.1  |       |

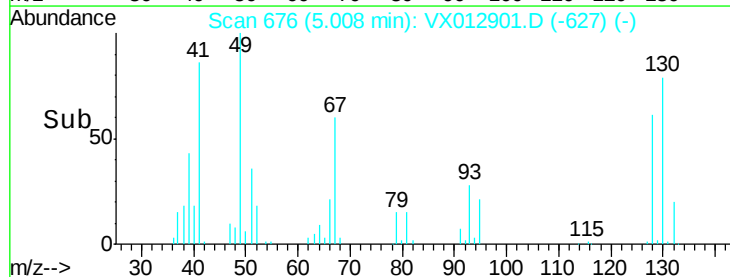
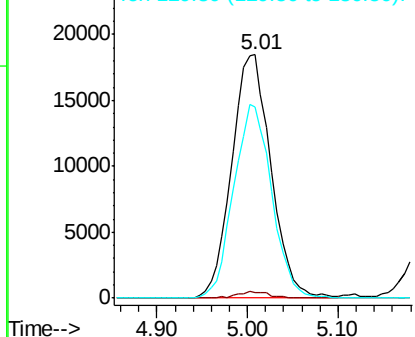


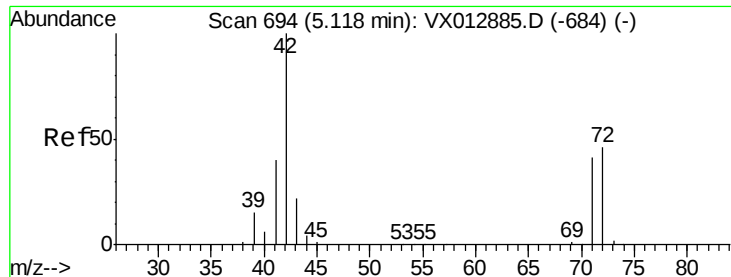
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





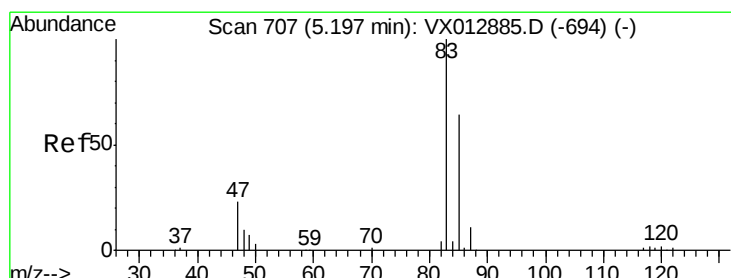
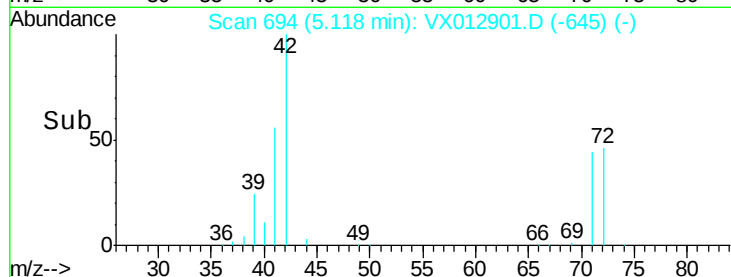
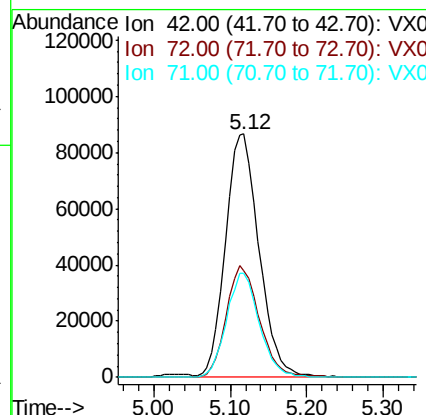
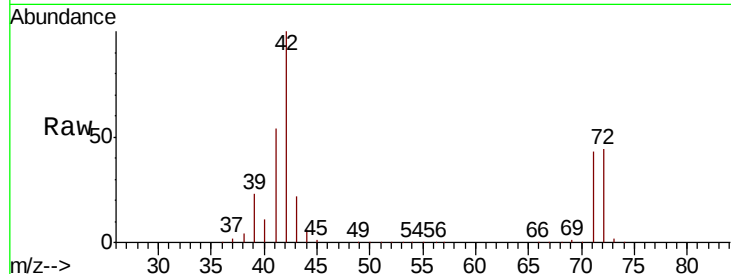
#29  
Tetrahydrofuran  
Concen: 263.542 ug/l  
RT: 5.12 min Scan# 694  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.8  | 36.9  | 55.3  |
| 71      | 42.1  | 33.5  | 50.3  |

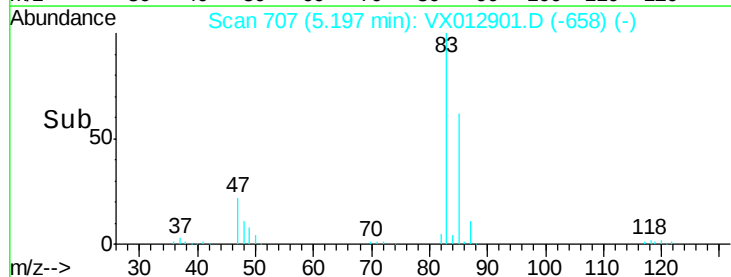
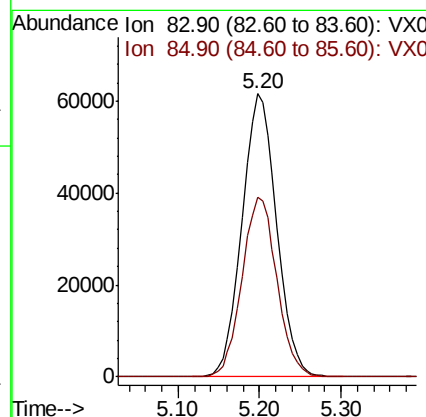
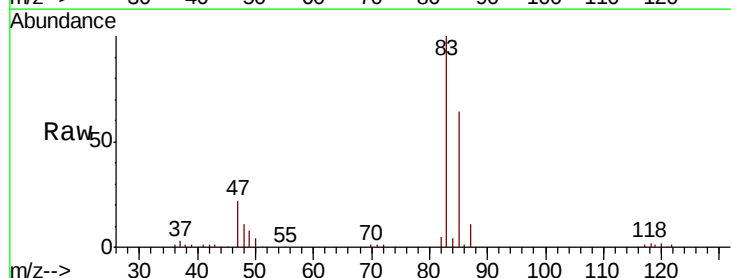
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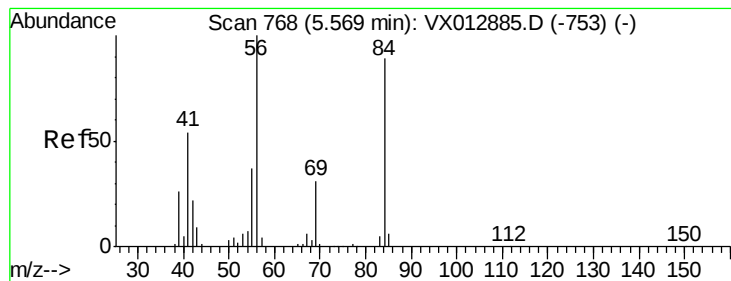
MMDadoda  
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#30  
Chloroform  
Concen: 51.474 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 50.186 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

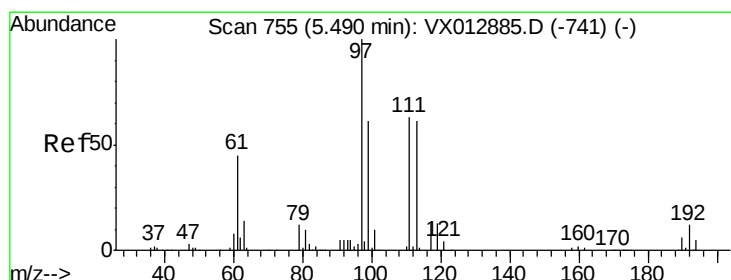
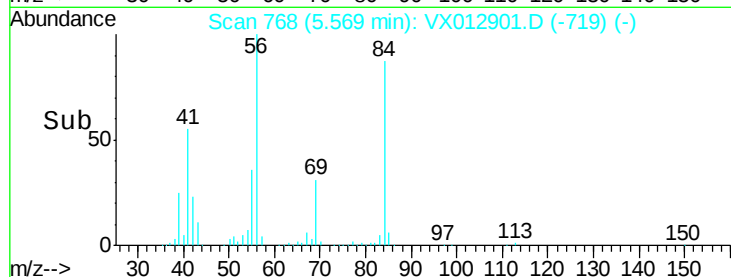
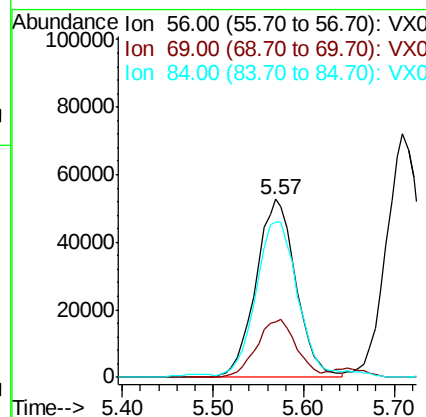
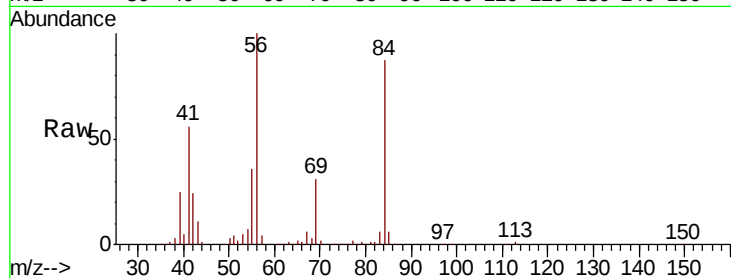
ClientSampleId :

FA19-MMW3414MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 160949 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.4  | 25.2  | 37.8   |
| 84       | 85.4  | 71.3  | 106.9  |

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#32

1,1,1-Trichloroethane

Concen: 53.531 ug/l

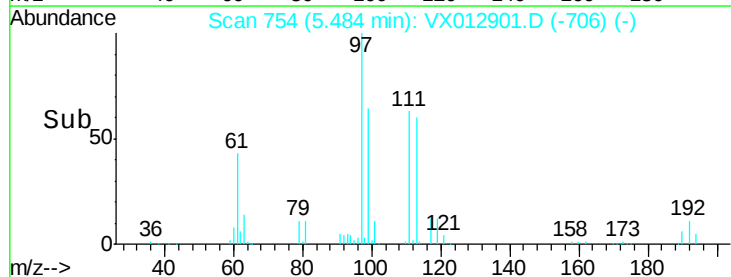
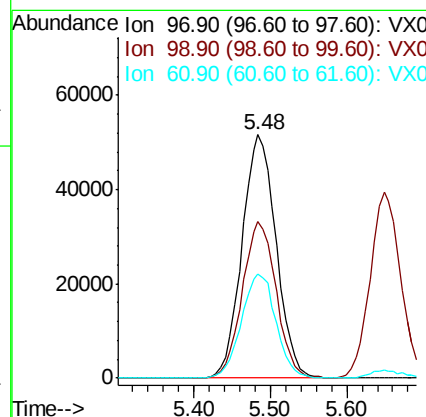
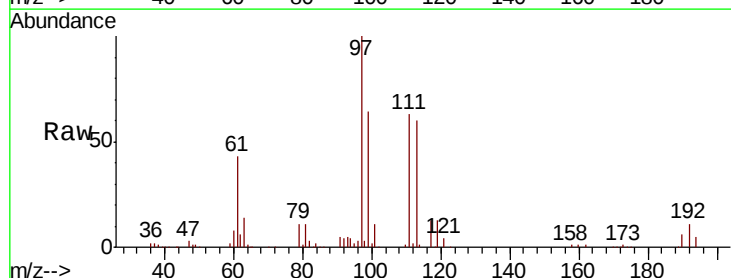
RT: 5.48 min Scan# 754

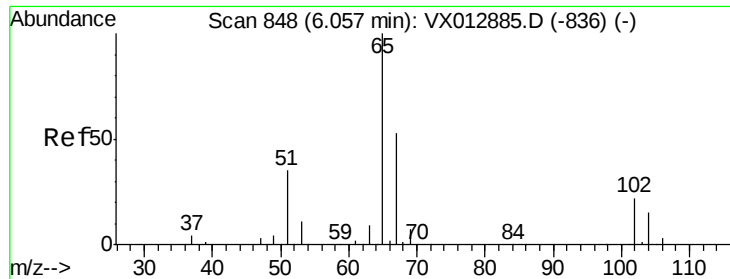
Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 159621 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.0  | 52.3  | 78.5   |
| 61       | 43.6  | 35.0  | 52.4   |





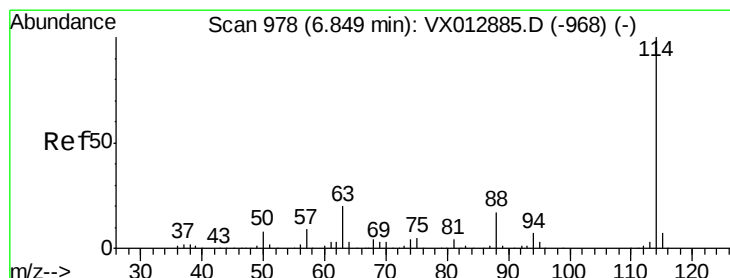
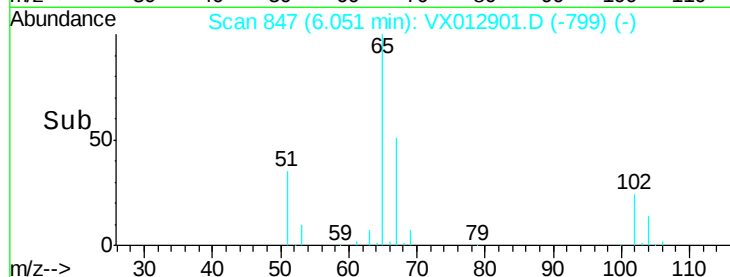
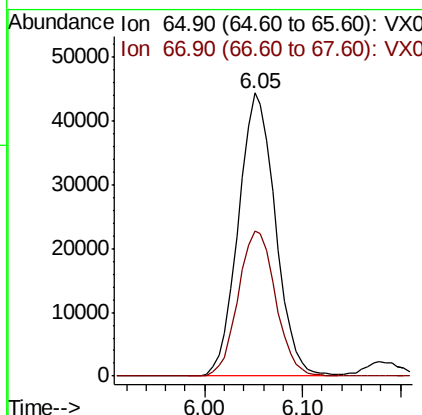
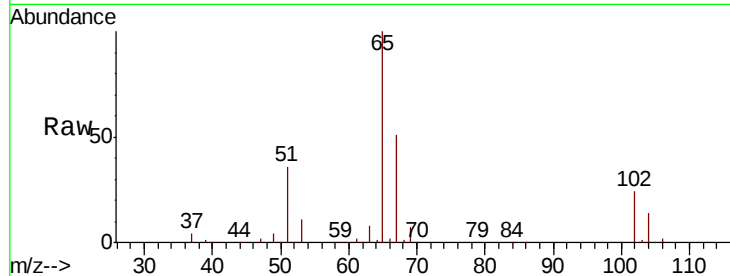
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.729 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.01 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.7  | 0.0   | 104.4 |

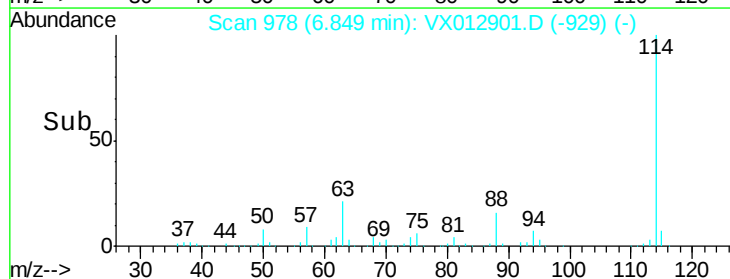
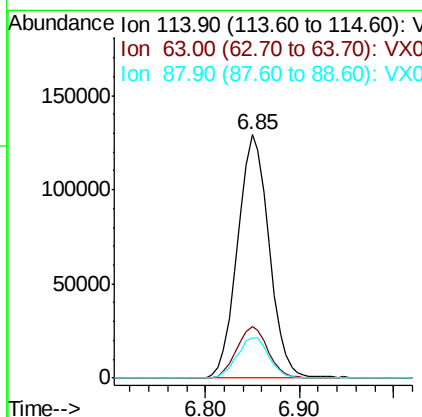
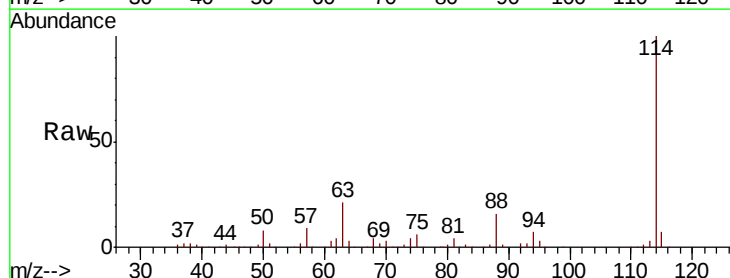
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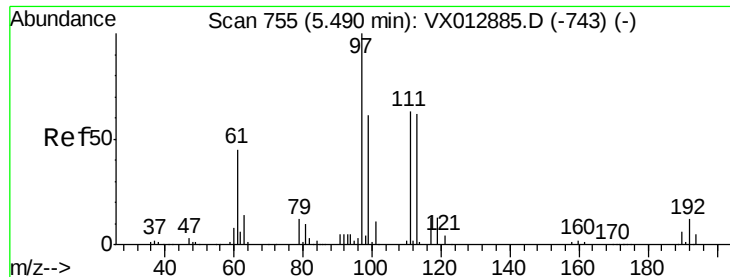
MMDadoda  
 10/9/2019 10:36:20 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.0  | 0.0   | 40.8  |
| 88      | 16.3  | 0.0   | 33.8  |





#35

Dibromofluoromethane

Concen: 52.493 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

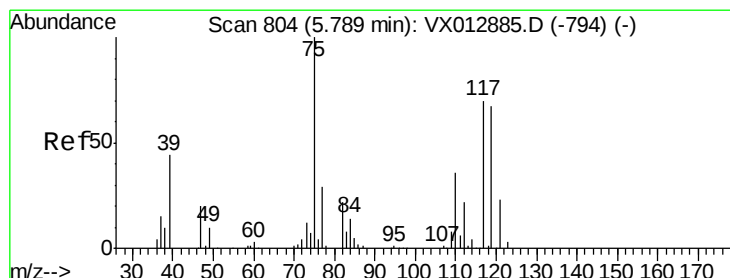
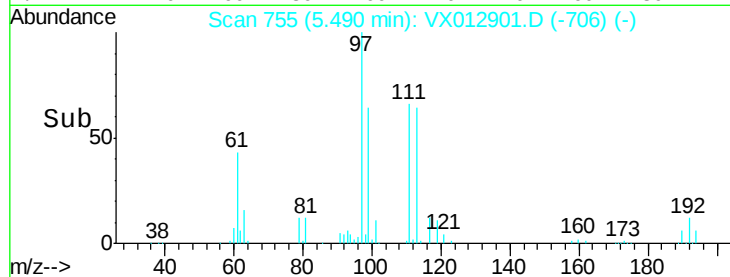
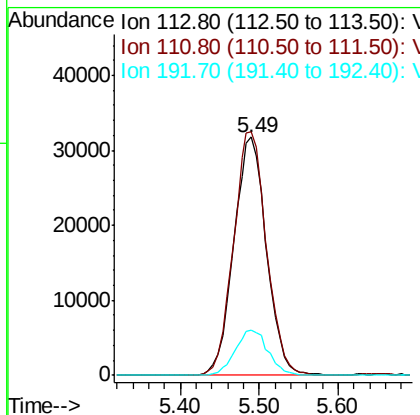
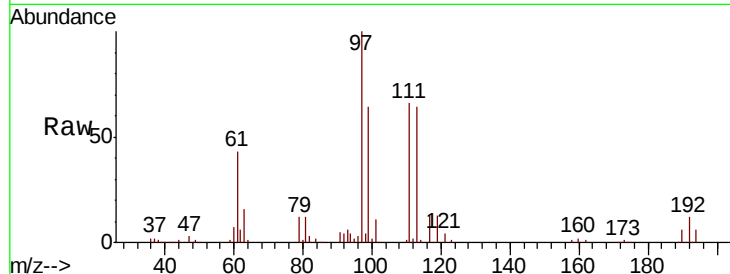
ClientSampleId :

FA19-MMW3414MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 91247 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.1 | 83.2  | 124.8 |
| 192      | 19.3  | 15.4  | 23.2  |

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#36

1,1-Dichloropropene

Concen: 50.994 ug/l

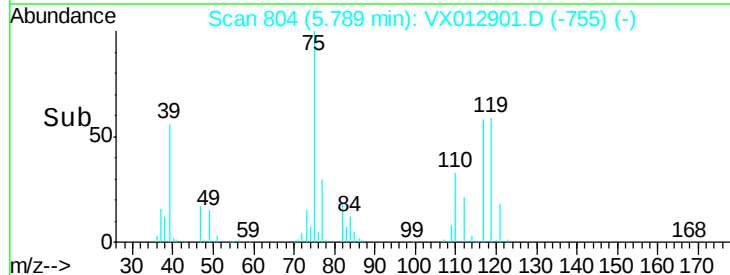
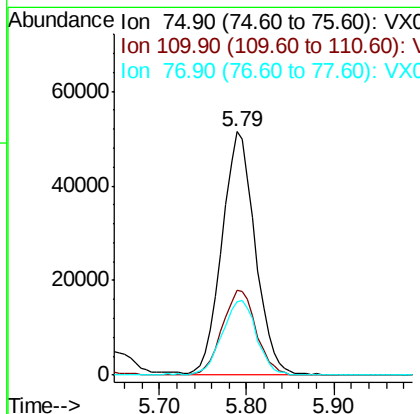
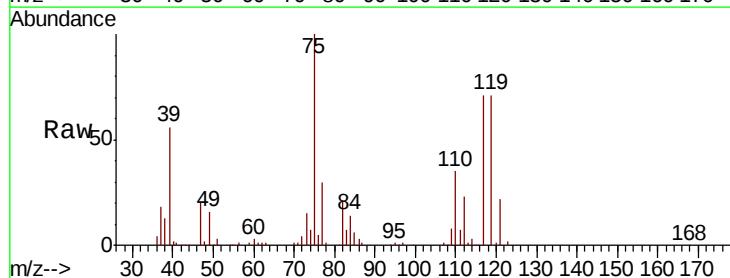
RT: 5.79 min Scan# 804

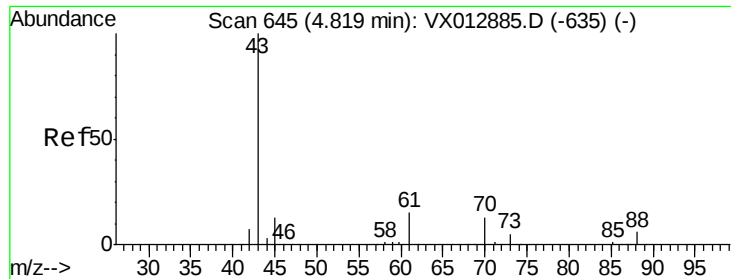
Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 135786 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.8  | 17.6  | 52.9   |
| 77       | 31.7  | 24.4  | 36.6   |





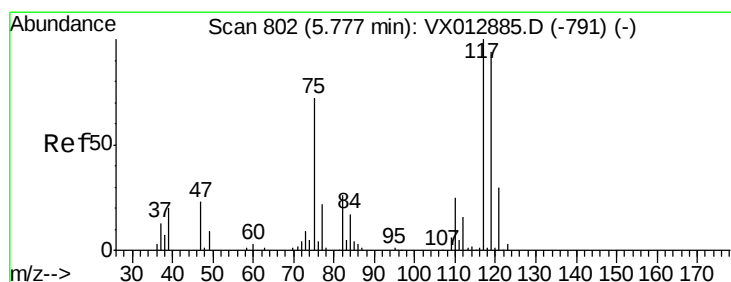
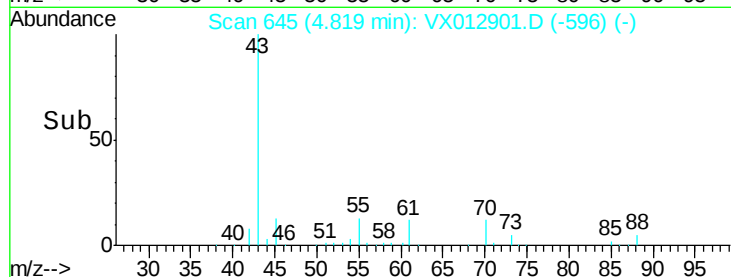
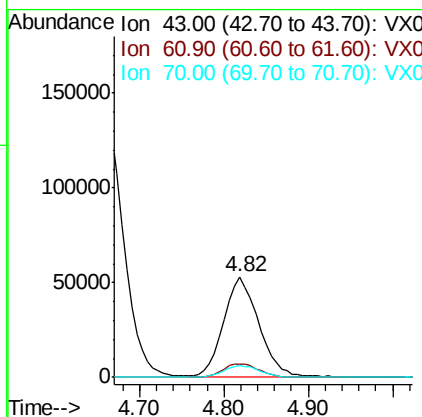
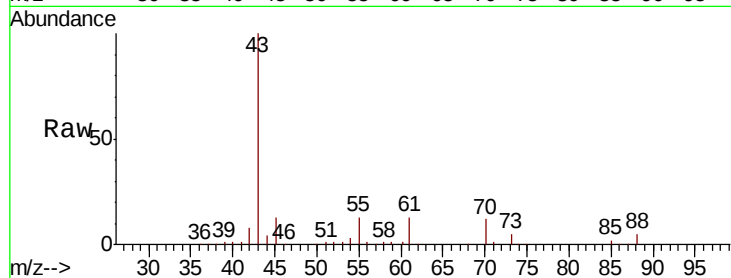
#37  
Ethyl Acetate  
Concen: 50.628 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.4  | 17.0  |
| 70      | 11.7  | 9.8   | 14.6  |

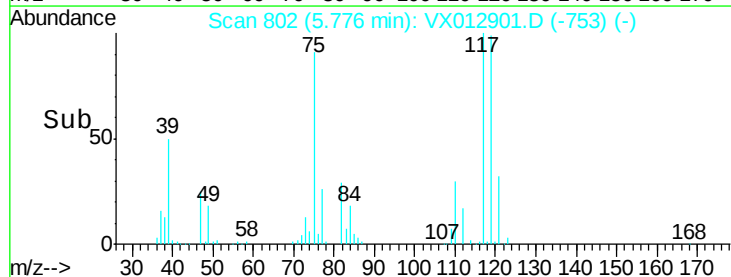
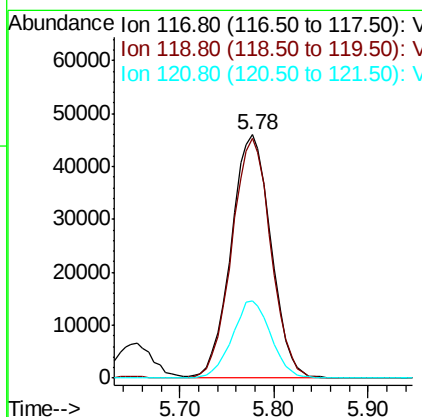
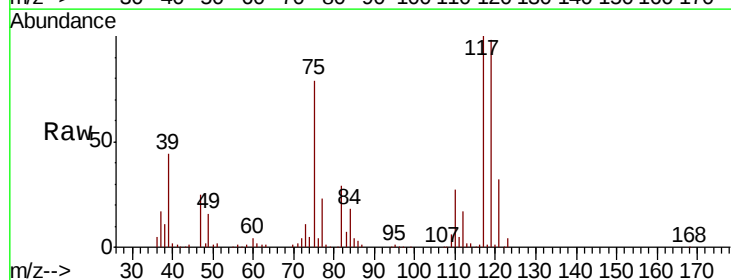
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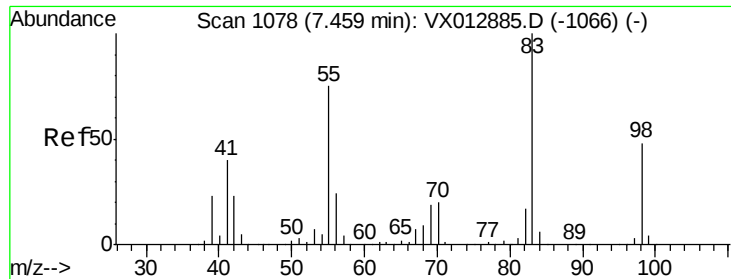
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 52.464 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.4  | 74.5  | 111.7 |
| 121     | 31.8  | 24.2  | 36.4  |





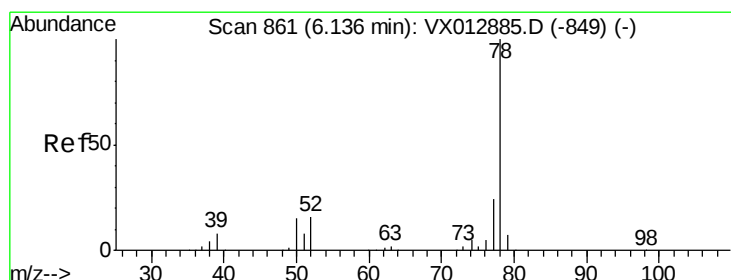
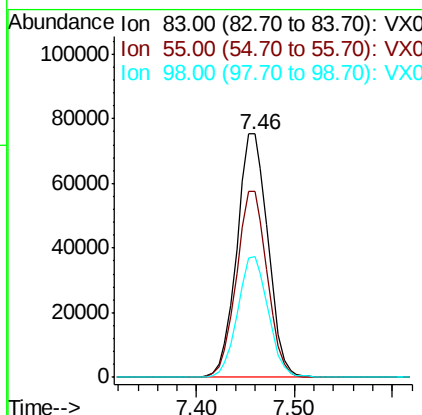
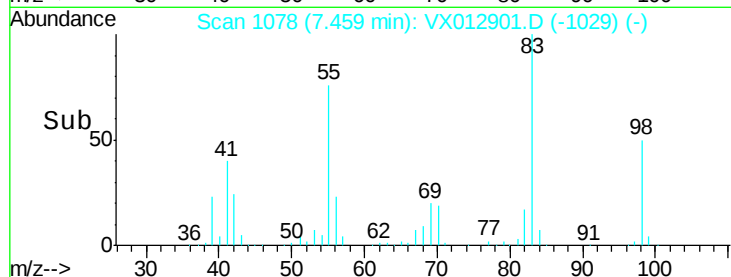
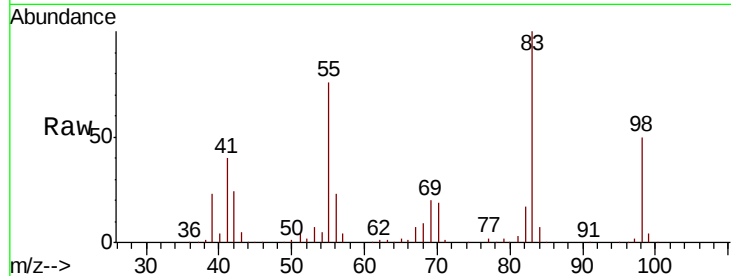
#39  
Methvlcvclohexane  
Concen: 51.363 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.4  | 60.2  | 90.4  |
| 98      | 49.6  | 38.5  | 57.7  |

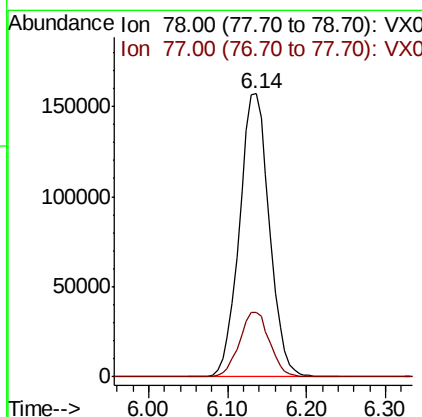
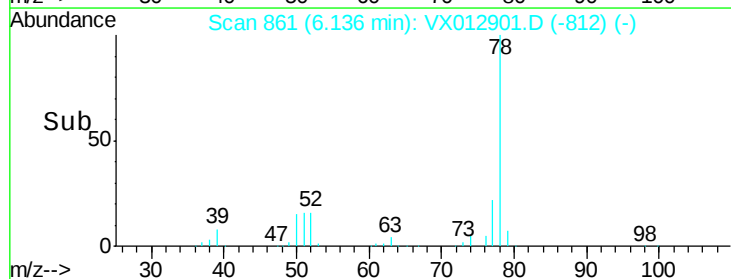
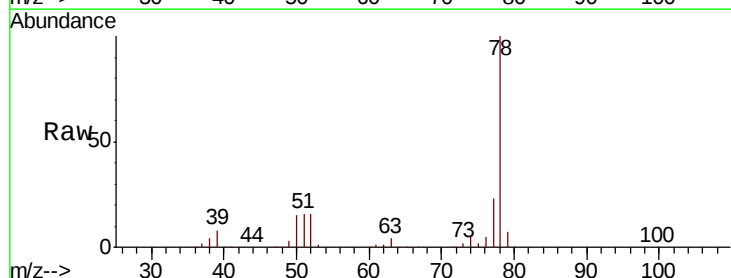
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10/9/2019 10:36:20 AM



#40  
Benzene  
Concen: 52.821 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.8  | 19.0  | 28.4  |





#41

Methacrylonitrile

Concen: 54.203 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 41 Resp: 88681

Ion Ratio Lower Upper

41 100

39 51.4 44.0 66.0

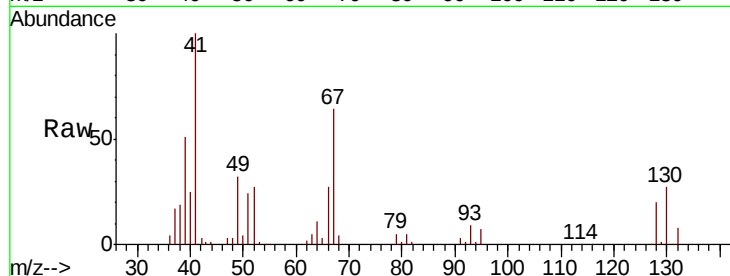
67 68.9 58.5 87.7

52 28.9 23.8 35.8

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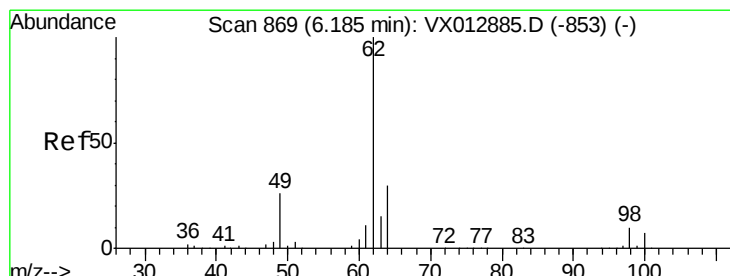
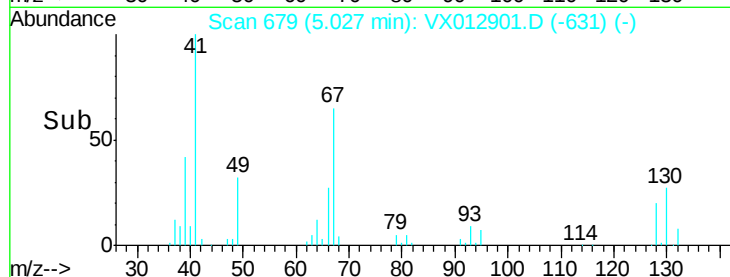
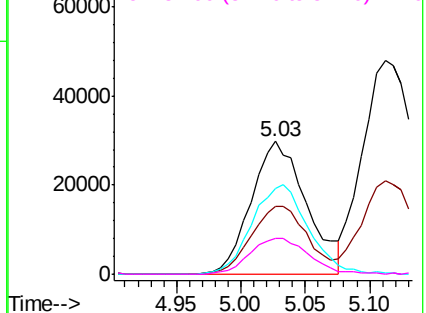


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.047 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX012901.D

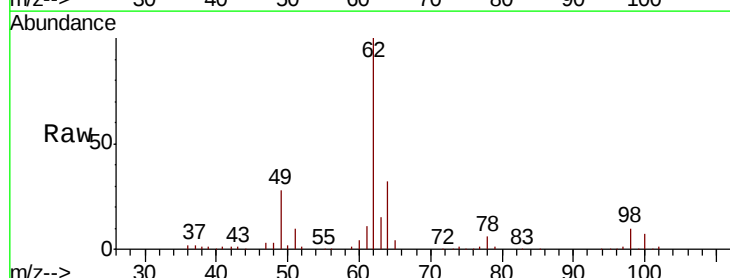
Acq: 08 Oct 2019 19:47

Tgt Ion: 62 Resp: 146877

Ion Ratio Lower Upper

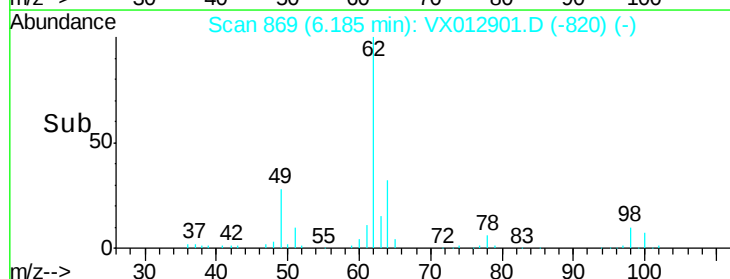
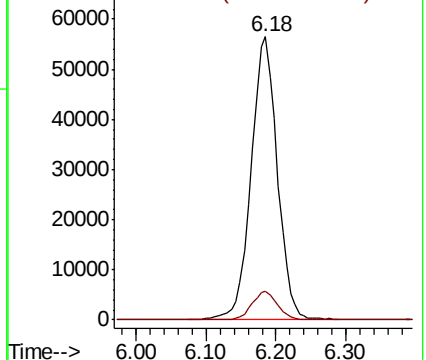
62 100

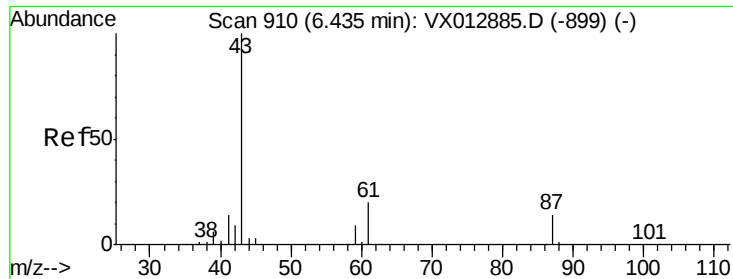
98 9.8 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.041 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

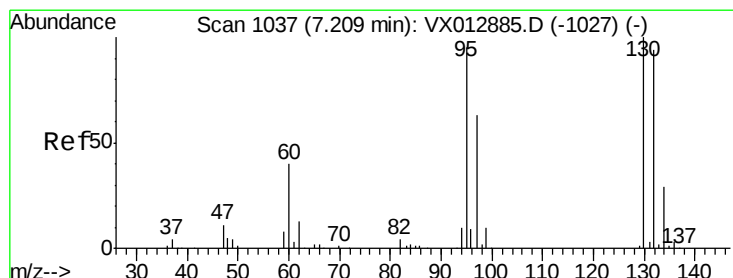
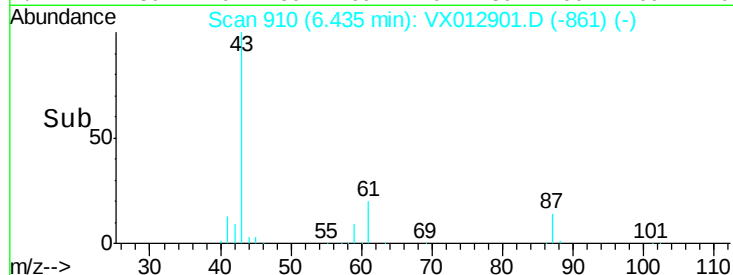
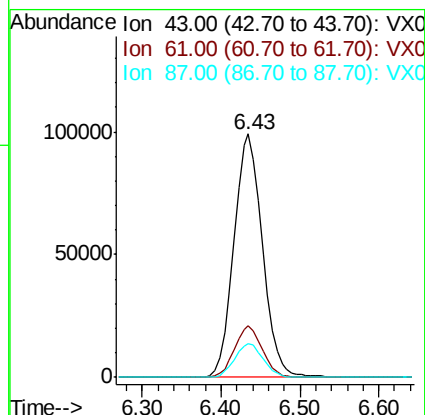
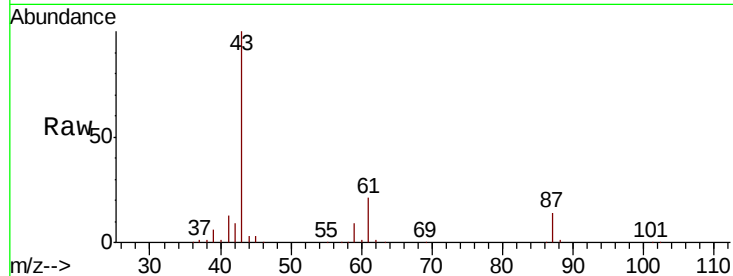
ClientSampleId :

FA19-MMW3414MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 248702 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.8  | 16.6  | 24.8   |
| 87       | 13.9  | 11.0  | 16.6   |

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#44

Trichloroethene

Concen: 49.095 ug/l

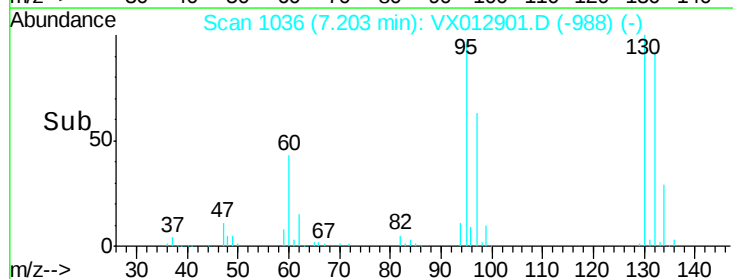
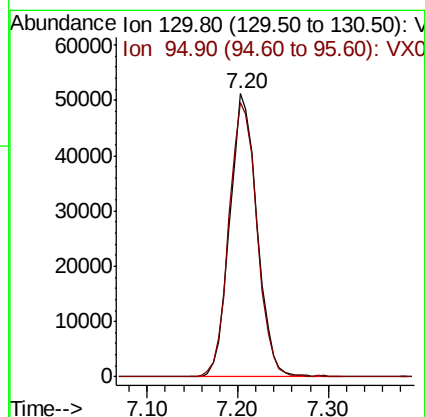
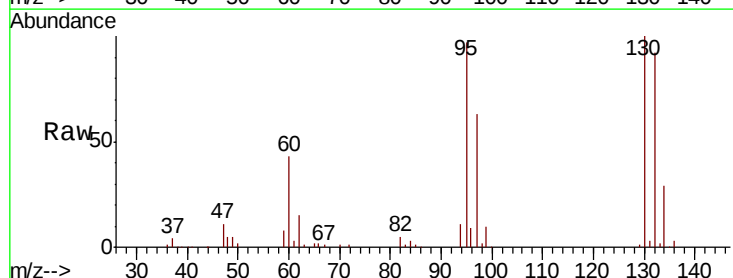
RT: 7.20 min Scan# 1036

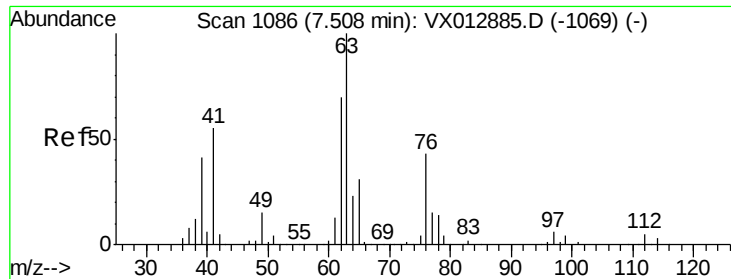
Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 107069 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.8  | 0.0   | 189.2  |





#45

1,2-Dichloropropane

Concen: 52.641 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 63 Resp: 105514

Ion Ratio Lower Upper

63 100

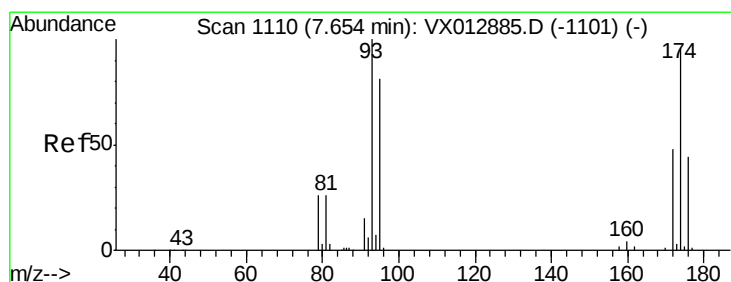
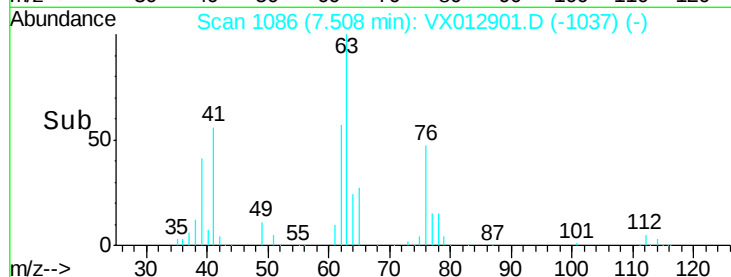
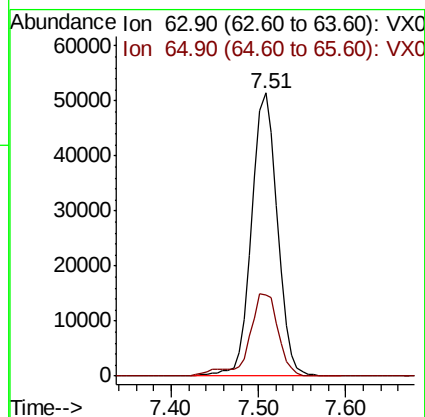
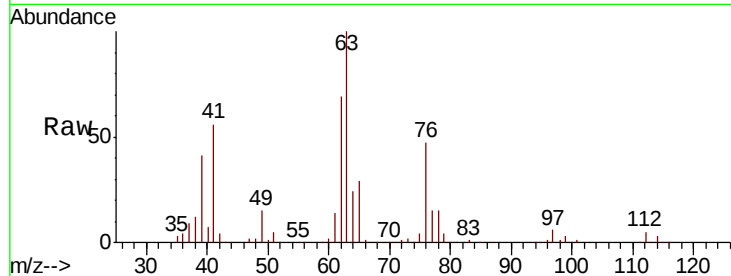
65 28.9 24.6 37.0

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#46

Dibromomethane

Concen: 53.064 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

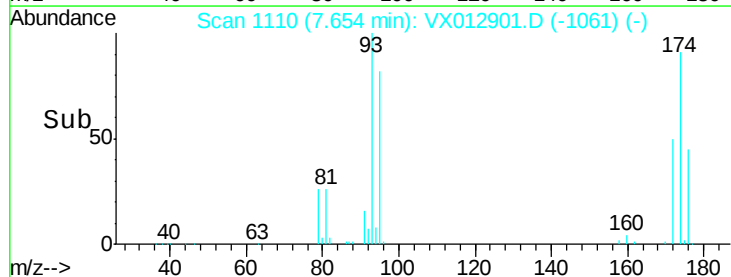
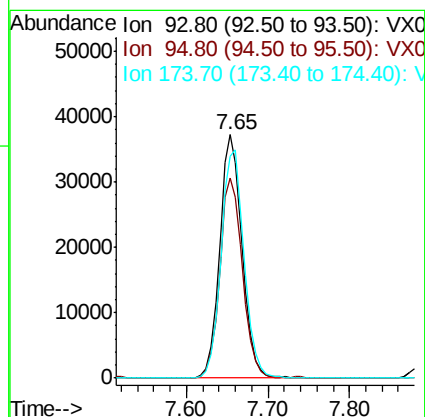
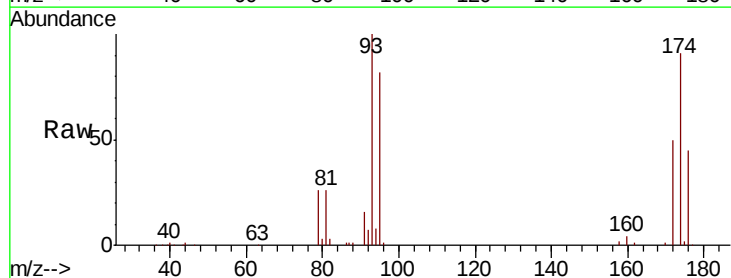
Tgt Ion: 93 Resp: 70864

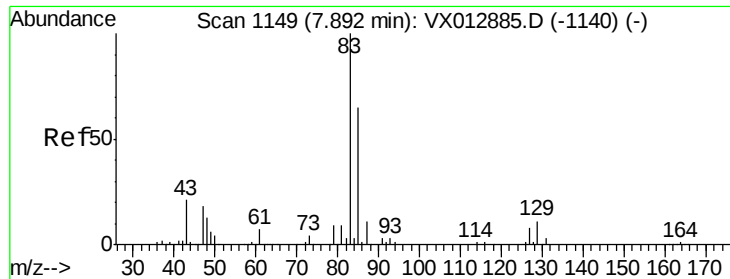
Ion Ratio Lower Upper

93 100

95 83.5 66.3 99.5

174 96.4 77.8 116.6





#47

Bromodichloromethane

Concen: 53.557 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

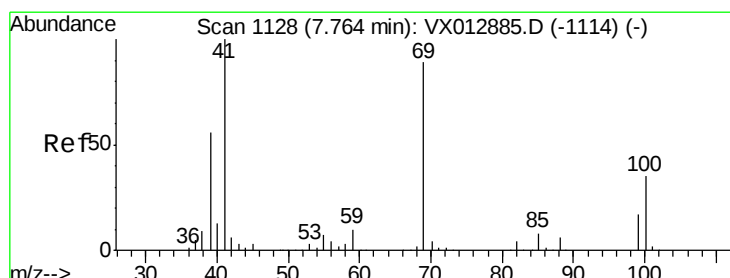
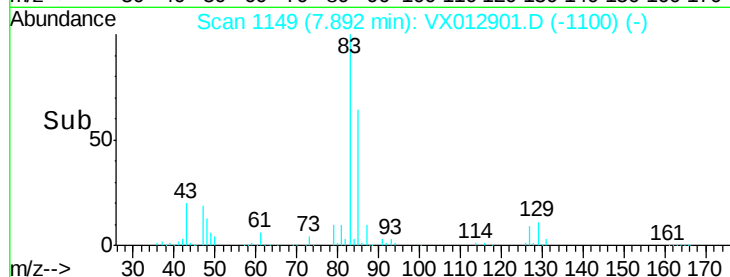
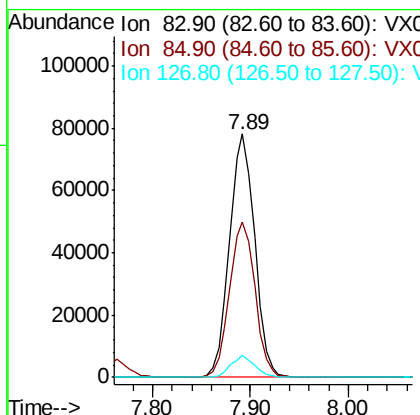
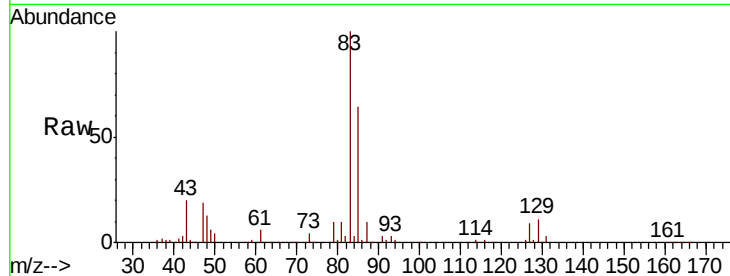
ClientSampleId :

FA19-MMW3414MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 139578 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.0  | 52.4  | 78.6   |
| 127       | 8.9   | 6.6   | 10.0   |

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#48

Methyl methacrylate

Concen: 52.883 ug/l

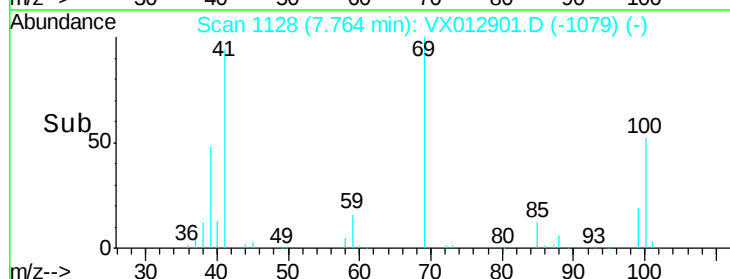
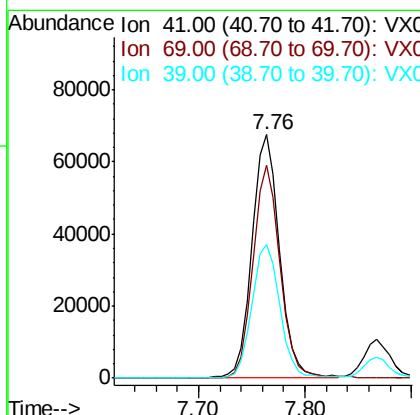
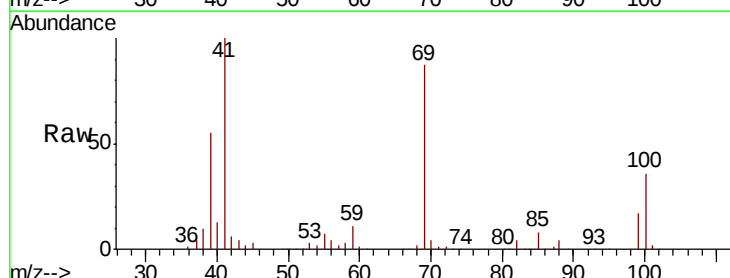
RT: 7.76 min Scan# 1128

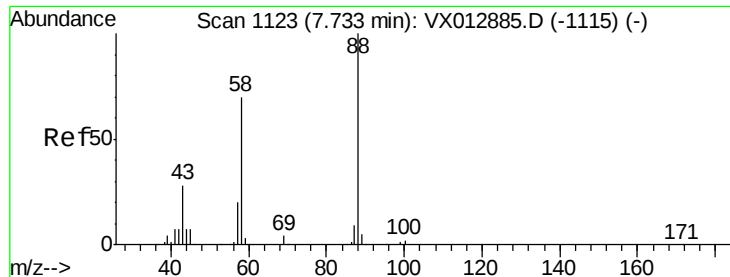
Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 123157 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 86.2  | 68.7  | 103.1  |
| 39        | 55.6  | 44.3  | 66.5   |





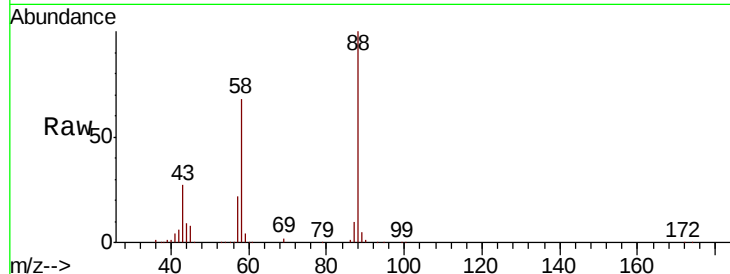
#49  
1,4-Dioxane  
Concen: 893.899 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.1  | 25.0  | 37.6  |
| 58      | 69.5  | 55.4  | 83.2  |

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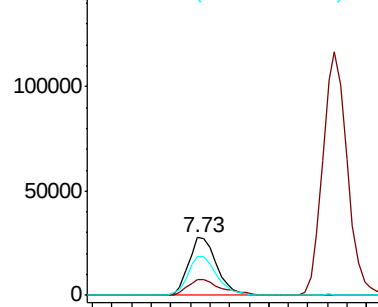


Abundance

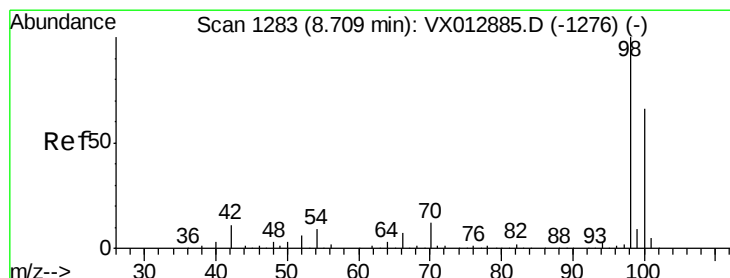
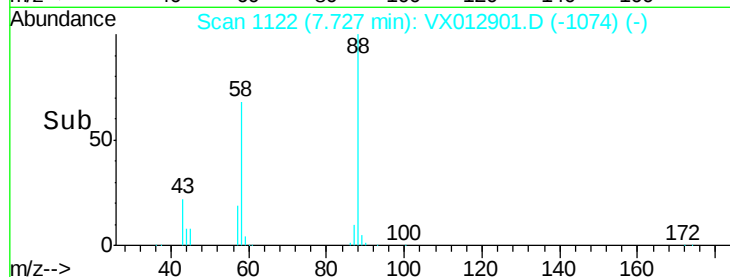
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

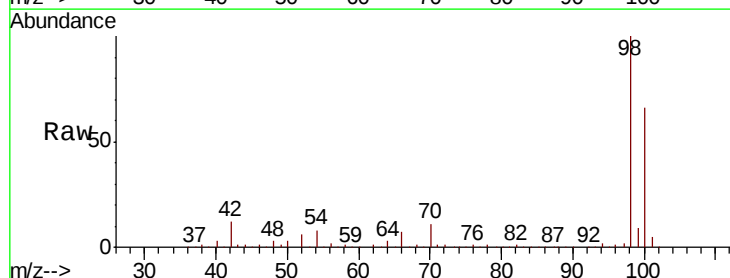


Time-->



#50  
Toluene-d8  
Concen: 51.737 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

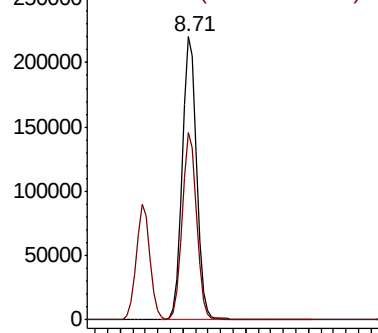
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 53.4  | 80.2  |



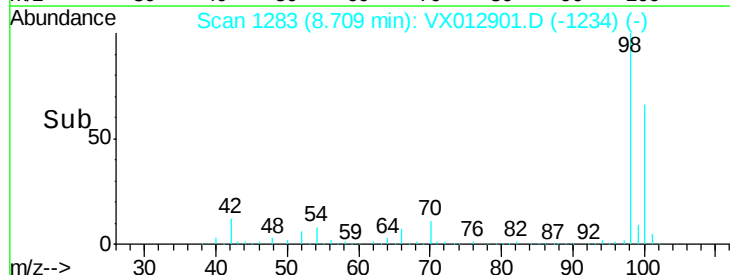
Abundance

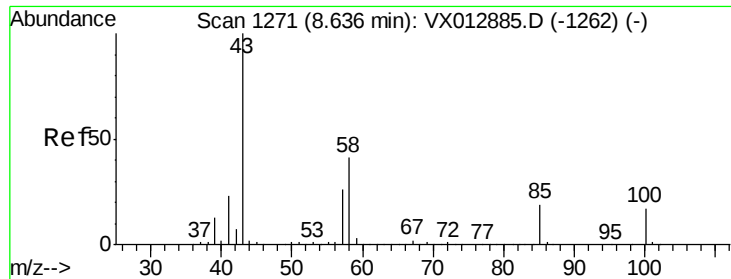
Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 262.691 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 43 Resp: 782710

Ion Ratio Lower Upper

43 100

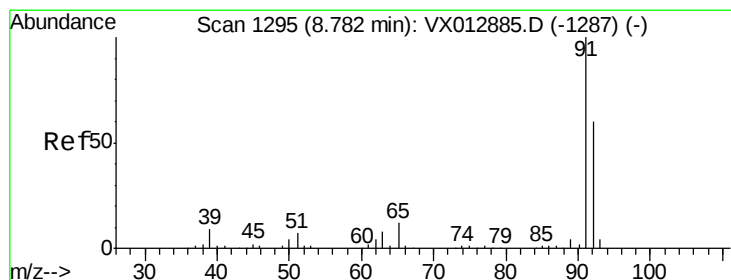
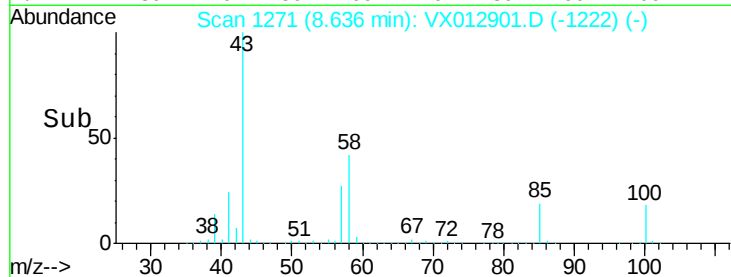
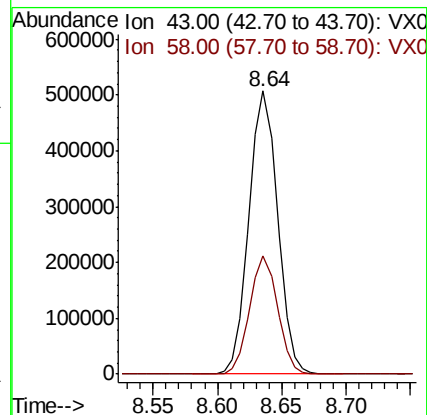
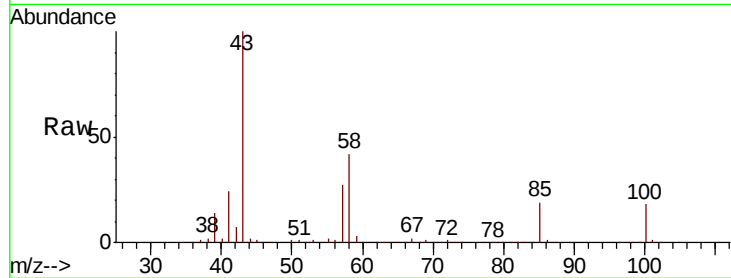
58 40.7 32.4 48.6

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#52

Toluene

Concen: 52.428 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012901.D

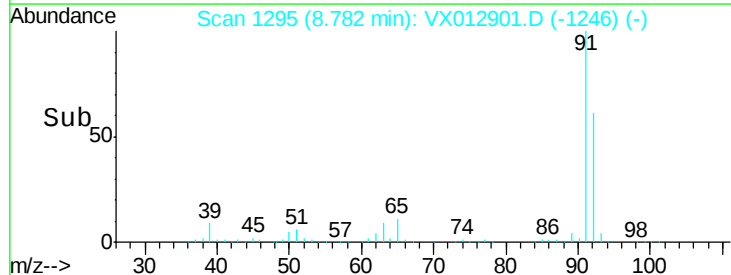
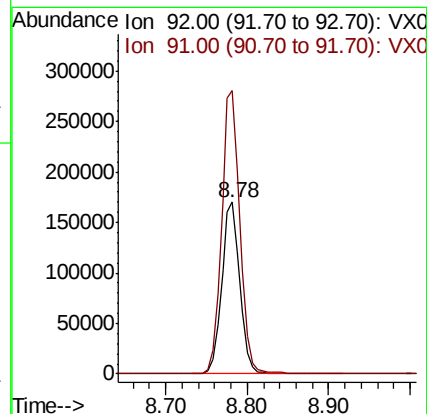
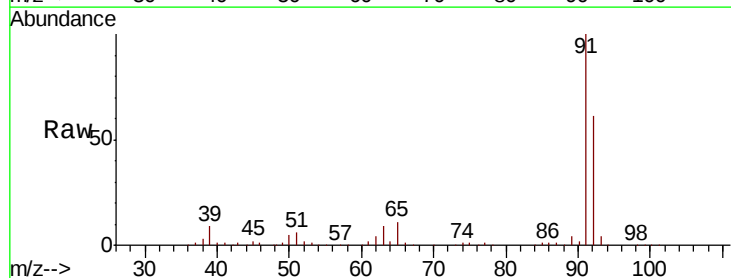
Acq: 08 Oct 2019 19:47

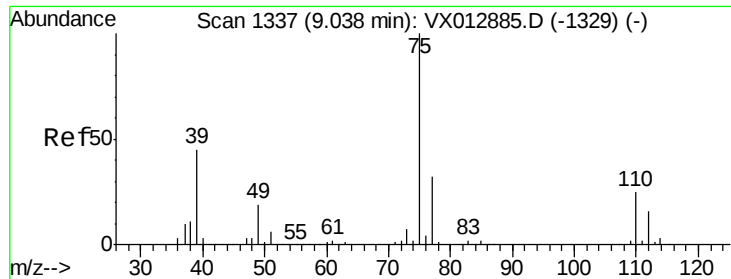
Tgt Ion: 92 Resp: 263787

Ion Ratio Lower Upper

92 100

91 167.2 135.9 203.9





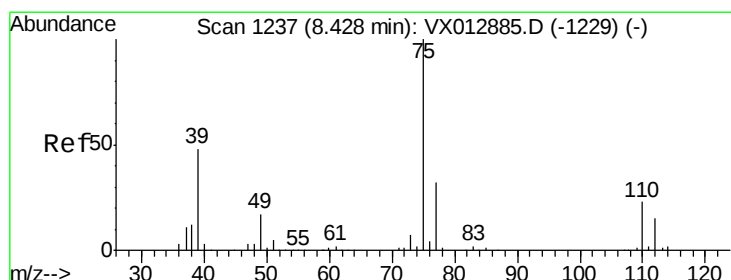
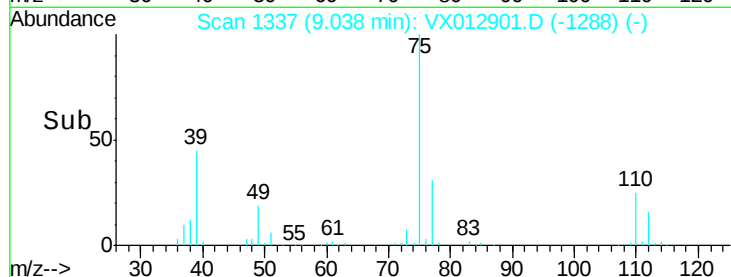
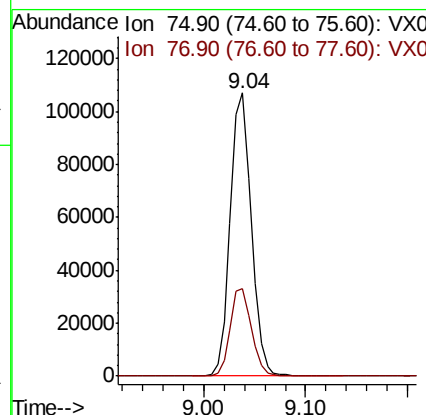
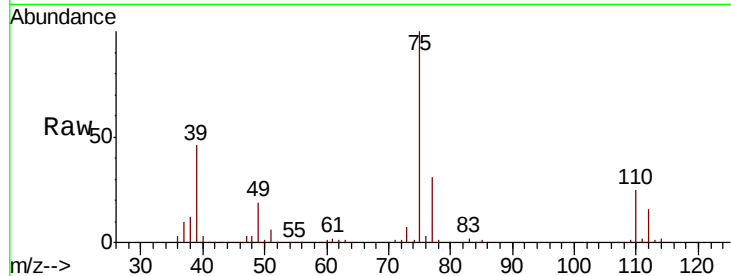
#53  
 t-1,3-Dichloropropene  
 Concen: 47.278 ug/l  
 RT: 9.04 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

Tot Ion: 75 Resp: 153364  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.8 38.6

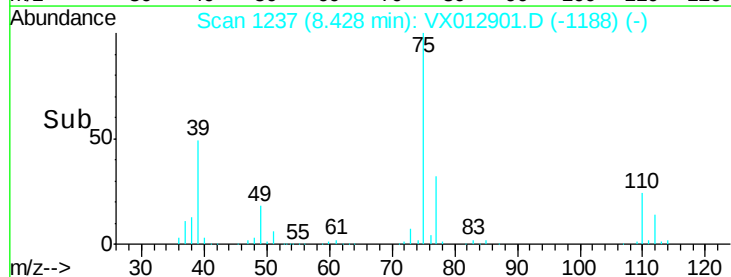
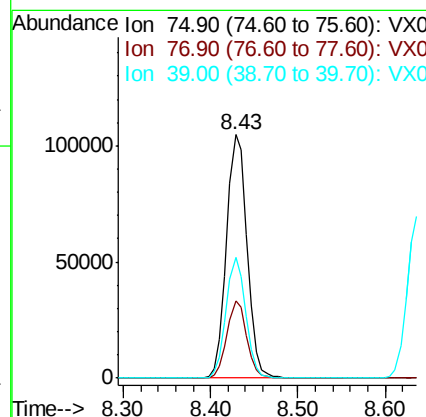
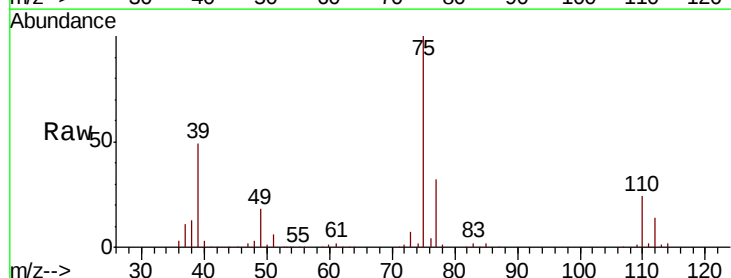
Manual Integrations  
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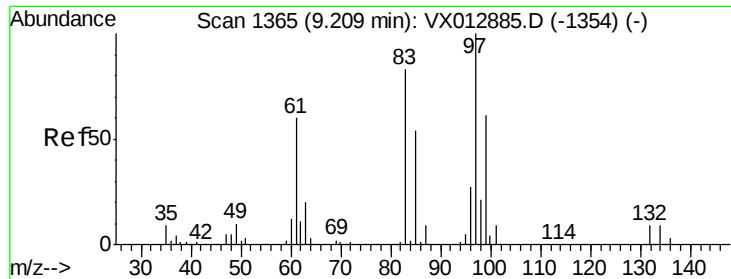
MMDadoda  
 10/9/2019 10:36:20 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.965 ug/l  
 RT: 8.43 min Scan# 1237  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Tgt Ion: 75 Resp: 169773  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.8 38.8  
 39 49.3 38.2 57.2





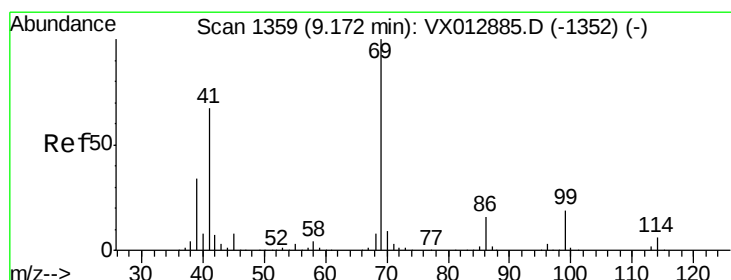
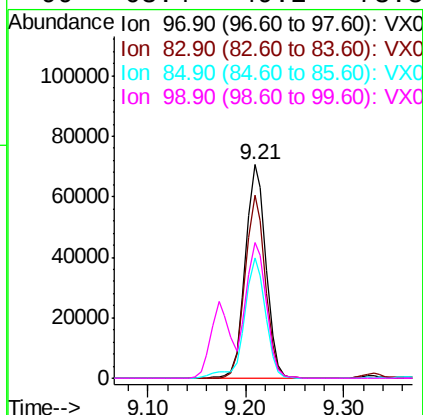
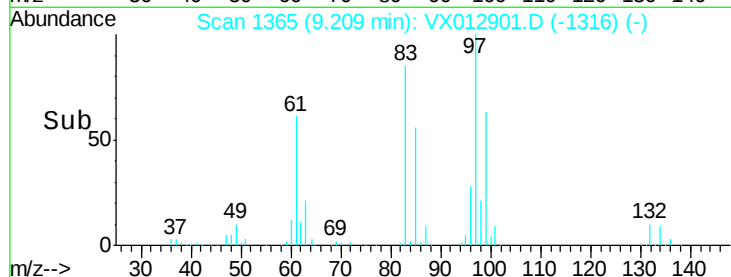
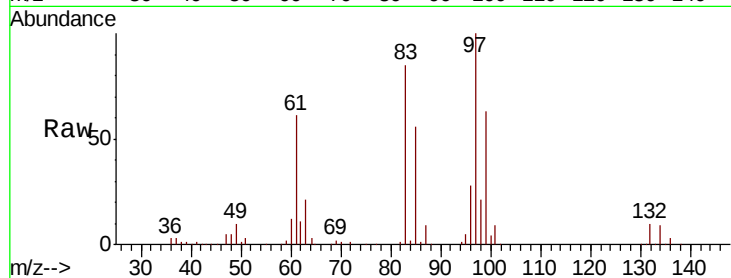
#55  
 1,1,2-Trichloroethane  
 Concen: 51.991 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 97    | Resp: | 103521 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 85.5  | 66.5  | 99.7   |
| 85        | 56.3  | 43.1  | 64.7   |
| 99        | 63.4  | 49.2  | 73.8   |

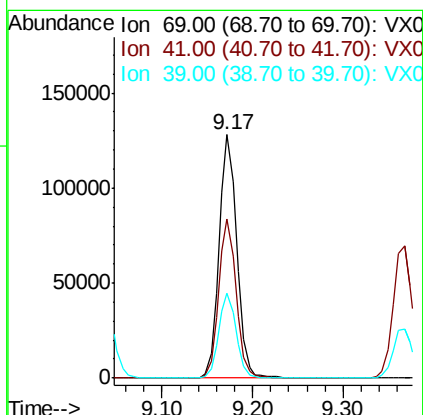
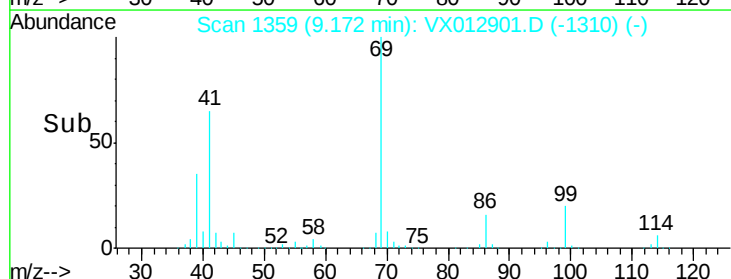
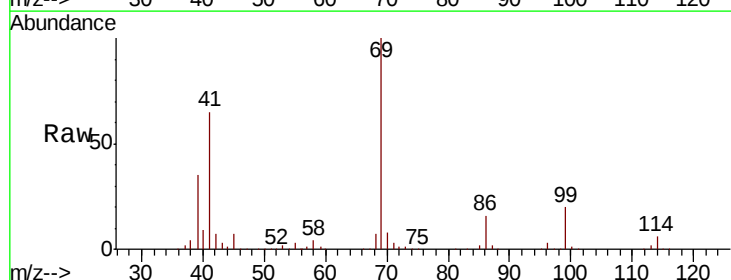
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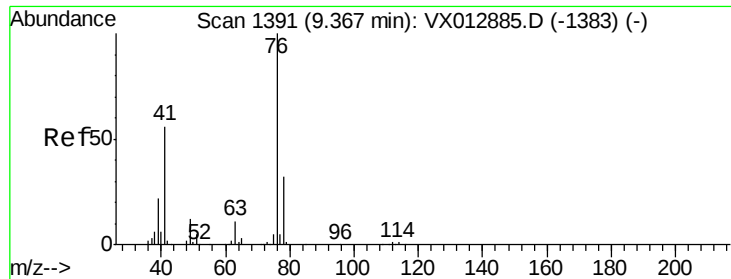
MMDadoda  
 10/9/2019 10:36:20 AM



#56  
 Ethyl methacrylate  
 Concen: 49.257 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 69    | Resp: | 175526 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 64.2  | 52.1  | 78.1   |
| 39        | 34.5  | 27.8  | 41.8   |





#57

1,3-Dichloropropane

Concen: 52.211 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 76 Resp: 179832

Ion Ratio Lower Upper

76 100

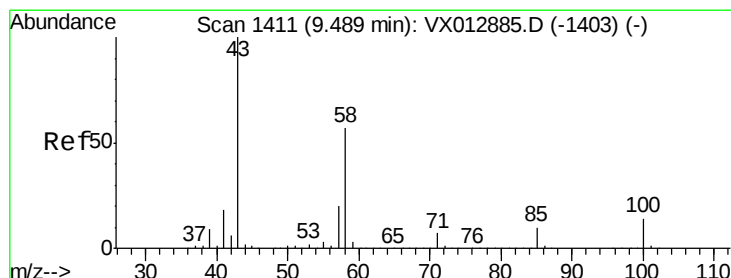
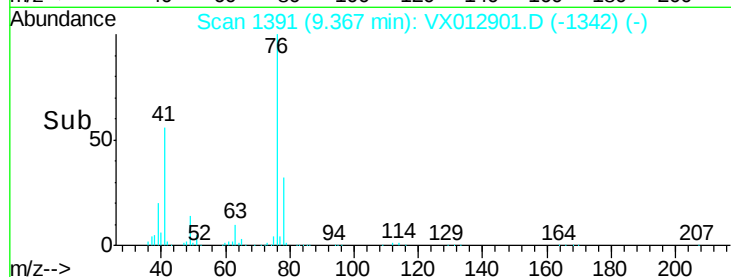
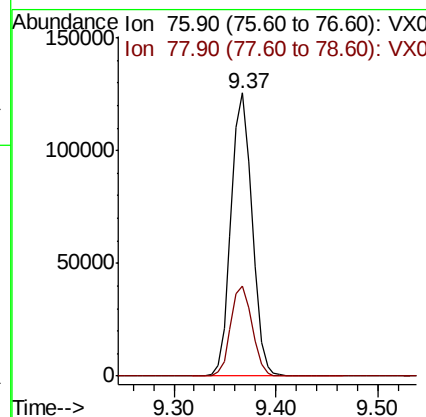
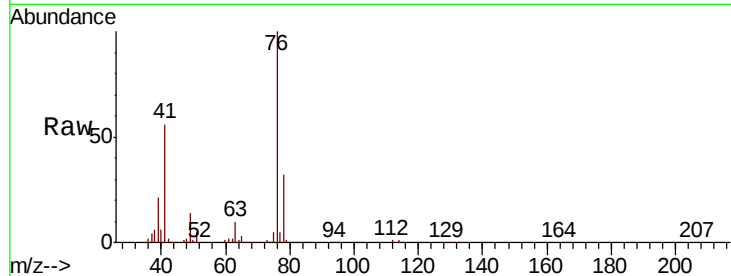
78 32.3 26.1 39.1

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#59

2-Hexanone

Concen: 260.137 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX012901.D

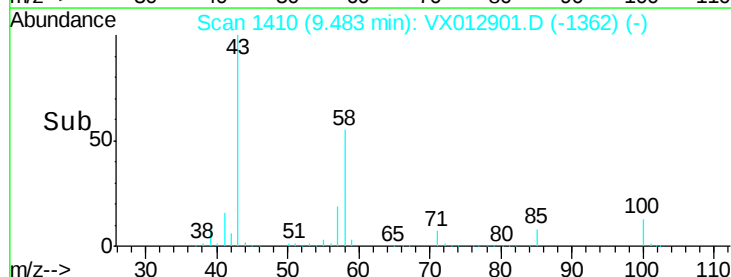
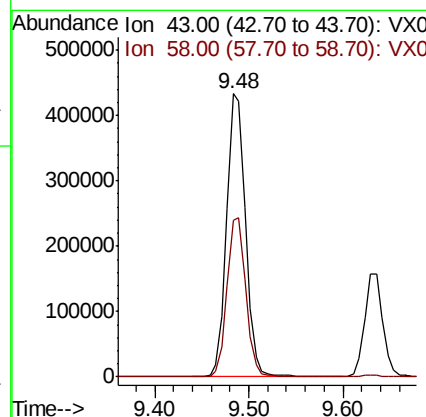
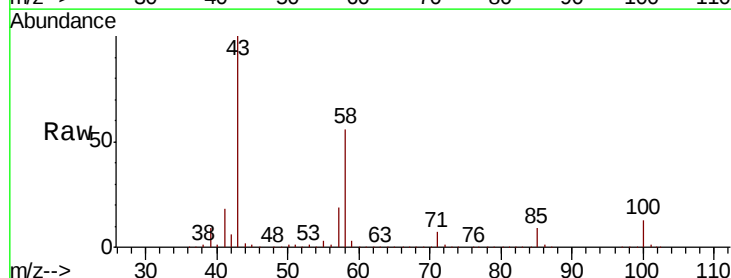
Acq: 08 Oct 2019 19:47

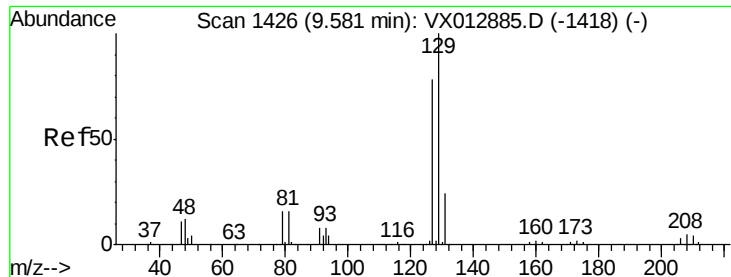
Tgt Ion: 43 Resp: 603366

Ion Ratio Lower Upper

43 100

58 56.2 28.1 84.3





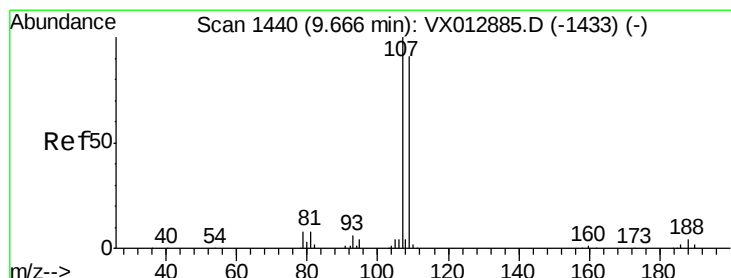
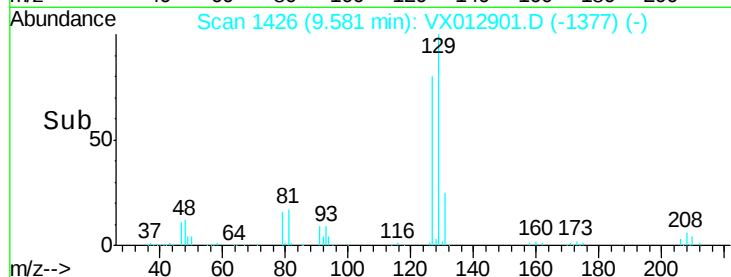
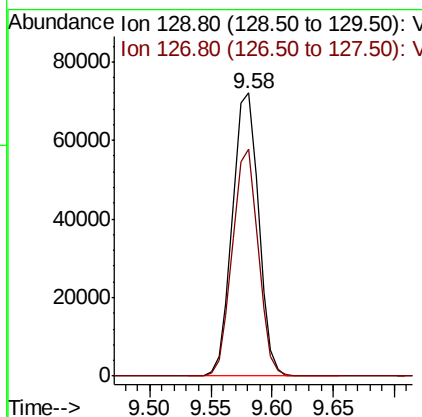
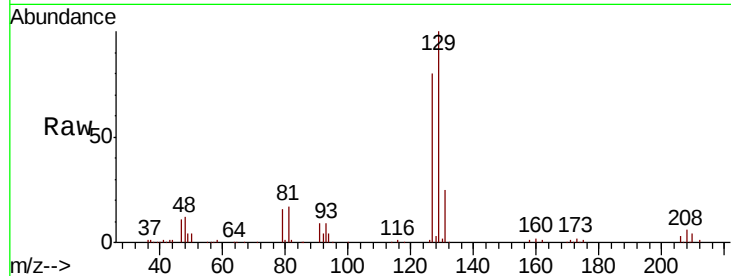
#60  
Dibromochloromethane  
Concen: 48.134 ug/l  
RT: 9.58 min Scan# 1426  
Delta R.T. 0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 79.0  | 38.9  | 116.7 |

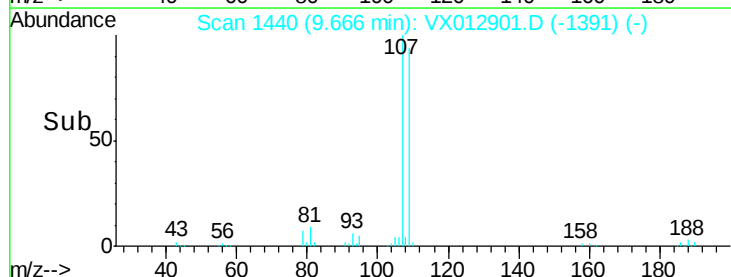
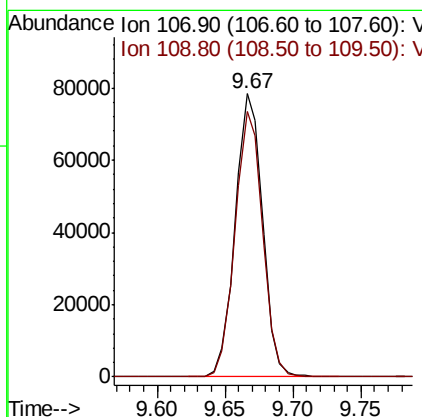
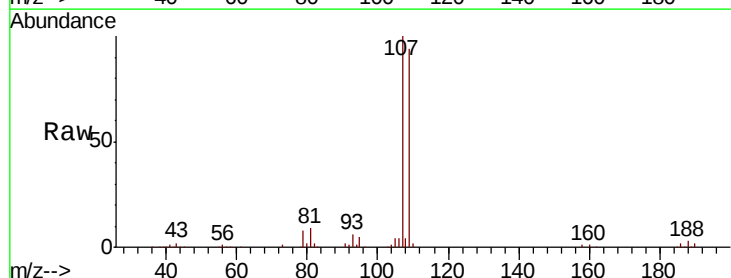
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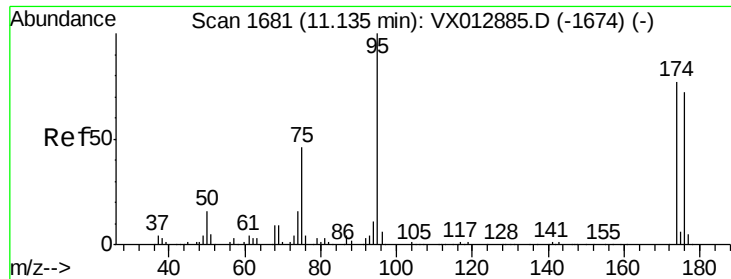
MMDadoda  
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#61  
1,2-Dibromoethane  
Concen: 52.239 ug/l  
RT: 9.67 min Scan# 1440  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.4  | 75.8  | 113.6 |





#62

4-Bromofluorobenzene

Concen: 50.711 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

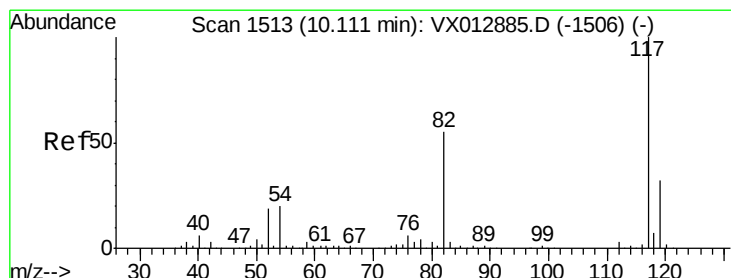
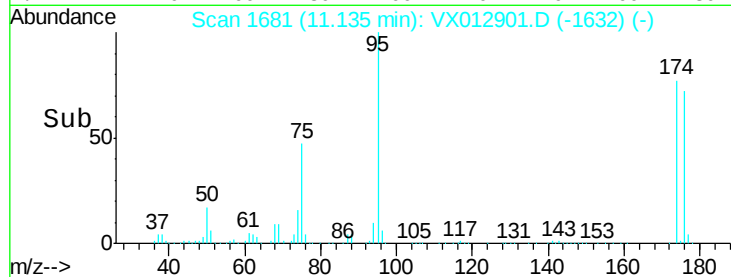
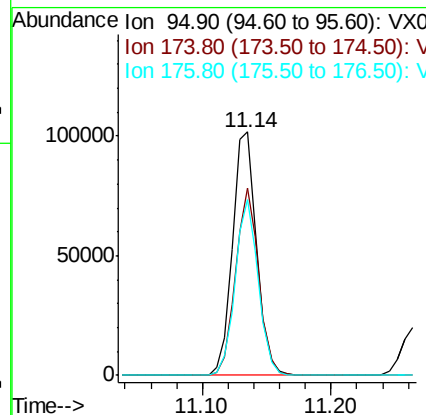
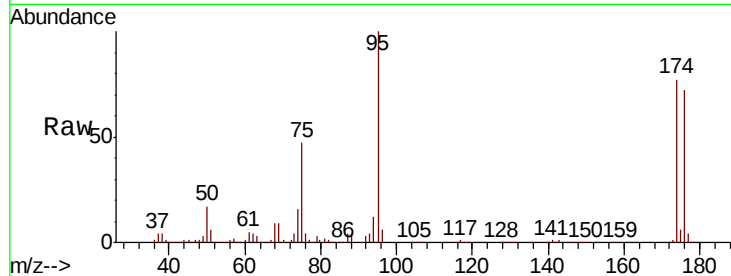
ClientSampleId :

FA19-MMW3414MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 133588 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 73.2  | 0.0   | 143.4  |
| 176       | 68.8  | 0.0   | 136.0  |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

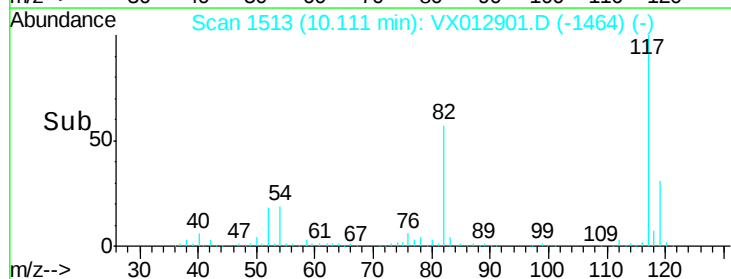
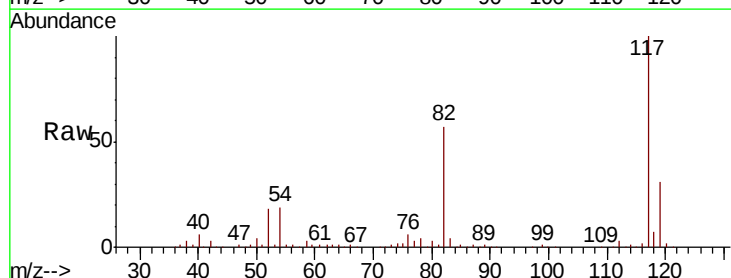
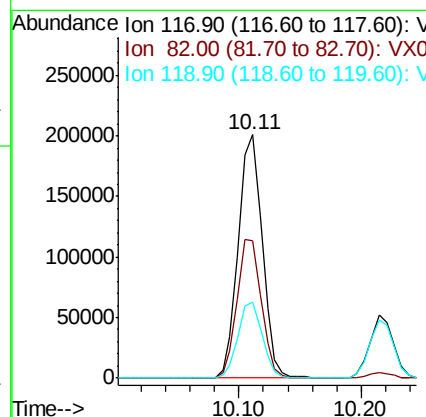
RT: 10.11 min Scan# 1513

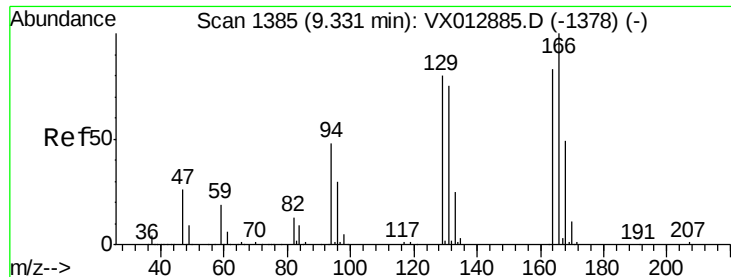
Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 273100 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.6  | 44.1  | 66.1   |
| 119       | 31.3  | 25.8  | 38.8   |





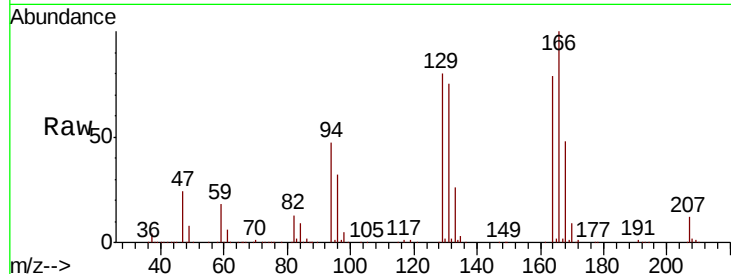
#64  
Tetrachloroethene  
Concen: 46.825 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.9 | 96.9  | 145.3 |
| 129     | 101.3 | 77.9  | 116.9 |
| 131     | 93.8  | 72.7  | 109.1 |

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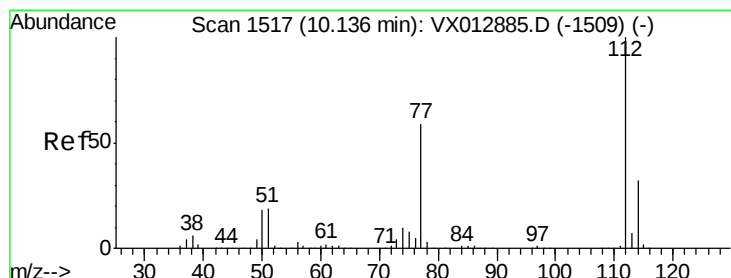
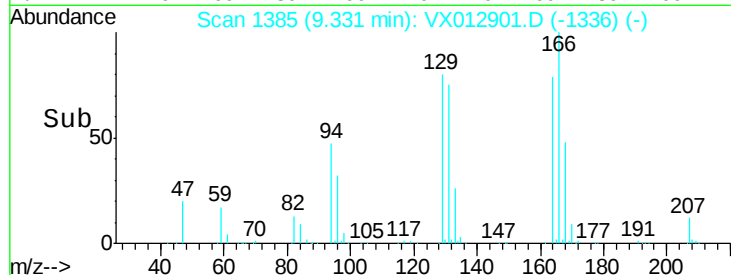
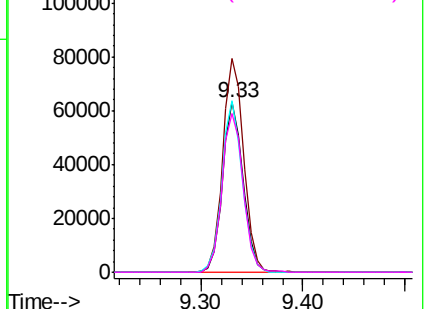
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

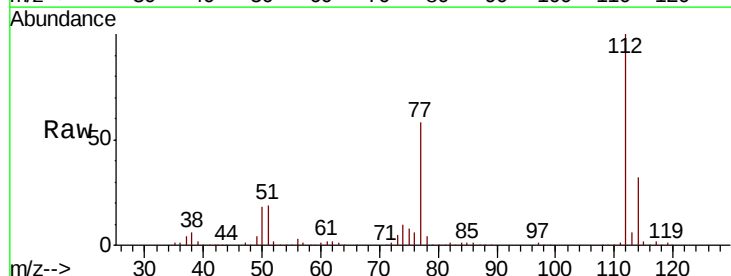
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65  
Chlorobenzene  
Concen: 50.602 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

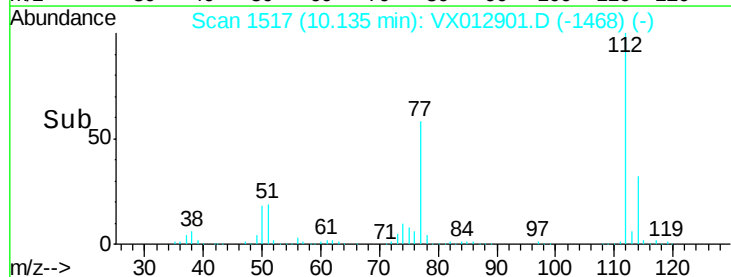
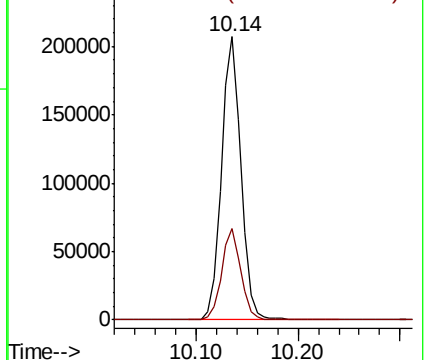
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.1  | 25.7  | 38.5  |

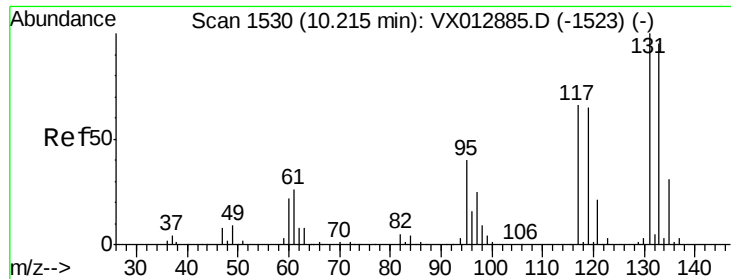


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





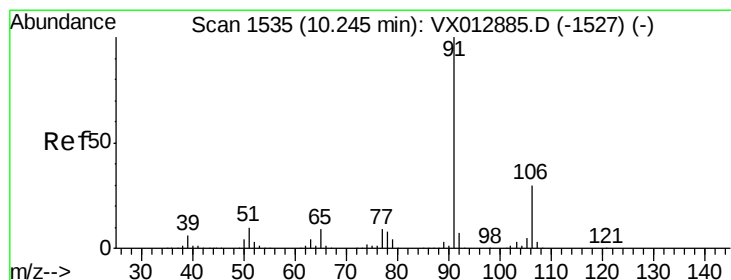
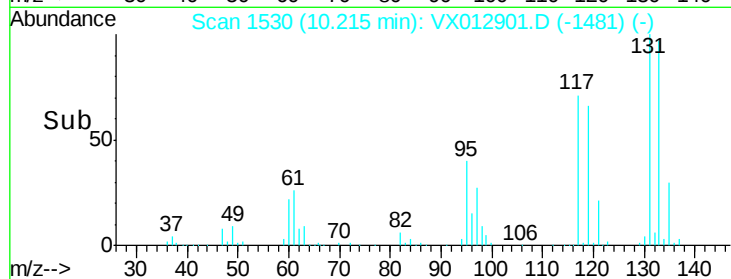
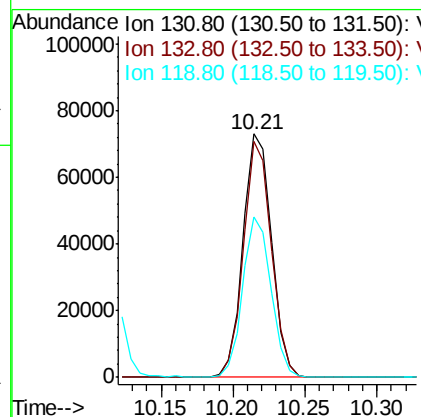
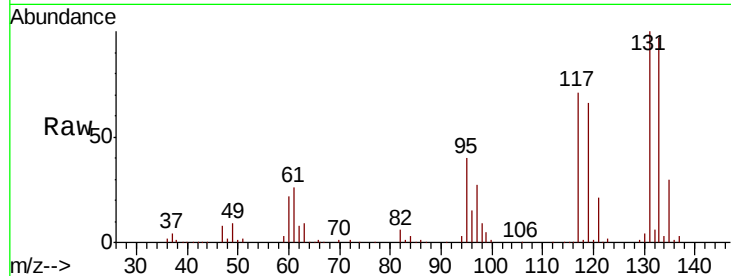
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 53.432 ug/l  
 RT: 10.21 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.8  | 47.2  | 141.6 |
| 119     | 65.1  | 32.6  | 98.0  |

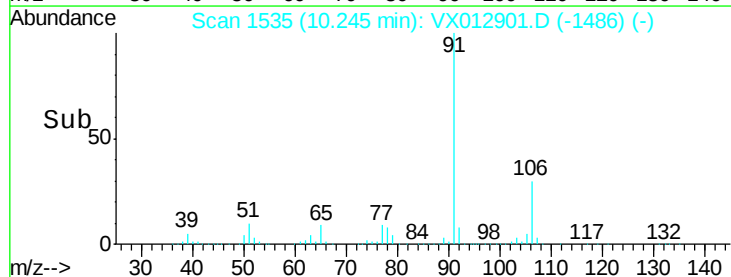
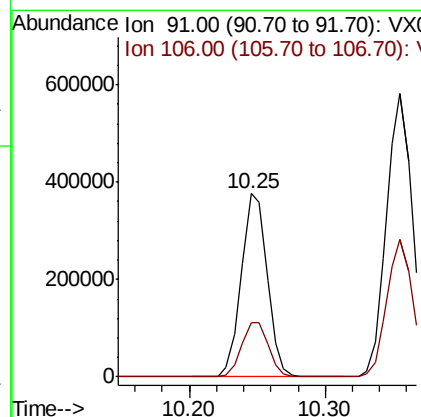
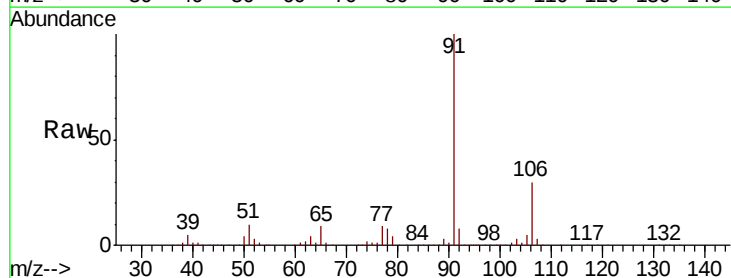
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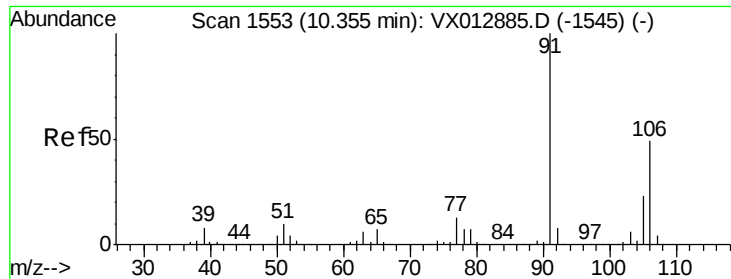
MMDadoda  
 10/9/2019 10:36:20 AM



#67  
 Ethyl Benzene  
 Concen: 52.078 ug/l  
 RT: 10.25 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.6  | 23.9  | 35.9  |





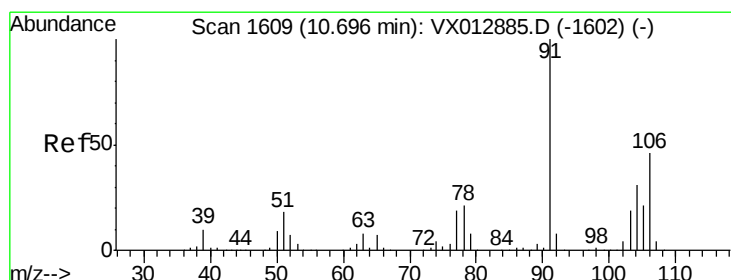
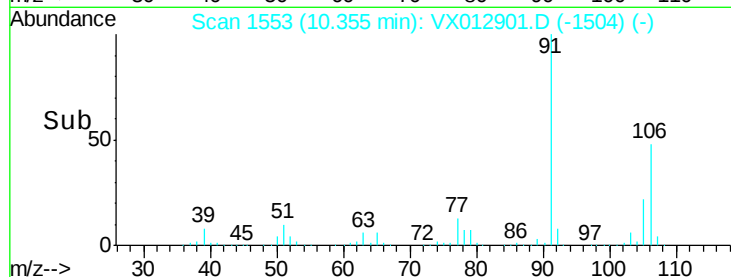
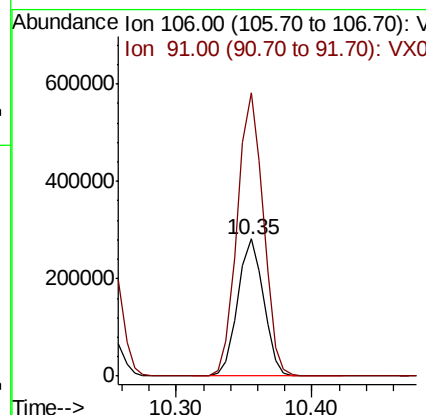
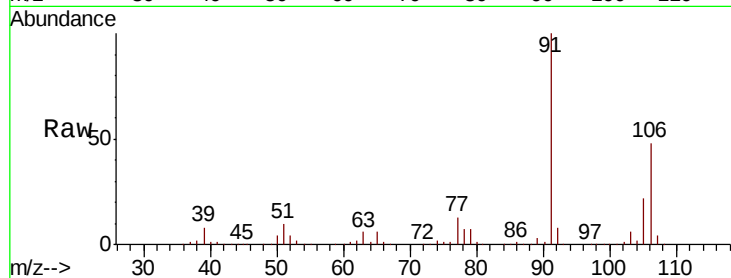
#68  
m/p-Xylenes  
Concen: 104.581 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

Tot Ion:106 Resp: 376374  
Ion Ratio Lower Upper  
106 100  
91 207.1 165.3 247.9

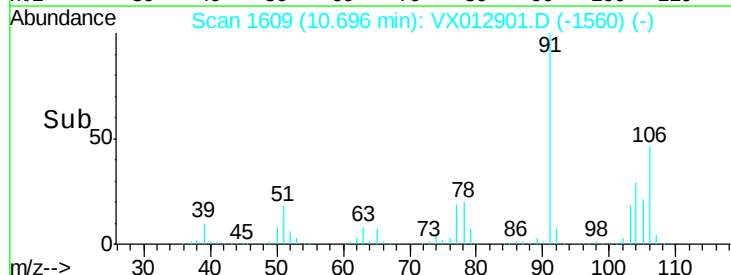
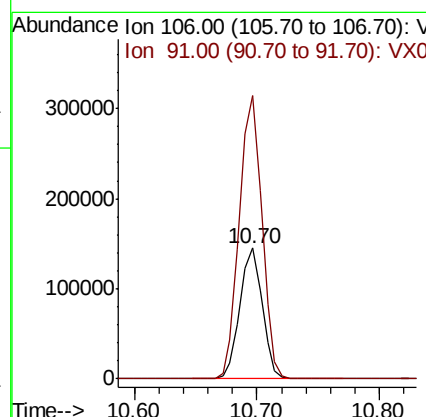
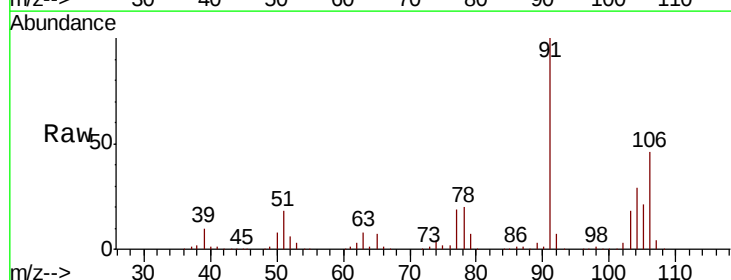
Manual Integrations  
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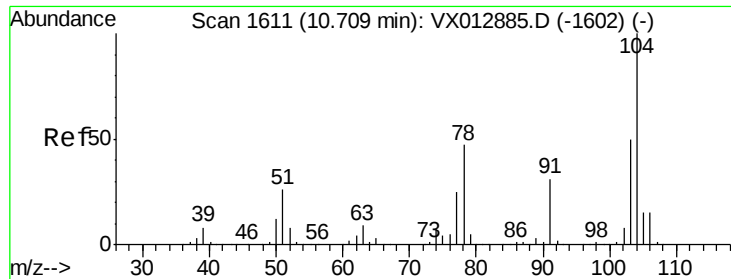
MMDadoda  
10/9/2019 10:36:20 AM



#69  
o-Xylene  
Concen: 52.156 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Tgt Ion:106 Resp: 183042  
Ion Ratio Lower Upper  
106 100  
91 219.6 109.1 327.3





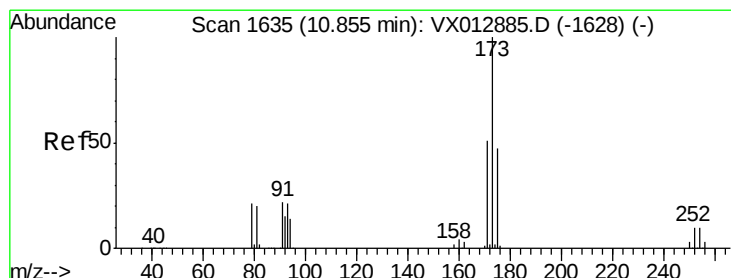
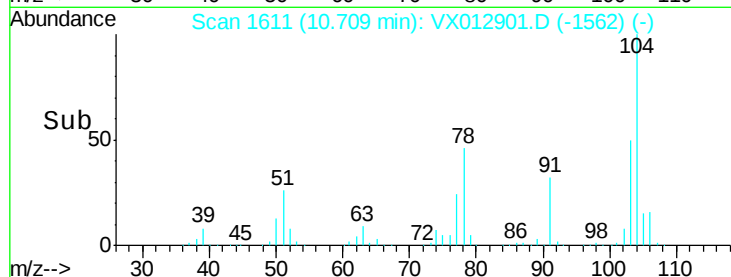
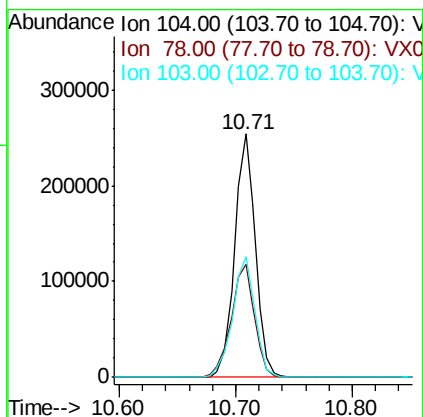
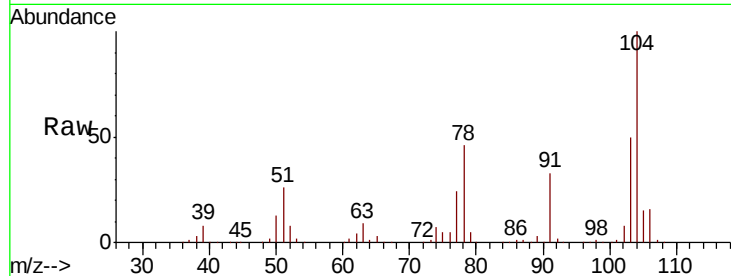
#70  
Stvrene  
Concen: 52.802 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.2  | 41.2  | 61.8  |
| 103     | 53.7  | 43.0  | 64.4  |

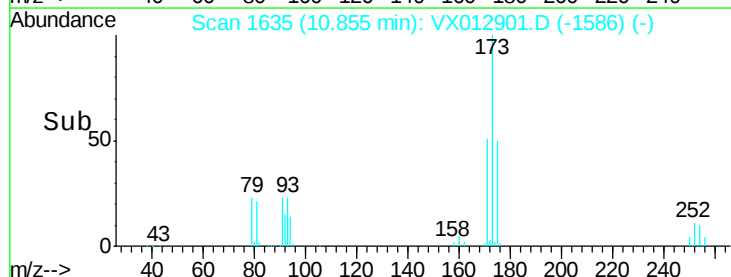
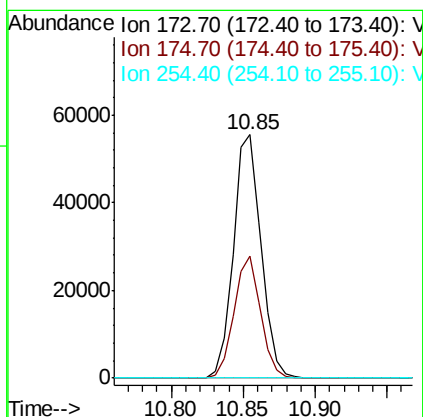
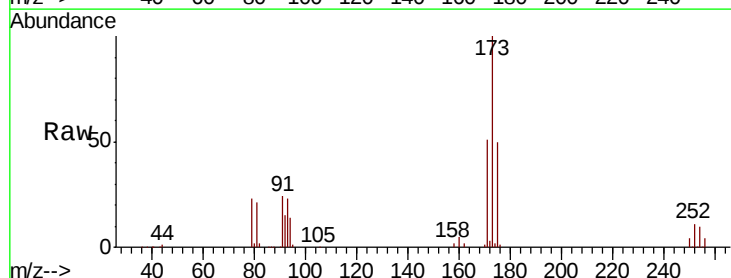
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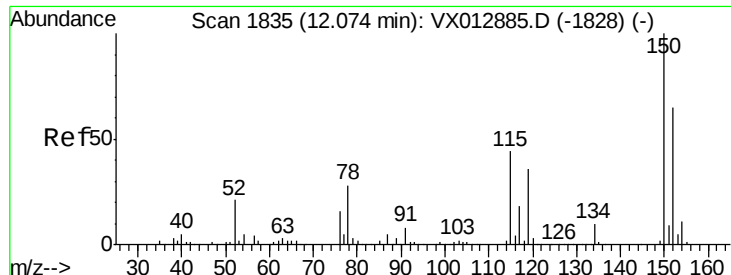
MMDadoda  
10/9/2019 10:36:20 AM



#71  
Bromoform  
Concen: 46.711 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.2  | 24.1  | 72.3  |
| 254     | 0.1   | 0.1   | 0.1   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion:152 Resp: 124749

Ion Ratio Lower Upper

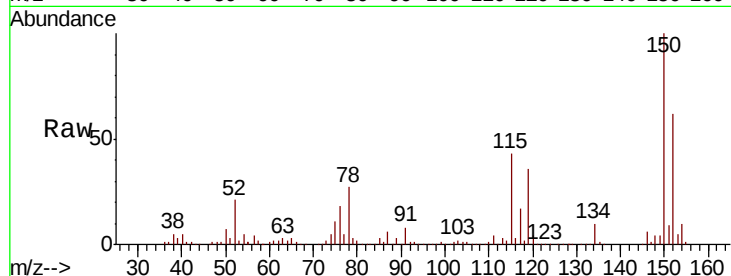
152 100

115 89.0 44.5 133.5

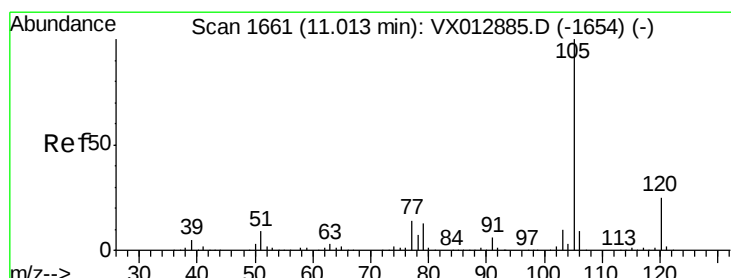
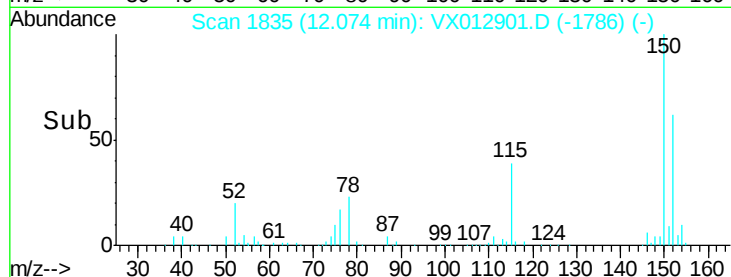
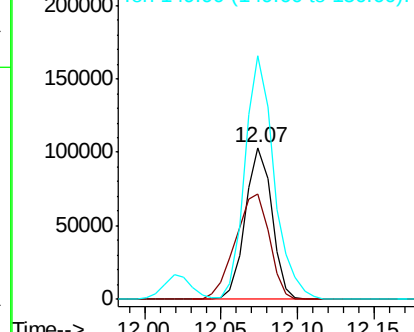
150 175.9 0.0 353.4

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Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.996 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012901.D

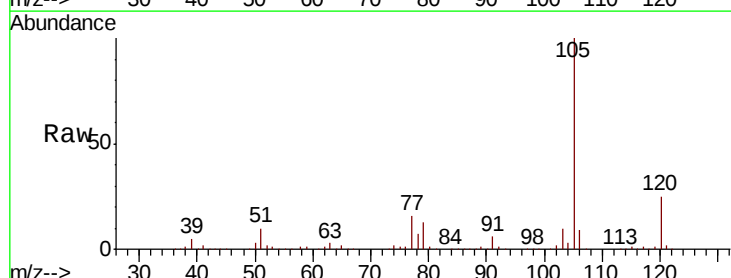
Acq: 08 Oct 2019 19:47

Tgt Ion:105 Resp: 486066

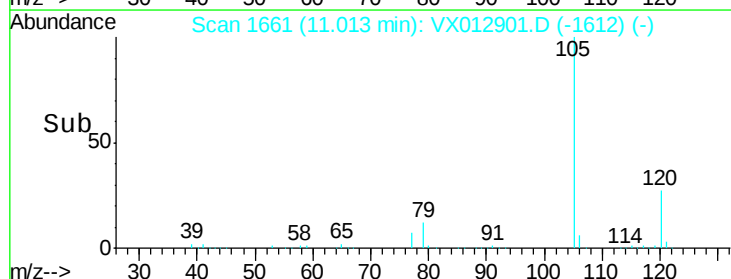
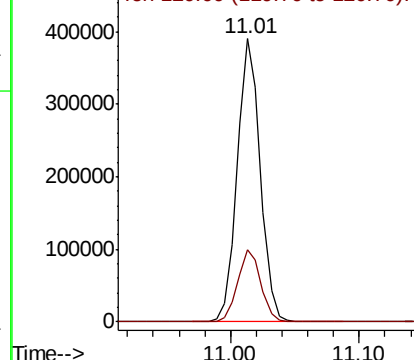
Ion Ratio Lower Upper

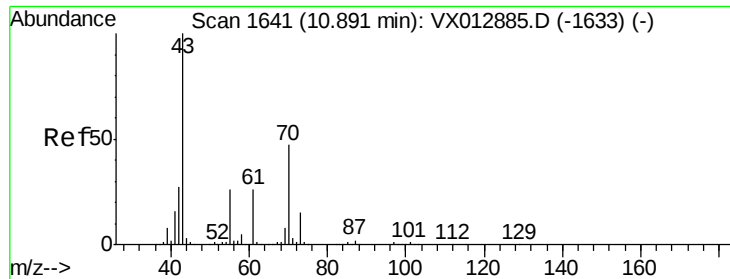
105 100

120 25.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 53.601 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

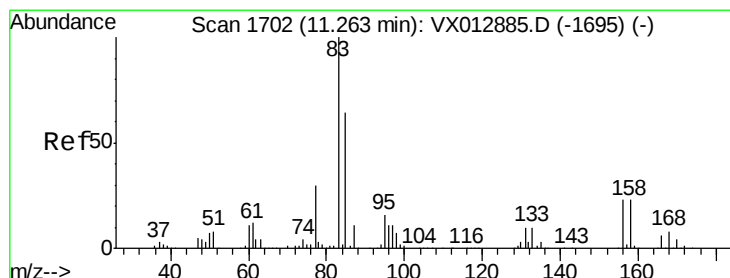
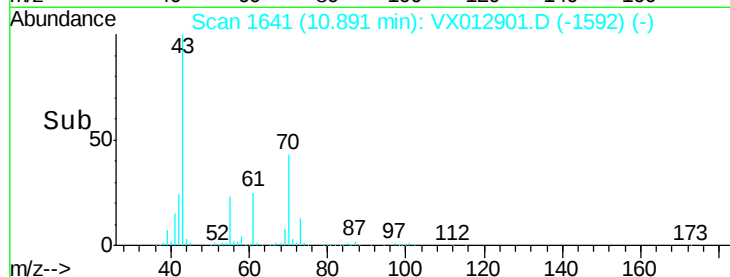
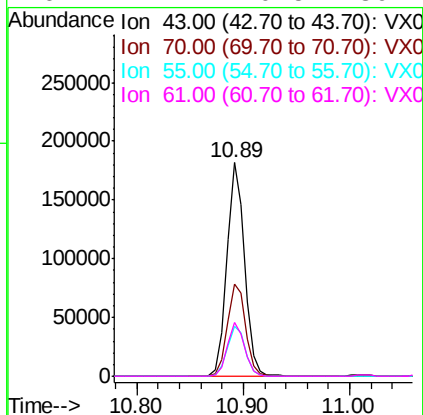
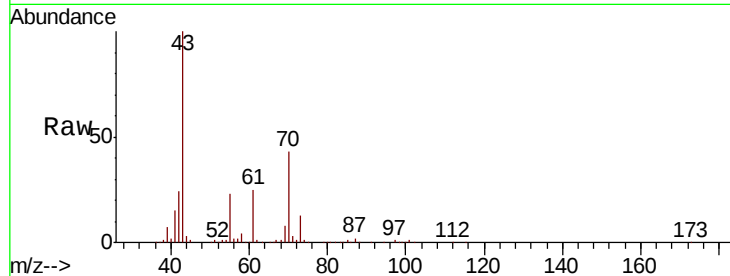
ClientSampleId :

FA19-MMW3414MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 70      | 45.0 | 36.4  | 54.6  |       |
| 55      | 24.0 | 20.2  | 30.2  |       |
| 61      | 24.7 | 20.5  | 30.7  |       |

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#75

1,1,2,2-Tetrachloroethane

Concen: 53.196 ug/l

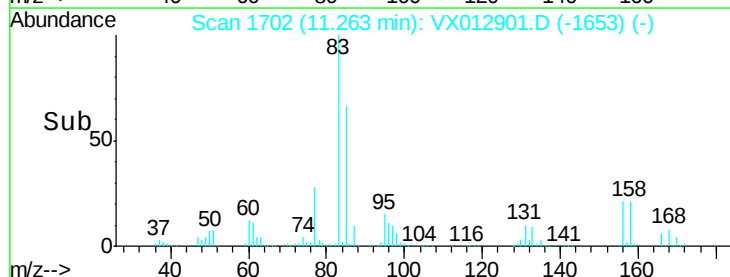
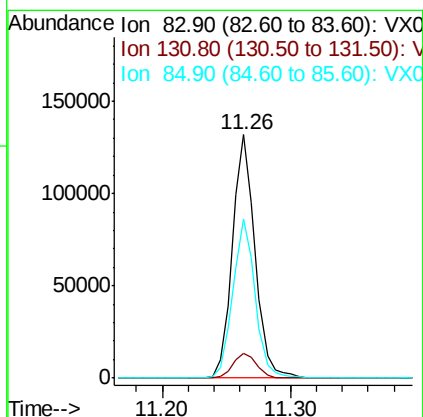
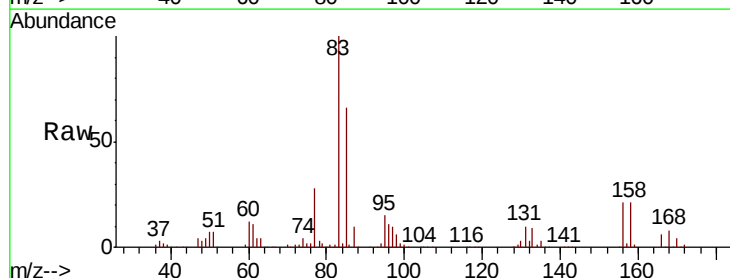
RT: 11.26 min Scan# 1702

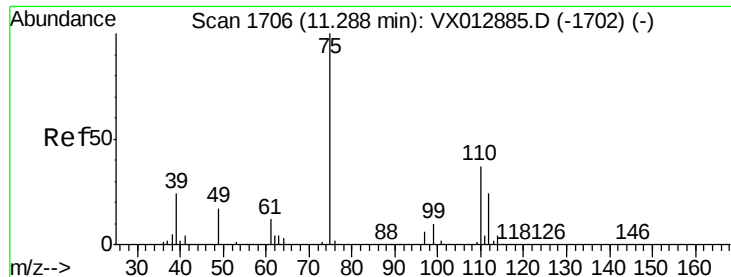
Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 83      | 100  |       |       |       |
| 131     | 10.6 | 5.1   | 15.3  |       |
| 85      | 64.6 | 32.1  | 96.5  |       |





#76

1,2,3-Trichloropropane

Concen: 55.479 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 75 Resp: 153506

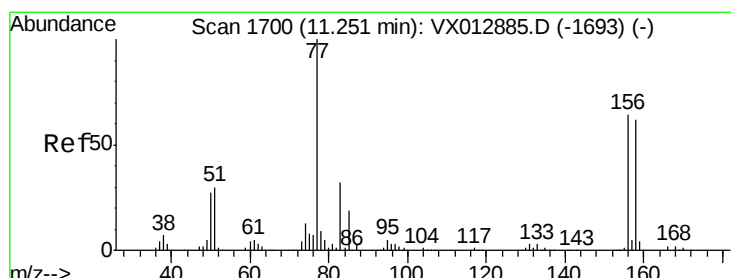
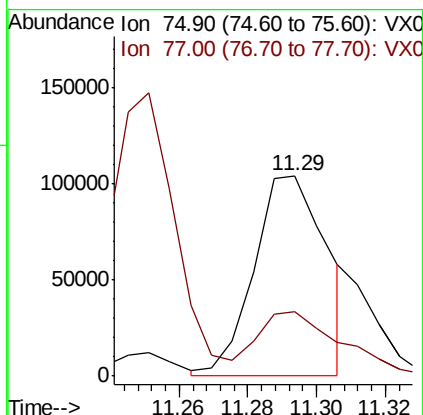
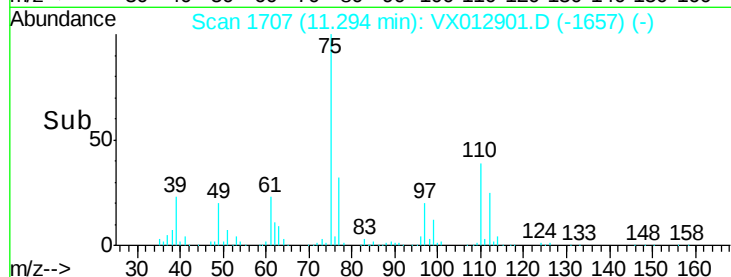
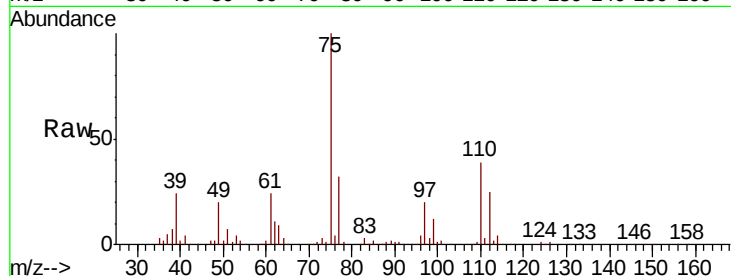
Ion Ratio Lower Upper

75 100

77 37.4 22.9 68.8

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#77

Bromobenzene

Concen: 51.240 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

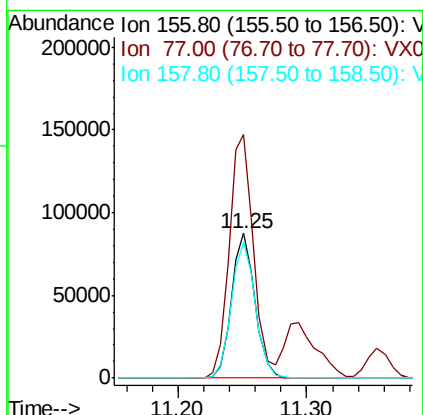
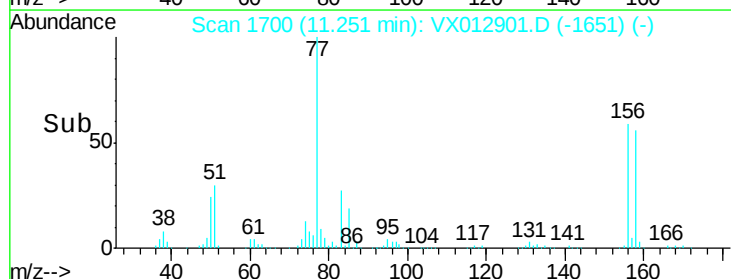
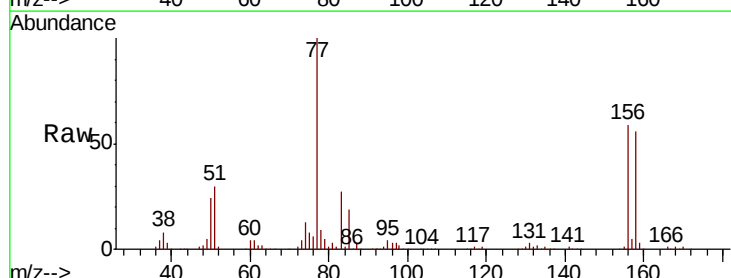
Tgt Ion: 156 Resp: 110745

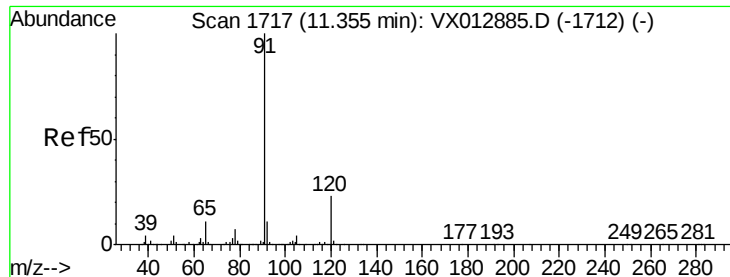
Ion Ratio Lower Upper

156 100

77 175.6 83.7 251.0

158 96.7 48.6 145.9





#78

n-propylbenzene

Concen: 53.803 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 91 Resp: 543002

Ion Ratio Lower Upper

91 100

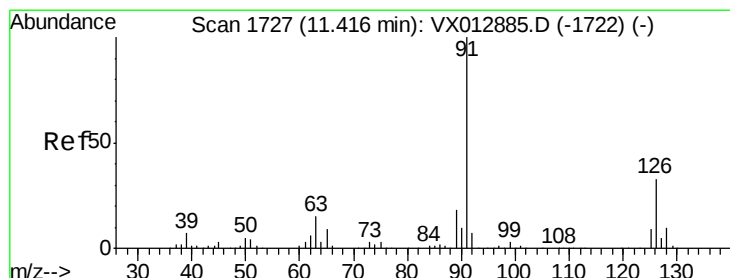
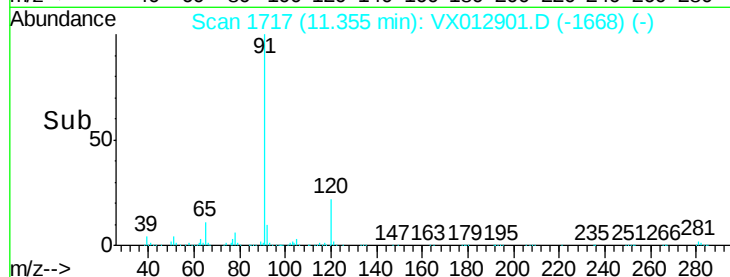
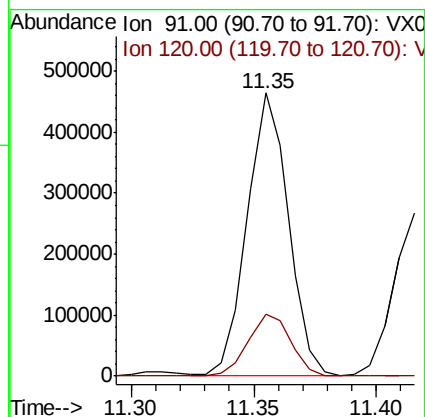
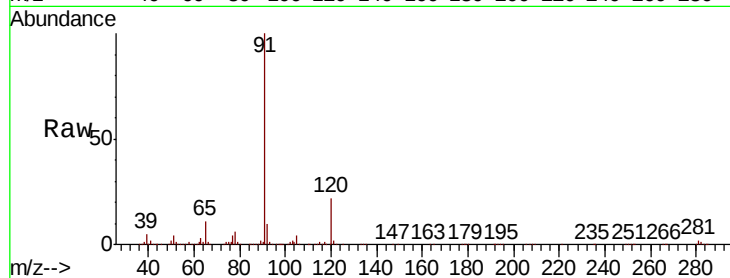
120 22.8 11.7 35.1

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#79

2-Chlorotoluene

Concen: 52.893 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012901.D

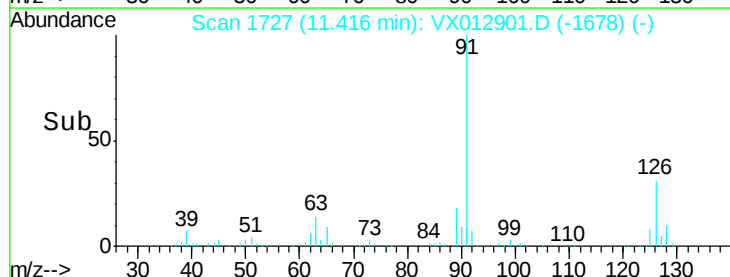
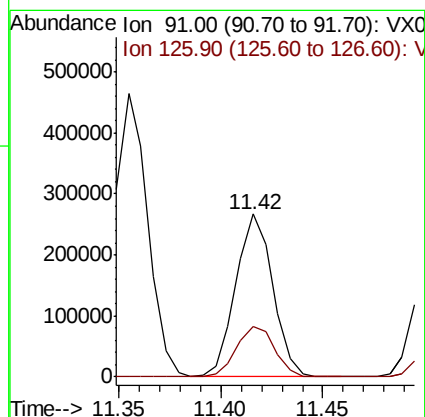
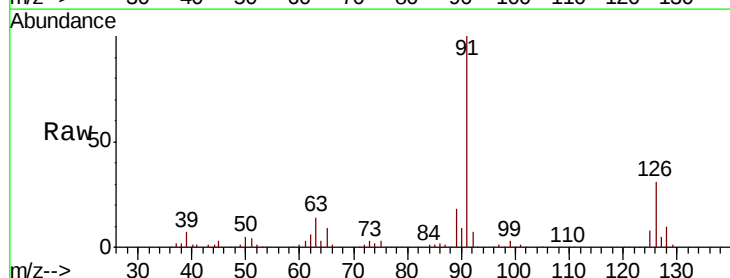
Acq: 08 Oct 2019 19:47

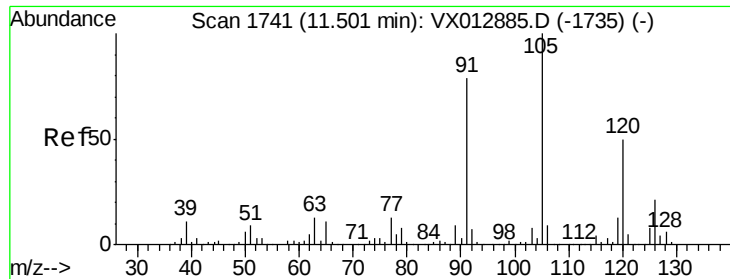
Tgt Ion: 91 Resp: 335484

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8





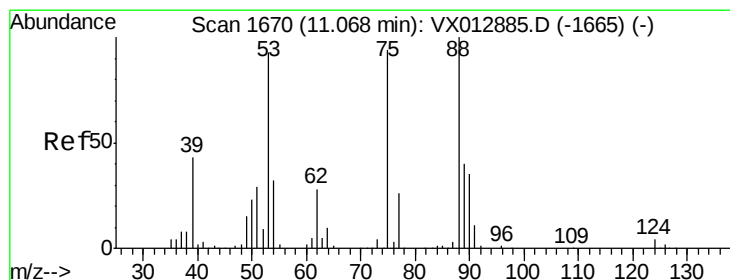
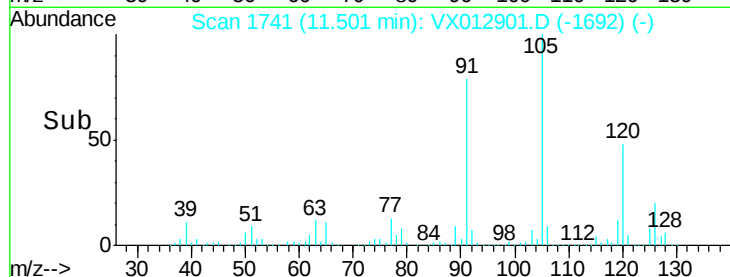
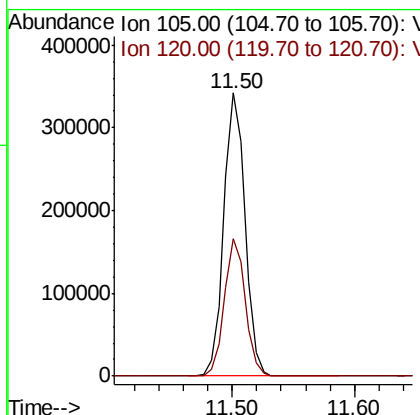
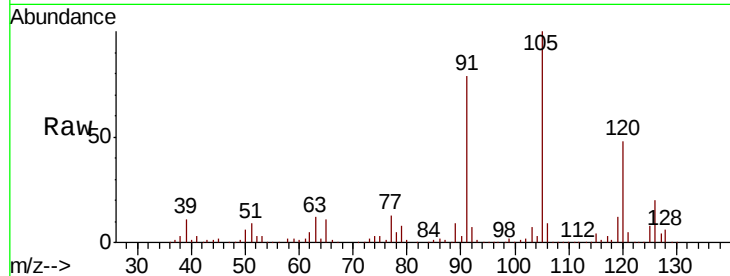
#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.651 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.6  | 24.8  | 74.3  |

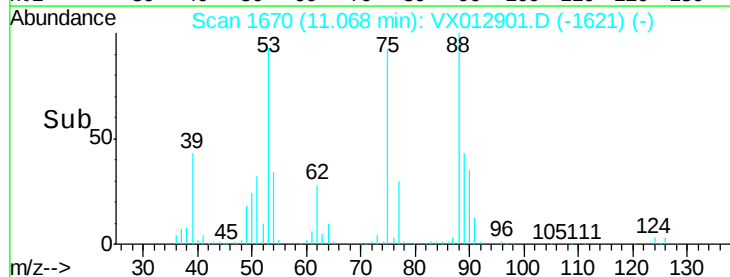
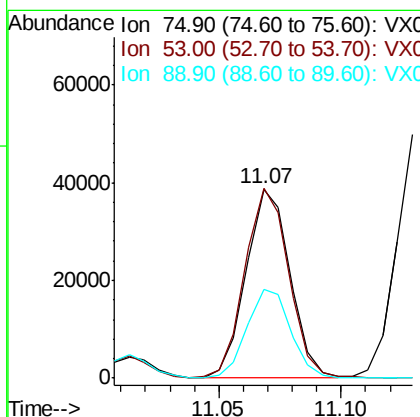
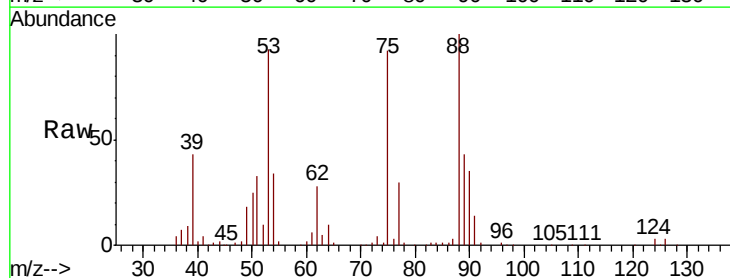
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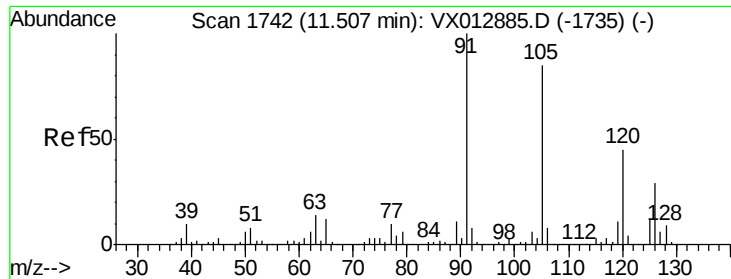
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#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 45.145 ug/l  
 RT: 11.07 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 101.7 | 78.5  | 117.7 |
| 89      | 47.4  | 37.4  | 56.2  |





#82

4-Chlorotoluene

Concen: 52.818 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 91 Resp: 383987

Ion Ratio Lower Upper

91 100

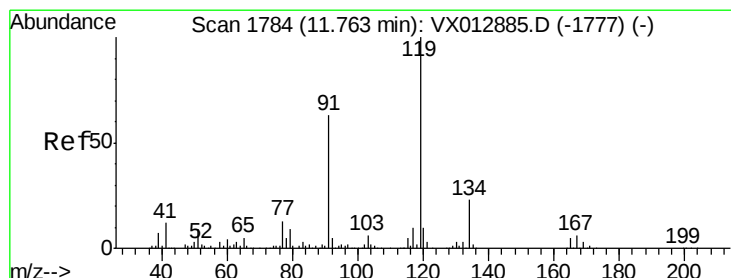
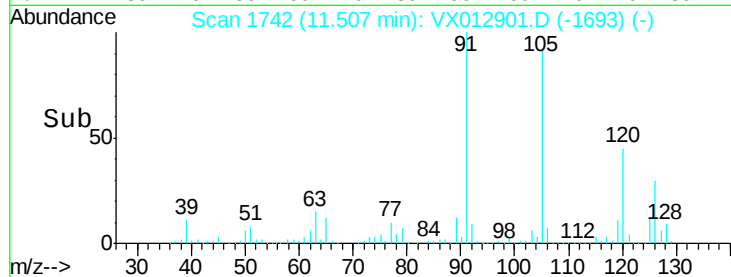
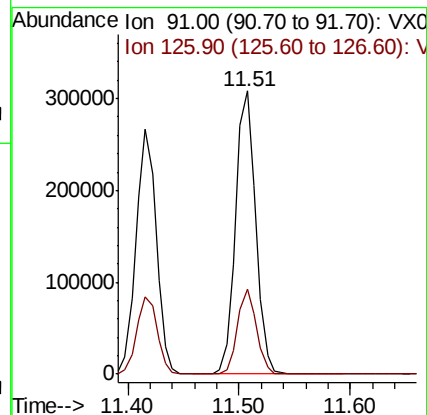
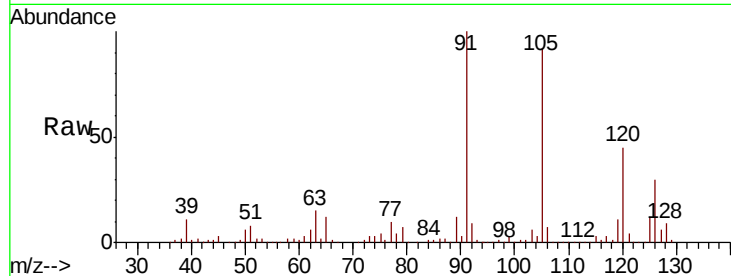
126 28.5 14.2 42.6

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#83

tert-Butylbenzene

Concen: 53.832 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

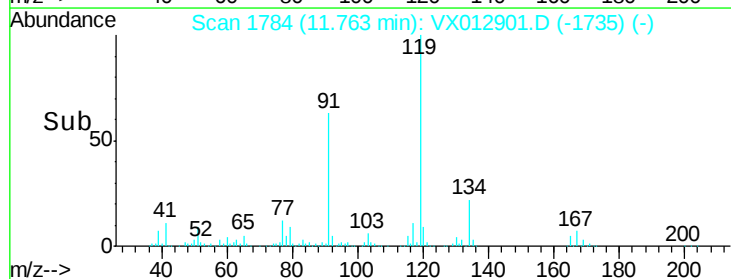
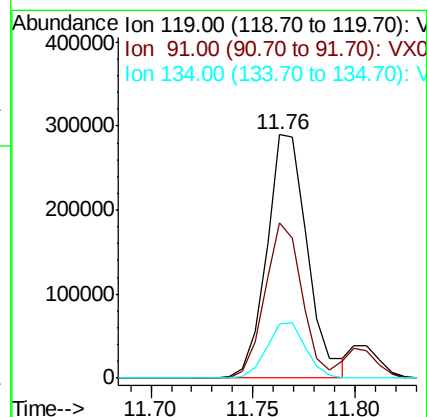
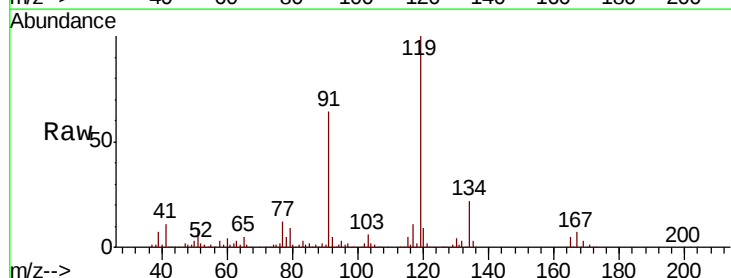
Tgt Ion: 119 Resp: 402168

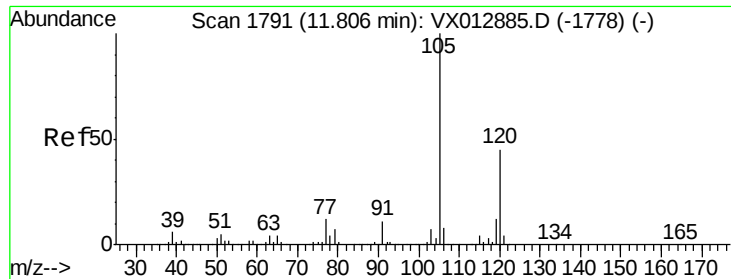
Ion Ratio Lower Upper

119 100

91 58.2 29.3 87.9

134 21.9 11.5 34.4





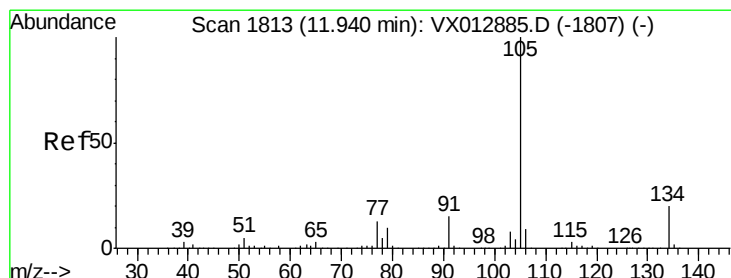
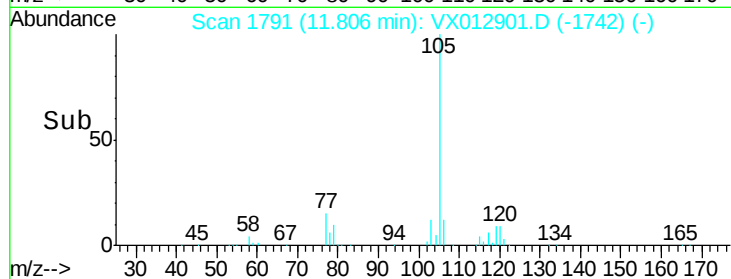
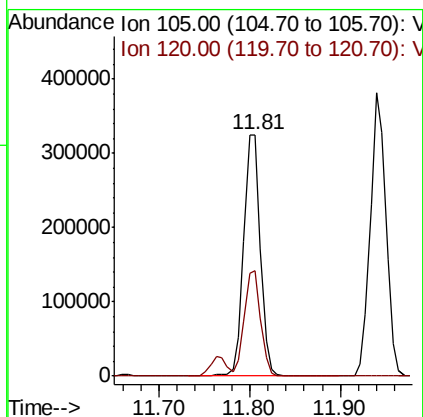
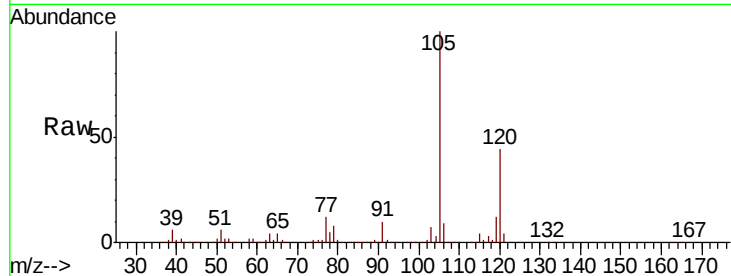
#84  
1,2,4-Trimethylbenzene  
Concen: 53.442 ug/l  
RT: 11.81 min Scan# 1791  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 42.8  | 21.8  | 65.3  |

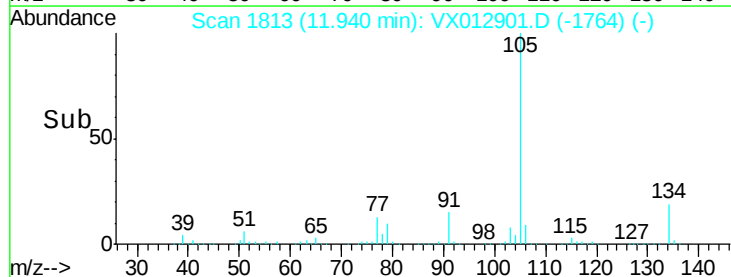
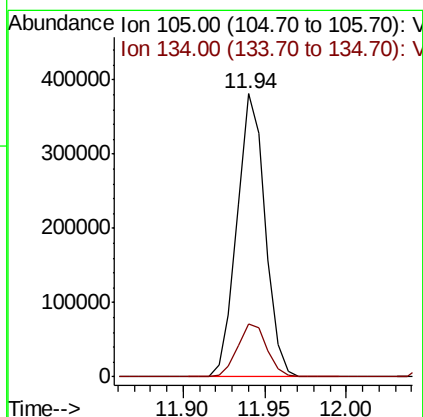
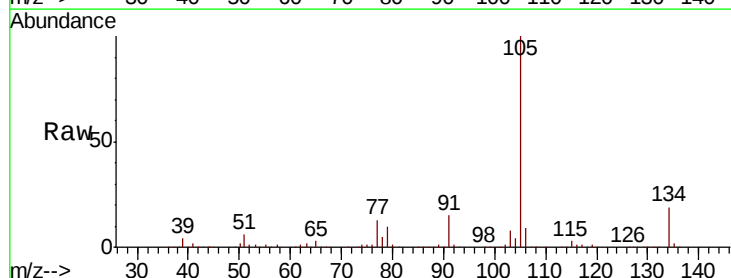
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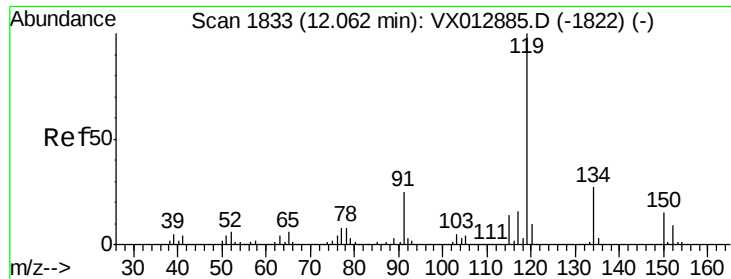
MMDadoda  
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#85  
sec-Butylbenzene  
Concen: 52.918 ug/l  
RT: 11.94 min Scan# 1813  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 10.0  | 30.0  |





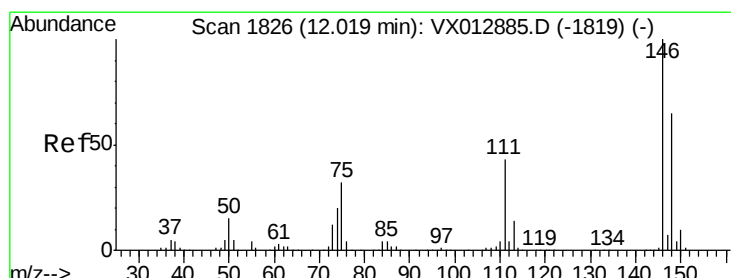
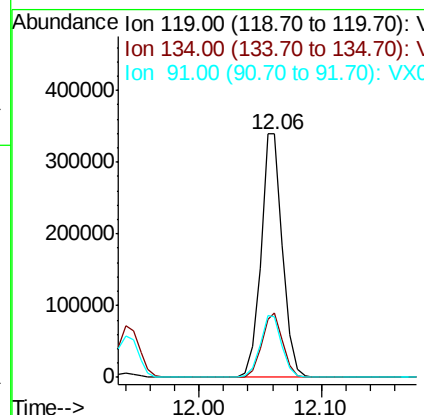
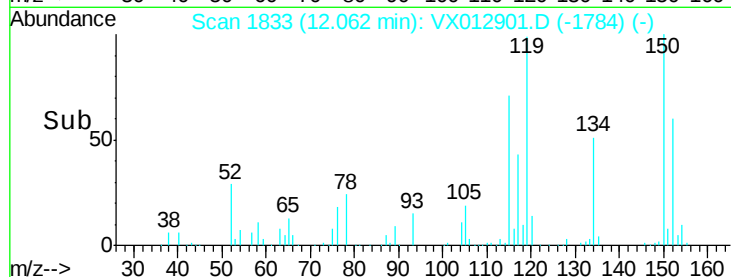
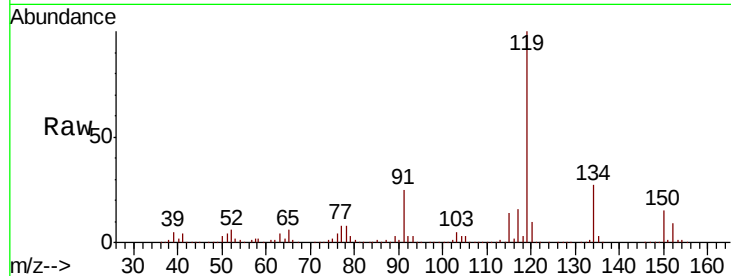
#86  
p-Isopropyltoluene  
Concen: 52.007 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.0  | 12.6  | 37.8  |
| 91      | 25.6  | 12.4  | 37.4  |

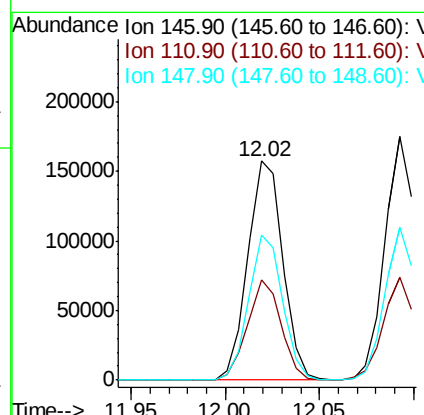
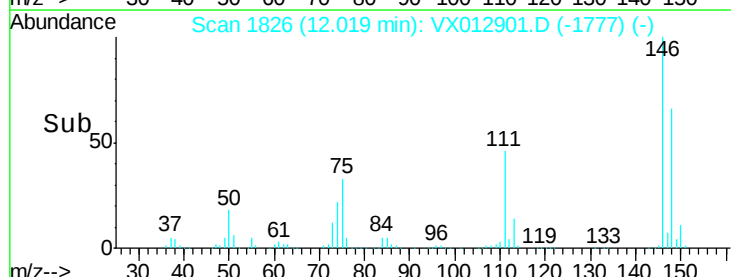
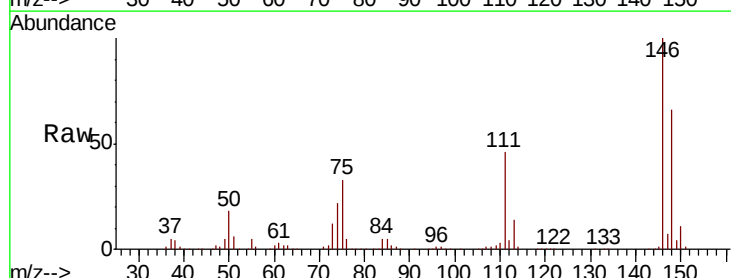
Manual Integrations  
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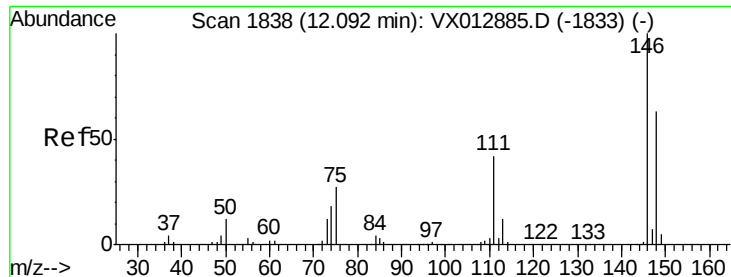
MMDadoda  
10/9/2019 10:36:20 AM



#87  
1,3-Dichlorobenzene  
Concen: 50.542 ug/l  
RT: 12.02 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.0  | 21.1  | 63.4  |
| 148     | 64.3  | 31.6  | 95.0  |





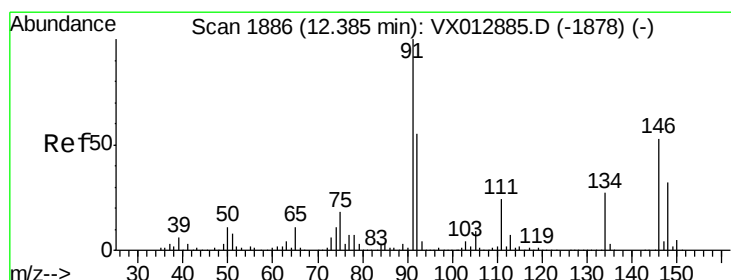
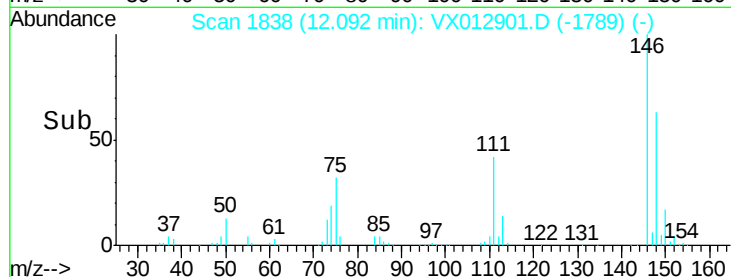
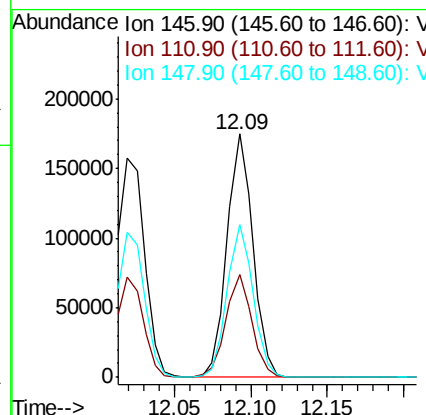
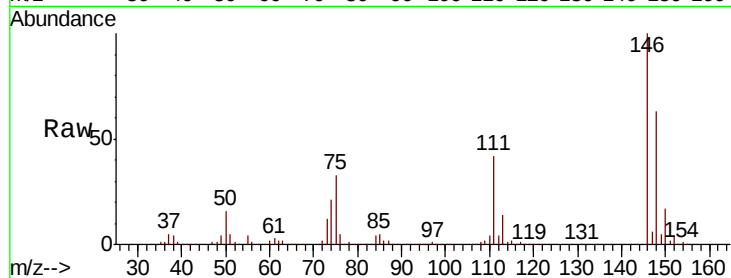
#88  
 1,4-Dichlorobenzene  
 Concen: 50.328 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 21.4  | 64.3  |
| 148     | 63.1  | 32.1  | 96.5  |

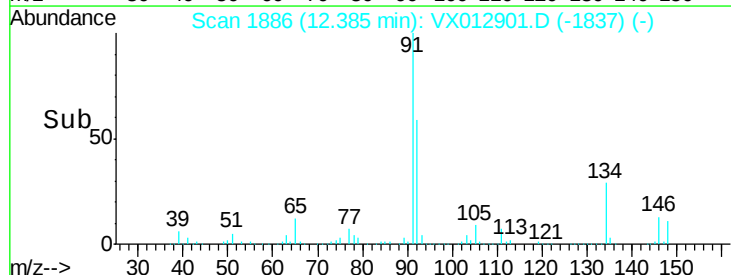
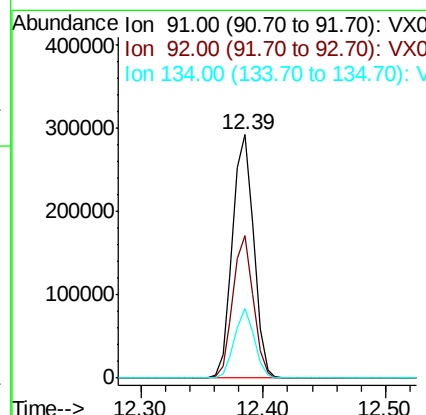
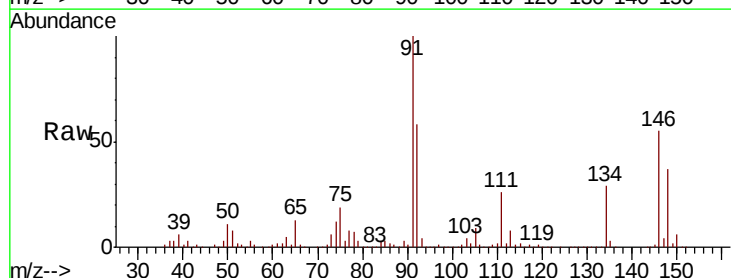
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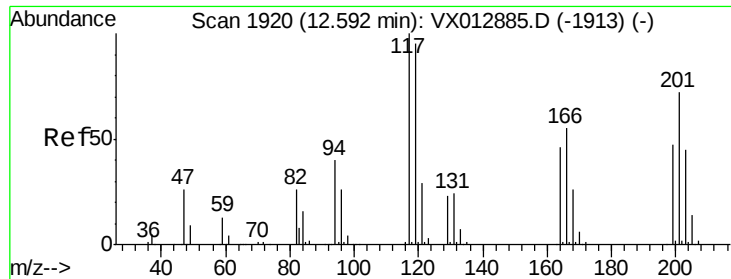
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#89  
 n-Butylbenzene  
 Concen: 51.820 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.5  | 27.5  | 82.5  |
| 134     | 26.7  | 12.9  | 38.7  |





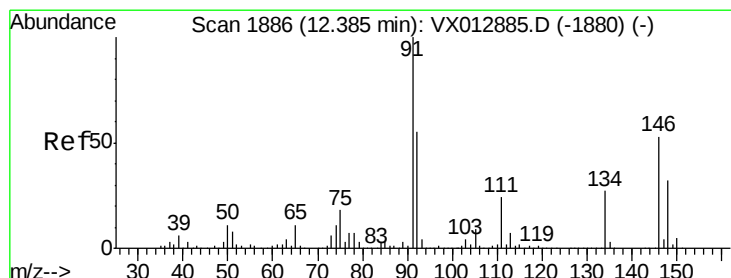
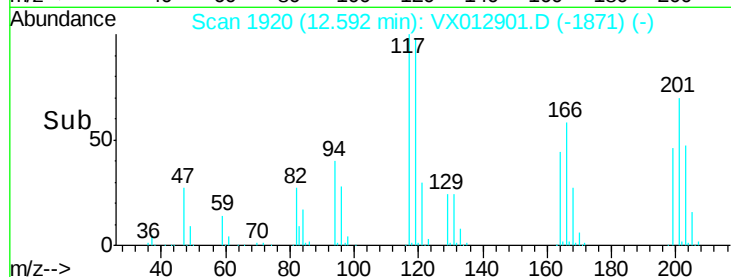
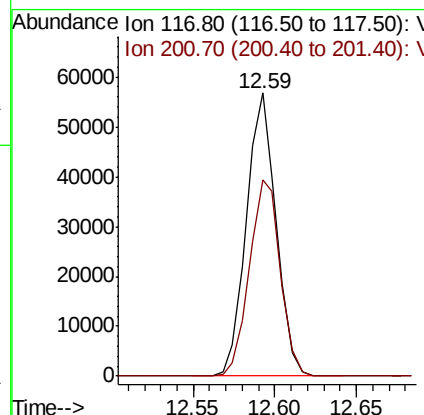
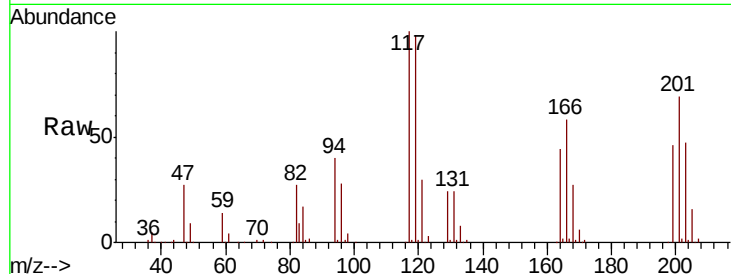
#90  
Hexachloroethane  
Concen: 48.506 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-MMW3414MSD

Tot Ion:117 Resp: 72017  
Ion Ratio Lower Upper  
117 100  
201 72.2 36.9 110.7

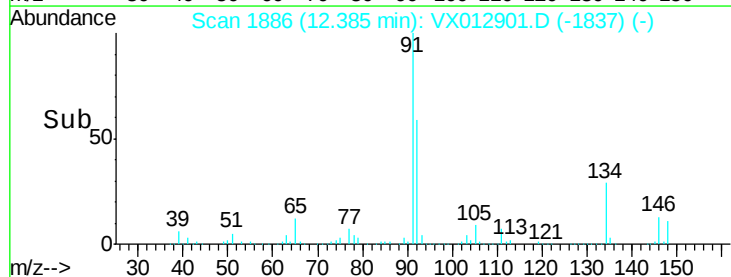
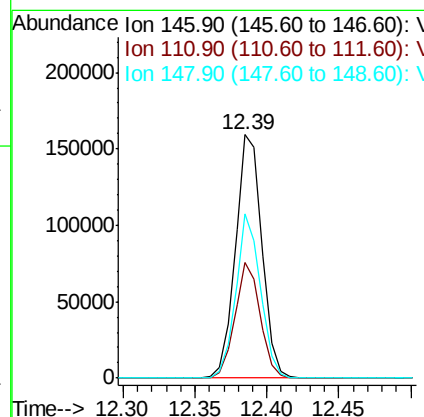
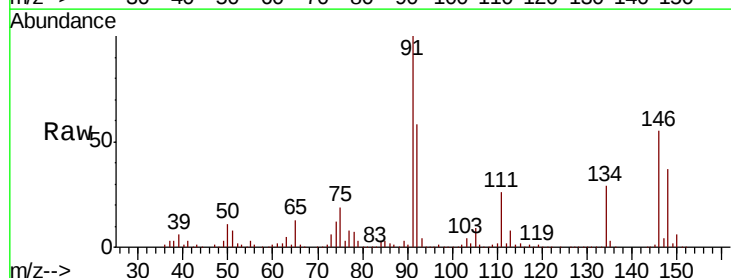
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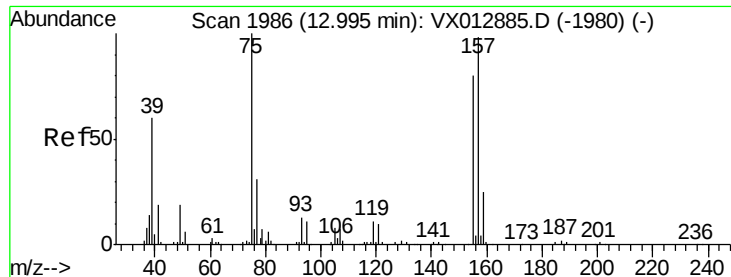
MMDadoda  
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#91  
1,2-Dichlorobenzene  
Concen: 51.982 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX012901.D  
Acq: 08 Oct 2019 19:47

Tgt Ion:146 Resp: 204536  
Ion Ratio Lower Upper  
146 100  
111 45.4 22.7 68.0  
148 63.1 31.6 94.7





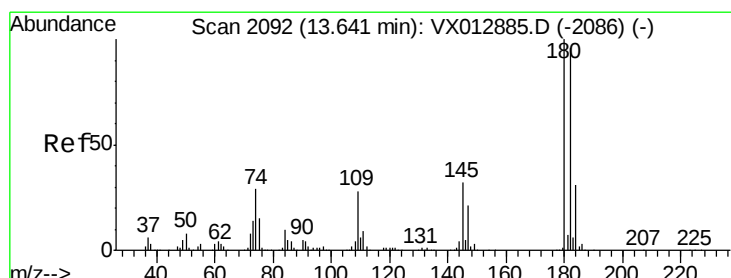
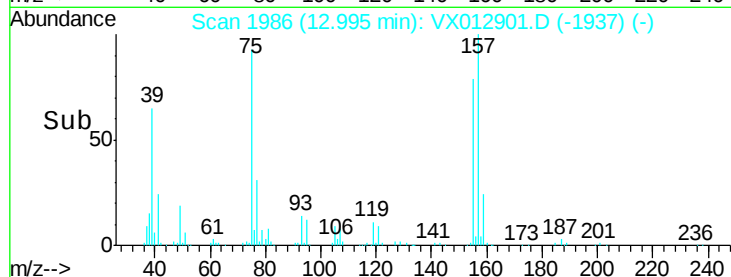
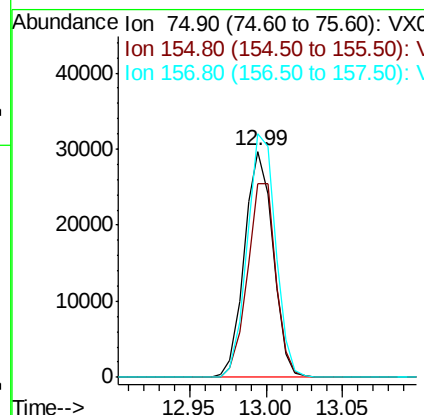
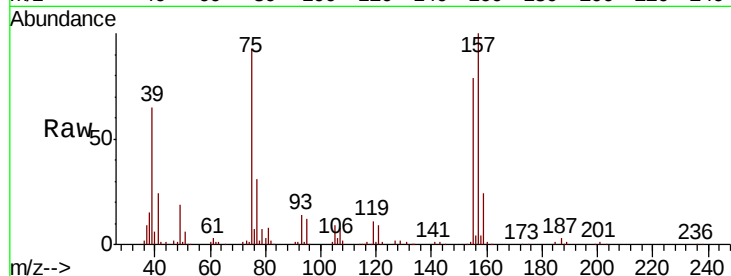
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.839 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 84.7  | 43.0  | 128.8 |
| 157     | 107.0 | 54.1  | 162.3 |

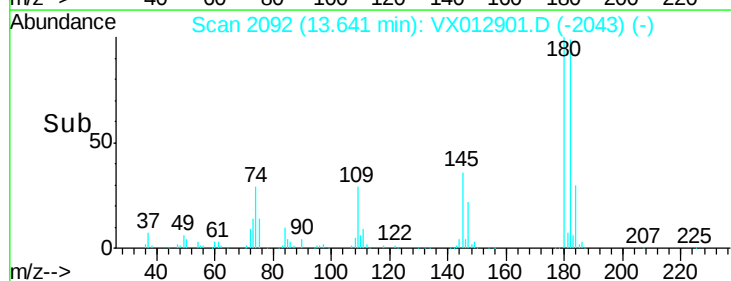
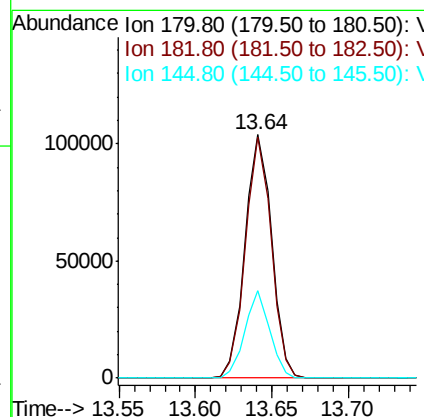
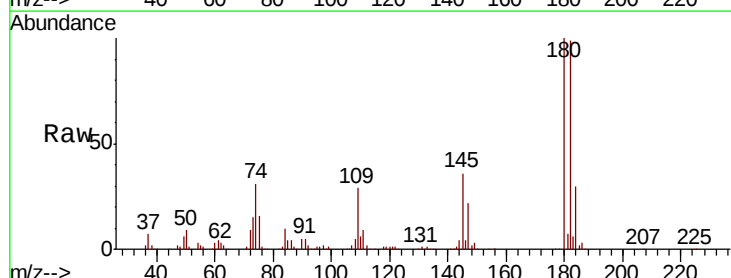
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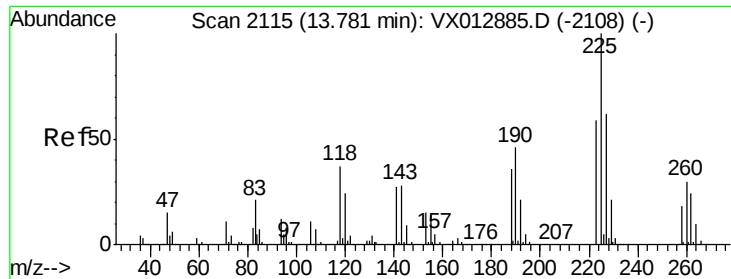
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.134 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 46.8  | 140.4 |
| 145     | 33.4  | 16.2  | 48.6  |





#94

Hexachlorobutadiene

Concen: 50.229 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

Instrument :

MSVOA\_X

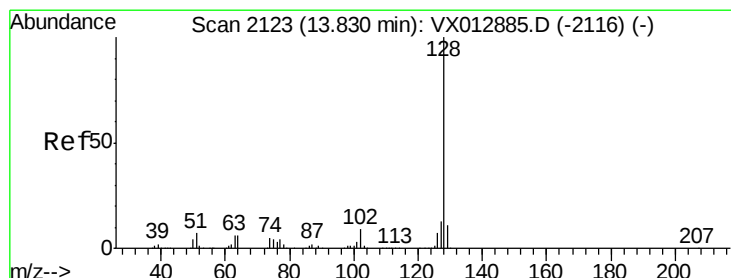
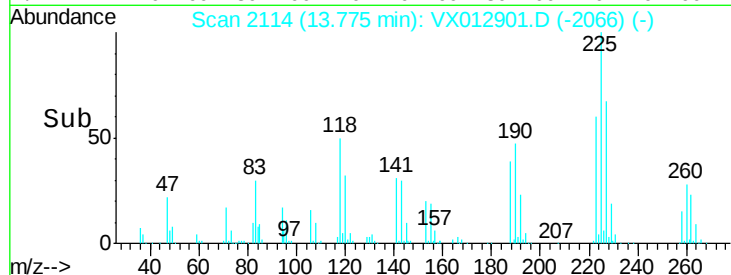
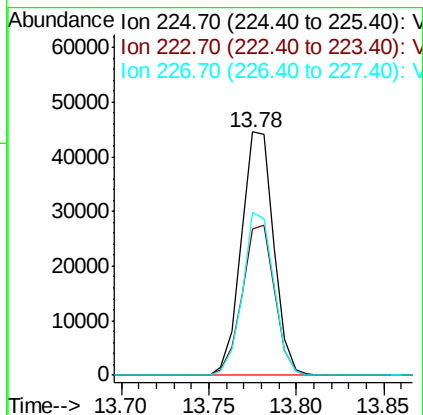
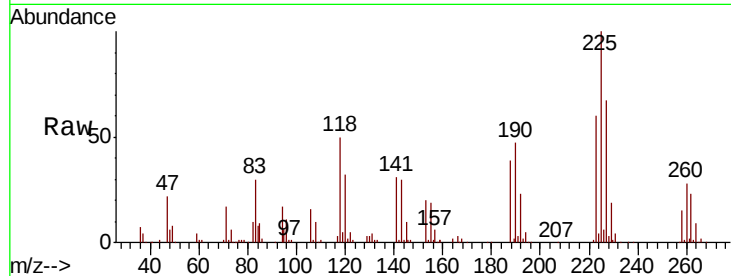
ClientSampleId :

FA19-MMW3414MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 57136 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.6  | 31.1  | 93.2  |
| 227       | 64.4  | 32.3  | 96.9  |

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#95

Naphthalene

Concen: 52.306 ug/l

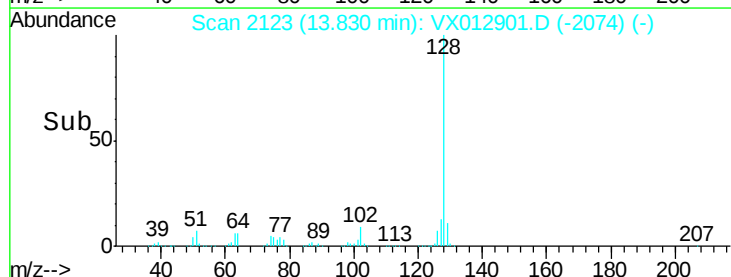
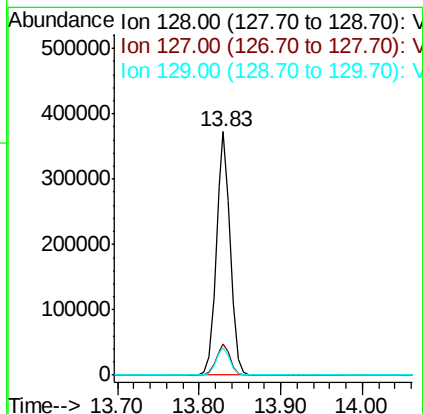
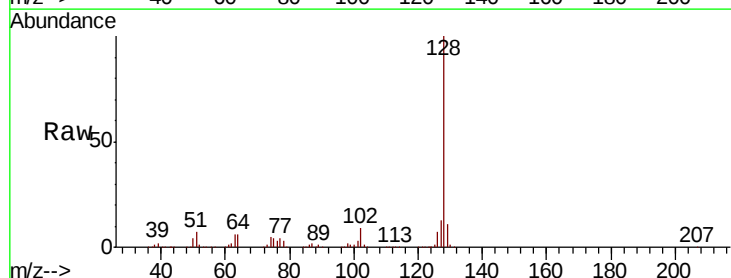
RT: 13.83 min Scan# 2123

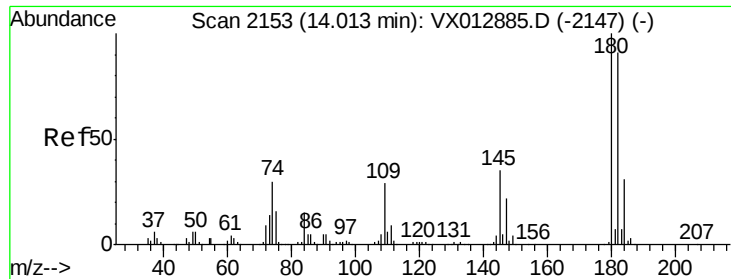
Delta R.T. -0.00 min

Lab File: VX012901.D

Acq: 08 Oct 2019 19:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 446919 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.2  | 15.4   |
| 129       | 11.2  | 8.8   | 13.2   |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 50.690 ug/l  
 RT: 14.01 min Scan# 2153  
 Delta R.T. -0.00 min  
 Lab File: VX012901.D  
 Acq: 08 Oct 2019 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 129113 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 47.5  | 142.5  |
| 145       | 35.3  | 17.4  | 52.3   |

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