

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\  
 Data File : VX003302.D  
 Acq On : 10 Jul 2018 23:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/11/2018 3:09:29 PM

Quant Time: Jul 11 05:04:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 09 15:24:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 230134   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 295307   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 280128   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 203102   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 183289   | 50.61  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.22% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 152700   | 48.13  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 96.26%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 568768   | 50.47  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.94% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 210101   | 50.46  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.92% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 177549   | 50.75  | ug/l  | 97     |
| 3) Chloromethane              | 1.32 | 50   | 152754   | 48.02  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.40 | 62   | 158125   | 48.43  | ug/l  | 99     |
| 5) Bromomethane               | 1.64 | 94   | 51506    | 53.57  | ug/l  | 97     |
| 6) Chloroethane               | 1.72 | 64   | 90845    | 50.22  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 240152   | 49.48  | ug/l  | 98     |
| 8) Diethyl Ether              | 2.19 | 74   | 84189    | 47.99  | ug/l  | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101  | 136006   | 47.86  | ug/l  | 96     |
| 10) Methyl Iodide             | 2.51 | 142  | 143257   | 46.15  | ug/l  | 97     |
| 11) Tert butyl alcohol        | 3.09 | 59   | 182879   | 278.52 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 122374   | 47.32  | ug/l  | 91     |
| 13) Acrolein                  | 2.30 | 56   | 97158    | 183.62 | ug/l  | 99     |
| 14) Allyl chloride            | 2.73 | 41   | 233018   | 48.64  | ug/l  | 94     |
| 15) Acrylonitrile             | 3.15 | 53   | 382191   | 260.67 | ug/l  | 99     |
| 16) Acetone                   | 2.45 | 43   | 345793   | 268.93 | ug/l  | 96     |
| 17) Carbon Disulfide          | 2.57 | 76   | 330032   | 45.92  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.78 | 43   | 209330   | 57.71  | ug/l  | 97     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73   | 428581   | 49.61  | ug/l  | 100    |
| 20) Methylene Chloride        | 2.86 | 84   | 136788   | 51.94  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96   | 134424   | 48.76  | ug/l  | 95     |
| 22) Diisopropyl ether         | 3.88 | 45   | 443363   | 45.49  | ug/l  | 98     |
| 23) Vinyl Acetate             | 3.83 | 43   | 1933062  | 233.63 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 252239   | 49.73  | ug/l  | 98     |
| 25) 2-Butanone                | 4.72 | 43   | 611965   | 268.97 | ug/l  | 96     |
| 26) 2,2-Dichloropropane       | 4.59 | 77   | 147122   | 33.16  | ug/l  | 94     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96   | 162559   | 47.98  | ug/l  | 97     |
| 28) Bromochloromethane        | 5.03 | 49   | 128343   | 50.22  | ug/l  | 89     |
| 29) Tetrahydrofuran           | 5.17 | 42   | 385942   | 261.34 | ug/l  | 96     |
| 30) Chloroform                | 5.22 | 83   | 279595   | 50.11  | ug/l  | 96     |
| 31) Cyclohexane               | 5.57 | 56   | 233380   | 49.13  | ug/l  | 95     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97   | 246598   | 50.10  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 200769   | 48.03  | ug/l  | 98     |
| 37) Ethyl Acetate             | 4.87 | 43   | 228087   | 49.77  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 222111   | 48.57  | ug/l  | 99     |

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 Data File : VX003302.D  
 Acq On : 10 Jul 2018 23:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/11/2018 3:09:29 PM

Quant Time: Jul 11 05:04:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 09 15:24:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 232777   | 47.27   | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 611126   | 49.33   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.07  | 41   | 129564   | 51.64   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 223417   | 48.27   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 364782   | 50.69   | ug/l   | 98       |
| 44) Trichloroethene            | 7.21  | 130  | 179536   | 49.01   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 155089   | 48.15   | ug/l   | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 109245   | 49.76   | ug/l   | 94       |
| 47) Bromodichloromethane       | 7.90  | 83   | 203089   | 50.14   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.79  | 41   | 189316   | 51.29   | ug/l   | 92       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 81857    | 1060.68 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 1172844  | 261.78  | ug/l   | 96       |
| 52) Toluene                    | 8.79  | 92   | 396585   | 50.64   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 226167   | 47.45   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 210512   | 48.53   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 164830   | 50.74   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 234074   | 52.60   | ug/l   | 91       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 263129   | 50.28   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 577533   | 269.06  | ug/l   | 95       |
| 59) 2-Hexanone                 | 9.50  | 43   | 932539   | 274.03  | ug/l   | 94       |
| 60) Dibromochloromethane       | 9.59  | 129  | 173641   | 51.19   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 175003   | 51.40   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 217945   | 51.47   | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 454731   | 47.77   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 172735   | 50.30   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 759365   | 49.33   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 599721   | 100.15  | ug/l   | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 290306   | 50.04   | ug/l   | 96       |
| 70) Styrene                    | 10.71 | 104  | 479754   | 51.00   | ug/l   | 98       |
| 71) Bromoform                  | 10.86 | 173  | 141627   | 50.12   | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 774555   | 48.30   | ug/l   | 100      |
| 74) N-amyl acetate             | 6.48  | 43   | 364782   | 47.69   | ug/l # | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 227089   | 45.66   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 230122m  | 52.43   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 222474   | 48.05   | ug/l   | 94       |
| 78) n-propylbenzene            | 11.37 | 91   | 859290   | 48.20   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 513311   | 47.26   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 655079   | 49.06   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 57671    | 42.94   | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 605568   | 47.75   | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 641572   | 48.10   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 682685   | 49.93   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 778455   | 49.38   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 710560   | 49.47   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 404812   | 47.66   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 409698   | 47.65   | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 581485   | 48.46   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 102354   | 46.68   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 409855   | 48.06   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 53454    | 50.09   | ug/l   | 89       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\  
Data File : VX003302.D  
Acq On : 10 Jul 2018 23:43  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
7/11/2018 3:09:29 PM

Quant Time: Jul 11 05:04:22 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X070918W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 09 15:24:16 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 295522   | 47.61 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 145273   | 47.02 | ug/l  | 99       |
| 95) Naphthalene            | 13.84 | 128  | 847471   | 52.19 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 305810   | 49.40 | ug/l  | 100      |

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

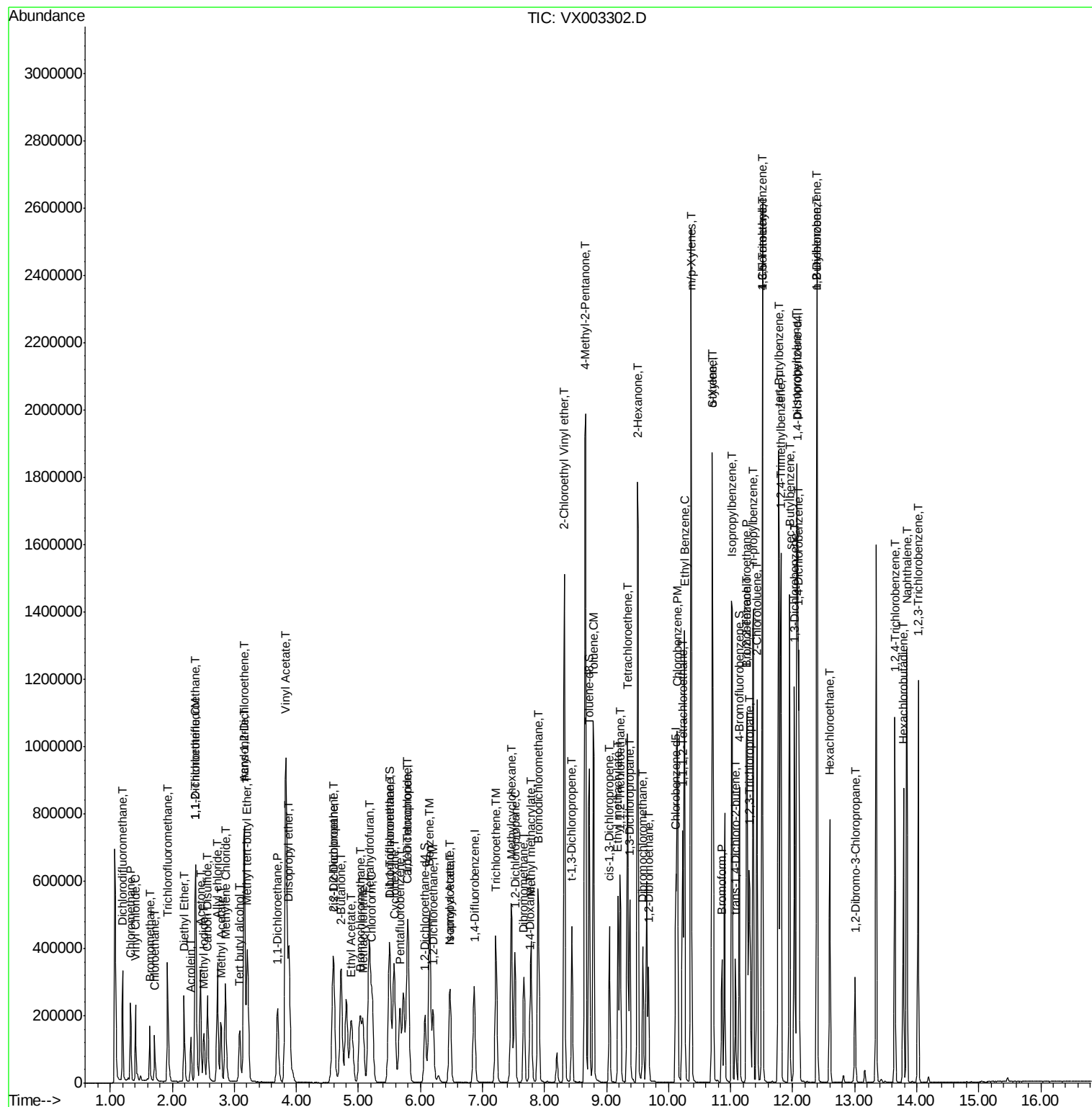
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Data File : VX003302.D  
Acq On : 10 Jul 2018 23:43  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 26 Sample Multiplier: 1

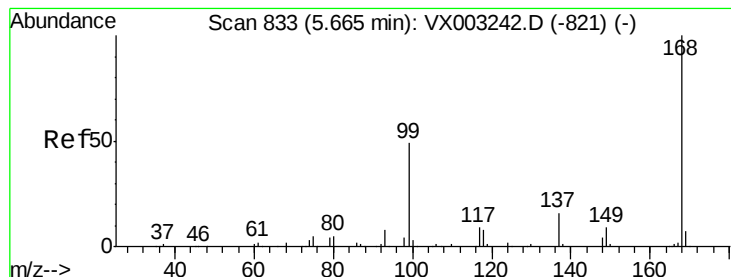
Instrument :  
MSVOA\_X  
Client Sample ID :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
7/11/2018 3:09:29 PM

Quant Time: Jul 11 05:04:22 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X070918W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 09 15:24:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 230134

Ion Ratio Lower Upper

168 100

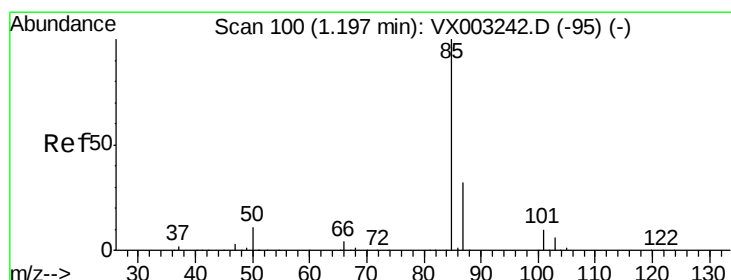
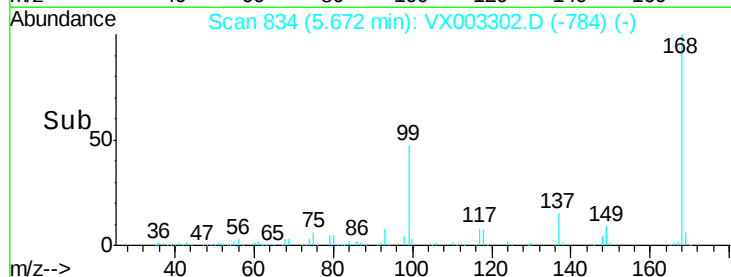
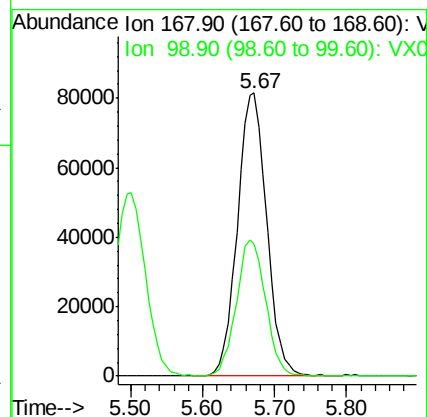
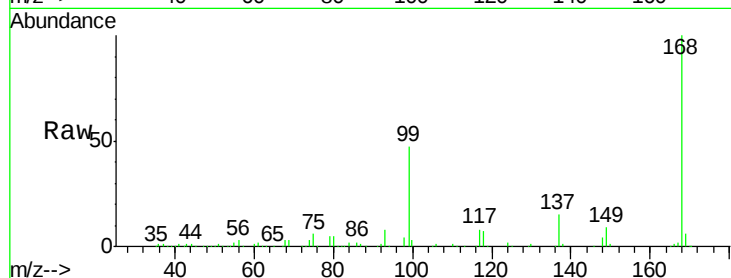
99 46.6 39.3 58.9

Manual Integrations

APPROVED

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7/11/2018 3:09:29 PM



#2

Dichlorodifluoromethane

Concen: 50.75 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003302.D

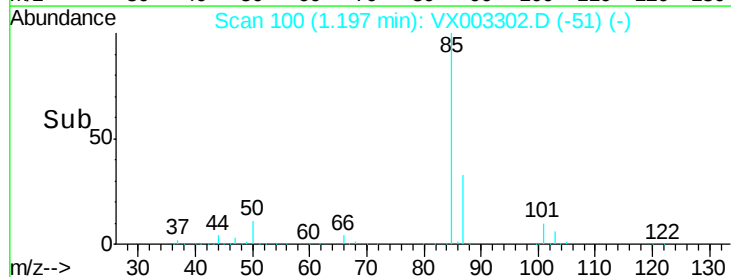
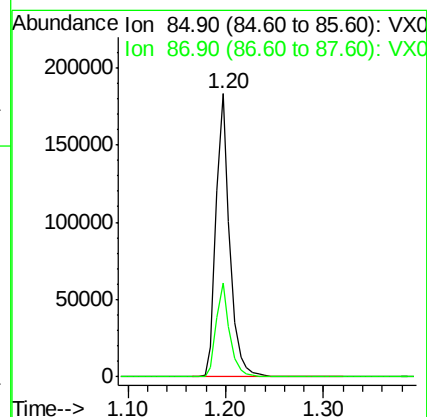
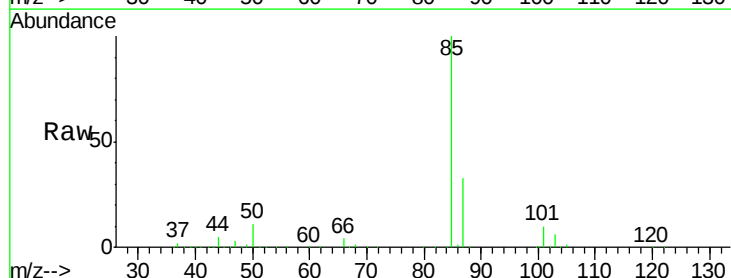
Acq: 10 Jul 2018 23:43

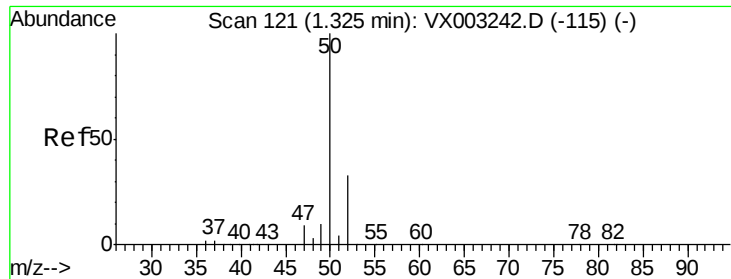
Tgt Ion: 85 Resp: 177549

Ion Ratio Lower Upper

85 100

87 33.3 16.0 47.9





#3

Chloromethane

Concen: 48.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152754

Ion Ratio Lower Upper

50 100

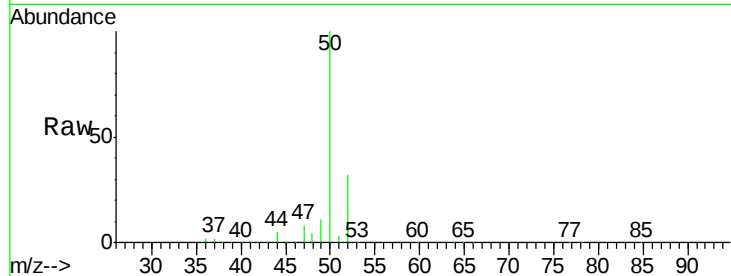
52 32.5 25.7 38.5

Manual Integrations

APPROVED

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7/11/2018 3:09:29 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

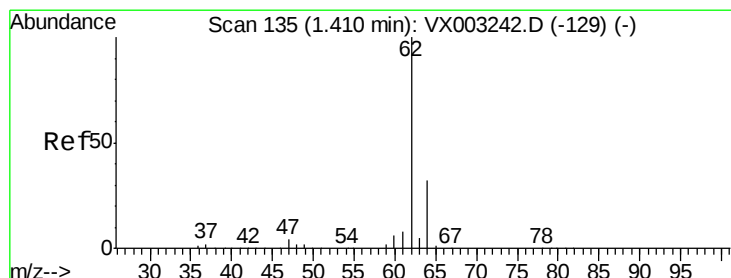
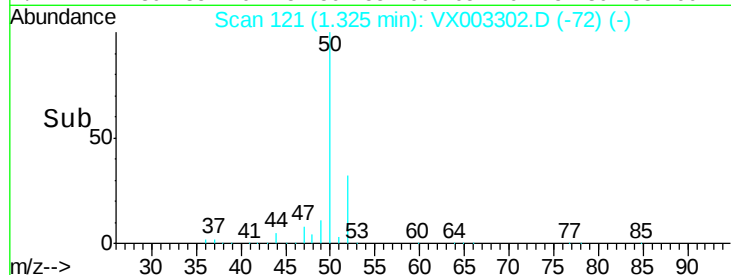
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.43 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003302.D

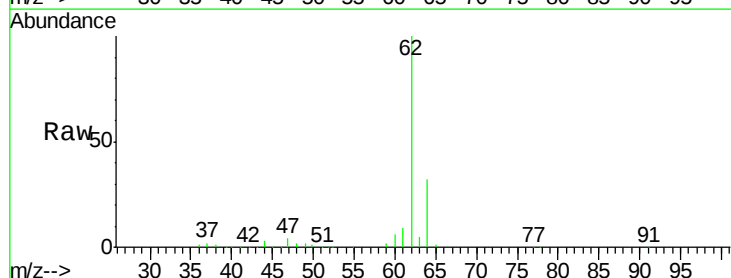
Acq: 10 Jul 2018 23:43

Tgt Ion: 62 Resp: 158125

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

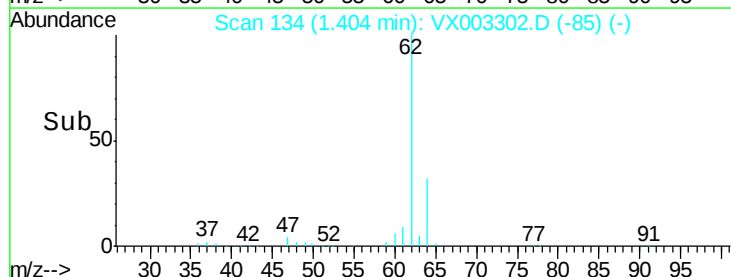
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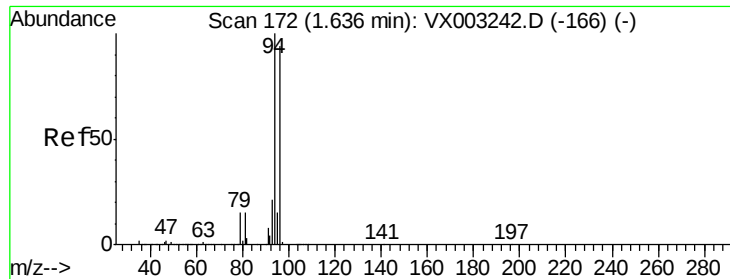
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50000

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Time-->





#5

Bromomethane

Concen: 53.57 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51506

Ion Ratio Lower Upper

94 100

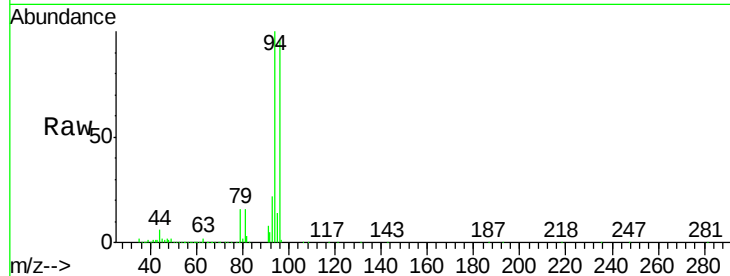
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Manual Integrations

APPROVED

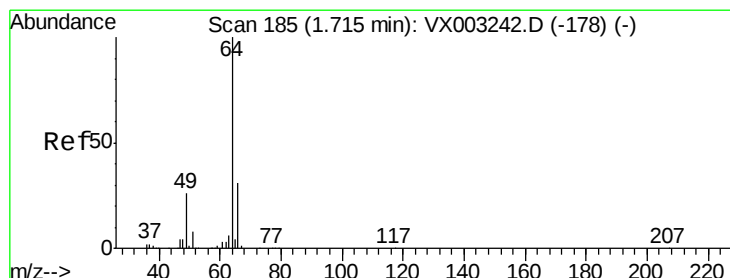
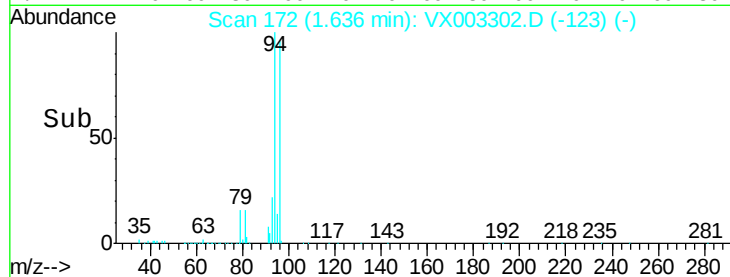
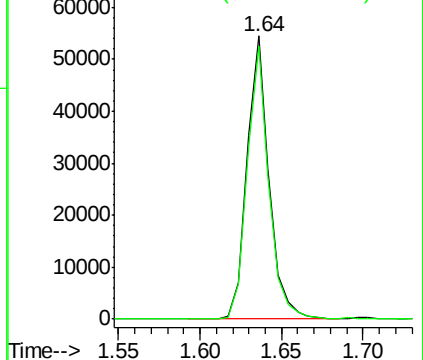
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.22 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003302.D

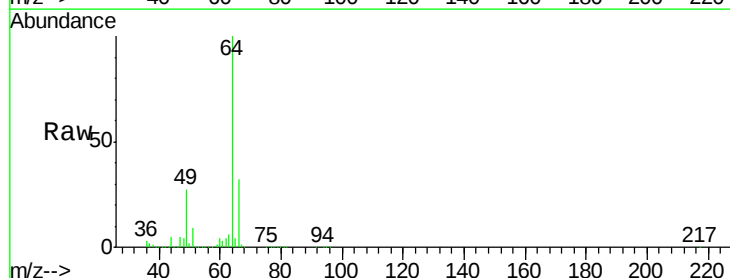
Acq: 10 Jul 2018 23:43

Tgt Ion: 64 Resp: 90845

Ion Ratio Lower Upper

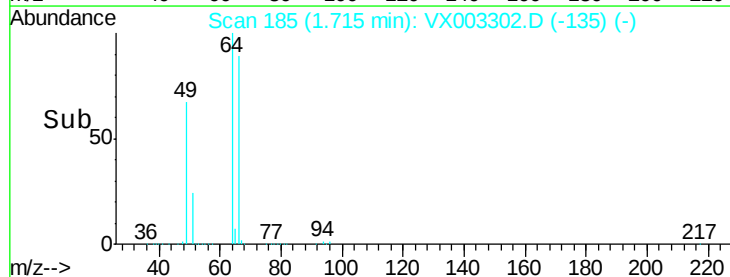
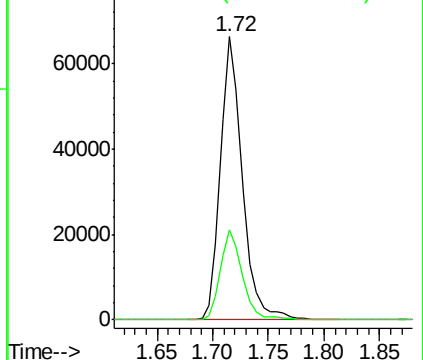
64 100

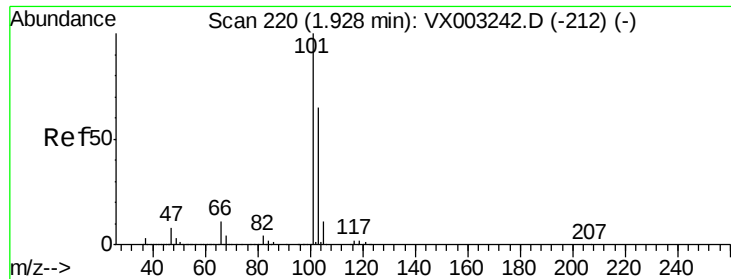
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

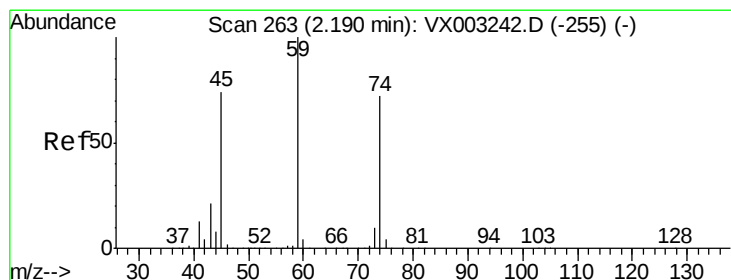
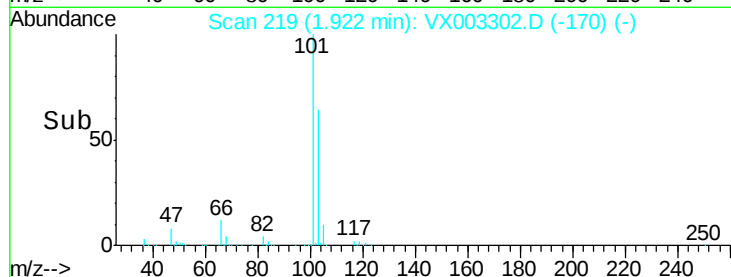
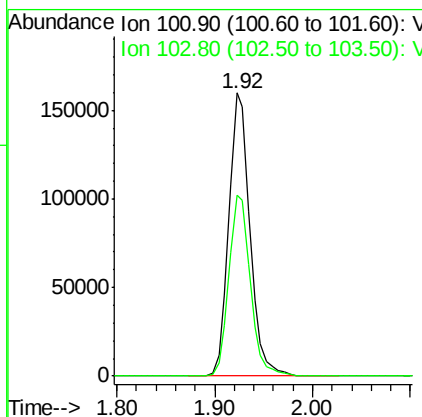
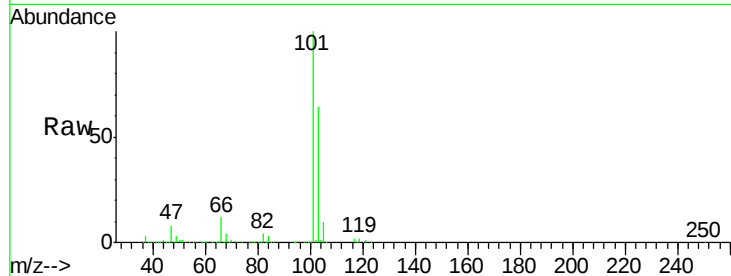
Trichlorofluoromethane  
 Concen: 49.48 ug/l  
 RT: 1.92 min Scan# 219  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.0  | 52.8  | 79.2  |

Manual Integrations  
 APPROVED

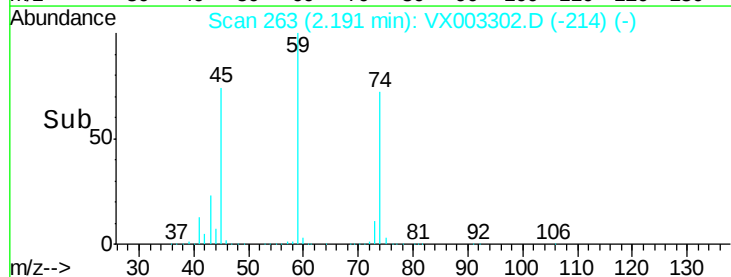
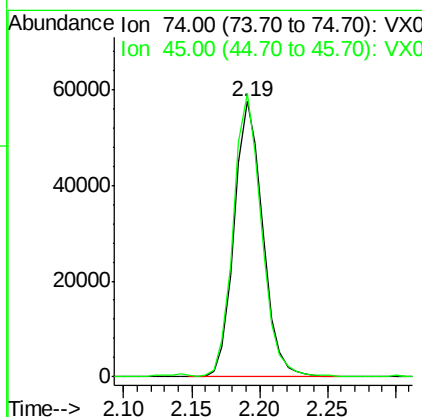
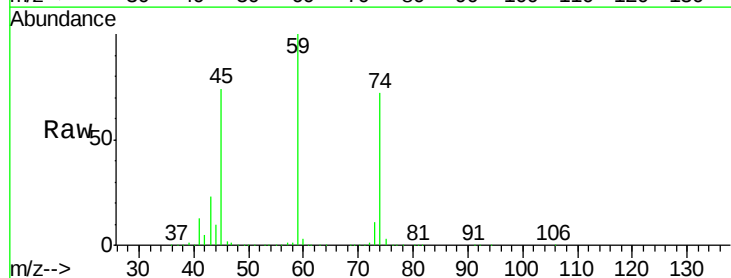
MMDadoda  
 7/11/2018 3:09:29 PM

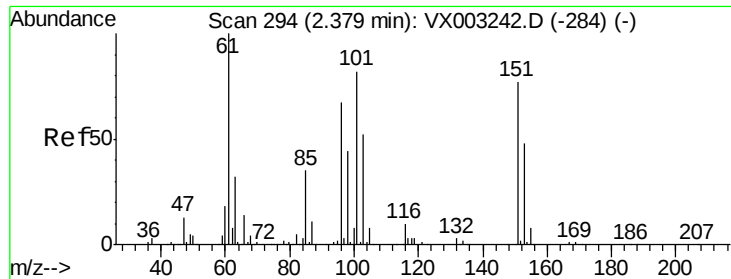


#8

Diethyl Ether  
 Concen: 47.99 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 101.1 | 53.1  | 159.4 |





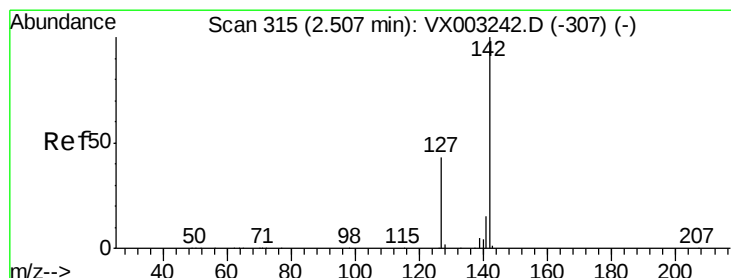
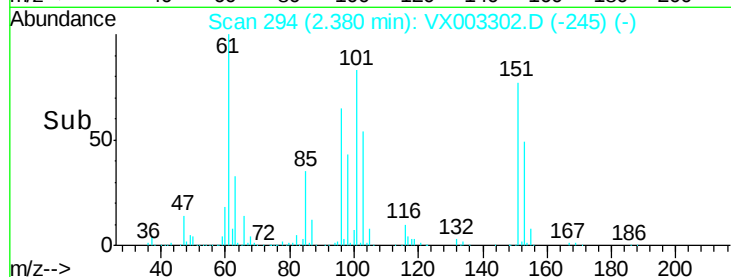
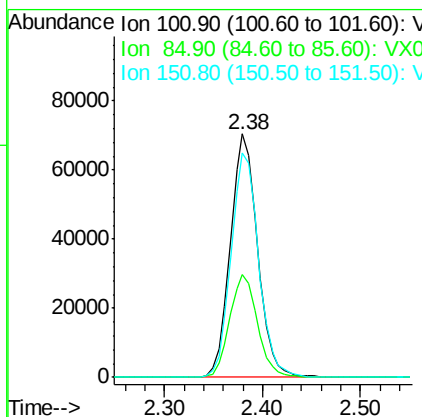
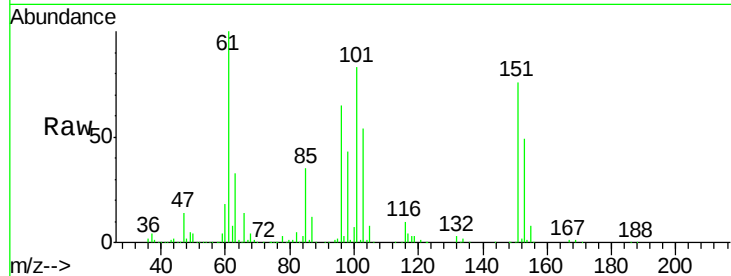
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 47.86 ug/l  
 RT: 2.38 min Scan# 294  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 136006 |       |       |
| 85      | 43.2  | 36.0   | 54.0  |       |
| 151     | 93.6  | 70.9   | 106.3 |       |

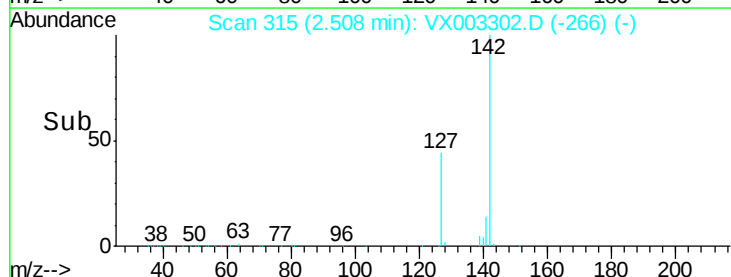
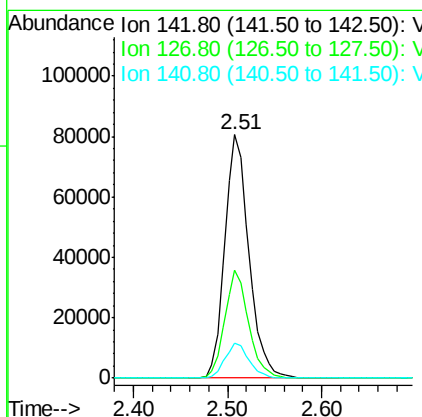
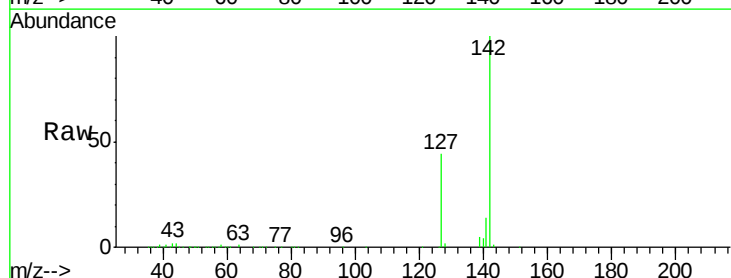
Manual Integrations  
 APPROVED

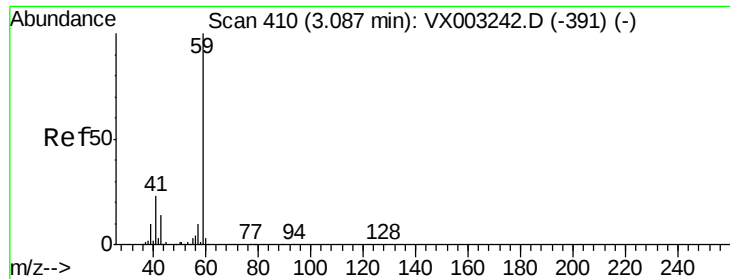
MMDadoda  
 7/11/2018 3:09:29 PM



#10  
 Methyl Iodide  
 Concen: 46.15 ug/l  
 RT: 2.51 min Scan# 315  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 143257 |       |       |
| 127     | 43.6  | 36.6   | 55.0  |       |
| 141     | 14.3  | 11.3   | 16.9  |       |





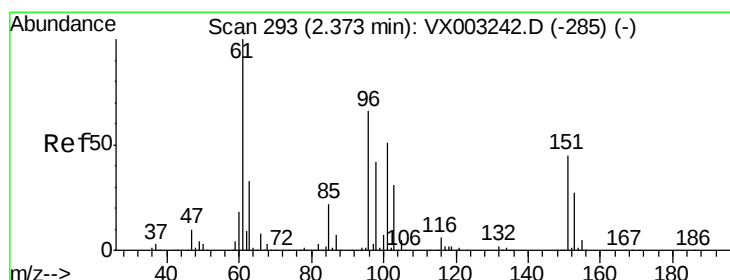
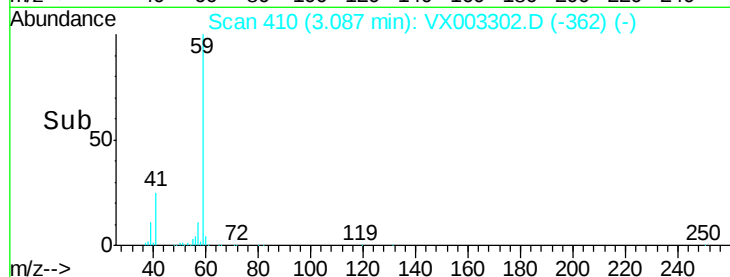
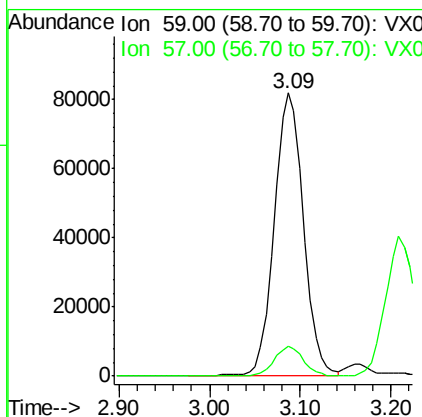
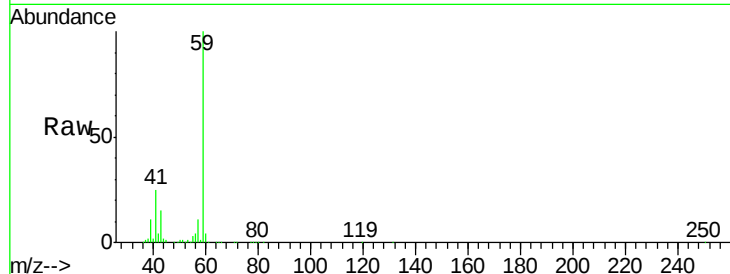
#11  
Tert butyl alcohol  
Concen: 278.52 ug/l  
RT: 3.09 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 182879  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.2 12.2

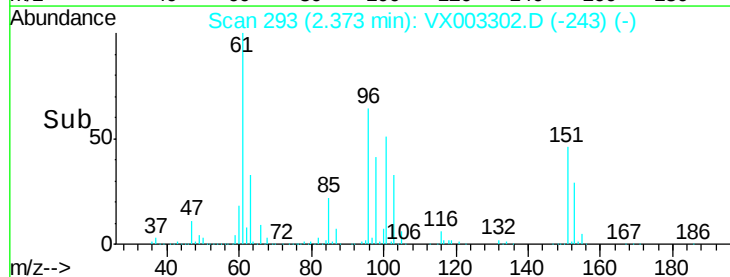
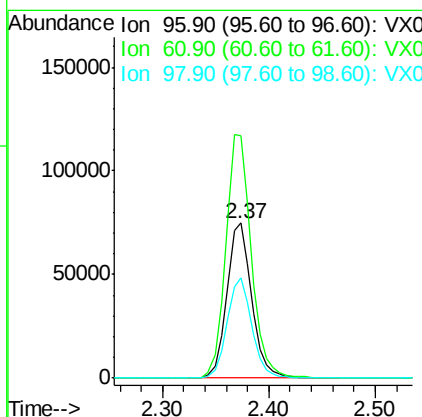
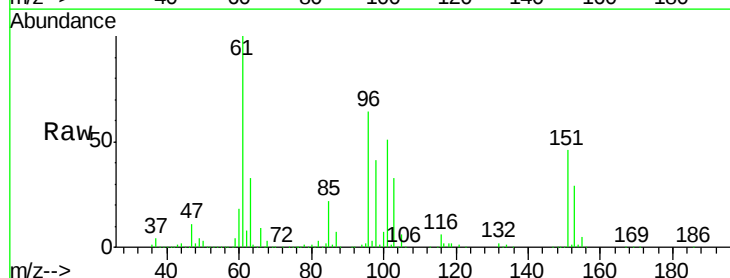
Manual Integrations  
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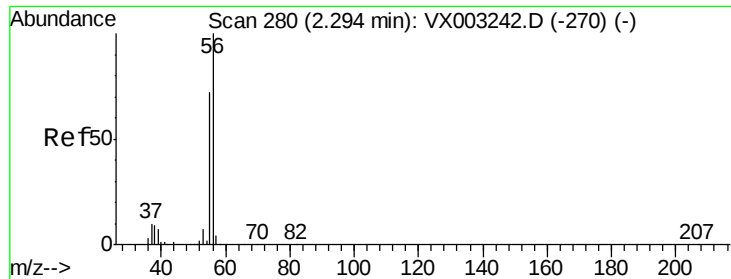
MMDadoda  
7/11/2018 3:09:29 PM



#12  
1,1-Dichloroethene  
Concen: 47.32 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Tgt Ion: 96 Resp: 122374  
Ion Ratio Lower Upper  
96 100  
61 156.4 137.9 206.9  
98 64.8 51.6 77.4





#13

Acrolein

Concen: 183.62 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 97158

Ion Ratio Lower Upper

56 100

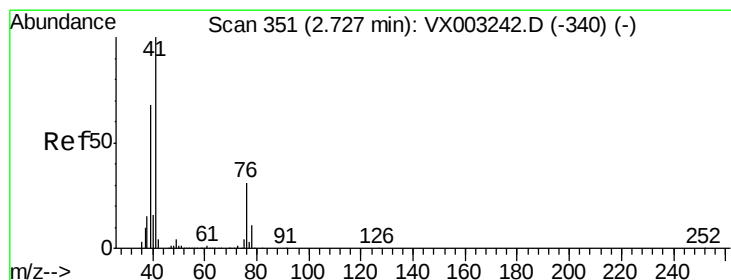
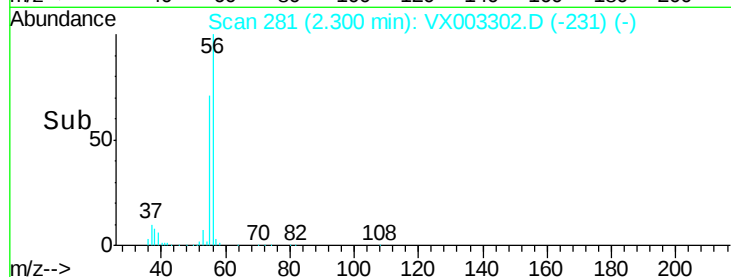
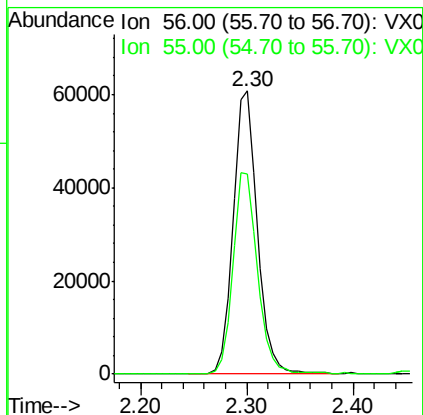
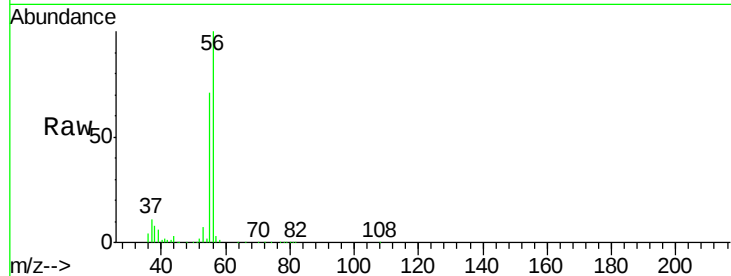
55 72.0 57.0 85.4

Manual Integrations

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7/11/2018 3:09:29 PM



#14

Allyl chloride

Concen: 48.64 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

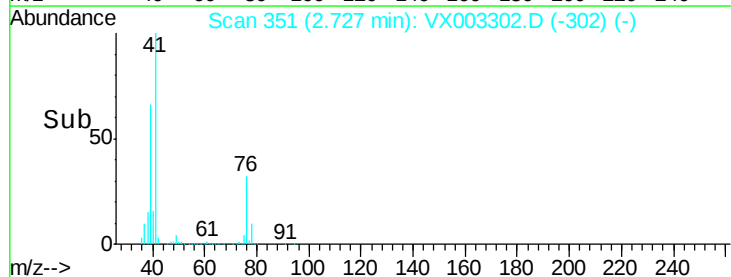
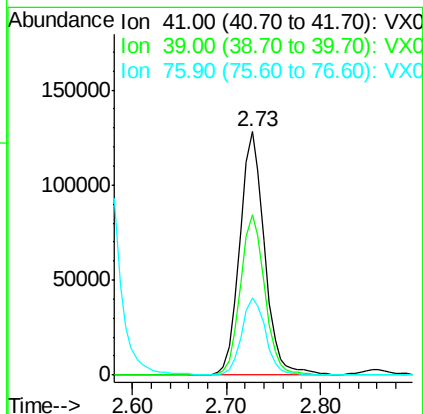
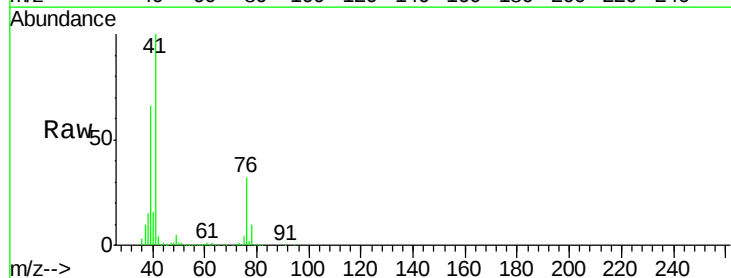
Tgt Ion: 41 Resp: 233018

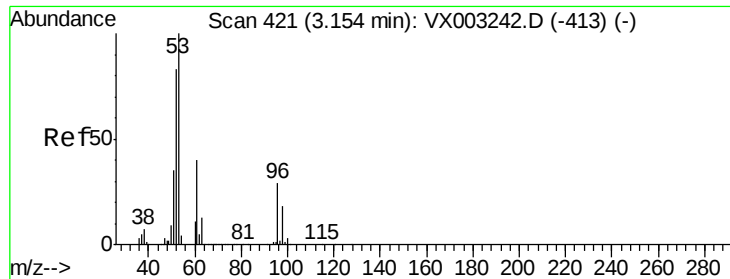
Ion Ratio Lower Upper

41 100

39 64.7 56.8 85.2

76 31.3 23.8 35.8





#15

Acrylonitrile

Concen: 260.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

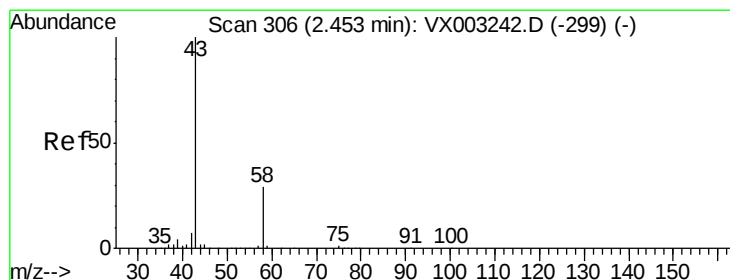
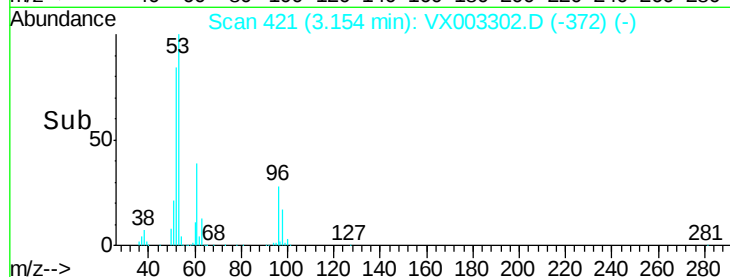
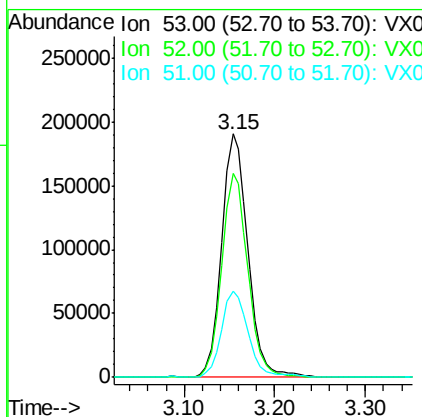
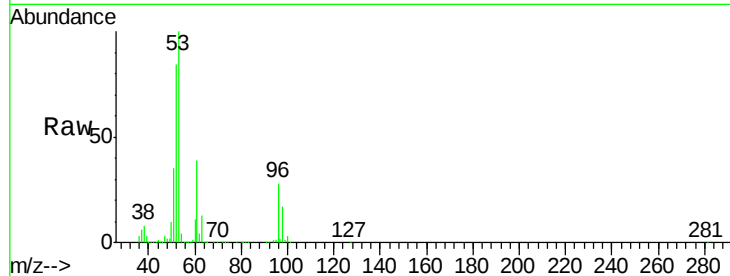
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 382191 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.7  | 66.7  | 100.1  |
| 51       | 36.5  | 29.9  | 44.9   |

Manual Integrations  
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7/11/2018 3:09:29 PM



#16

Acetone

Concen: 268.93 ug/l

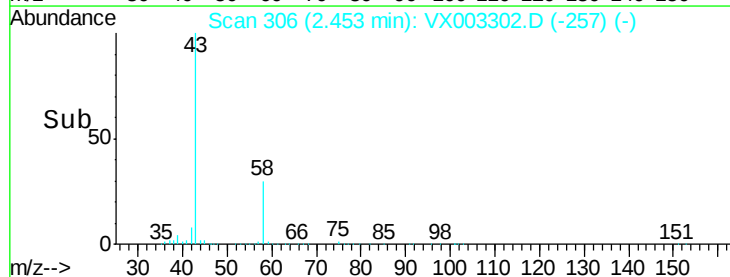
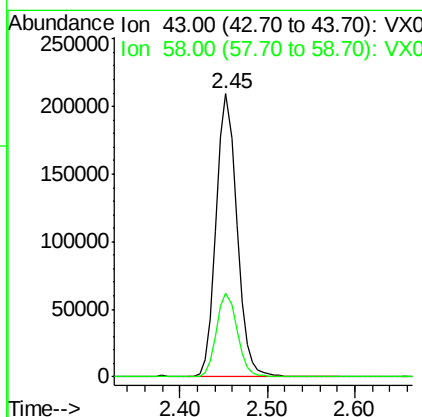
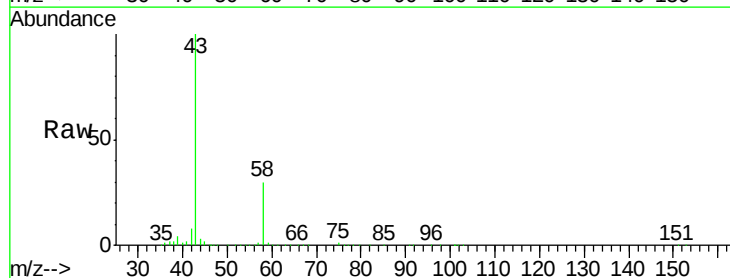
RT: 2.45 min Scan# 306

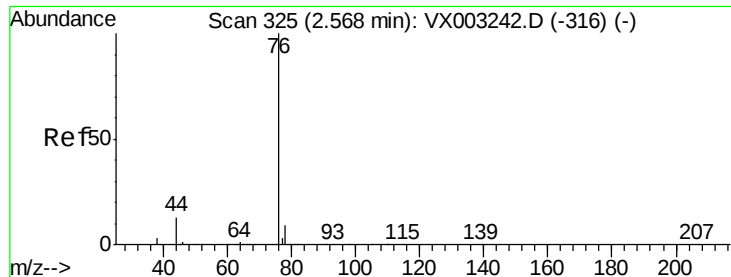
Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 345793 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.6  | 22.1  | 33.1   |





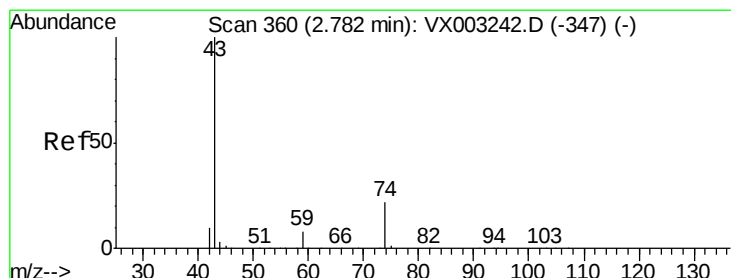
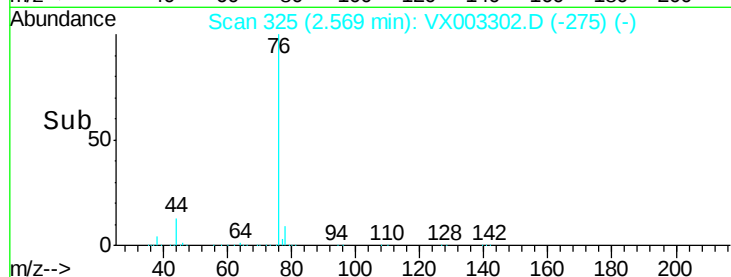
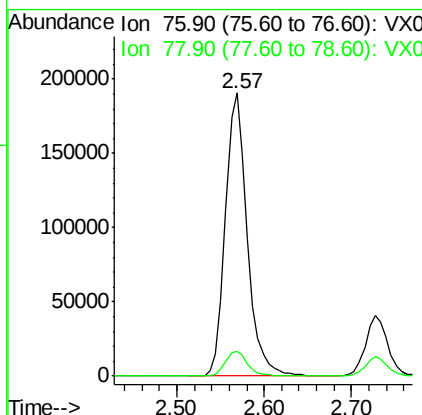
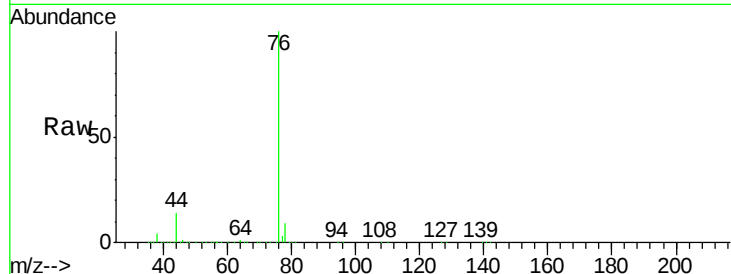
#17  
Carbon Disulfide  
Concen: 45.92 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.01 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 6.9   | 10.3  |

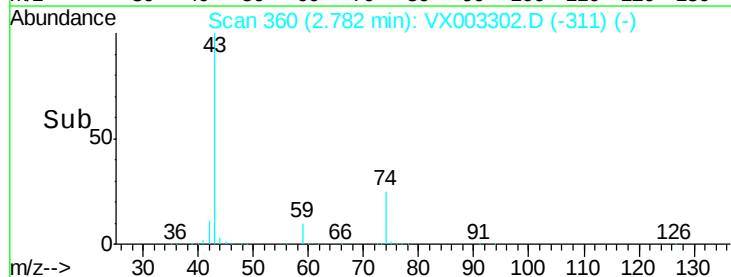
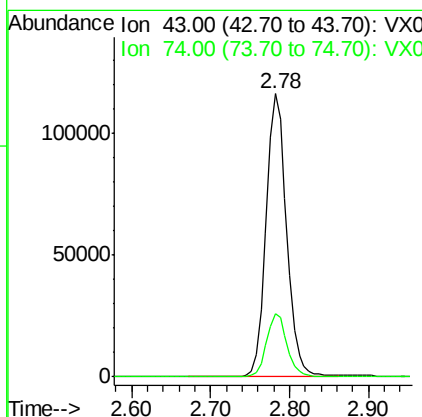
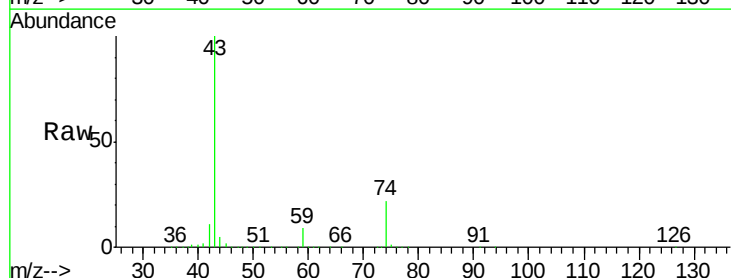
Manual Integrations  
APPROVED

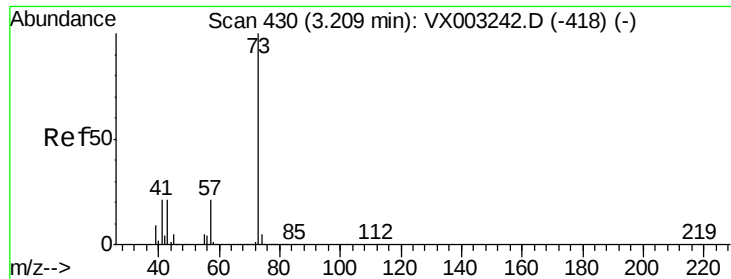
MMDadoda  
7/11/2018 3:09:29 PM



#18  
Methyl Acetate  
Concen: 57.71 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.5  | 16.7  | 25.1  |





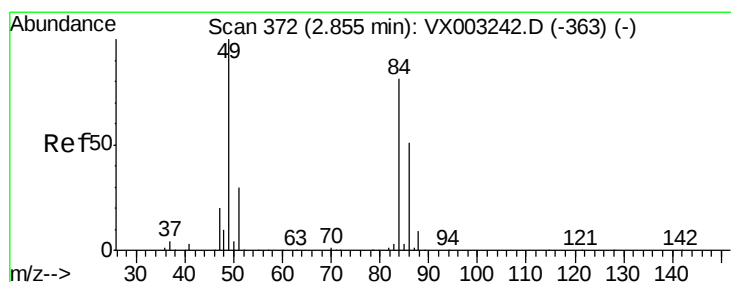
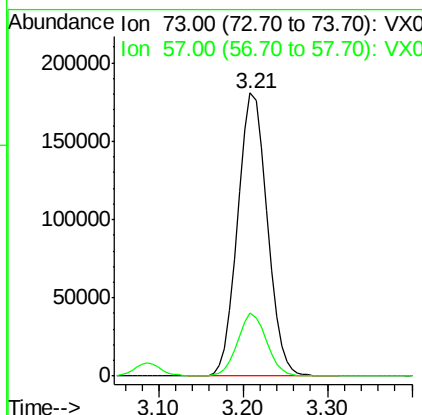
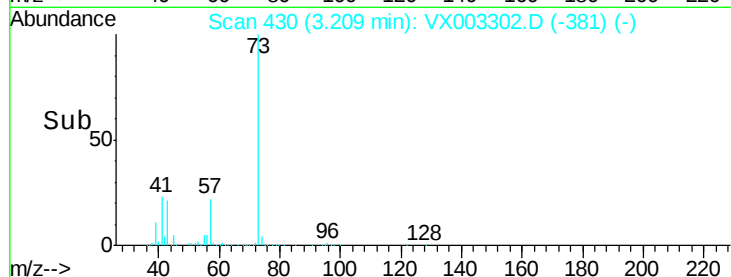
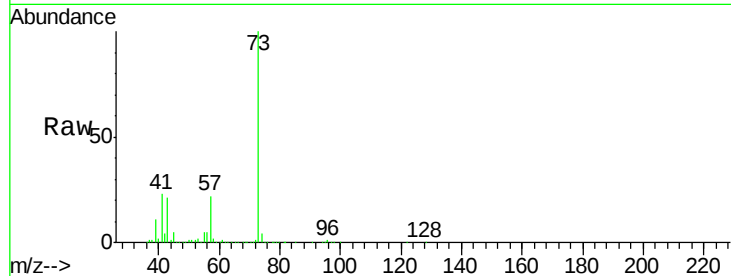
#19  
Methvl tert-butvl Ether  
Concen: 49.61 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.3  | 17.7  | 26.5  |

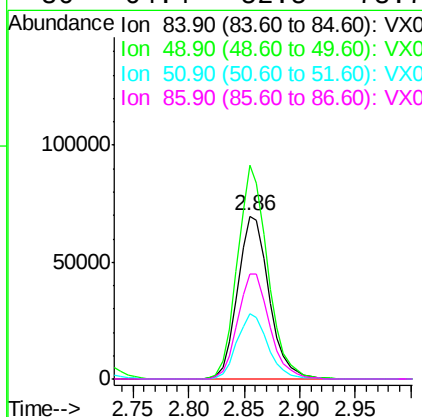
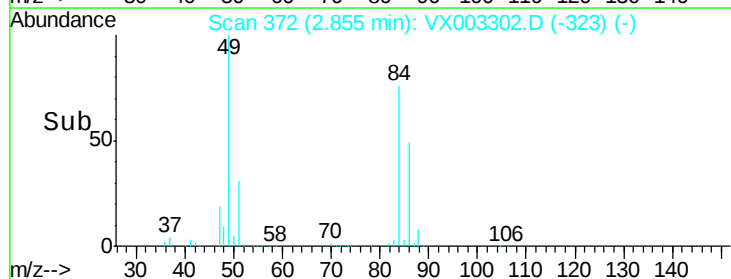
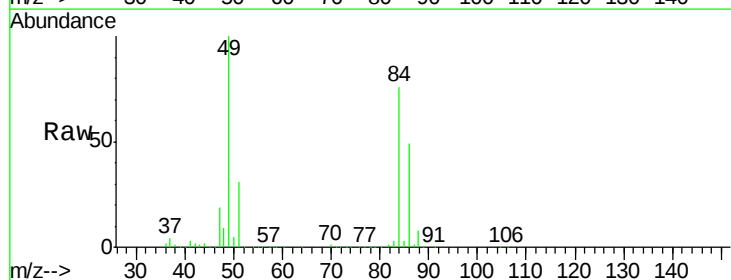
Manual Integrations  
APPROVED

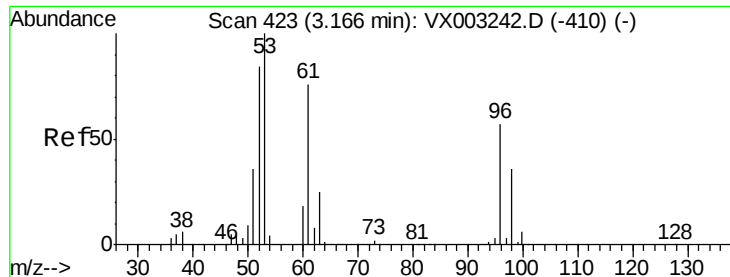
MMDadoda  
7/11/2018 3:09:29 PM



#20  
Methylene Chloride  
Concen: 51.94 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 131.1 | 107.8 | 161.6 |
| 51      | 40.0  | 32.8  | 49.2  |
| 86      | 64.4  | 52.5  | 78.7  |





#21

trans-1,2-Dichloroethene

Concen: 48.76 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

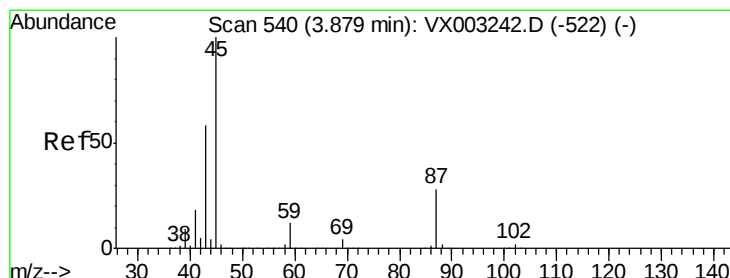
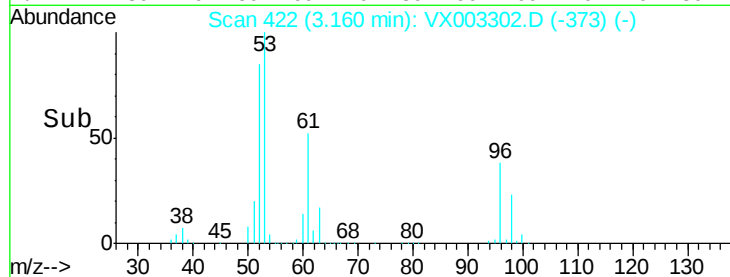
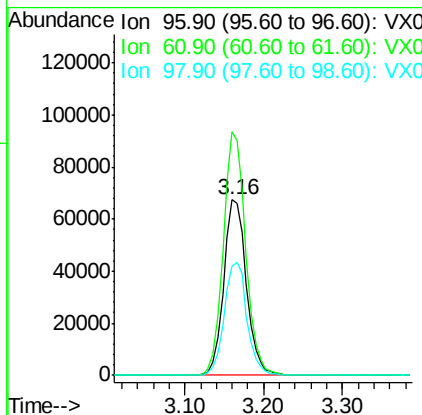
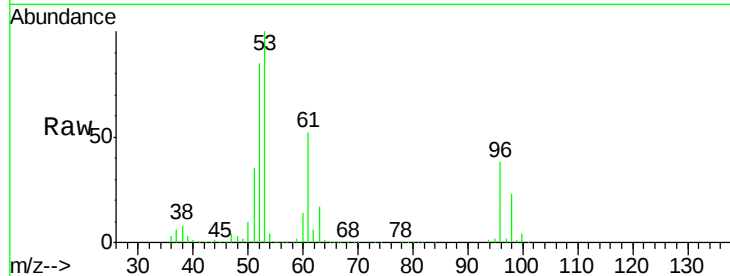
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 134424 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 138.8 | 117.0 | 175.4  |
| 98       | 62.2  | 52.4  | 78.6   |

Manual Integrations  
APPROVED

MMDadoda  
7/11/2018 3:09:29 PM



#22

Diisopropyl ether

Concen: 45.49 ug/l

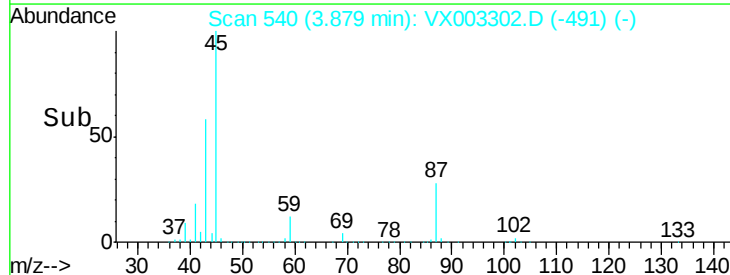
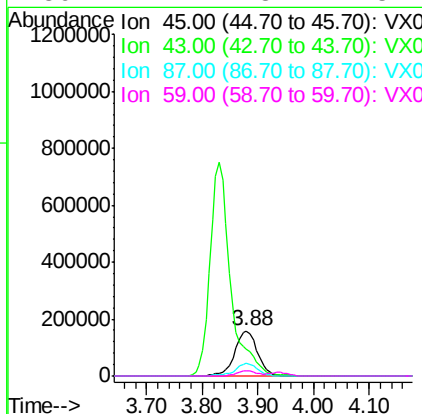
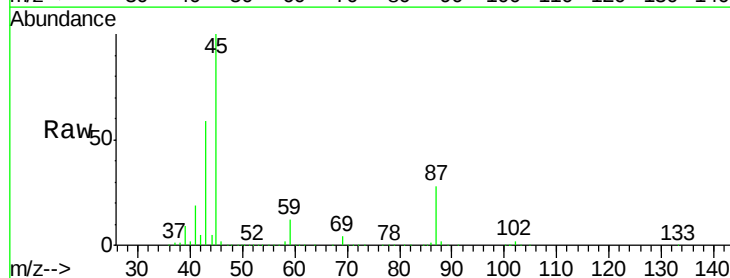
RT: 3.88 min Scan# 540

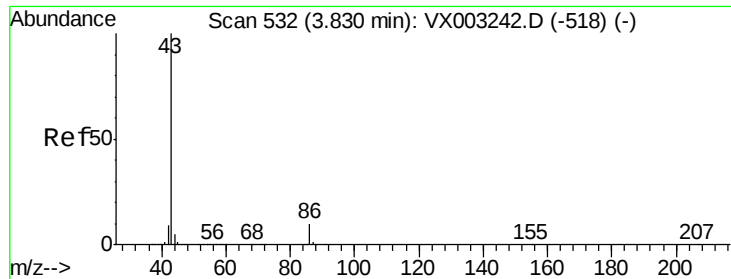
Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 443363 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.5  | 46.8  | 70.2   |
| 87       | 27.8  | 20.2  | 30.4   |
| 59       | 11.7  | 8.7   | 13.1   |





#23

Vinyl Acetate

Concen: 233.63 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1933062

Ion Ratio Lower Upper

43 100

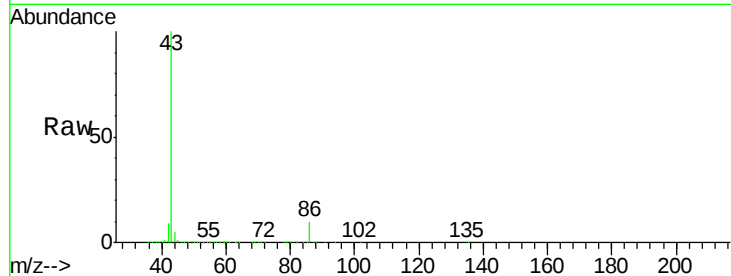
86 9.9 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

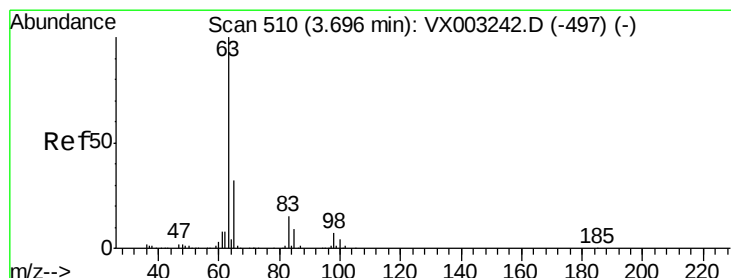
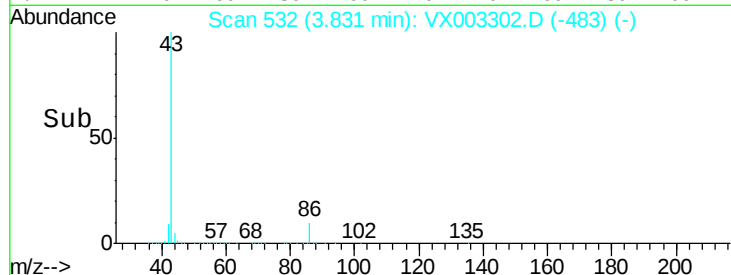
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.73 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

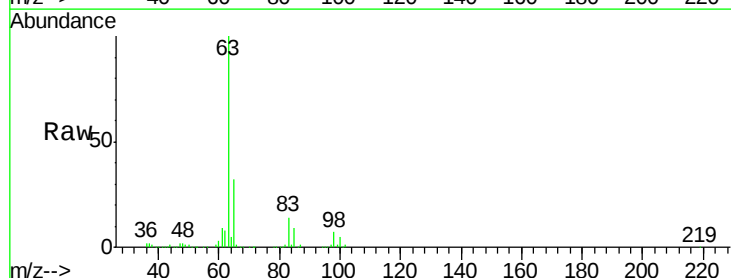
Tgt Ion: 63 Resp: 252239

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

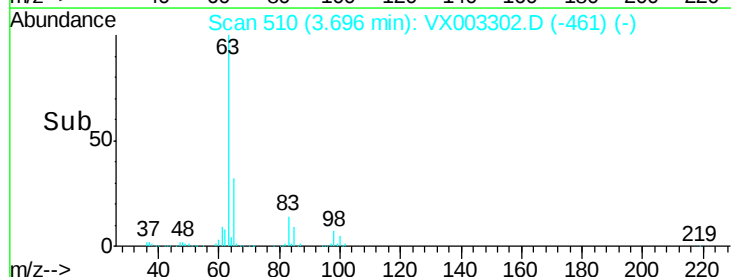
3.70

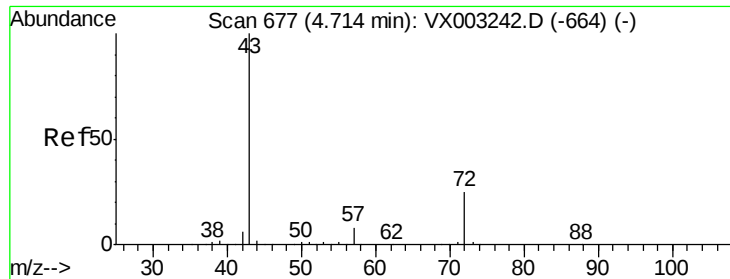
100000

50000

0

Time-->





#25

2-Butanone

Concen: 268.97 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 611965

Ion Ratio Lower Upper

43 100

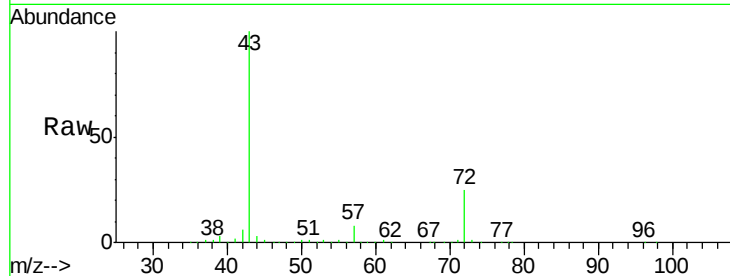
72 24.9 18.5 27.7

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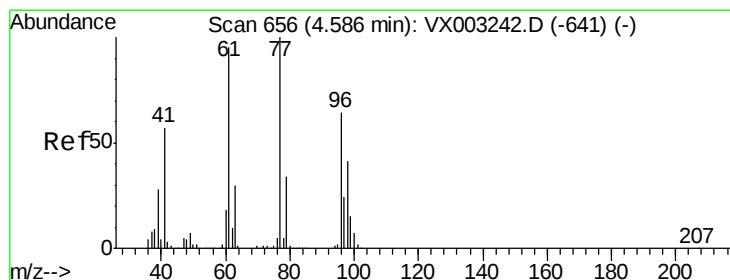
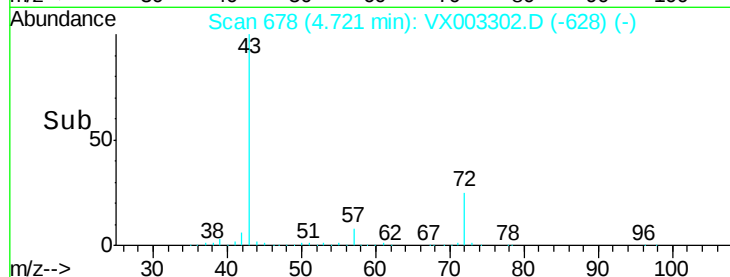
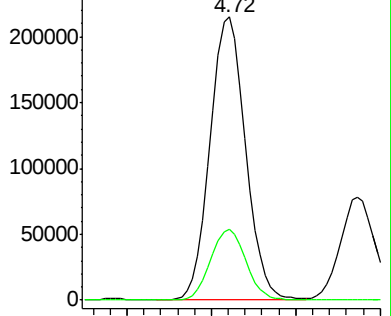
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 33.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003302.D

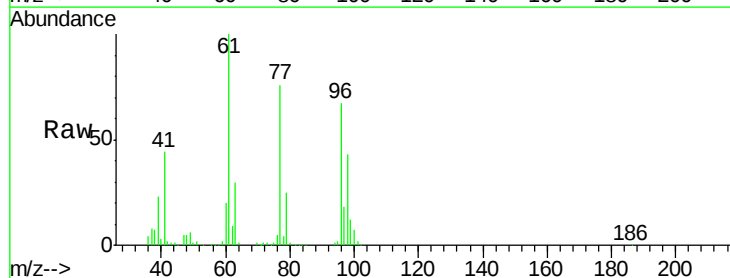
Acq: 10 Jul 2018 23:43

Tgt Ion: 77 Resp: 147122

Ion Ratio Lower Upper

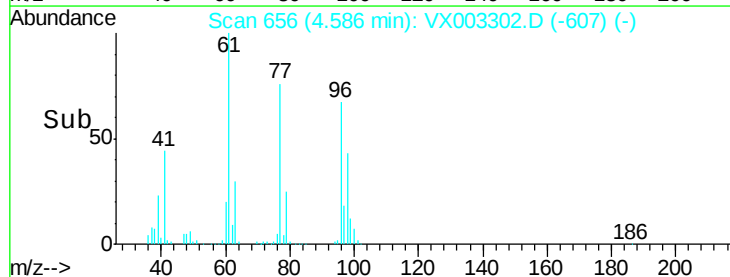
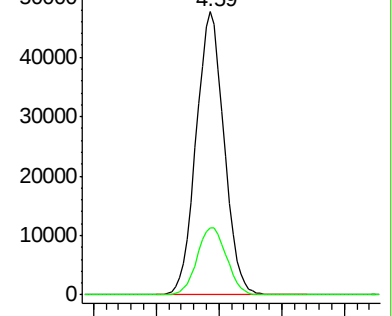
77 100

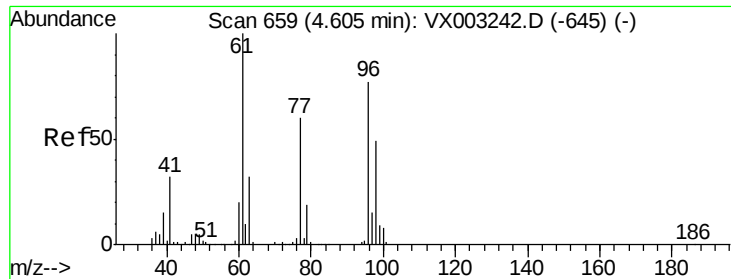
97 25.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

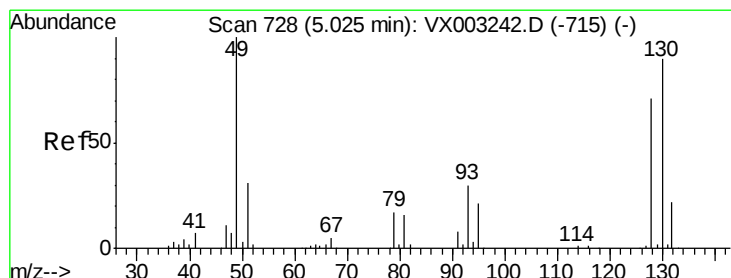
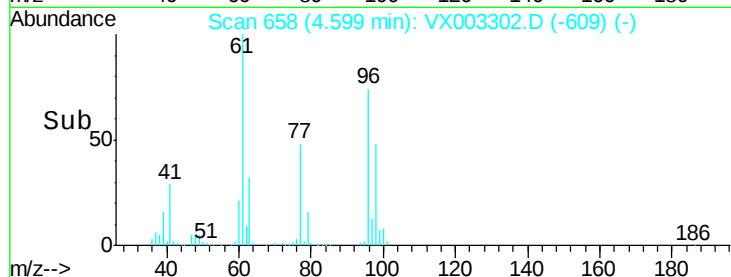
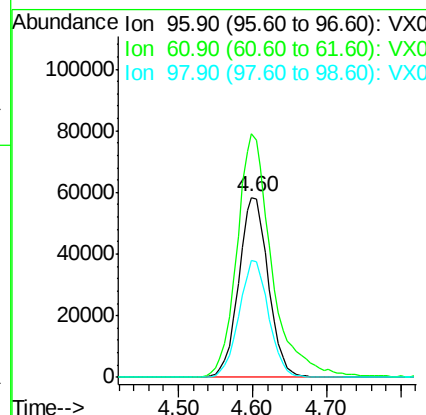
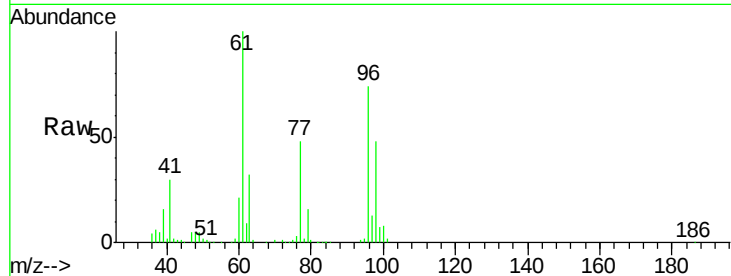
cis-1,2-Dichloroethene  
Concen: 47.98 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 162559 |       |       |
| 61      | 160.1 | 0.0    | 330.2 |       |
| 98      | 65.0  | 0.0    | 130.2 |       |

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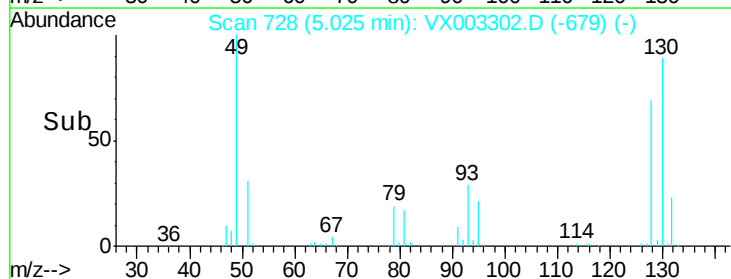
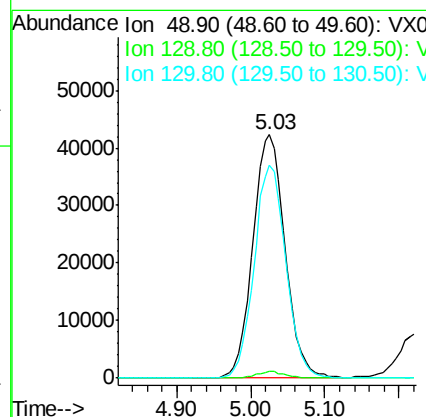
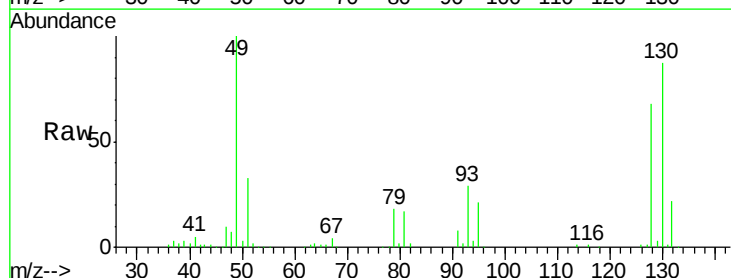
MMDadoda  
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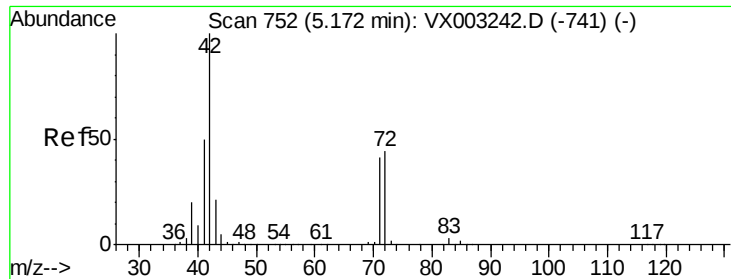


#28

Bromochloromethane  
Concen: 50.22 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 128343 |       |       |
| 129     | 2.4   | 0.0    | 4.2   |       |
| 130     | 86.3  | 61.2   | 91.8  |       |





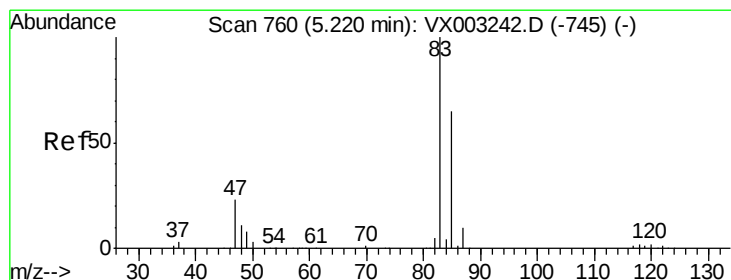
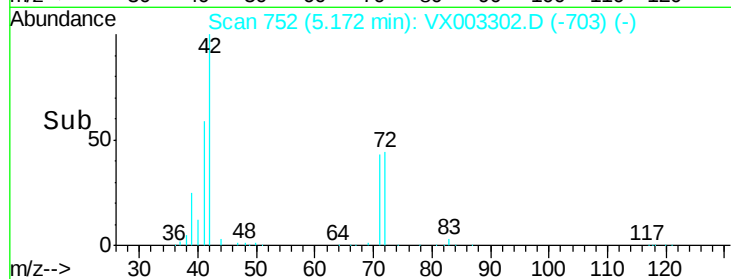
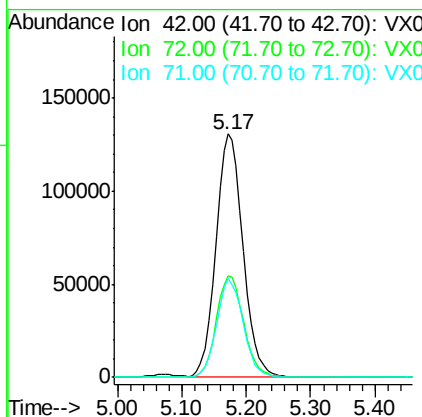
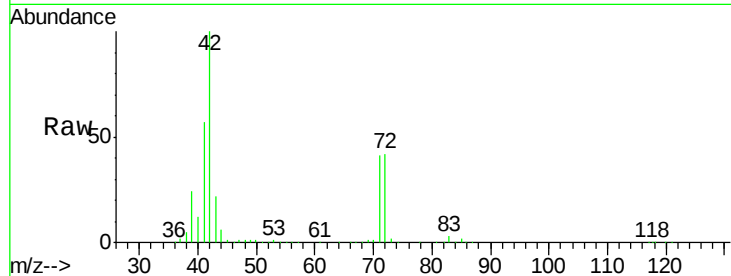
#29  
Tetrahydrofuran  
Concen: 261.34 ug/l  
RT: 5.17 min Scan# 752  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.5  | 32.0  | 48.0  |
| 71      | 40.0  | 30.1  | 45.1  |

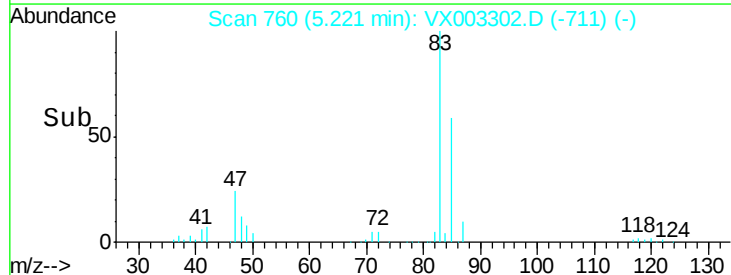
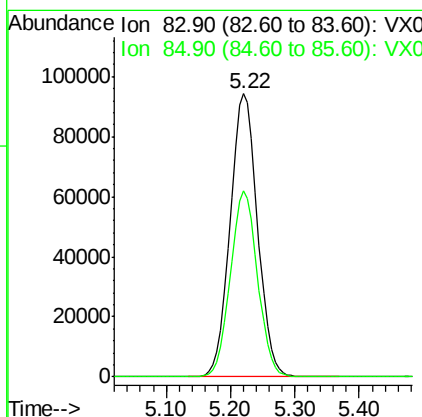
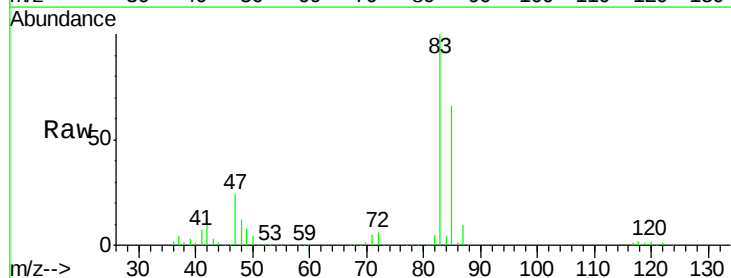
Manual Integrations  
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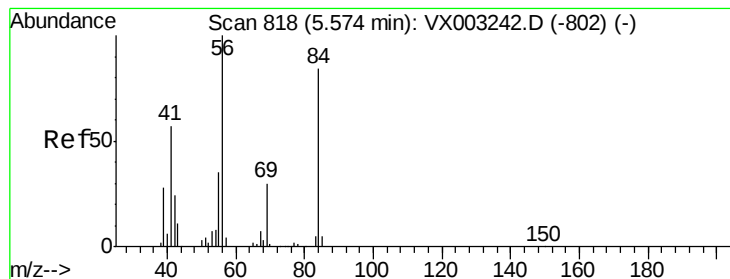
MMDadoda  
7/11/2018 3:09:29 PM



#30  
Chloroform  
Concen: 50.11 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 50.4  | 75.6  |





#31

Cyclohexane

Concen: 49.13 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

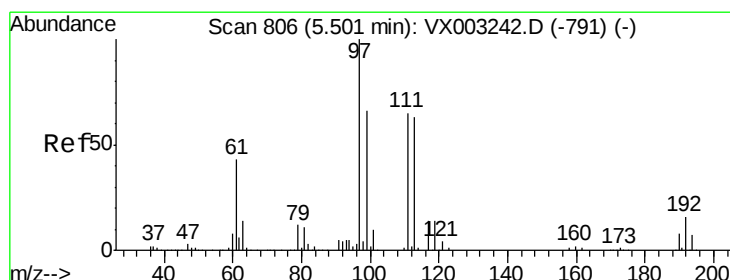
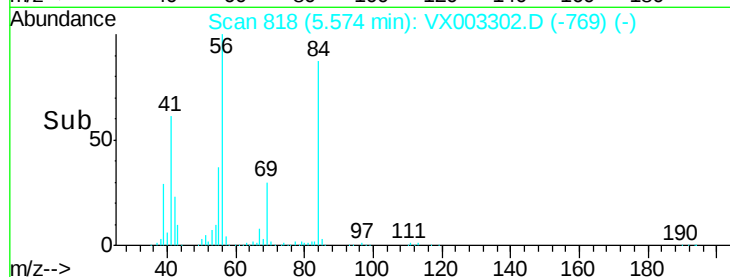
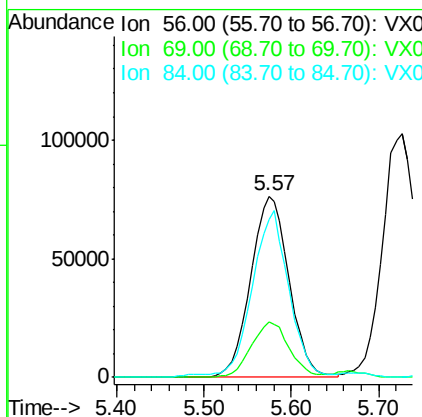
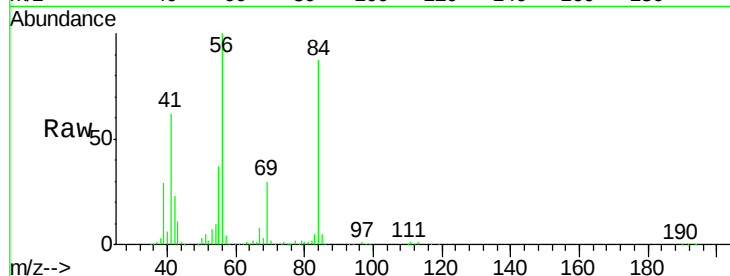
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 233380 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 30.4  | 23.7  | 35.5   |
| 84       | 85.6  | 64.1  | 96.1   |

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#32

1,1,1-Trichloroethane

Concen: 50.10 ug/l

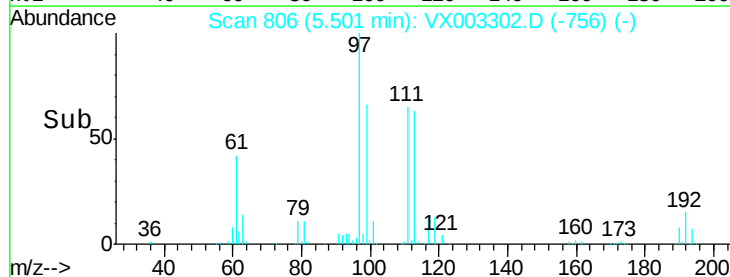
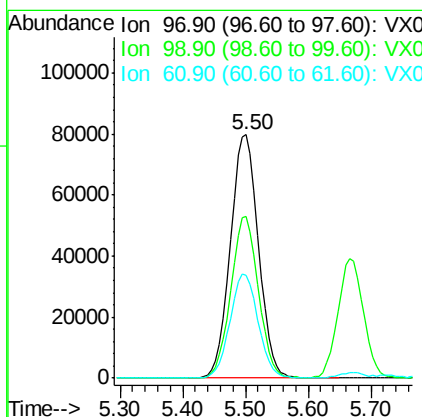
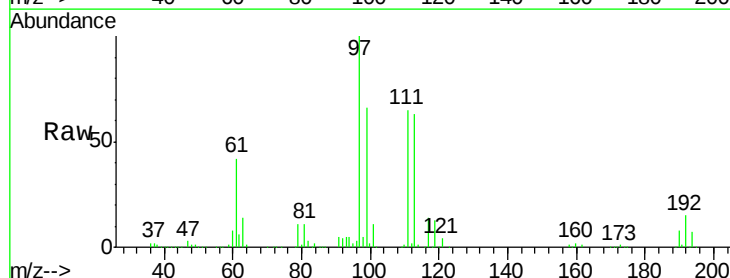
RT: 5.50 min Scan# 806

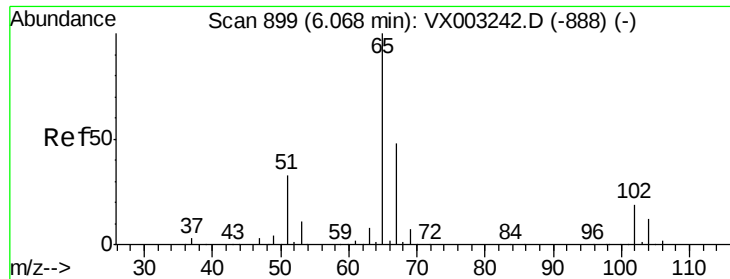
Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 246598 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.2  | 51.6  | 77.4   |
| 61       | 42.9  | 36.4  | 54.6   |





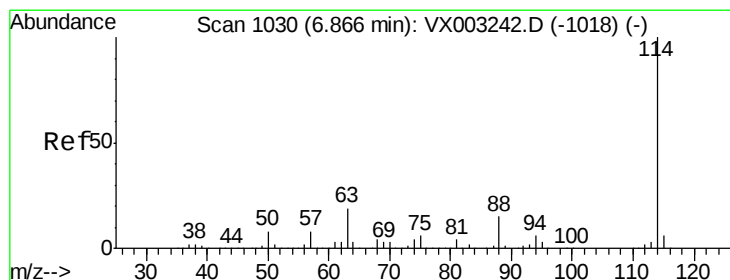
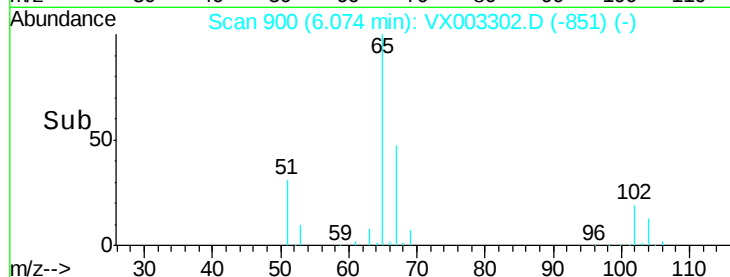
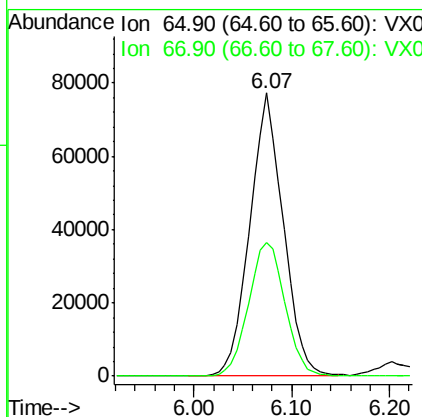
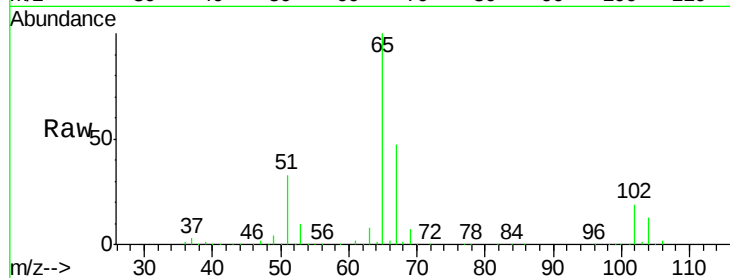
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.61 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 183289 |       |       |
| 67      | 51.5  | 0.0    | 102.6 |       |

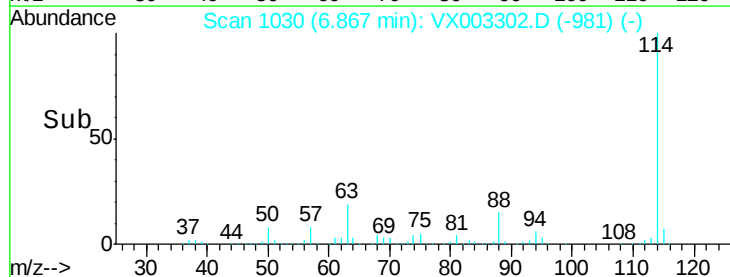
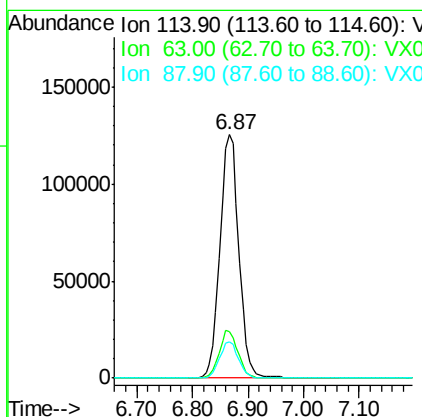
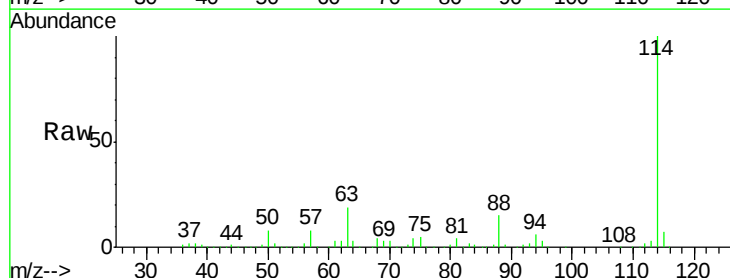
Manual Integrations  
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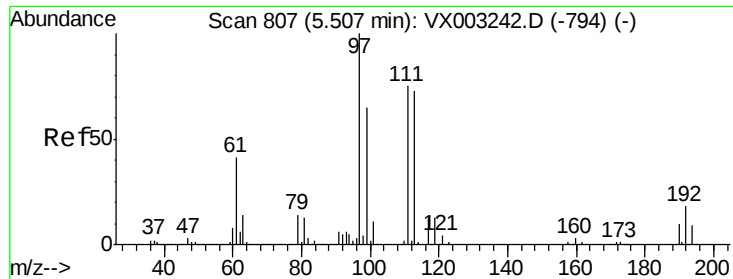
MMDadoda  
 7/11/2018 3:09:29 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 295307 |       |       |
| 63      | 19.2  | 0.0    | 41.4  |       |
| 88      | 15.0  | 0.0    | 30.0  |       |





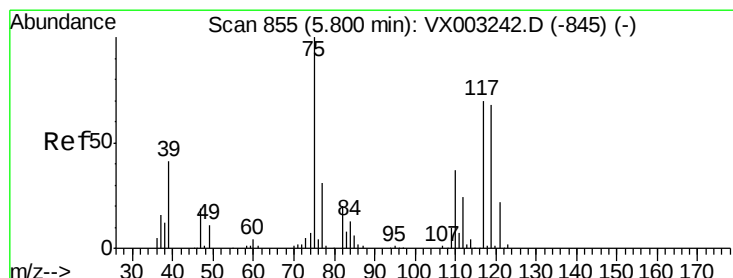
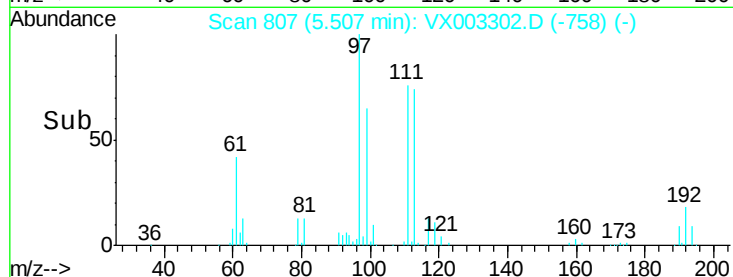
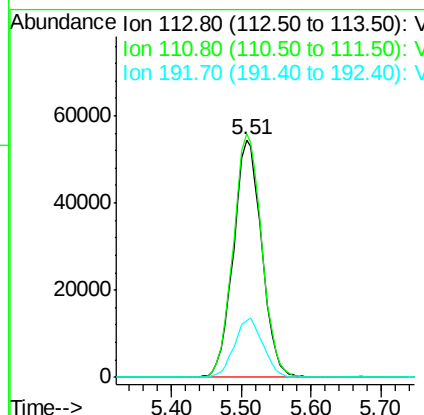
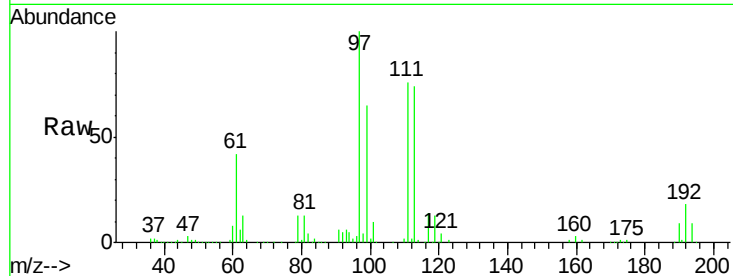
#35  
 Dibromofluoromethane  
 Concen: 48.13 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 152700 |       |       |
| 111     | 103.5 | 81.4   | 122.0 |       |
| 192     | 25.2  | 19.1   | 28.7  |       |

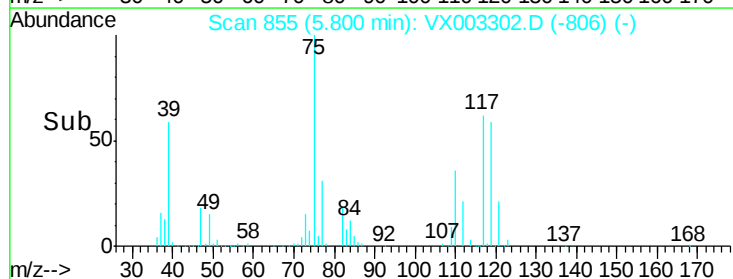
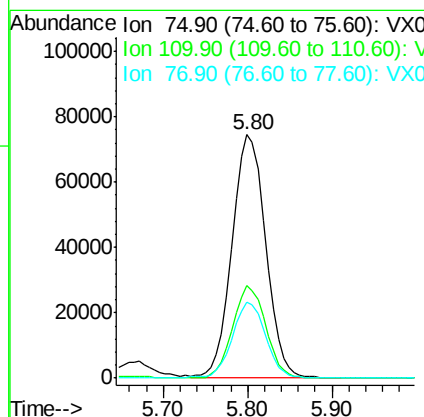
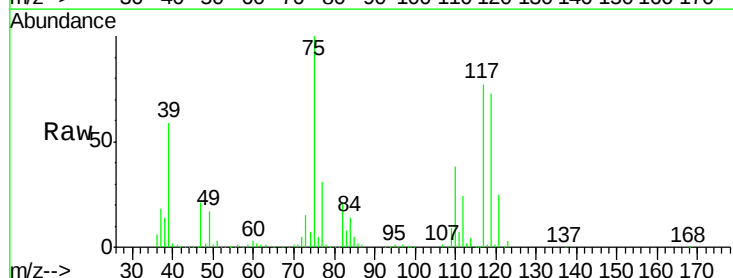
Manual Integrations  
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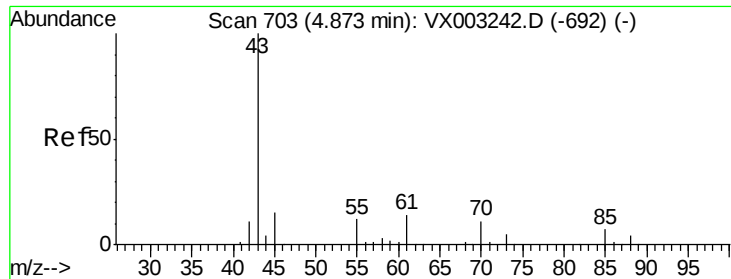
MMDadoda  
 7/11/2018 3:09:29 PM



#36  
 1,1-Dichloropropene  
 Concen: 48.03 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 200769 |       |       |
| 110     | 37.5  | 18.1   | 54.4  |       |
| 77      | 31.6  | 24.3   | 36.5  |       |





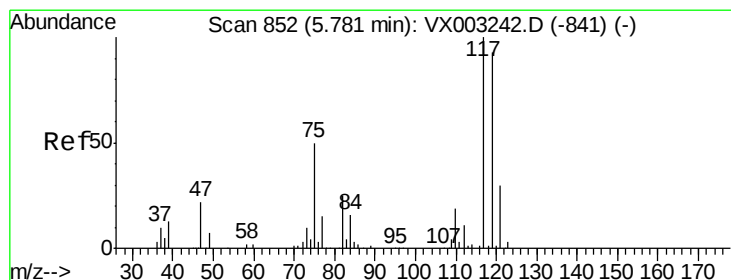
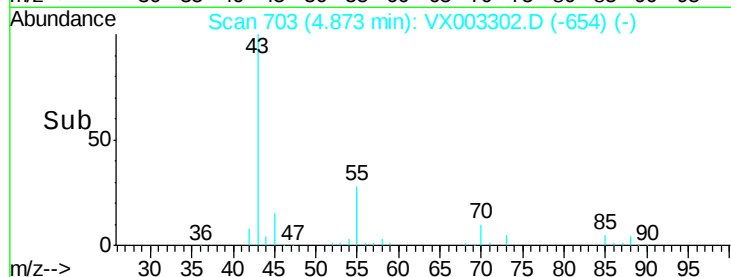
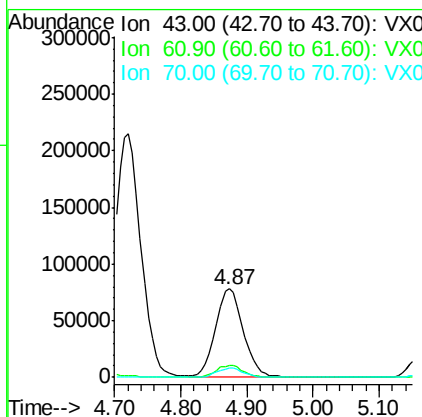
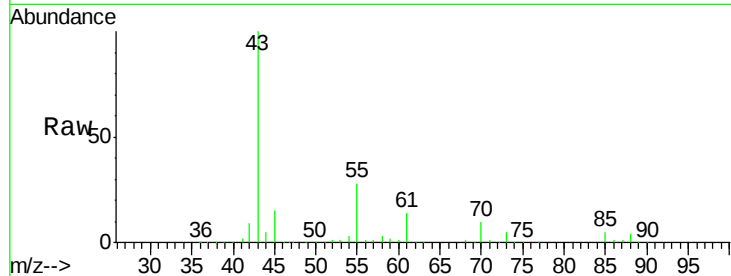
#37  
Ethyl Acetate  
Concen: 49.77 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.2  | 10.4  | 15.6  |
| 70      | 10.3  | 7.6   | 11.4  |

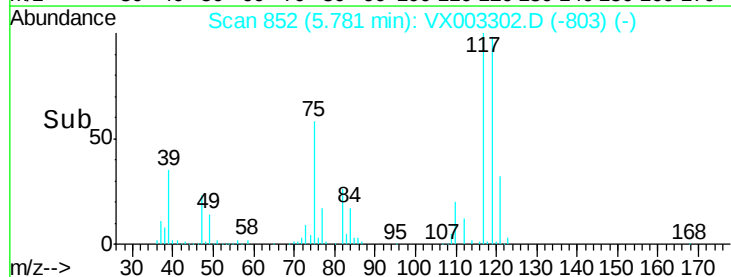
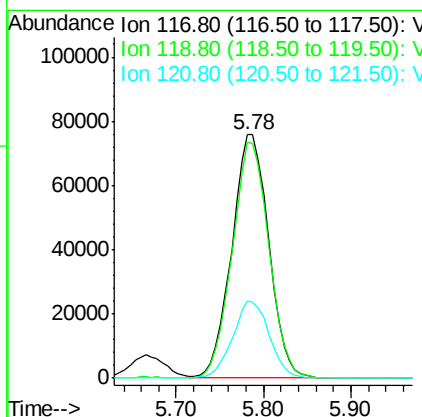
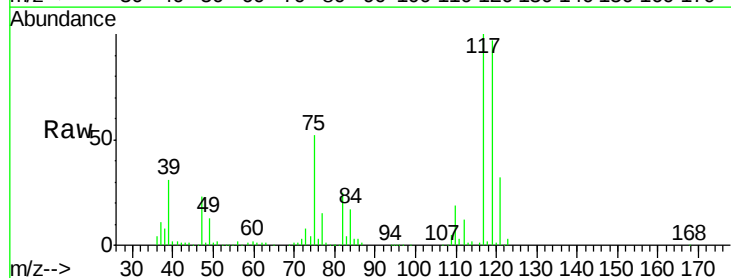
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 48.57 ug/l  
RT: 5.78 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.0  | 77.4  | 116.0 |
| 121     | 31.9  | 24.4  | 36.6  |





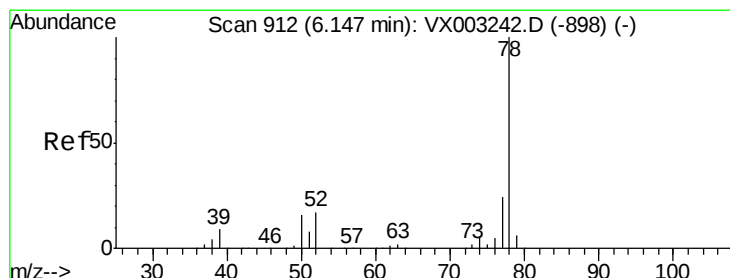
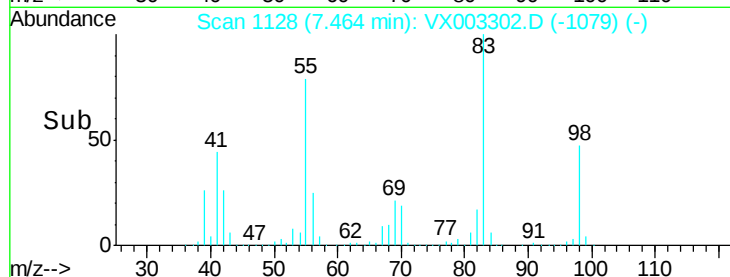
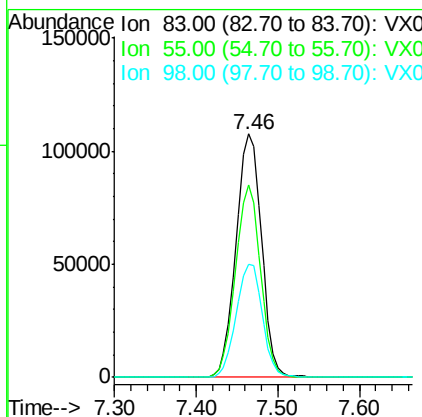
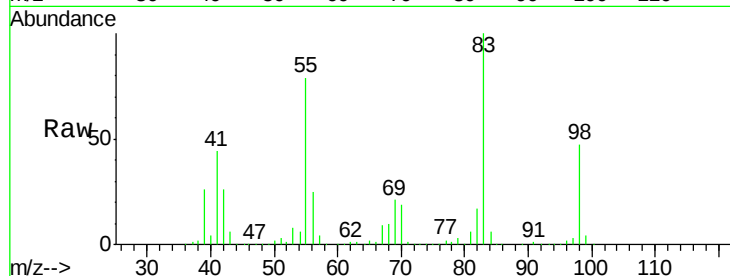
#39  
Methvlcvclohexane  
Concen: 47.27 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.9  | 65.4  | 98.0  |
| 98      | 46.6  | 37.4  | 56.0  |

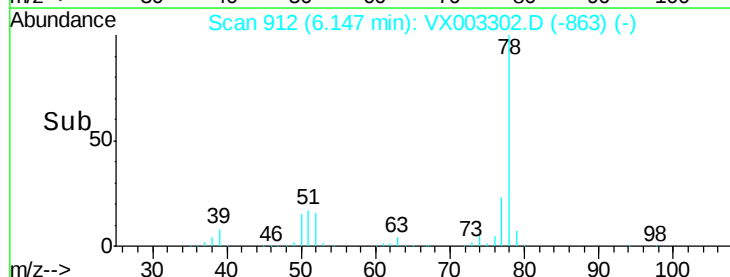
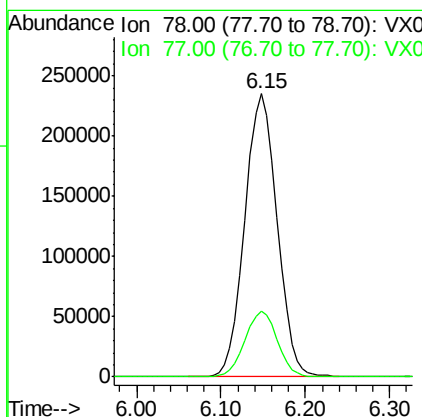
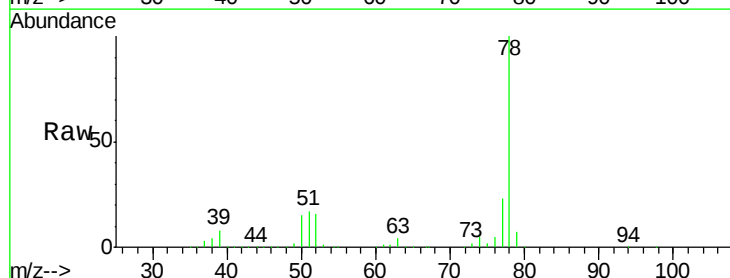
Manual Integrations  
APPROVED

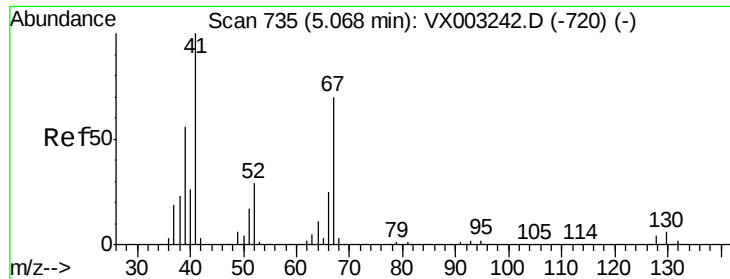
MMDadoda  
7/11/2018 3:09:29 PM



#40  
Benzene  
Concen: 49.33 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.1  | 28.7  |





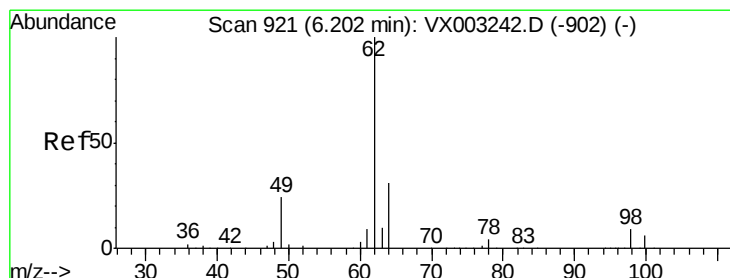
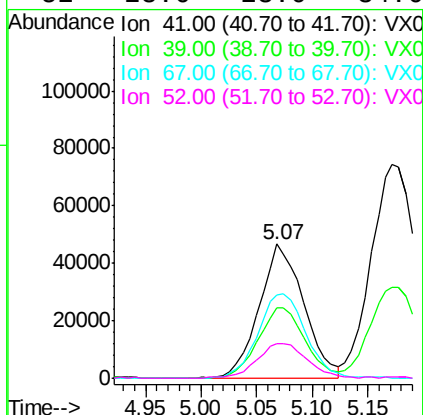
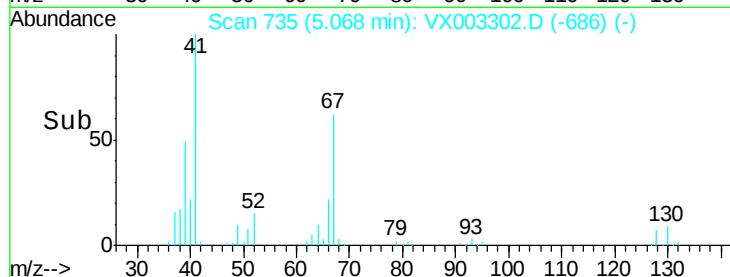
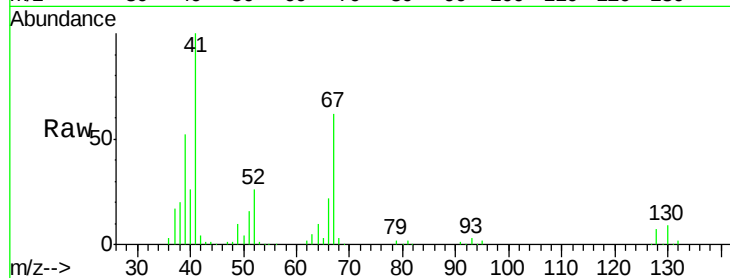
#41  
Methacrylonitrile  
Concen: 51.64 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 55.1 | 45.8  | 68.6  |       |
| 67      | 67.9 | 51.3  | 76.9  |       |
| 52      | 28.6 | 23.0  | 34.6  |       |

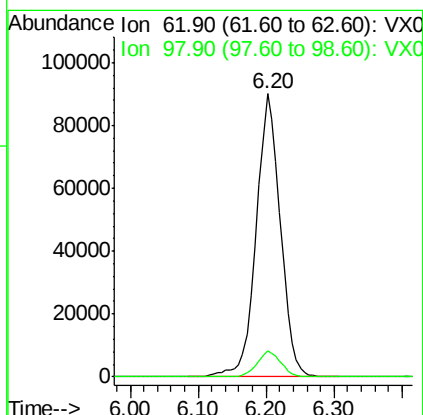
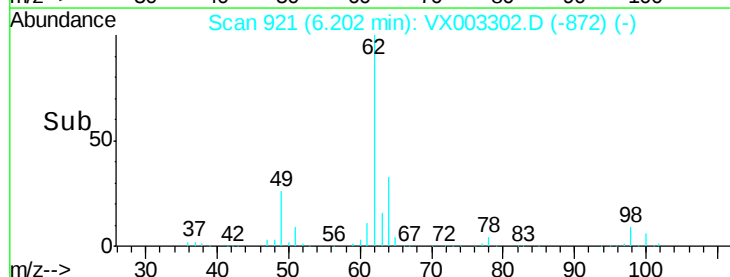
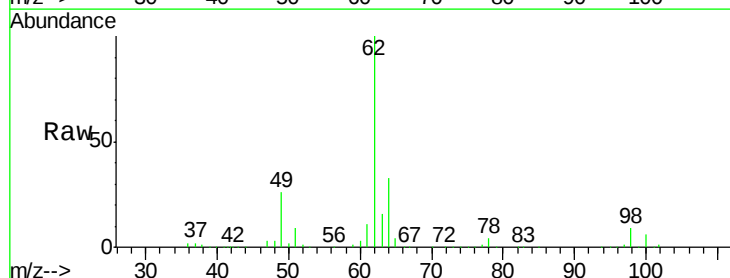
Manual Integrations  
APPROVED

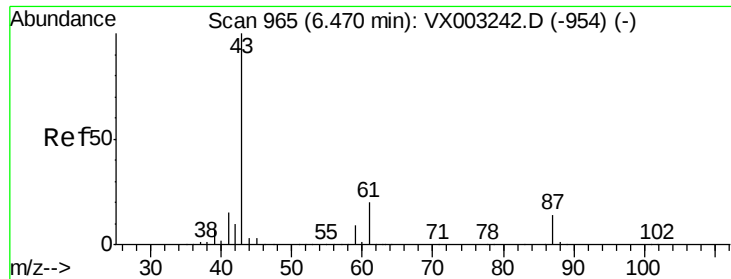
MMDadoda  
7/11/2018 3:09:29 PM



#42  
1,2-Dichloroethane  
Concen: 48.27 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.0 | 0.0   | 16.6  |       |





#43

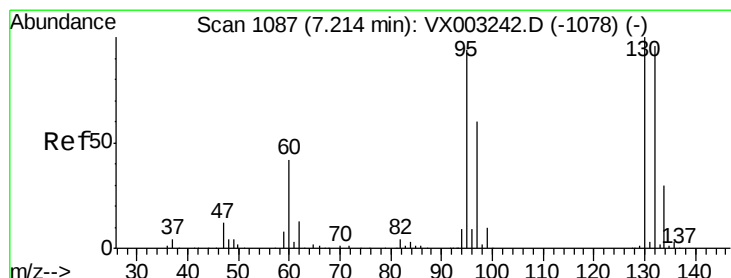
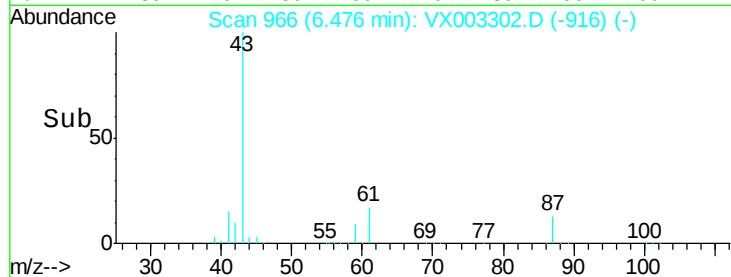
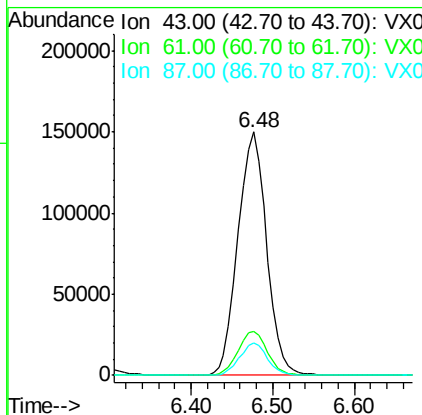
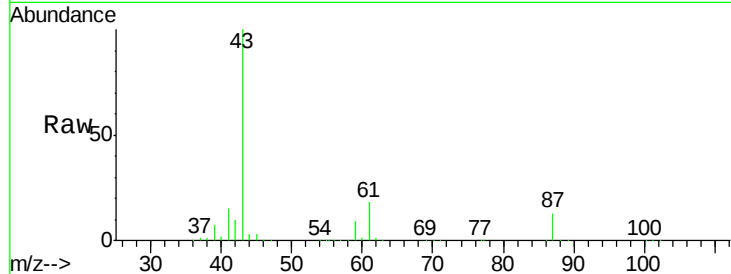
Isopropyl Acetate  
 Concen: 50.69 ug/l  
 RT: 6.48 min Scan# 966  
 Delta R.T. 0.01 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.7  | 14.4  | 21.6  |
| 87      | 12.8  | 9.5   | 14.3  |

Manual Integrations  
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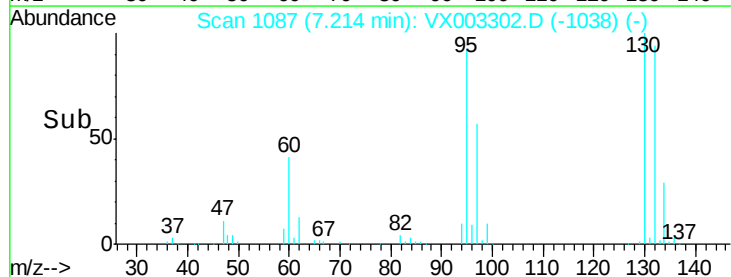
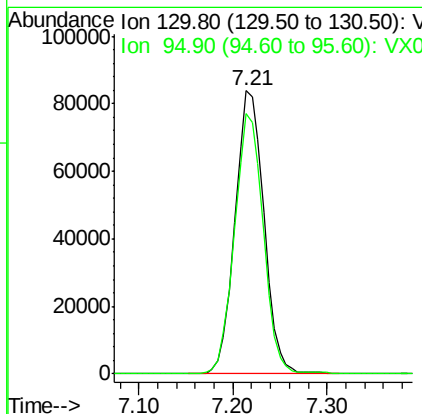
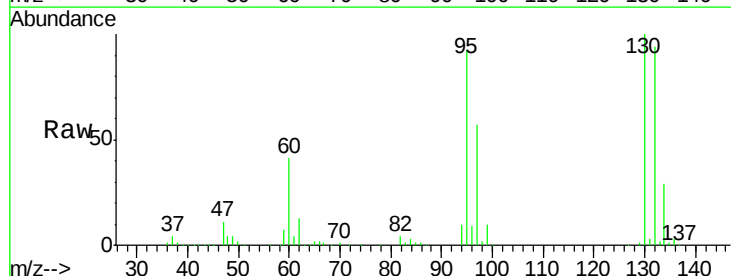
MMDadoda  
 7/11/2018 3:09:29 PM

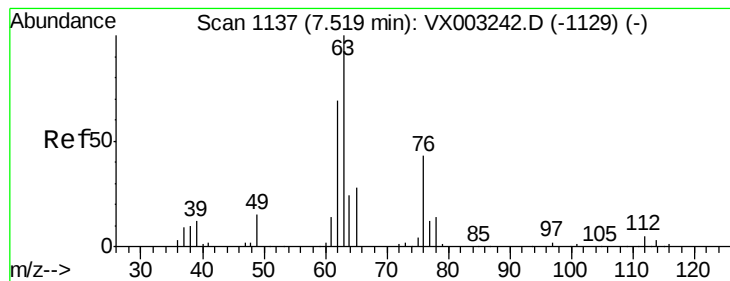


#44

Trichloroethene  
 Concen: 49.01 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.2  | 0.0   | 185.4 |





#45

1,2-Dichloropropane

Concen: 48.15 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 155089

Ion Ratio Lower Upper

63 100

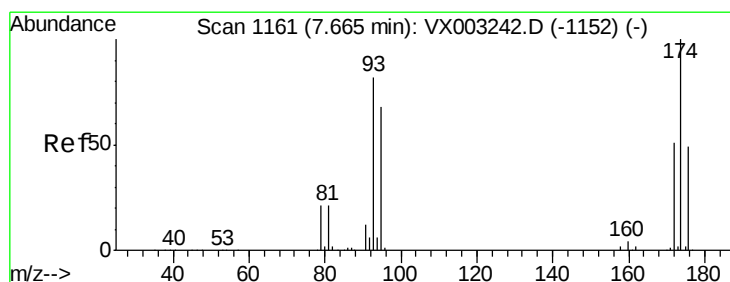
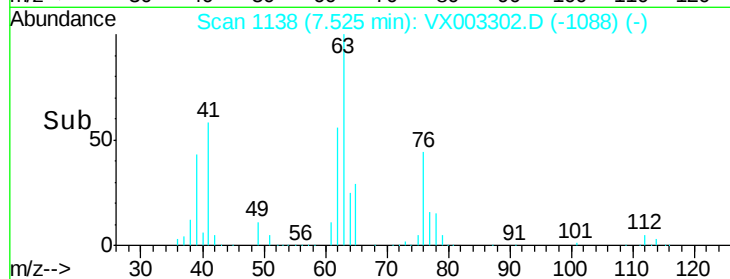
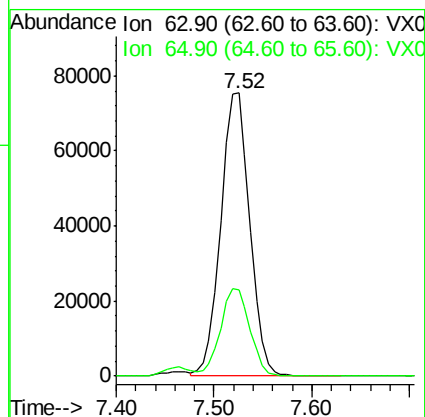
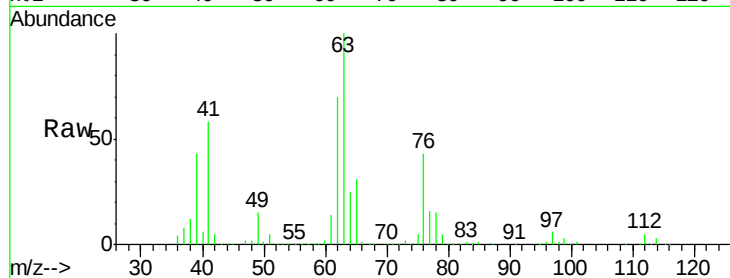
65 30.6 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 49.76 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

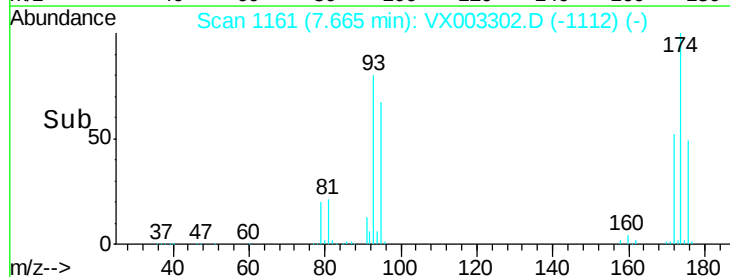
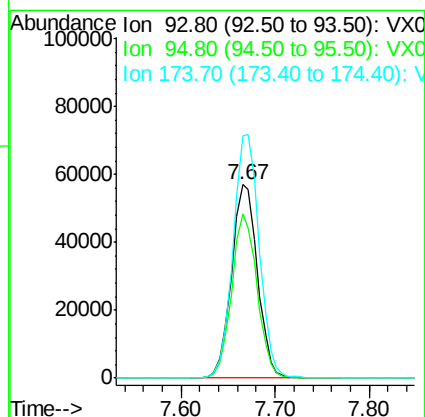
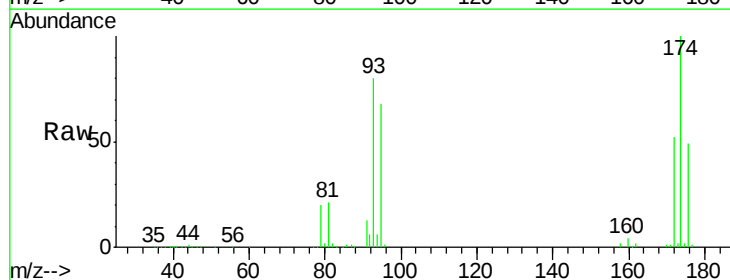
Tgt Ion: 93 Resp: 109245

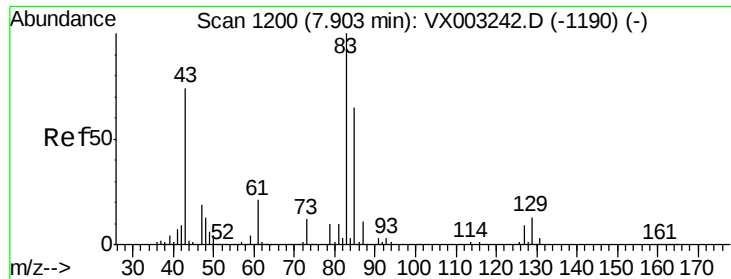
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 126.6 92.4 138.6





#47

Bromodichloromethane

Concen: 50.14 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

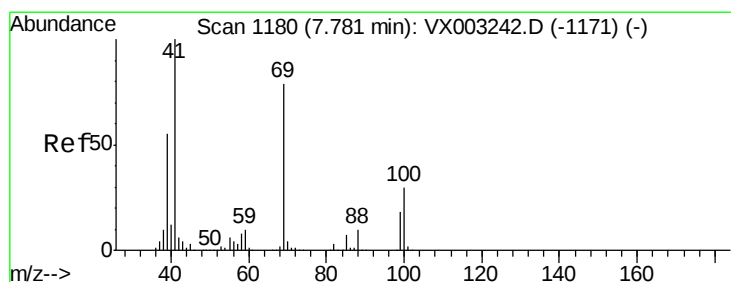
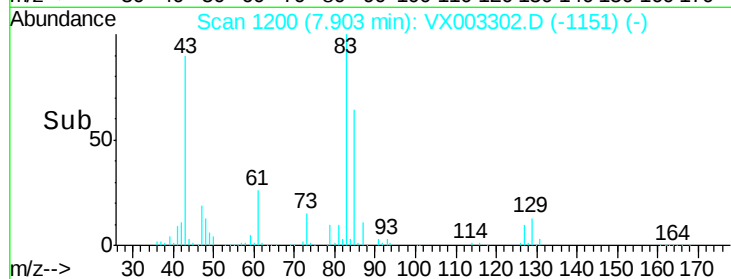
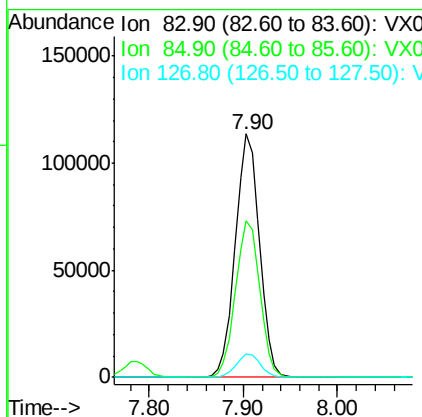
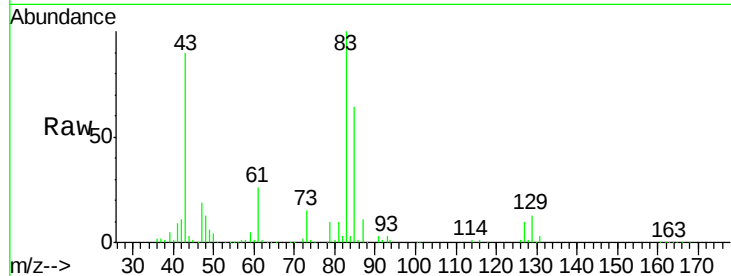
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 203089 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 50.3  | 75.5   |
| 127       | 9.7   | 7.0   | 10.4   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 51.29 ug/l

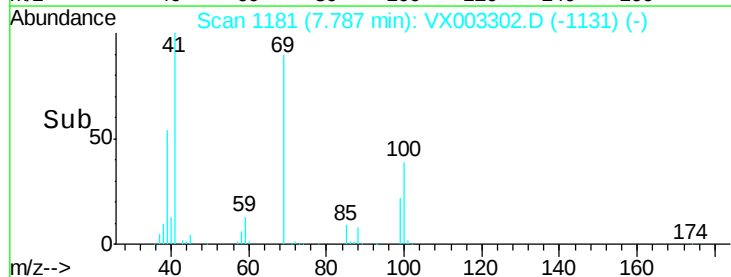
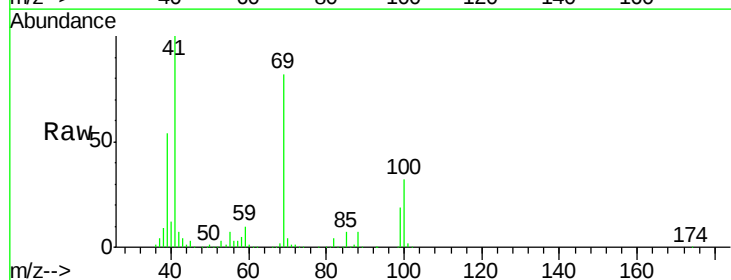
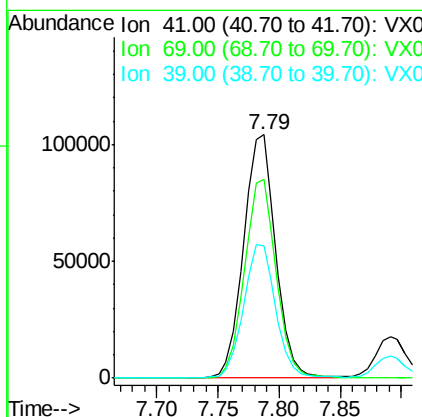
RT: 7.79 min Scan# 1181

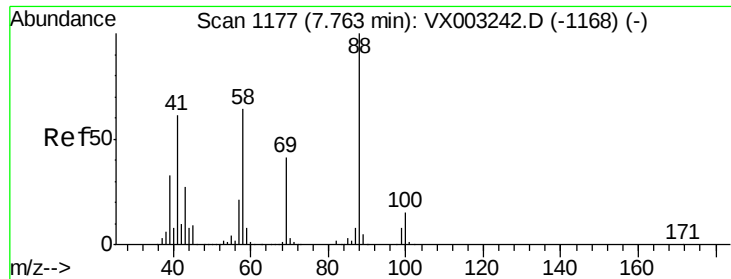
Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 189316 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 81.4  | 59.1  | 88.7   |
| 39        | 55.1  | 48.9  | 73.3   |





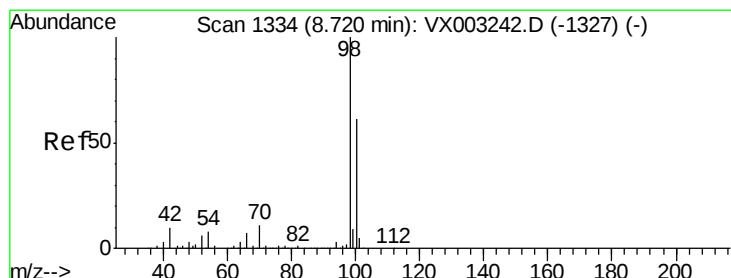
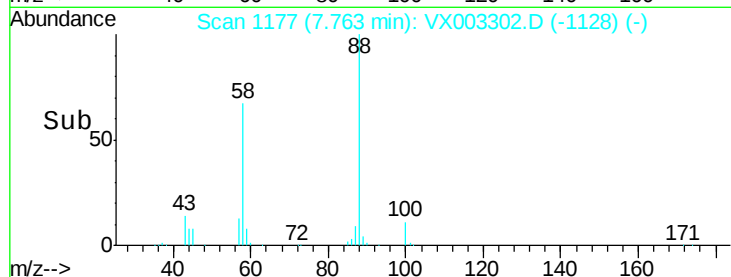
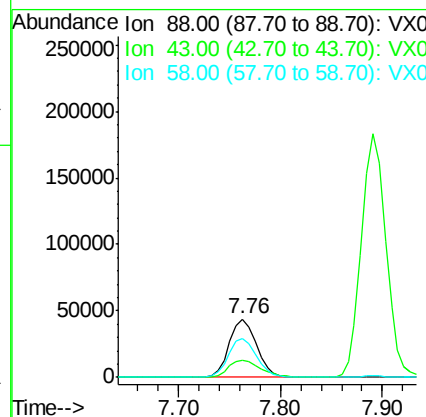
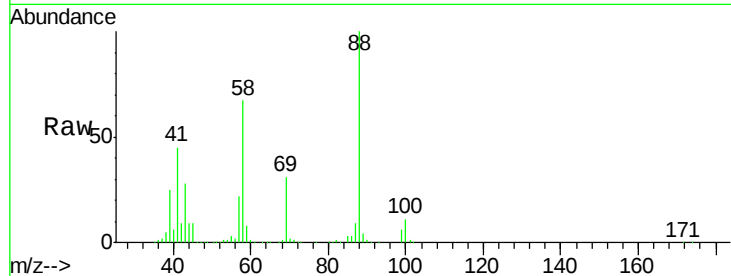
#49  
1,4-Dioxane  
Concen: 1060.68 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.2  | 29.8  | 44.6  |
| 58      | 69.1  | 57.1  | 85.7  |

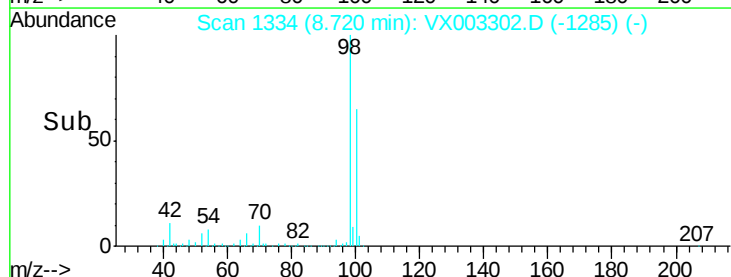
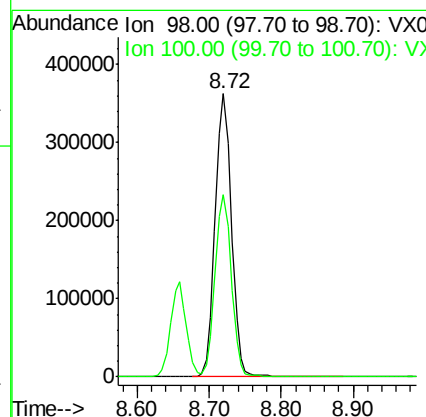
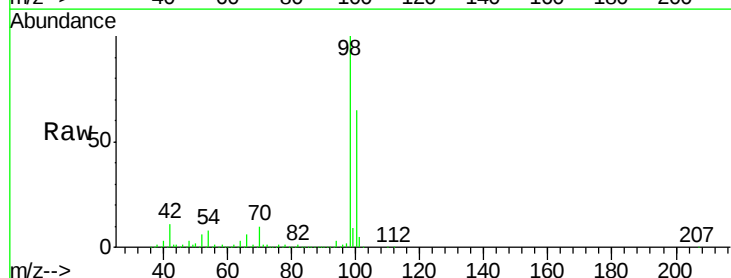
Manual Integrations  
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#50  
Toluene-d8  
Concen: 50.47 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.2  | 50.9  | 76.3  |





#51

4-Methyl-2-Pentanone

Concen: 261.78 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1172844

Ion Ratio Lower Upper

43 100

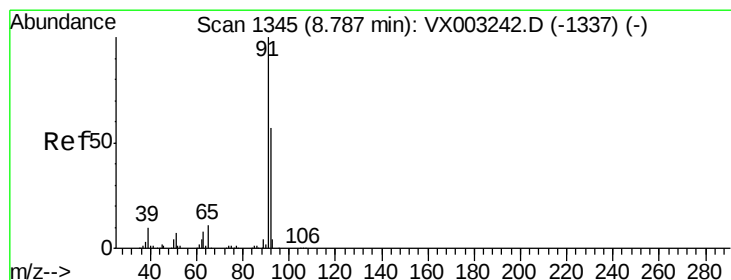
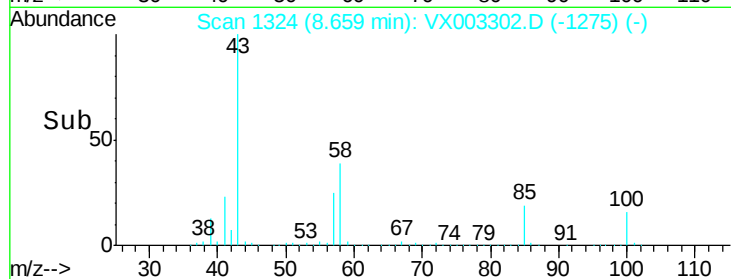
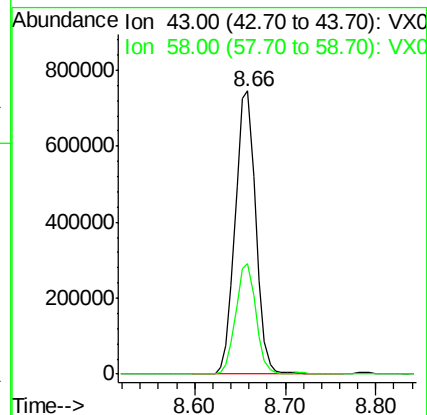
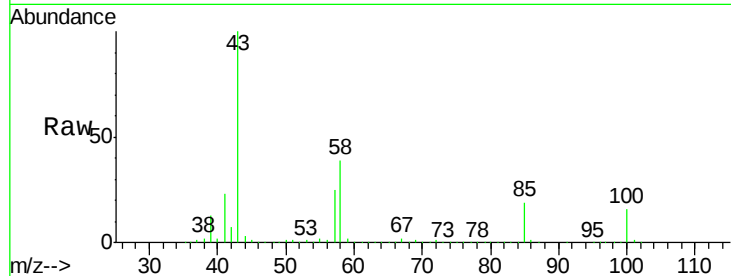
58 38.2 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 50.64 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003302.D

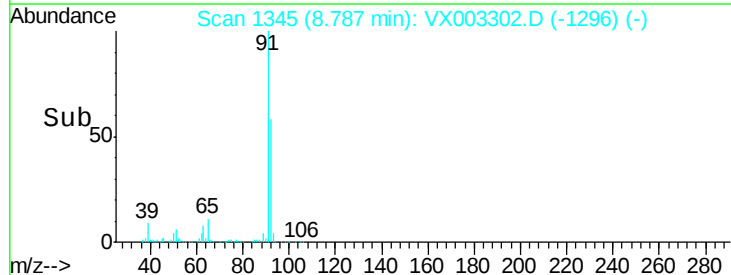
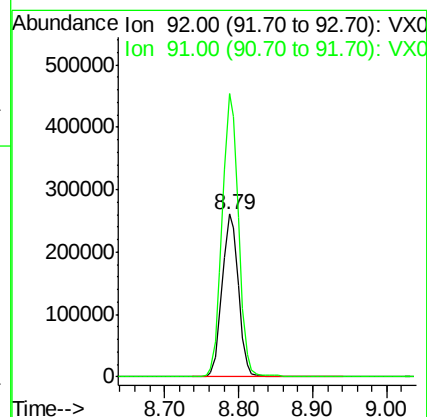
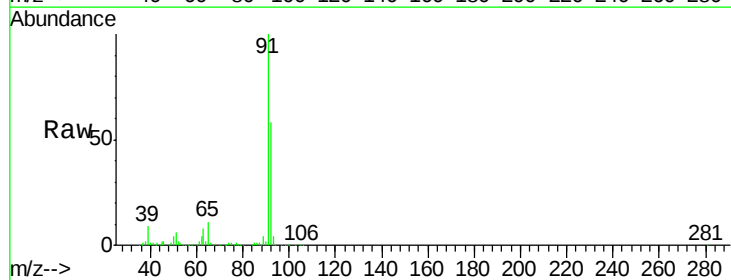
Acq: 10 Jul 2018 23:43

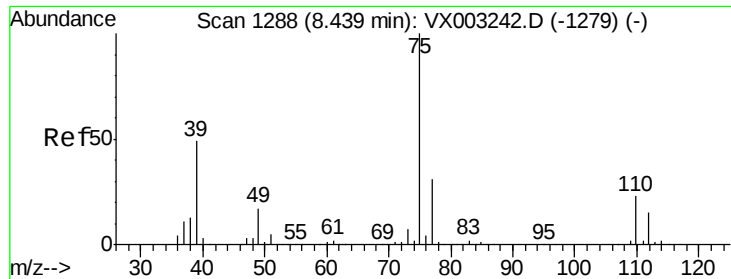
Tgt Ion: 92 Resp: 396585

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





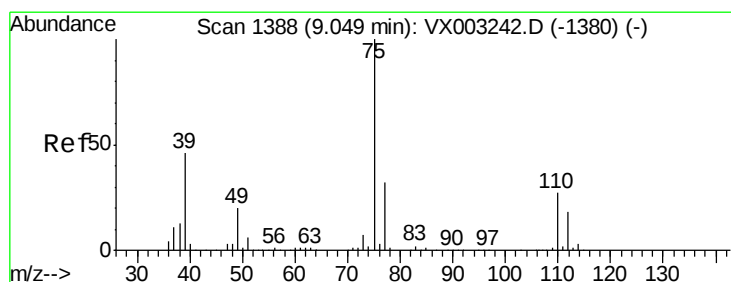
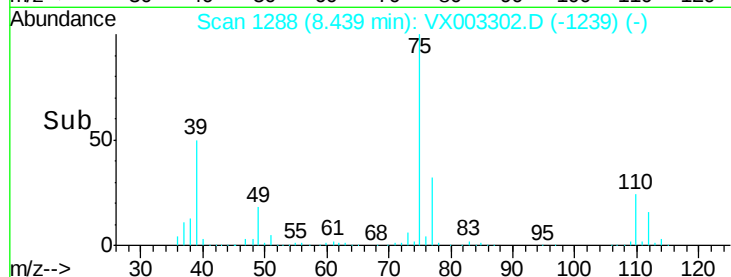
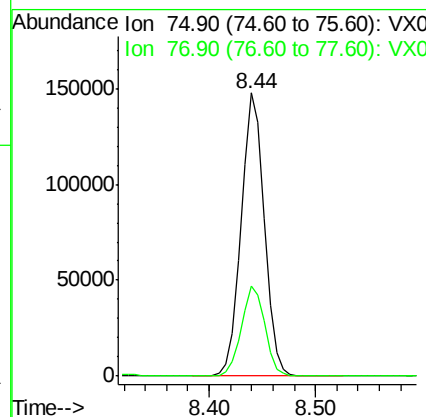
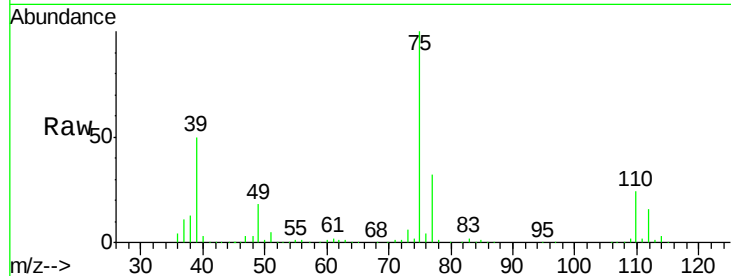
#53  
t-1,3-Dichloropropene  
Concen: 47.45 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 226167  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.4 38.2

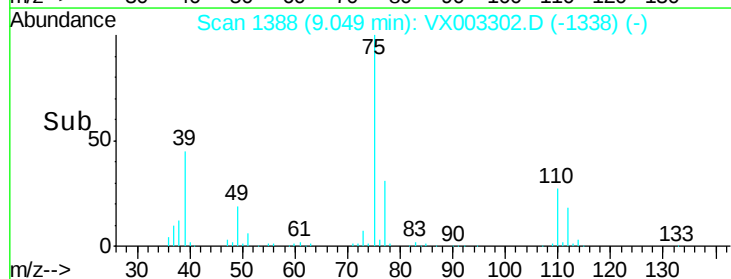
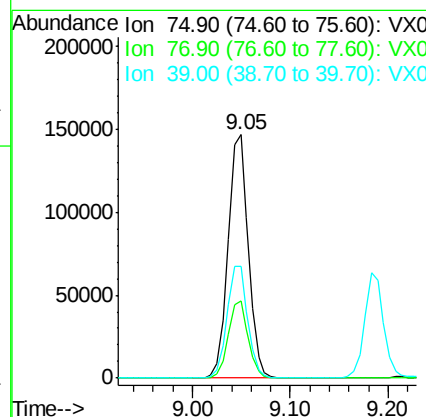
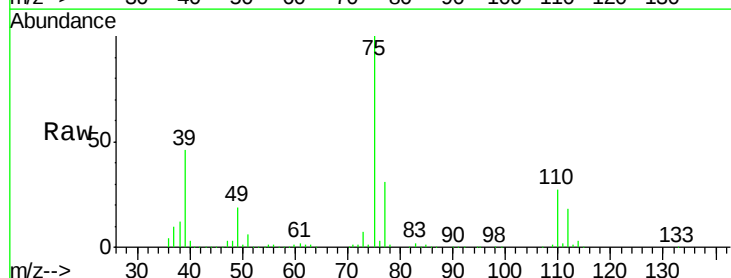
Manual Integrations  
APPROVED

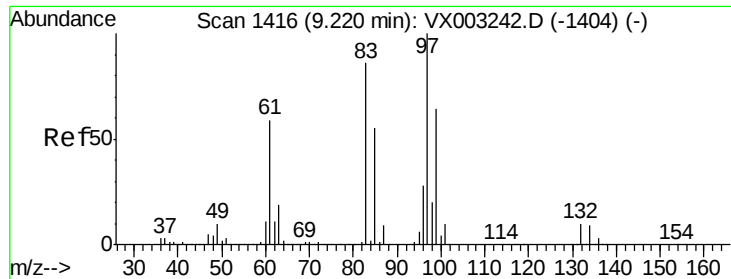
MMDadoda  
7/11/2018 3:09:29 PM



#54  
cis-1,3-Dichloropropene  
Concen: 48.53 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. 0.01 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Tgt Ion: 75 Resp: 210512  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.8 37.2  
39 45.6 42.4 63.6





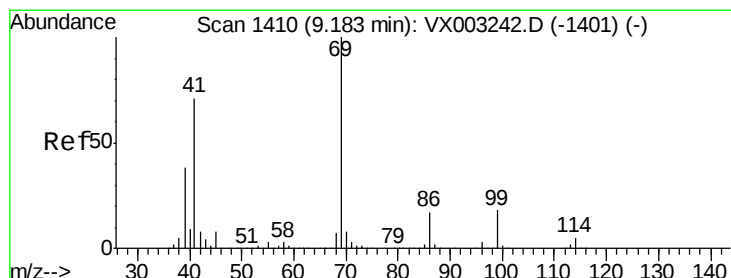
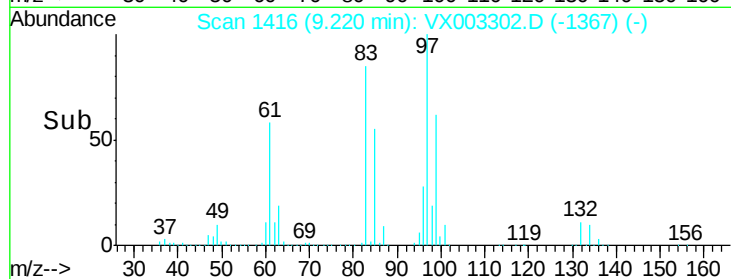
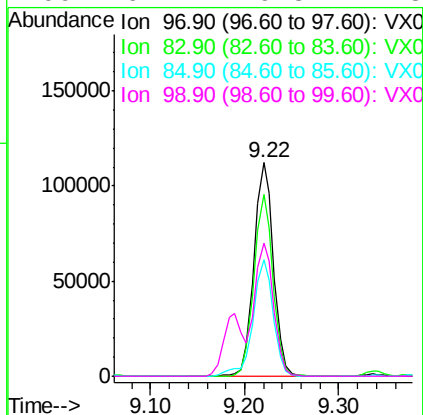
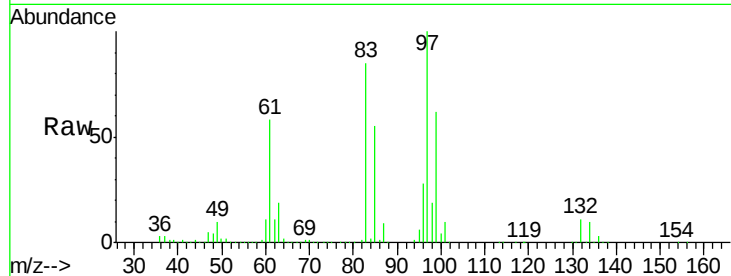
#55  
 1,1,2-Trichloroethane  
 Concen: 50.74 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 164830 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.9  | 70.2  | 105.2  |
| 85       | 54.8  | 44.9  | 67.3   |
| 99       | 62.1  | 49.8  | 74.8   |

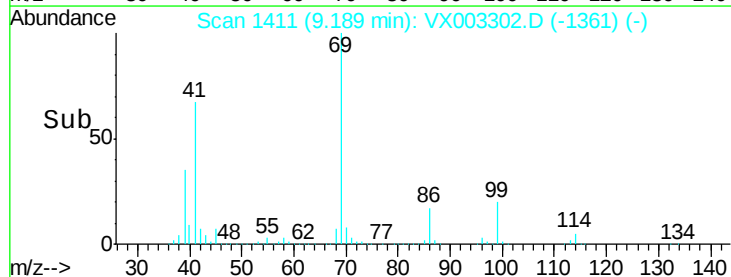
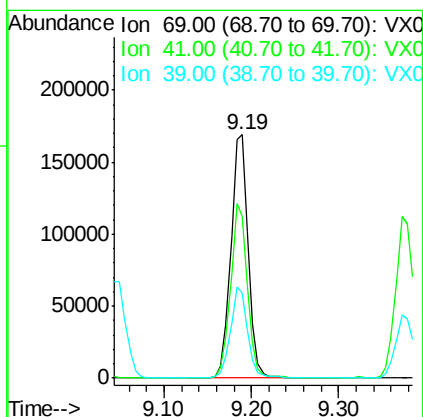
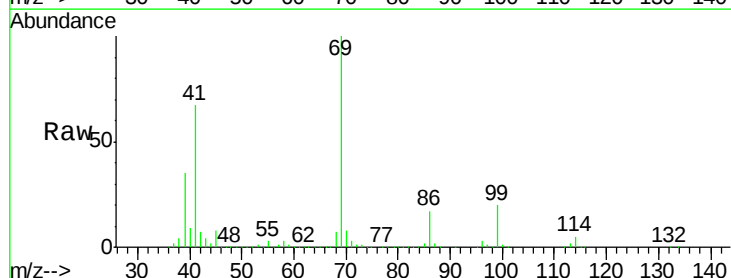
Manual Integrations  
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#56  
 Ethyl methacrylate  
 Concen: 52.60 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. 0.01 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 234074 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.4  | 60.3  | 90.5   |
| 39       | 36.5  | 35.8  | 53.8   |





#57

1,3-Dichloropropane

Concen: 50.28 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 263129

Ion Ratio Lower Upper

76 100

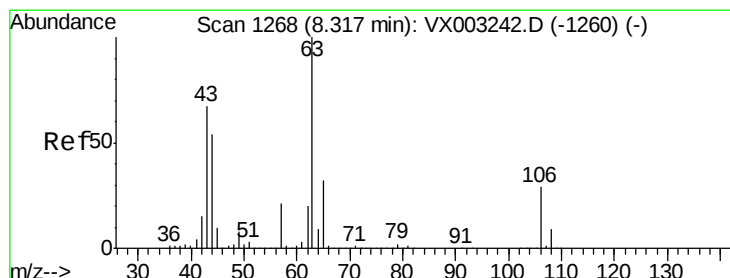
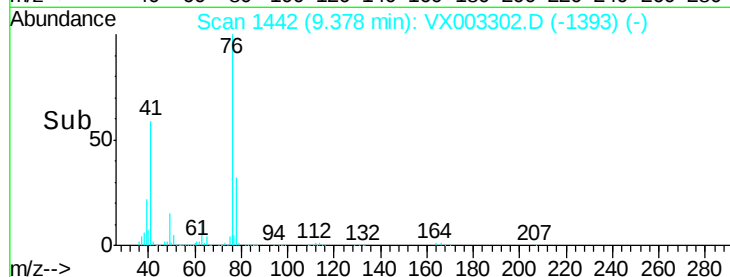
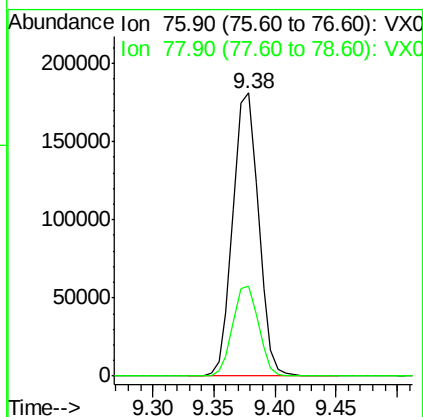
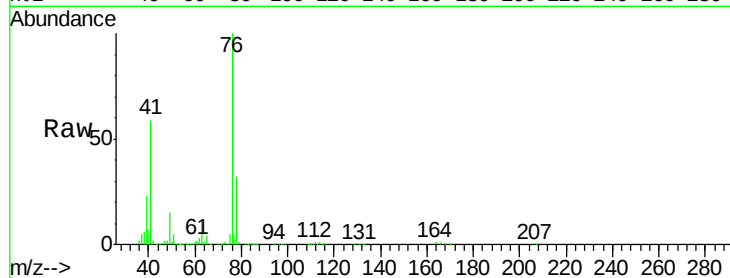
78 32.3 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 269.06 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003302.D

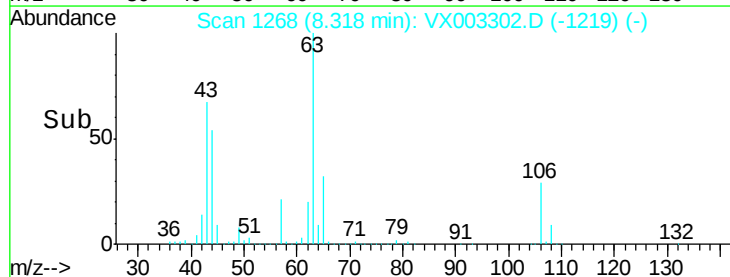
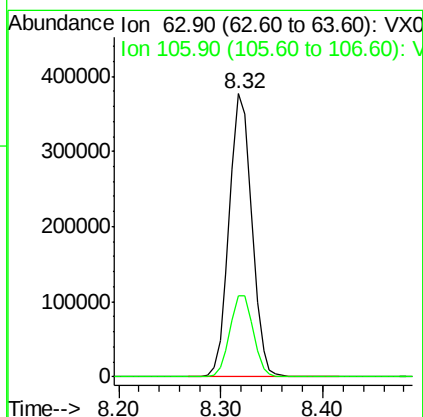
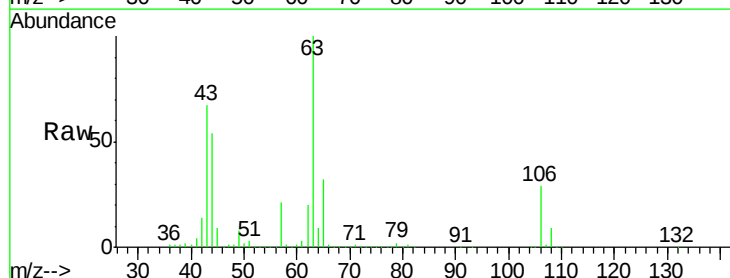
Acq: 10 Jul 2018 23:43

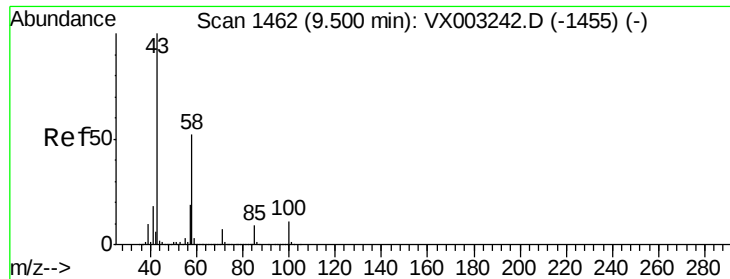
Tgt Ion: 63 Resp: 577533

Ion Ratio Lower Upper

63 100

106 29.8 21.8 32.8





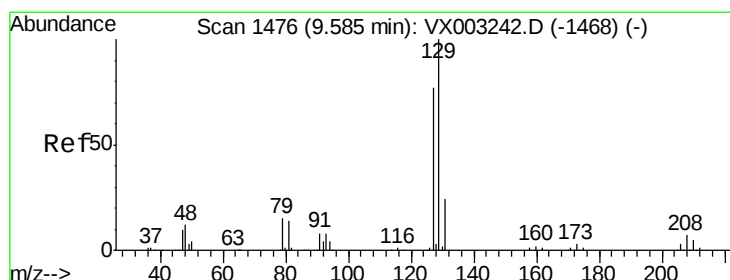
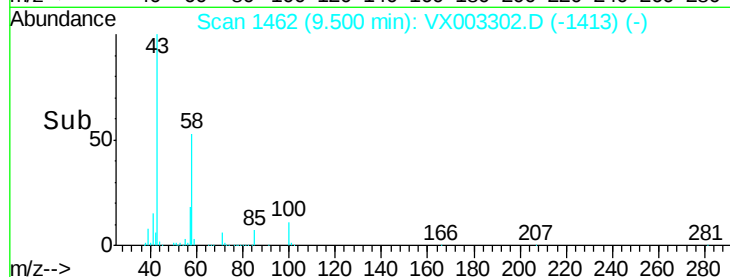
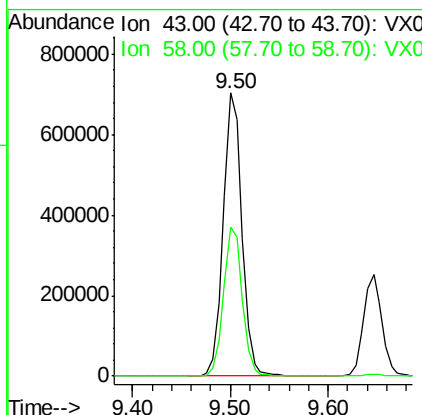
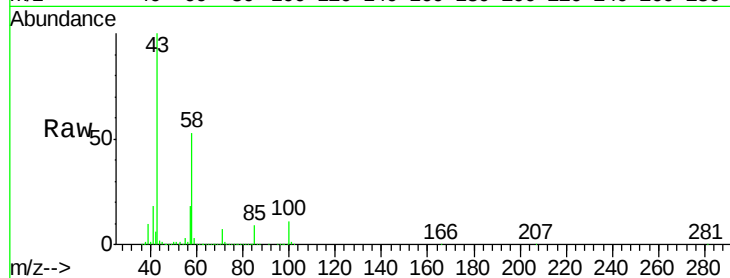
#59  
2-Hexanone  
Concen: 274.03 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 932539  
Ion Ratio Lower Upper  
43 100  
58 52.9 24.6 73.6

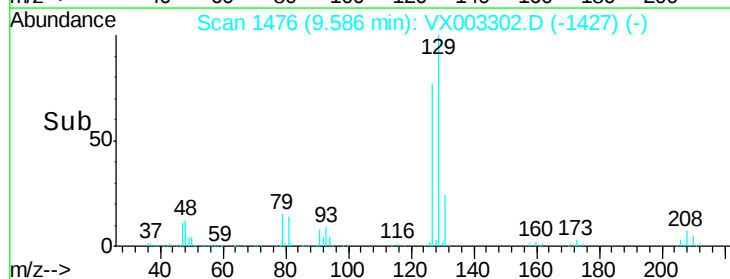
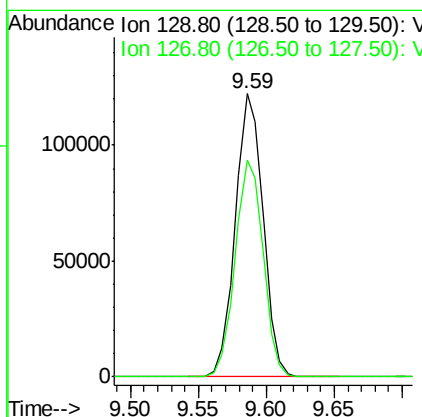
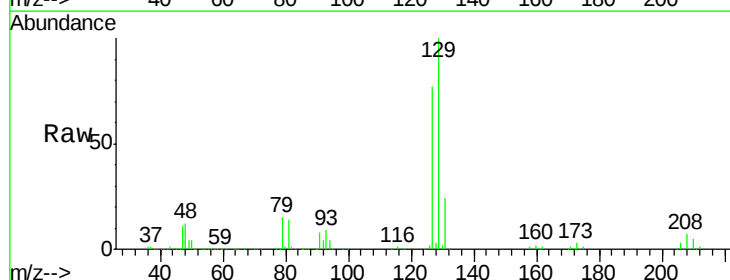
Manual Integrations  
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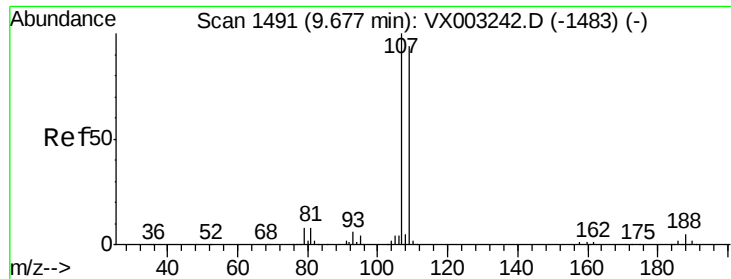
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 51.19 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Tgt Ion: 129 Resp: 173641  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.40 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 175003

Ion Ratio Lower Upper

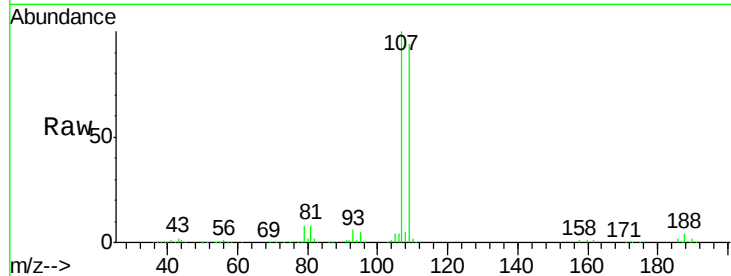
107 100

109 94.1 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

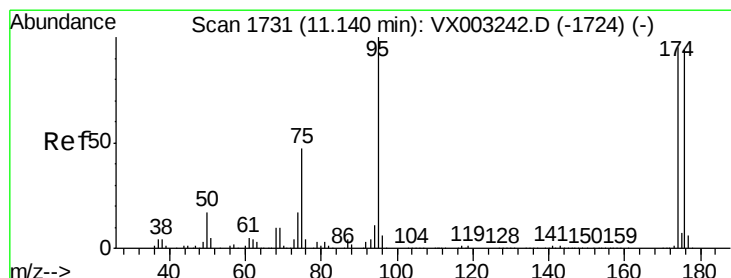
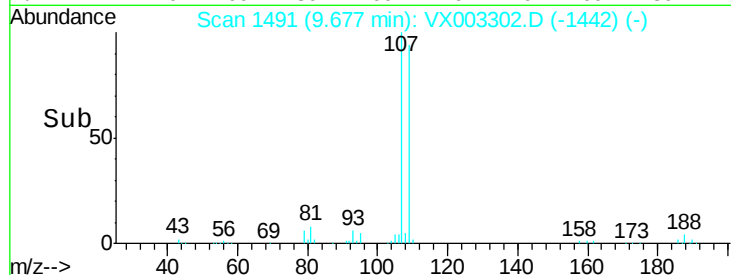
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

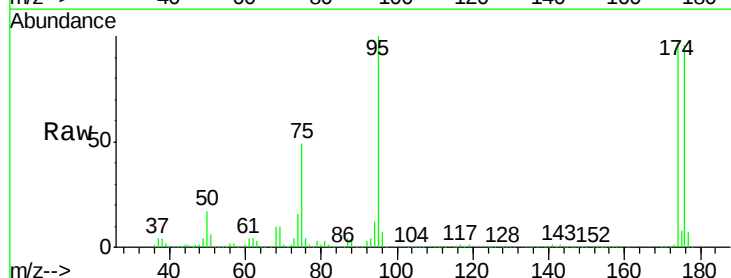
Tgt Ion: 95 Resp: 210101

Ion Ratio Lower Upper

95 100

174 101.7 0.0 187.4

176 98.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

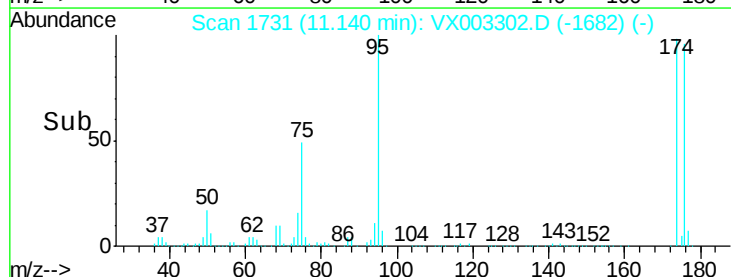
150000

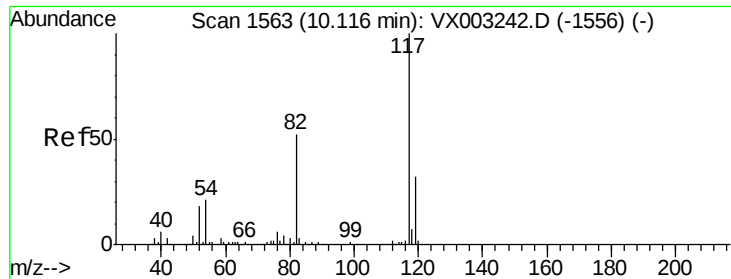
100000

50000

0

Time-->





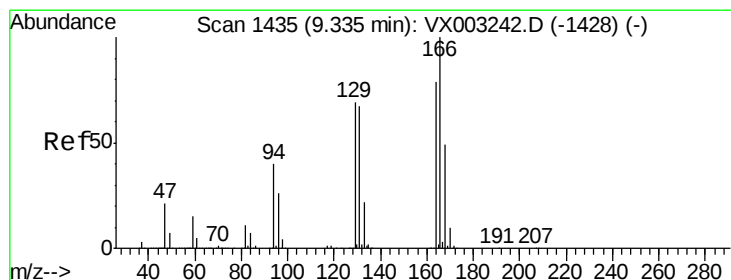
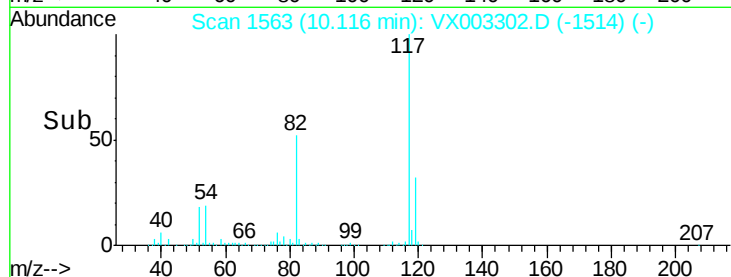
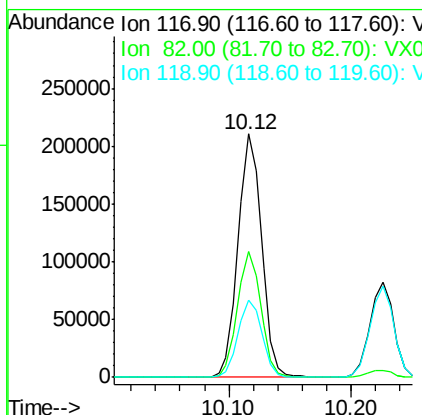
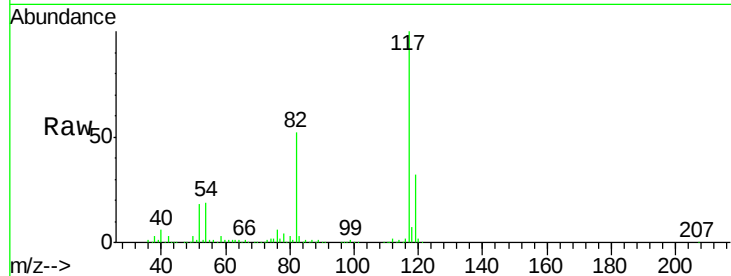
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 280128 |       |       |
| 82      | 51.8  | 45.0   | 67.4  |       |
| 119     | 31.9  | 25.8   | 38.6  |       |

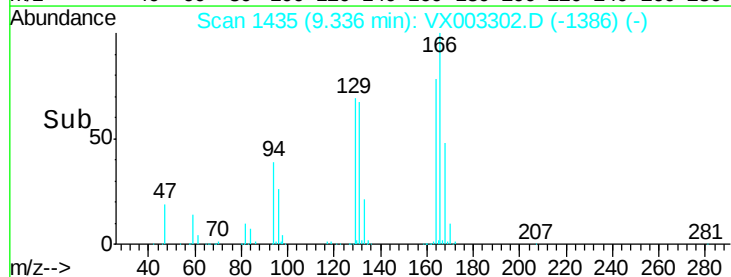
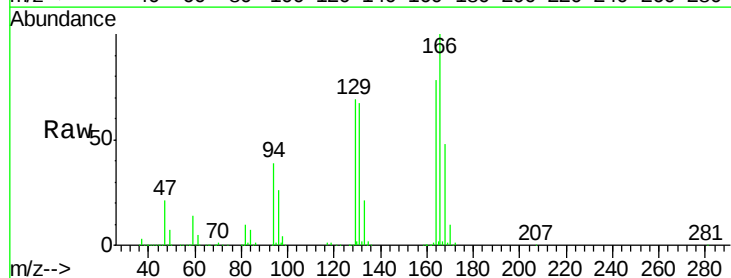
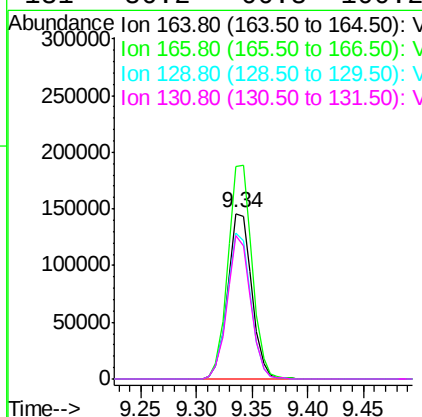
Manual Integrations  
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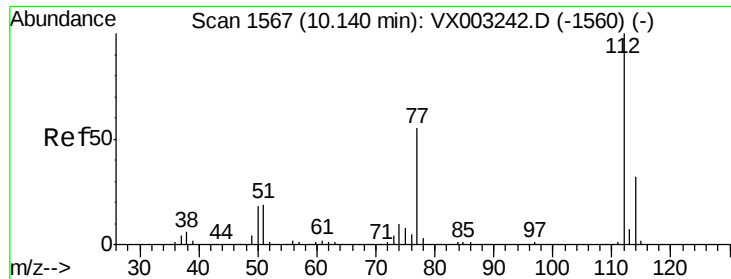
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 51.47 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 217945 |       |       |
| 166     | 128.1 | 102.9  | 154.3 |       |
| 129     | 88.1  | 68.6   | 102.8 |       |
| 131     | 86.2  | 66.8   | 100.2 |       |





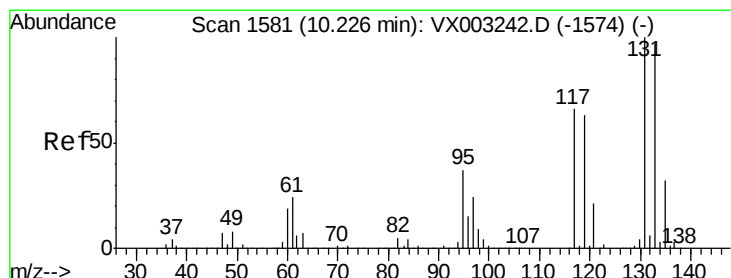
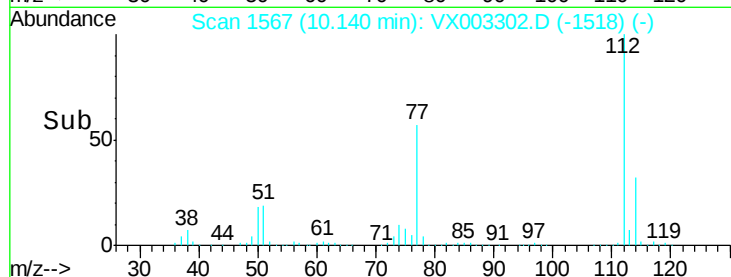
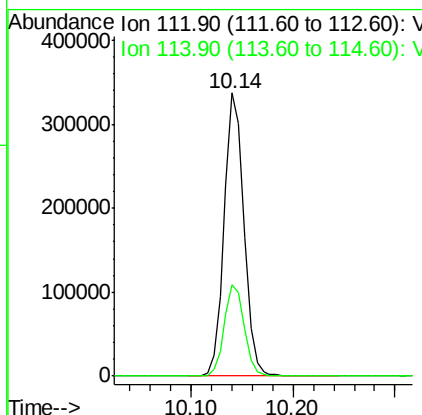
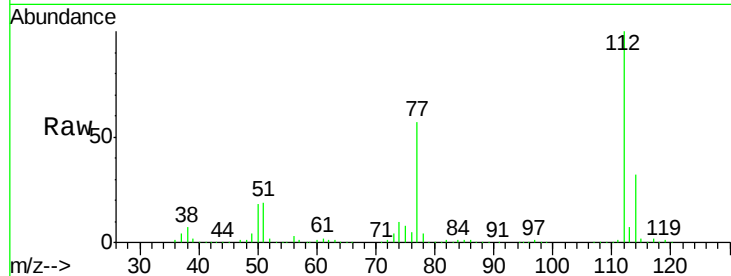
#65  
Chlorobenzene  
Concen: 47.77 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 454731  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.3 37.9

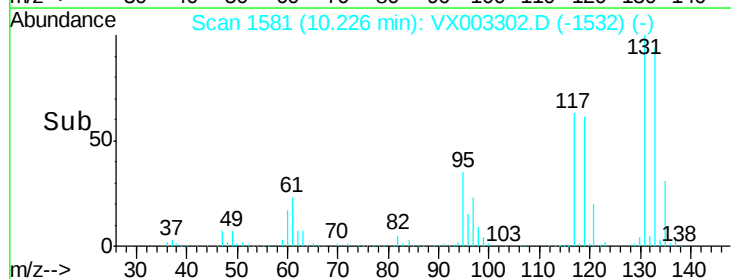
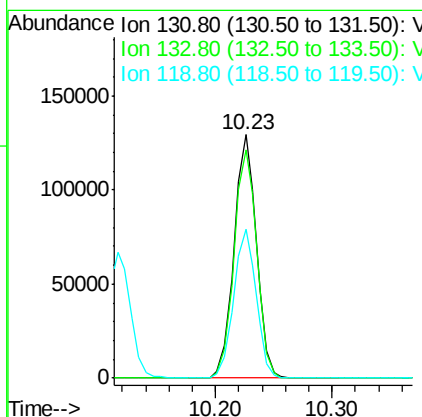
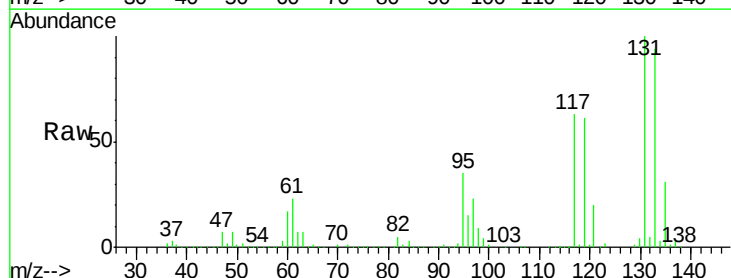
Manual Integrations  
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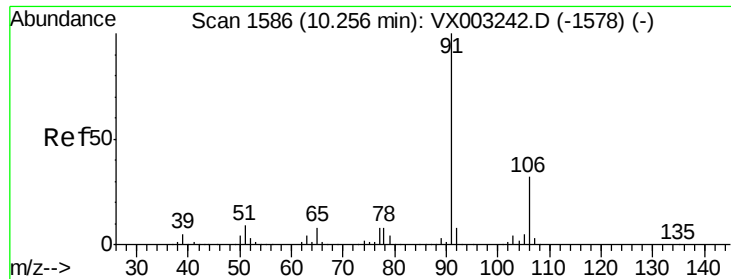
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.30 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Tgt Ion:131 Resp: 172735  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.9 143.6  
119 61.8 31.8 95.3





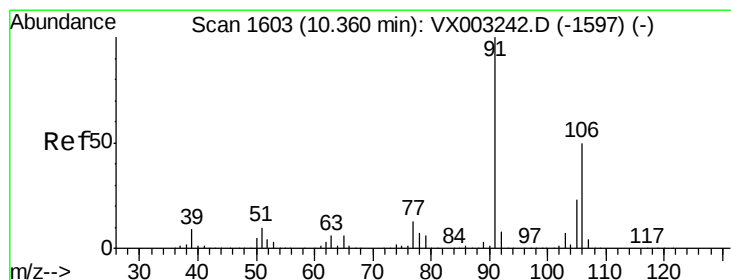
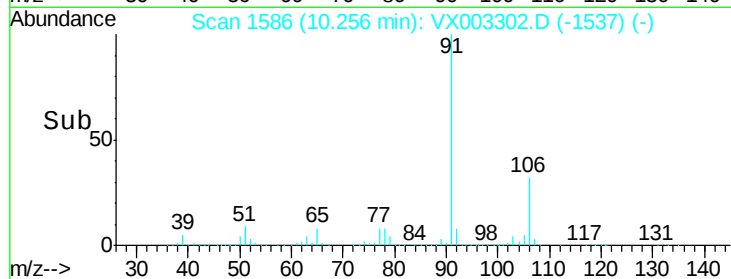
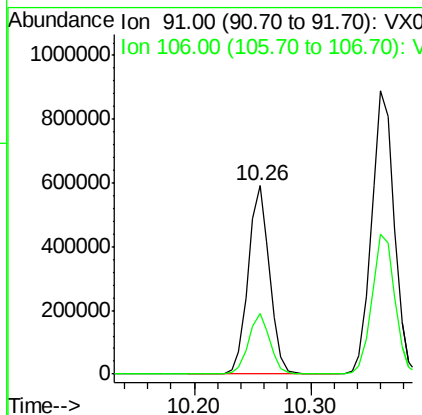
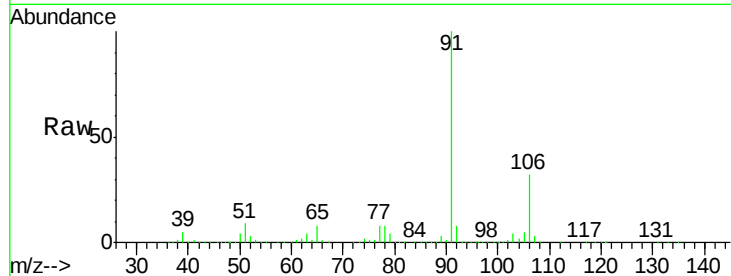
#67  
Ethyl Benzene  
Concen: 49.33 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 759365  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.5 38.3

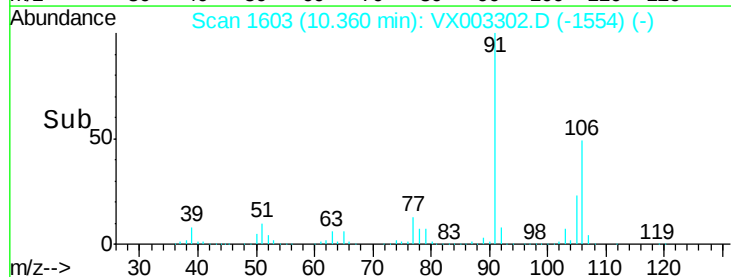
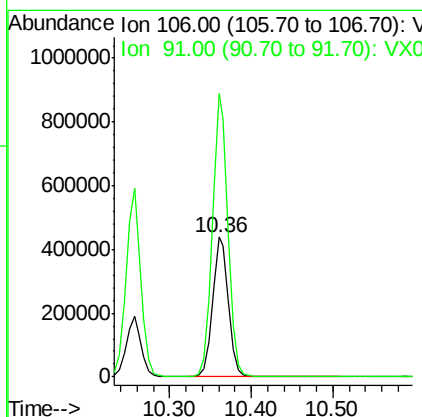
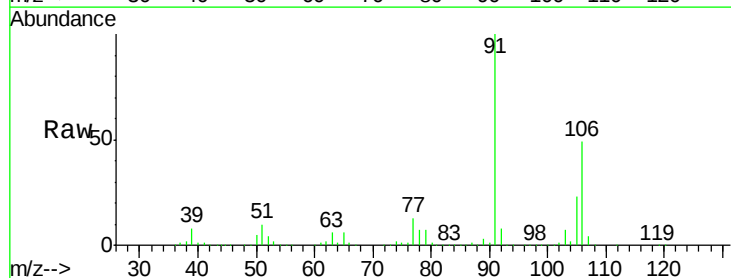
Manual Integrations  
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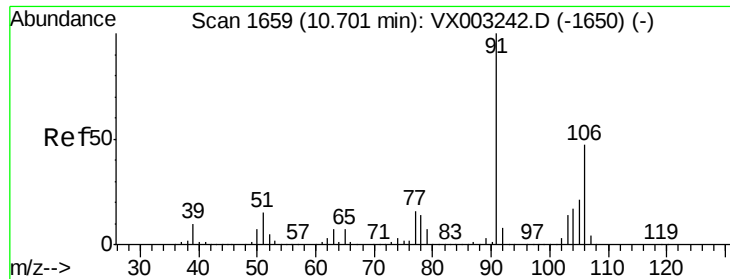
MMDadoda  
7/11/2018 3:09:29 PM



#68  
m/p-Xylenes  
Concen: 100.15 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Tgt Ion: 106 Resp: 599721  
Ion Ratio Lower Upper  
106 100  
91 199.6 163.4 245.2





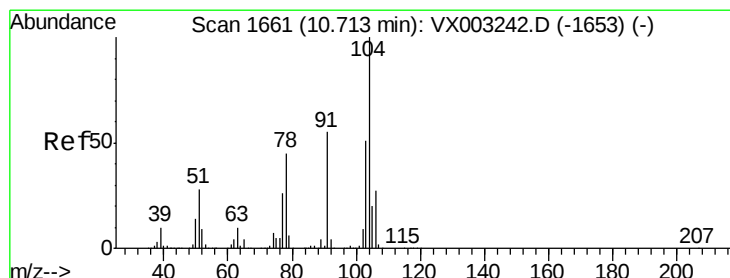
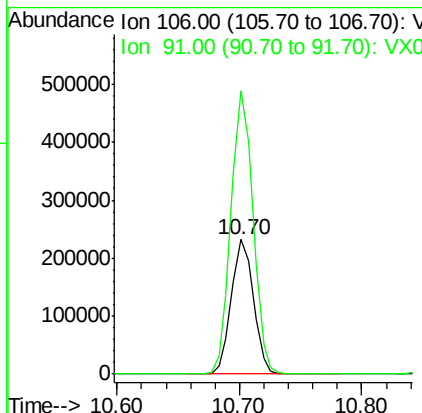
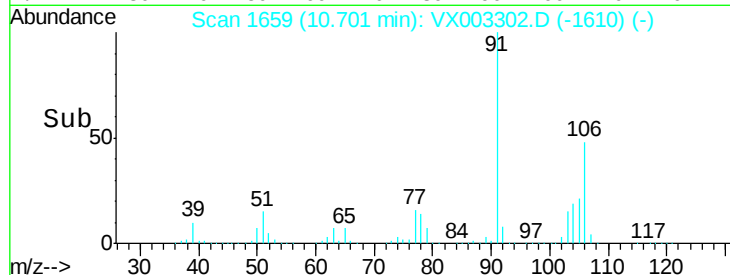
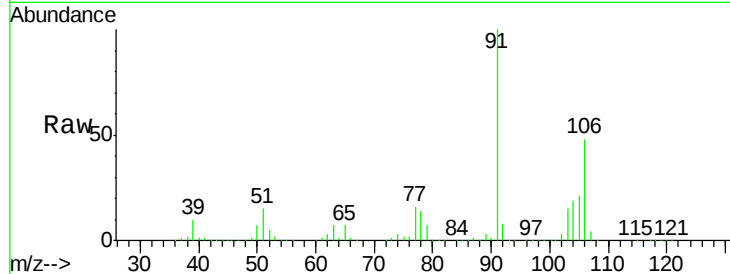
#69  
o-Xylene  
Concen: 50.04 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleID :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 209.7 | 108.2 | 324.6 |

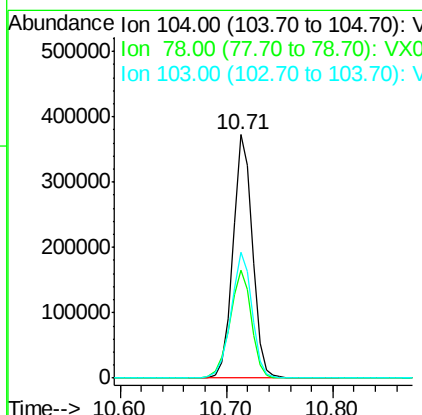
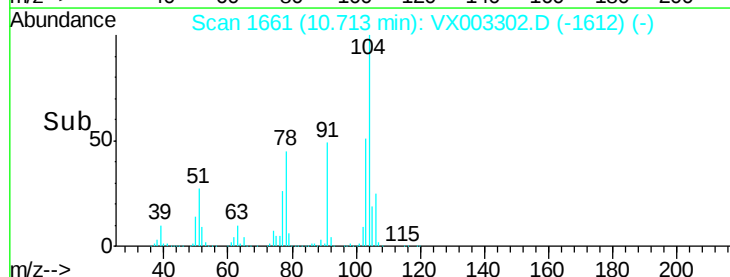
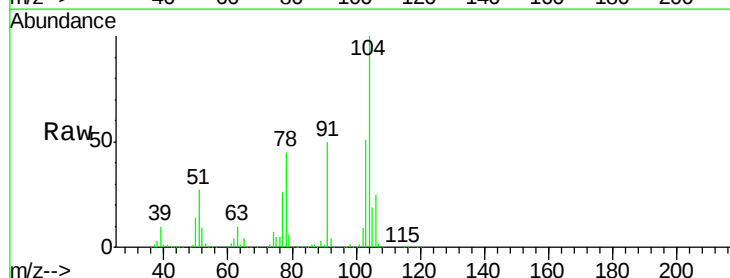
Manual Integrations  
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#70  
Styrene  
Concen: 51.00 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.9  | 41.0  | 61.6  |
| 103     | 55.5  | 44.2  | 66.4  |





#71

Bromoform

Concen: 50.12 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 141627

Ion Ratio Lower Upper

173 100

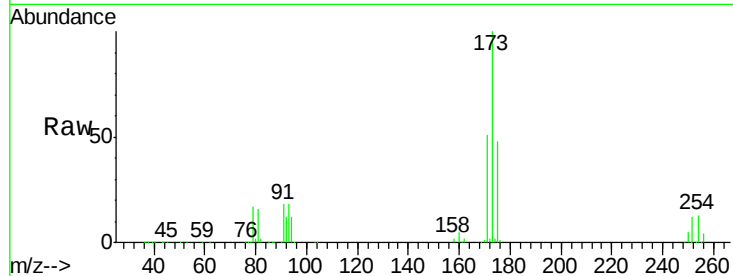
175 48.3 24.7 74.1

254 0.3 0.2 0.2#

Manual Integrations  
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MMDadoda

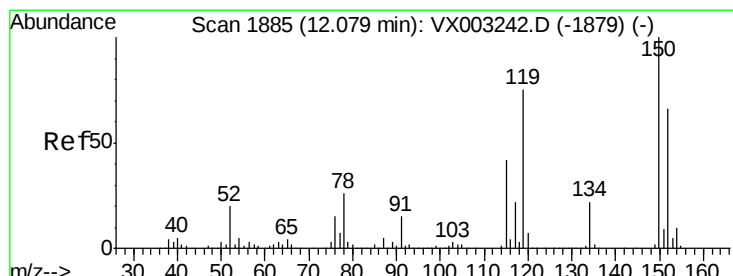
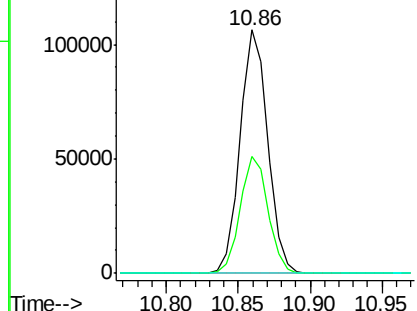
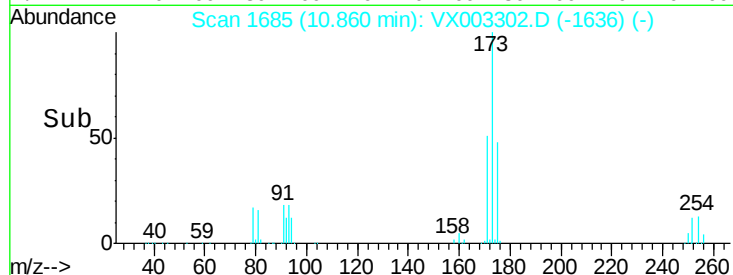
7/11/2018 3:09:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

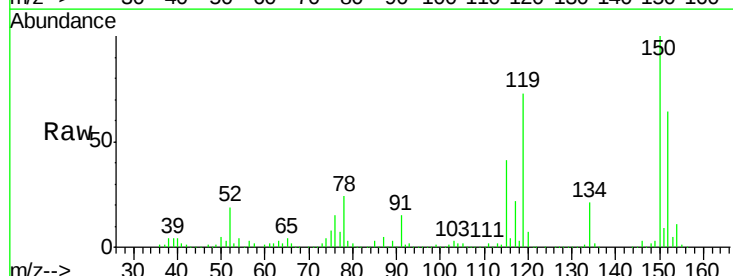
Tgt Ion:152 Resp: 203102

Ion Ratio Lower Upper

152 100

115 79.3 40.1 120.2

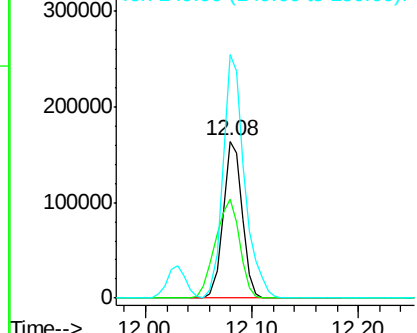
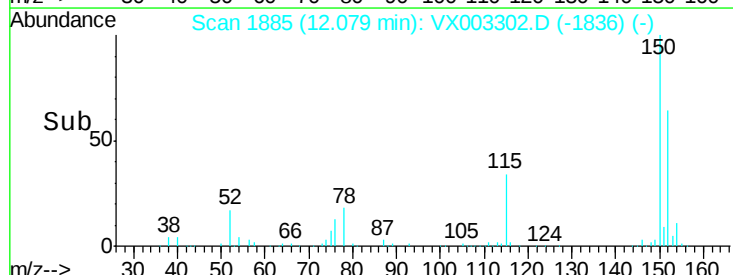
150 175.5 0.0 347.2

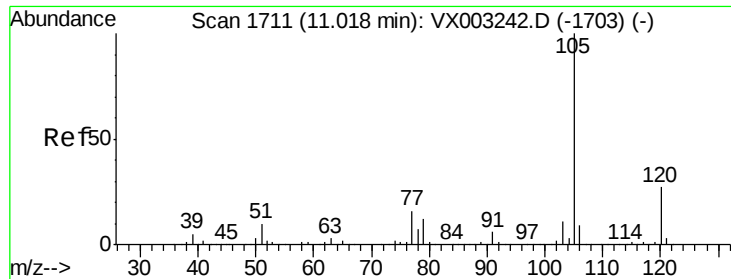


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 774555

Ion Ratio Lower Upper

105 100

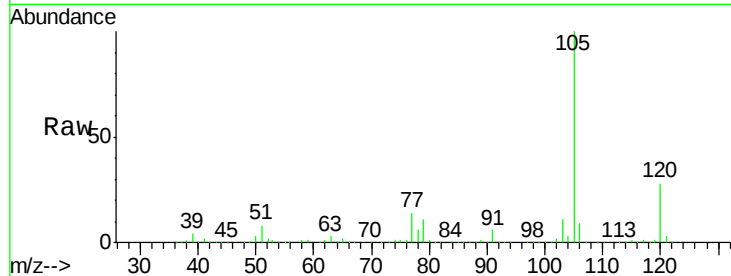
120 27.1 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

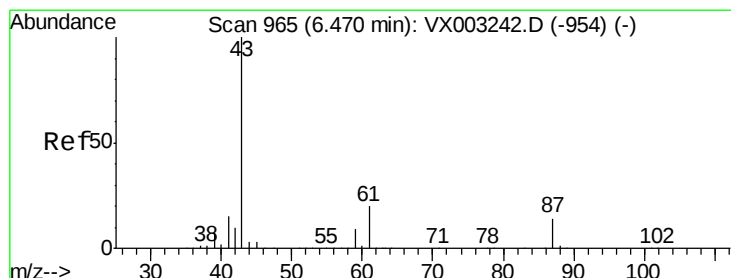
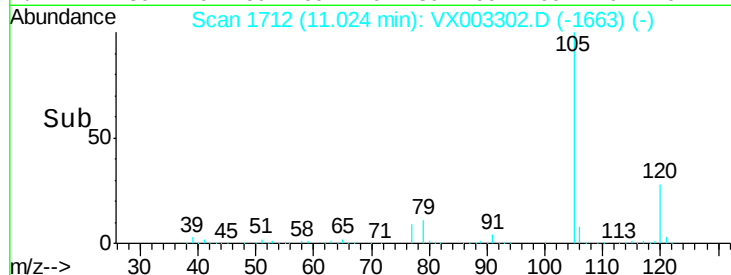
400000

200000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 47.69 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Tgt Ion: 43 Resp: 364782

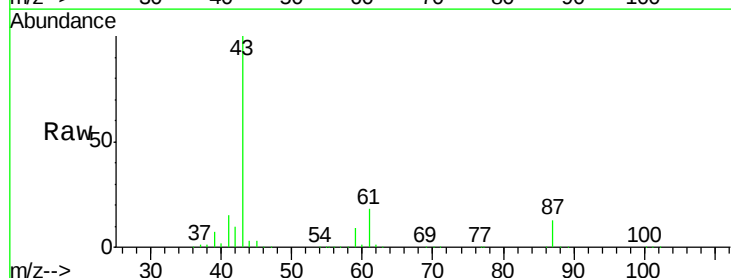
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.7 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

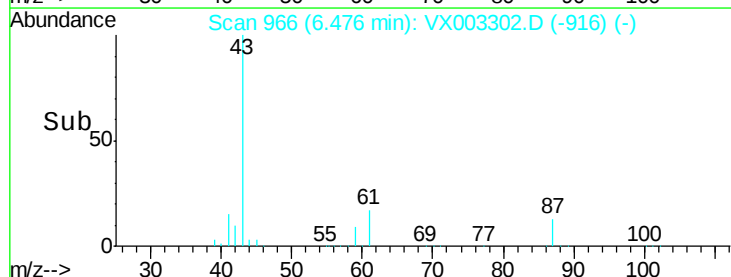
100000

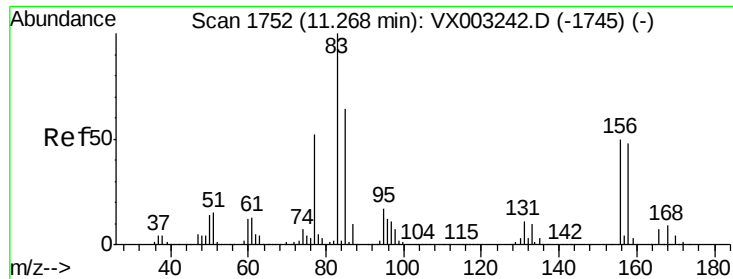
50000

0

6.48

Time--> 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 45.66 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

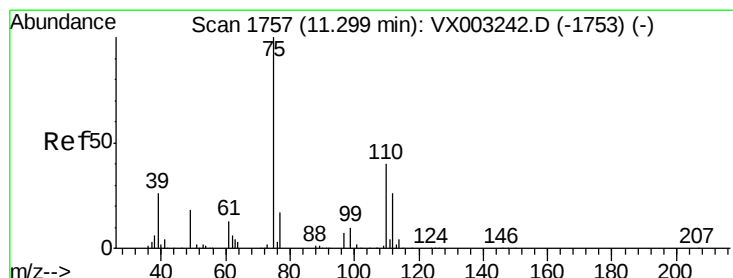
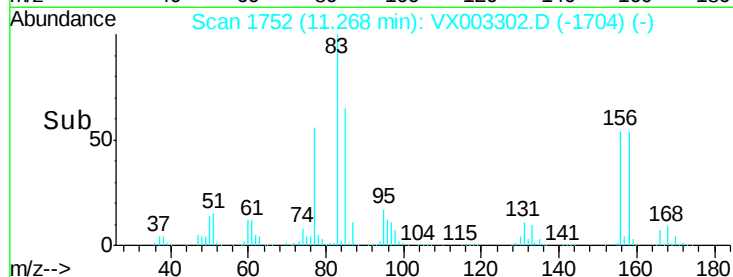
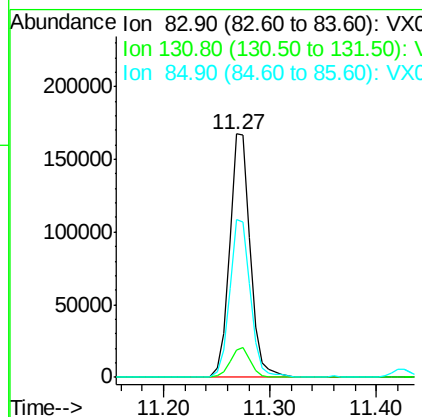
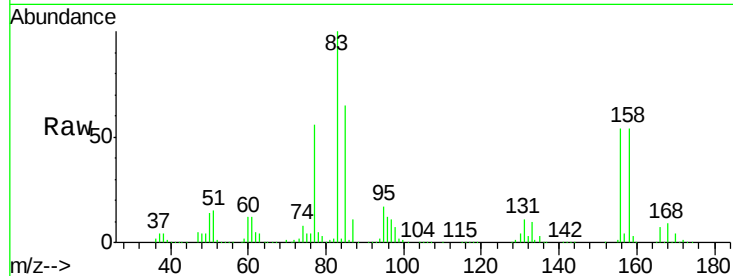
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 227089 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.7  | 5.6   | 16.8   |
| 85        | 65.0  | 32.4  | 97.2   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 52.43 ug/l m

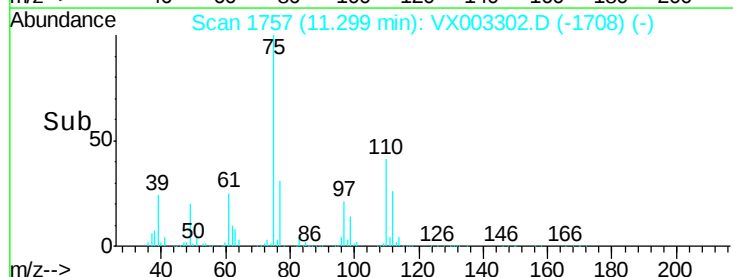
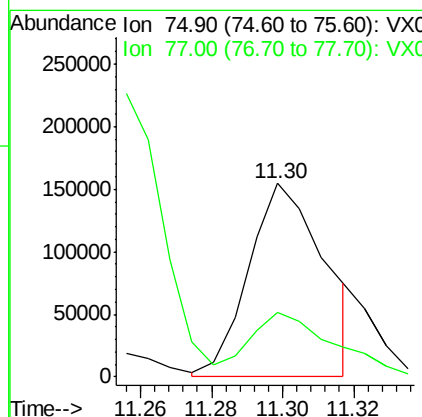
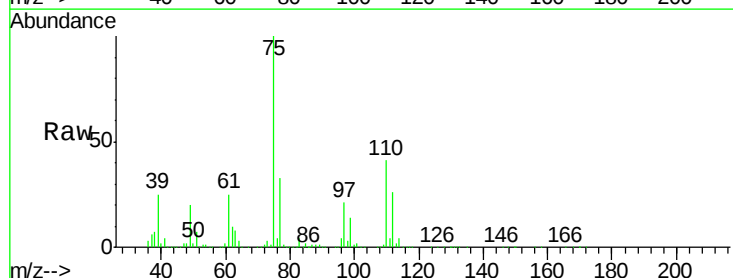
RT: 11.30 min Scan# 1757

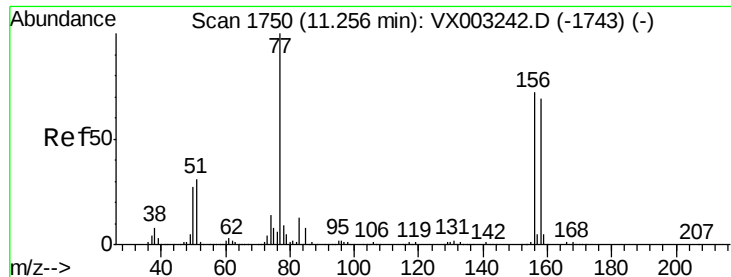
Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 230122 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 37.1  | 22.8  | 68.3   |





#77

Bromobenzene

Concen: 48.05 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 222474

Ion Ratio Lower Upper

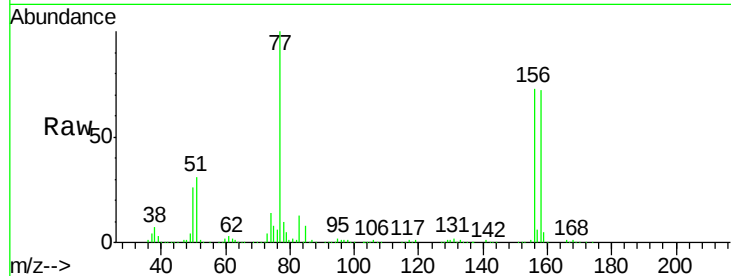
156 100

77 129.7 71.4 214.2

158 97.4 48.9 146.6

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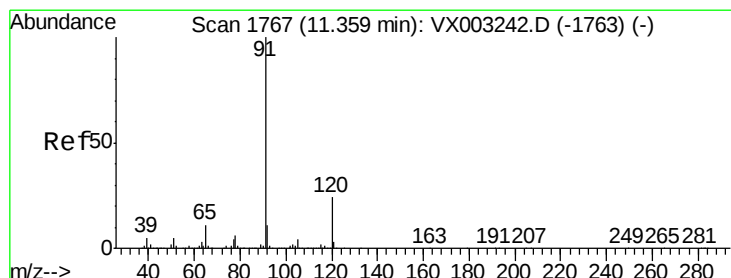
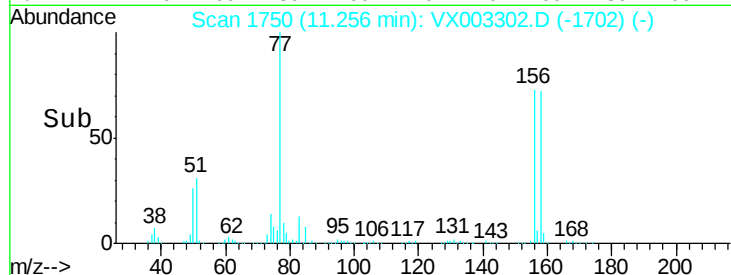
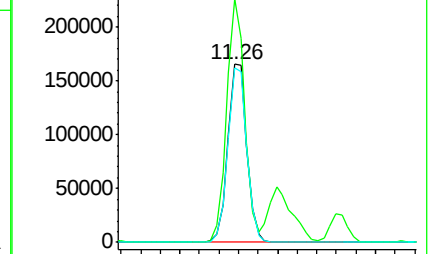
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.20 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003302.D

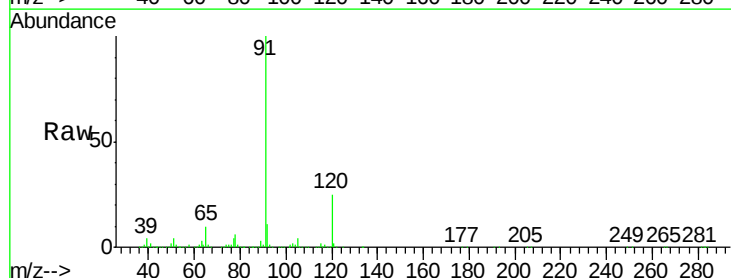
Acq: 10 Jul 2018 23:43

Tgt Ion: 91 Resp: 859290

Ion Ratio Lower Upper

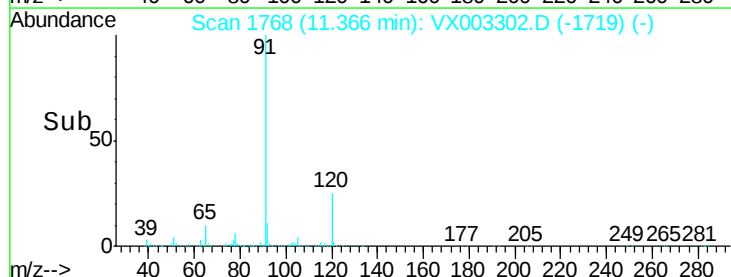
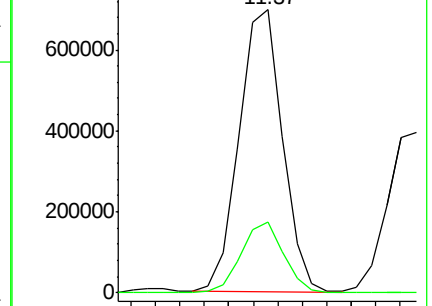
91 100

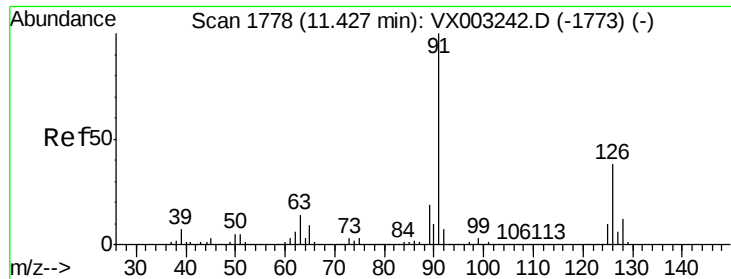
120 24.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.26 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 513311

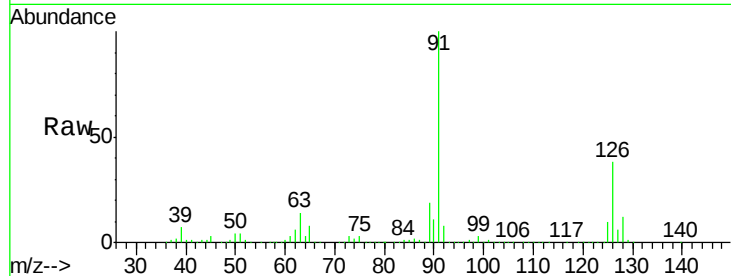
Ion Ratio Lower Upper

91 100

126 37.0 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX003302.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX003302.D (-1729) (-)

800000

600000

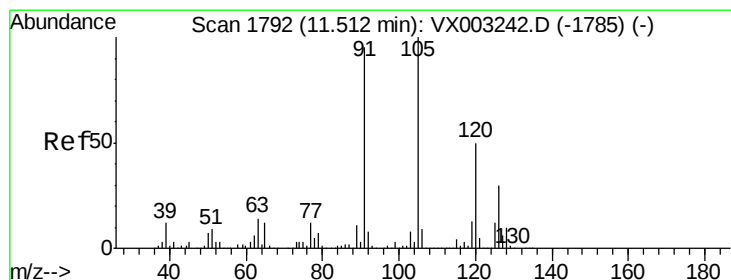
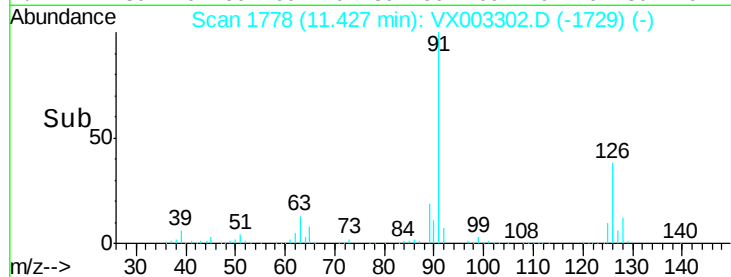
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.06 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003302.D

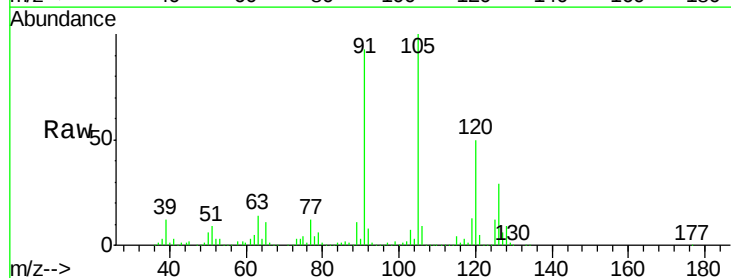
Acq: 10 Jul 2018 23:43

Tgt Ion: 105 Resp: 655079

Ion Ratio Lower Upper

105 100

120 50.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003302.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX003302.D (-1743) (-)

600000

500000

400000

300000

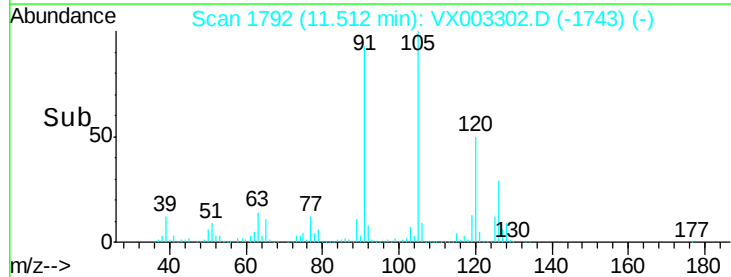
200000

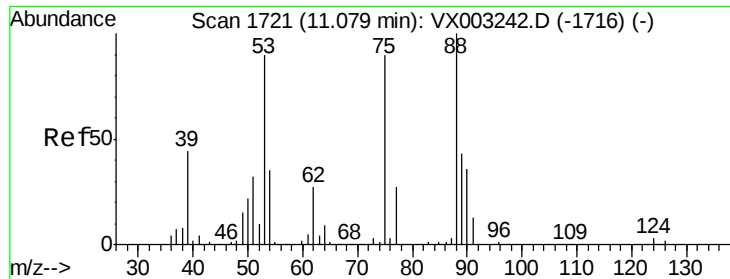
100000

0

11.40 11.50 11.60

Time-->





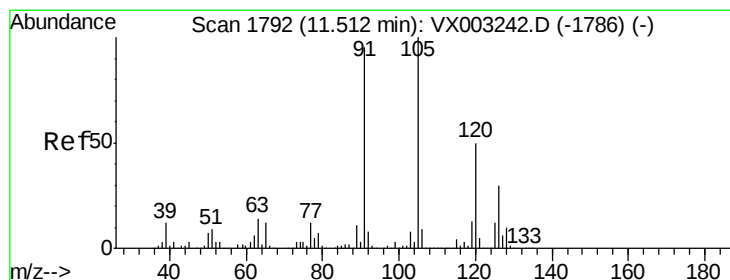
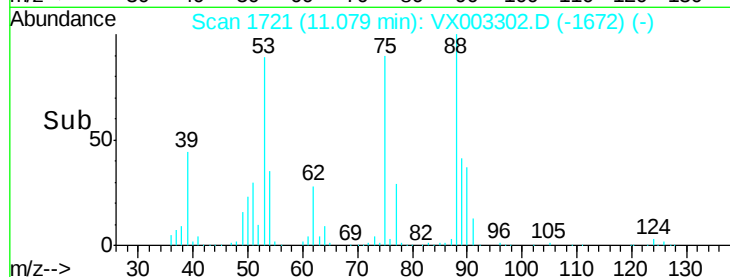
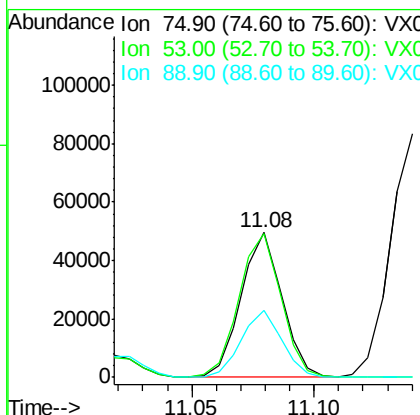
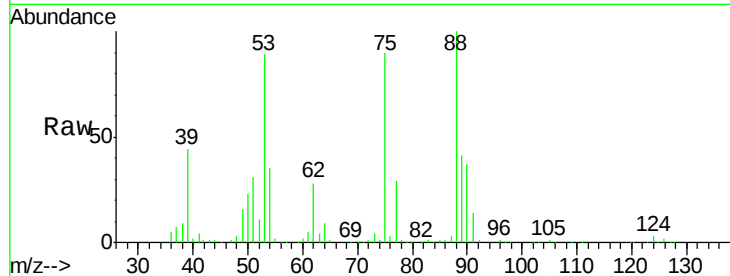
#81  
trans-1,4-Dichloro-2-butene  
Concen: 42.94 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

Tot Ion: 75 Resp: 57671  
Ion Ratio Lower Upper  
75 100  
53 103.6 86.8 130.2  
89 46.5 38.2 57.2

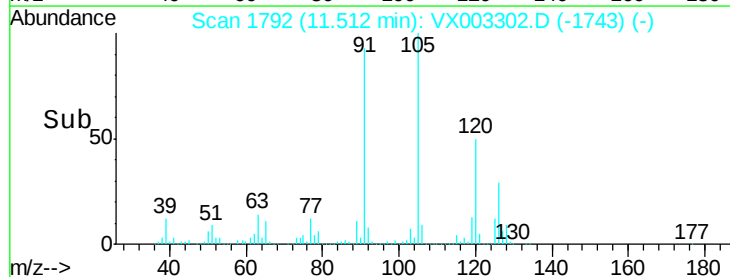
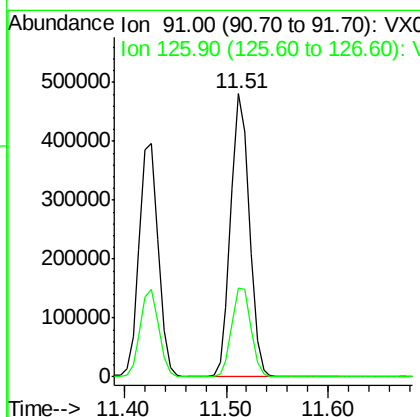
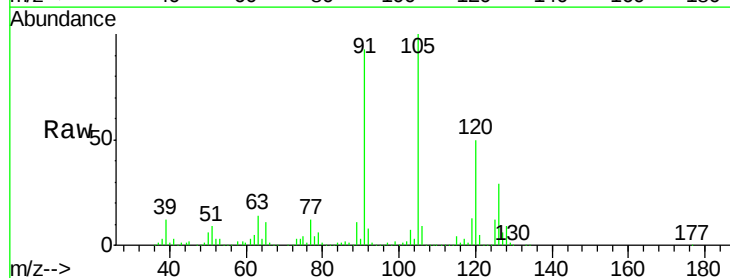
Manual Integrations  
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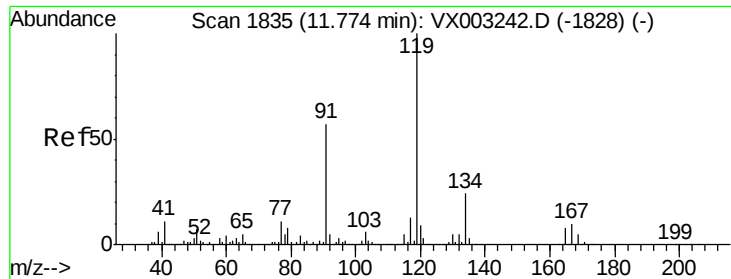
MMDadoda  
7/11/2018 3:09:29 PM



#82  
4-Chlorotoluene  
Concen: 47.75 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Tgt Ion: 91 Resp: 605568  
Ion Ratio Lower Upper  
91 100  
126 32.4 15.4 46.4





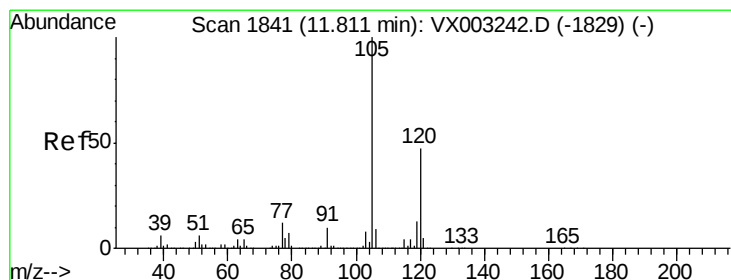
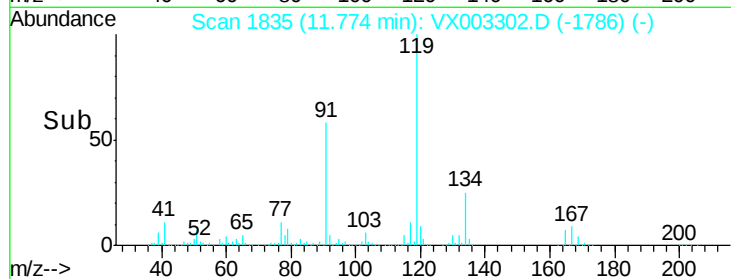
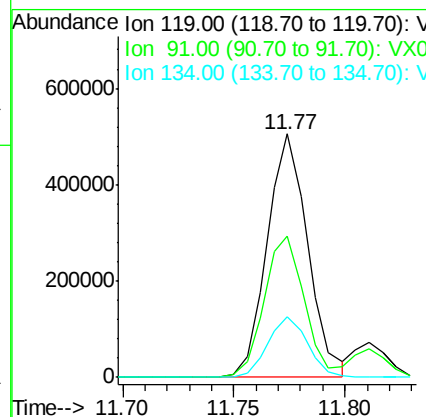
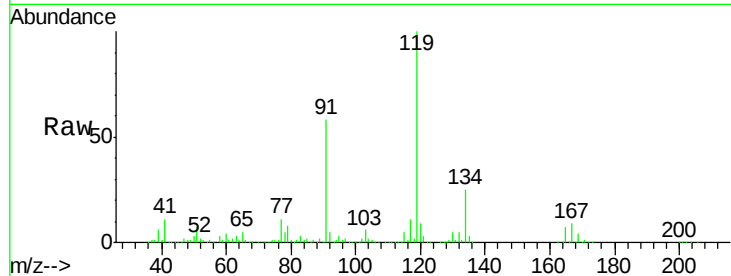
#83  
 tert-Butylbenzene  
 Concen: 48.10 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.5  | 30.3  | 90.9  |
| 134     | 24.3  | 11.7  | 35.1  |

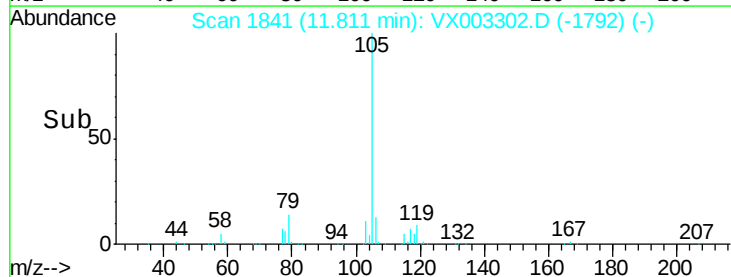
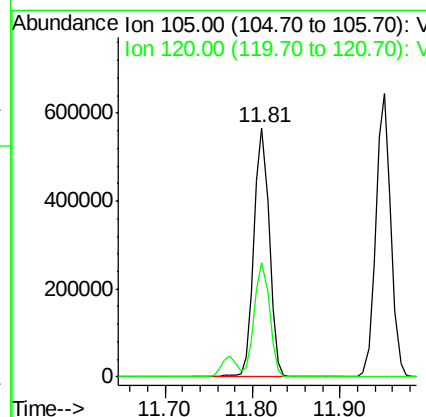
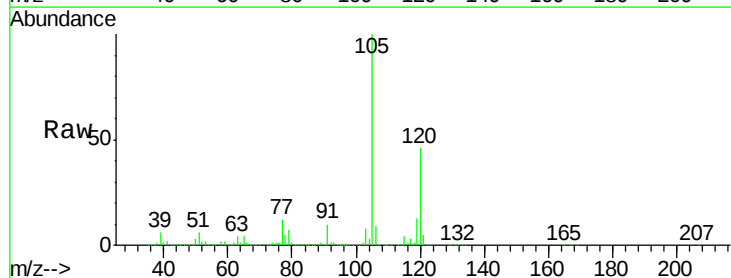
Manual Integrations  
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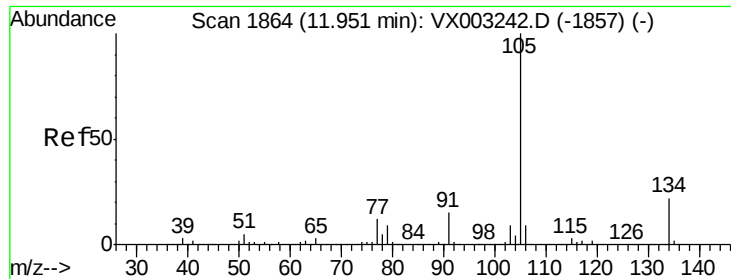
MMDadoda  
 7/11/2018 3:09:29 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.93 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.1  | 22.3  | 66.8  |





#85

sec-Butylbenzene

Concen: 49.38 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 778455

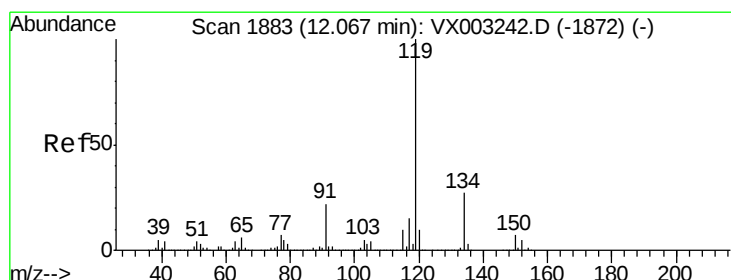
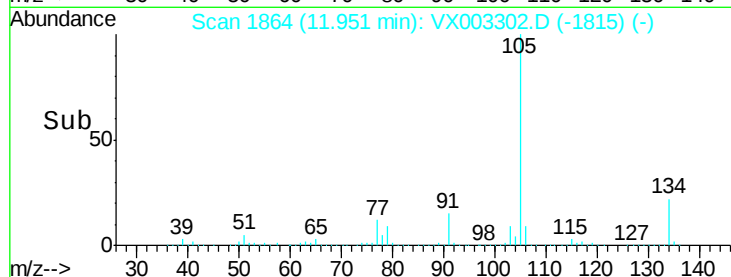
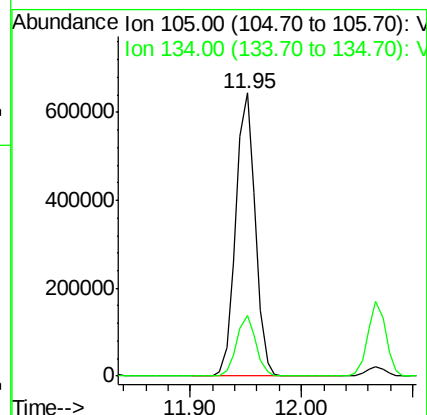
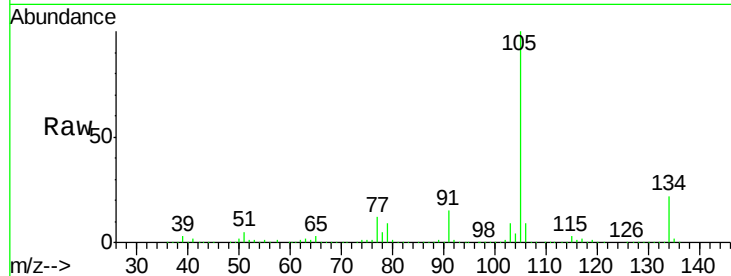
Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.1

Manual Integrations  
APPROVED

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7/11/2018 3:09:29 PM



#86

p-Isopropyltoluene

Concen: 49.47 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

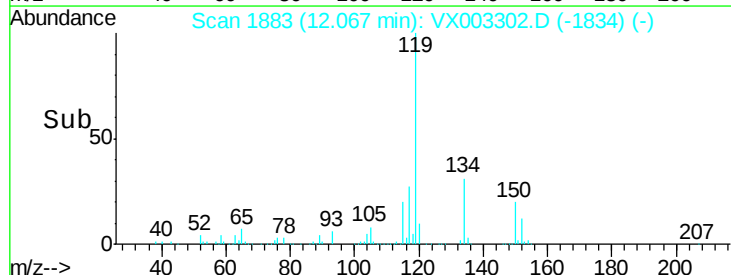
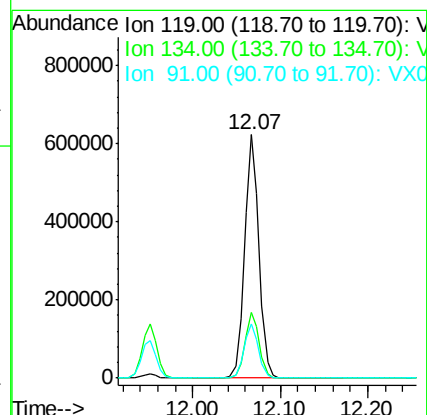
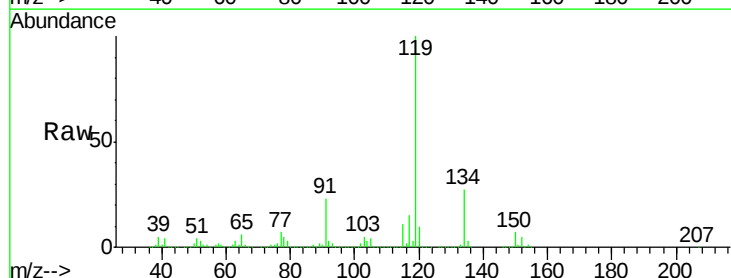
Tgt Ion:119 Resp: 710560

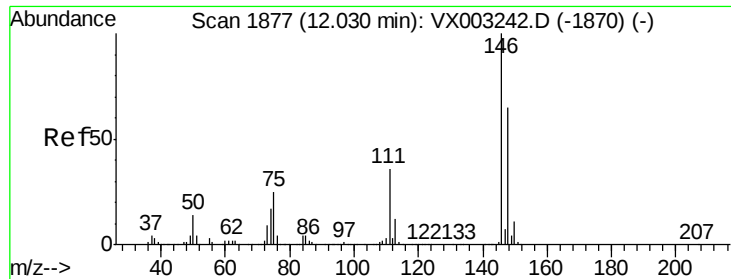
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.5 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 47.66 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 404812

Ion Ratio Lower Upper

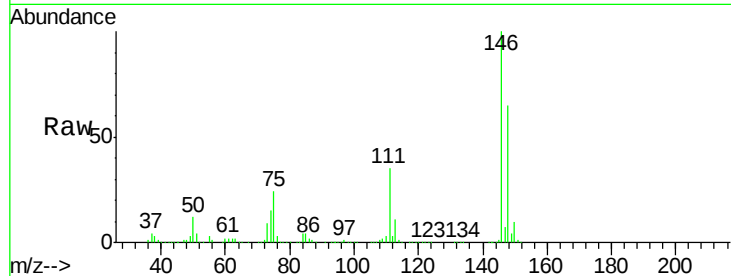
146 100

111 36.3 18.9 56.7

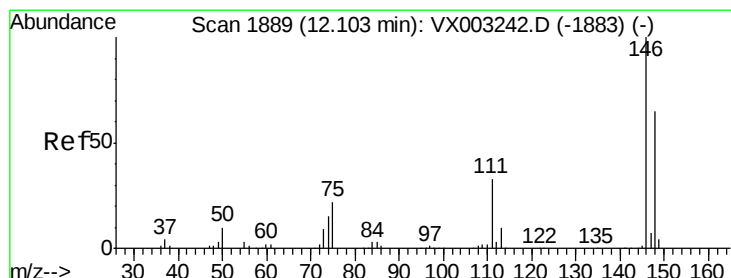
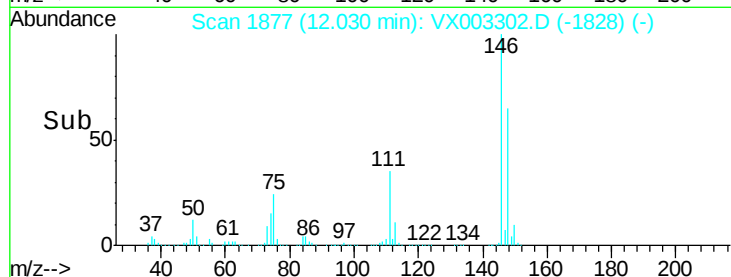
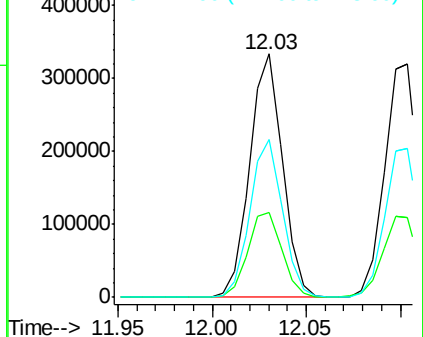
148 64.4 32.1 96.3

Manual Integrations  
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7/11/2018 3:09:29 PM



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.65 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

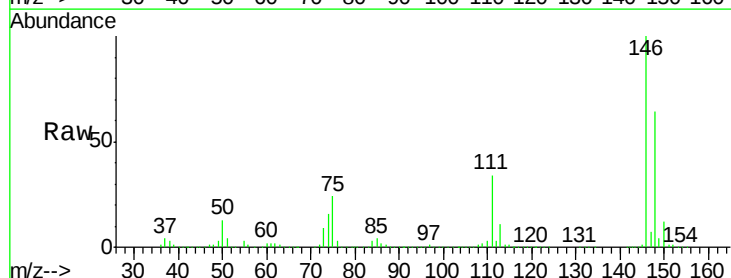
Tgt Ion:146 Resp: 409698

Ion Ratio Lower Upper

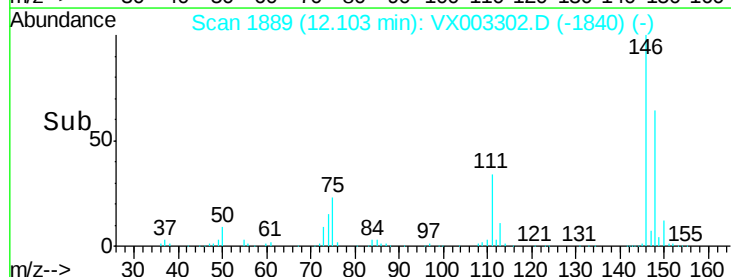
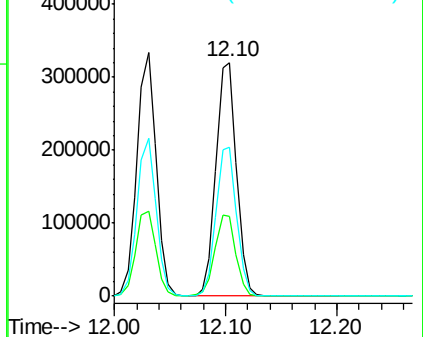
146 100

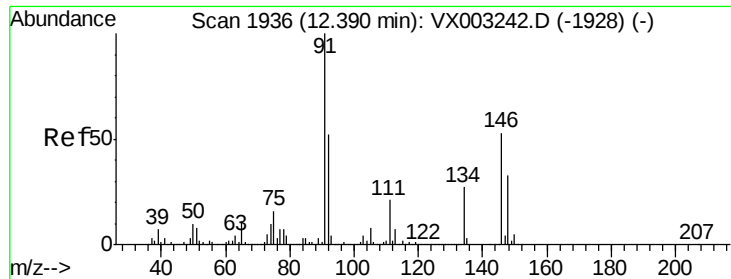
111 35.3 18.7 56.1

148 64.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V





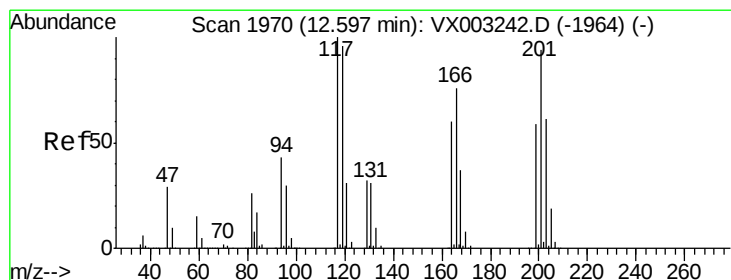
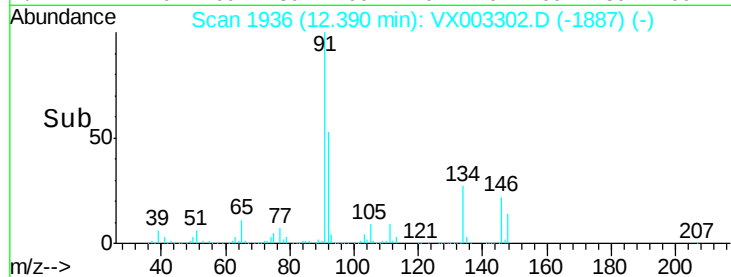
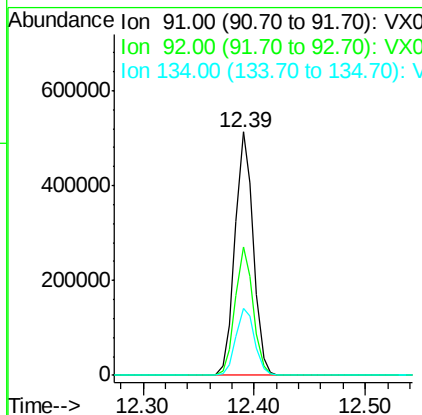
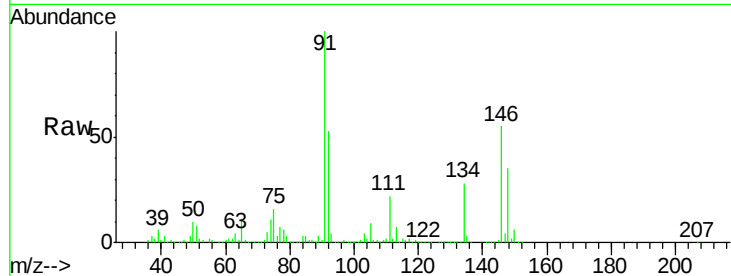
#89  
n-Butylbenzene  
Concen: 48.46 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 581485 |       |       |
| 92      | 51.9 | 26.0  |        | 78.0  |       |
| 134     | 28.3 | 13.5  |        | 40.5  |       |

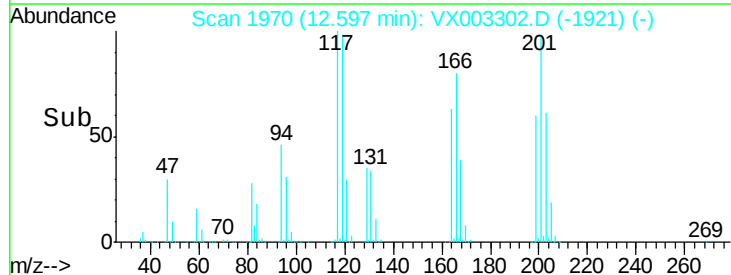
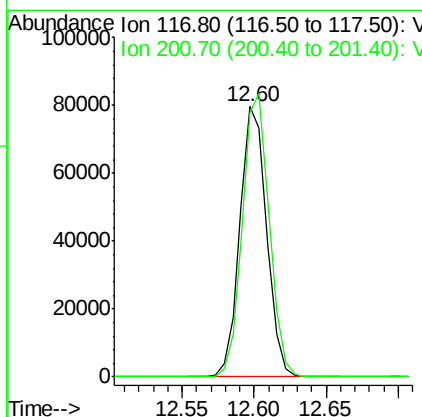
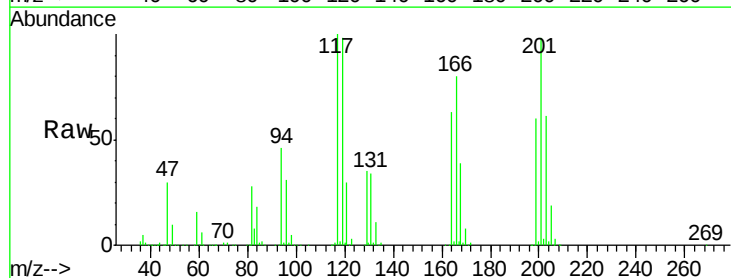
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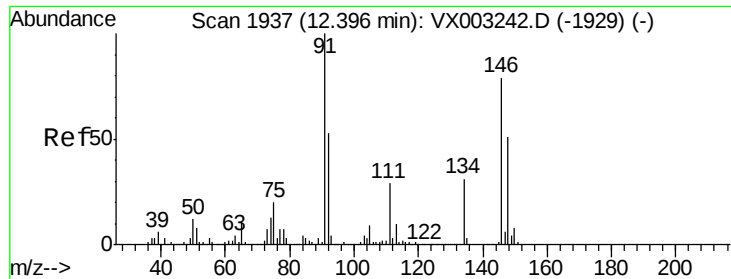
MMDadoda  
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#90  
Hexachloroethane  
Concen: 46.68 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VX003302.D  
Acq: 10 Jul 2018 23:43

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 117     | 100   |       | 102354 |       |       |
| 201     | 104.8 | 49.0  |        | 147.0 |       |





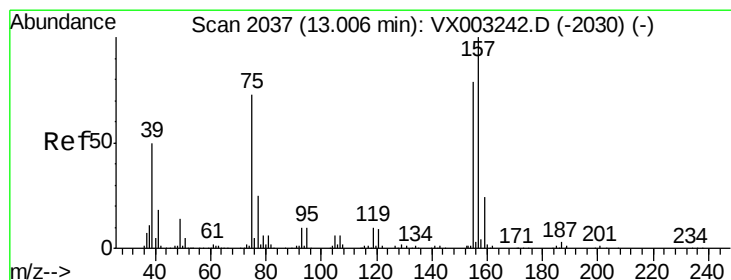
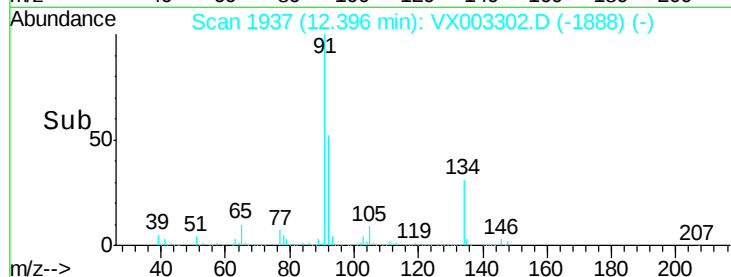
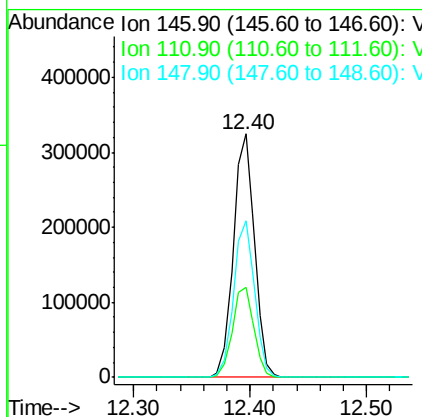
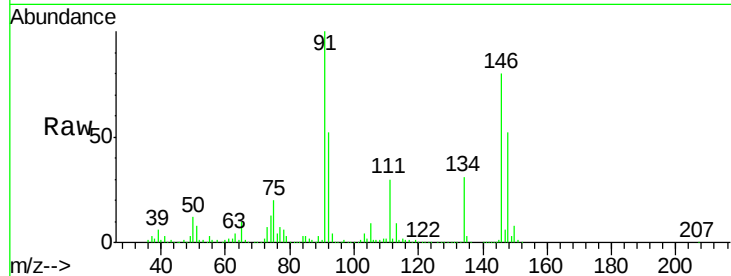
#91  
 1,2-Dichlorobenzene  
 Concen: 48.06 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 19.4  | 58.1  |
| 148     | 64.1  | 31.7  | 95.1  |

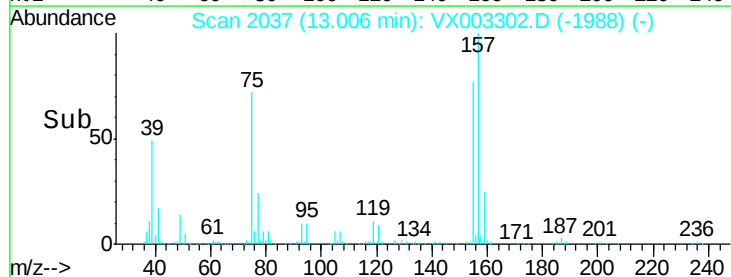
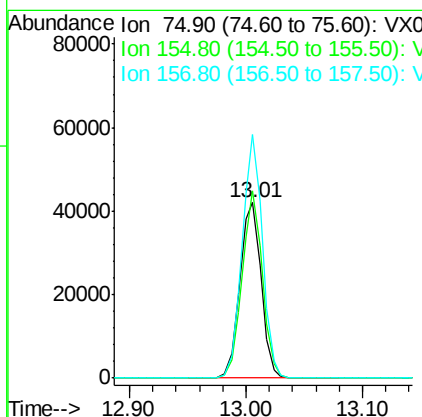
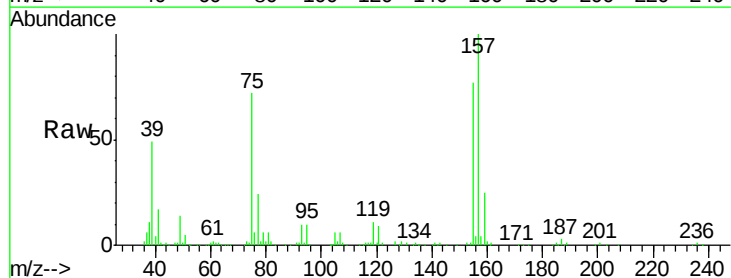
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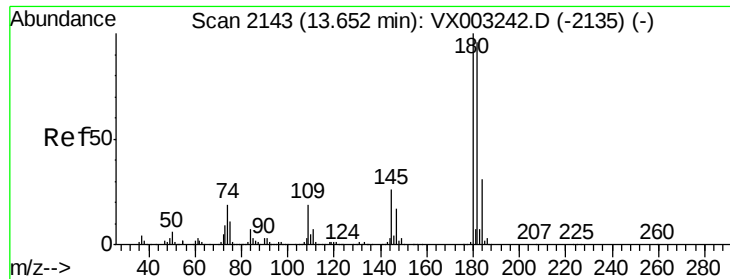
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.09 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 101.5 | 45.8  | 137.4 |
| 157     | 132.2 | 60.1  | 180.3 |





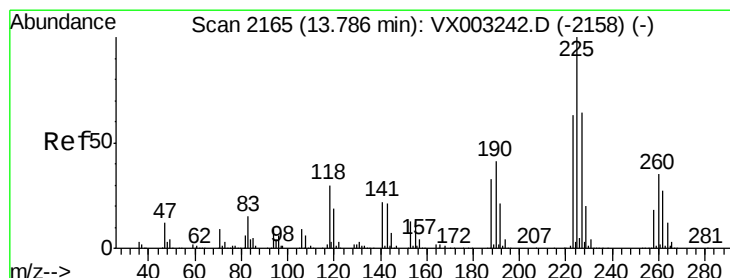
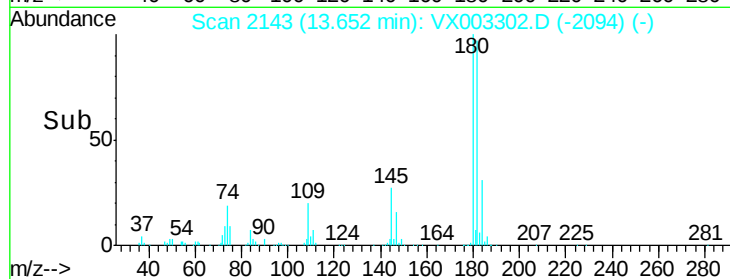
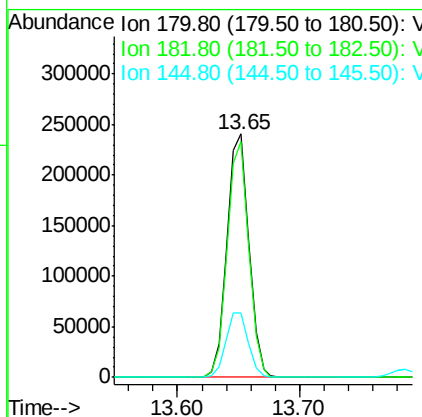
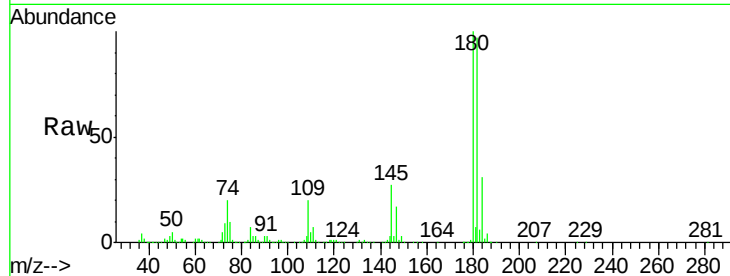
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.61 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 295522 |       |       |
| 182     | 95.3  | 47.7   | 143.1 |       |
| 145     | 27.3  | 14.1   | 42.4  |       |

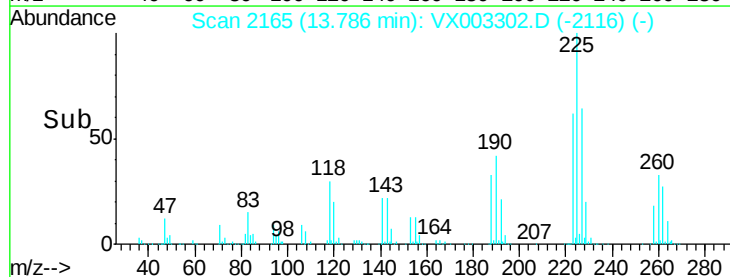
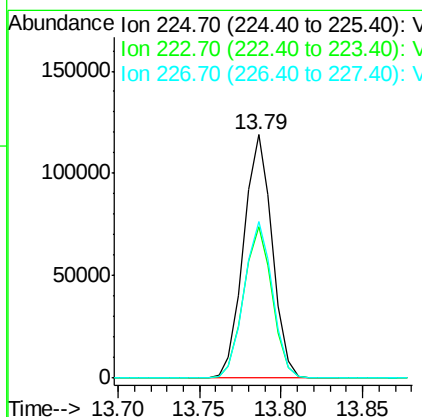
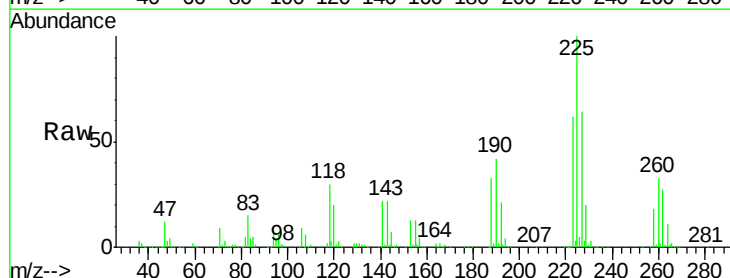
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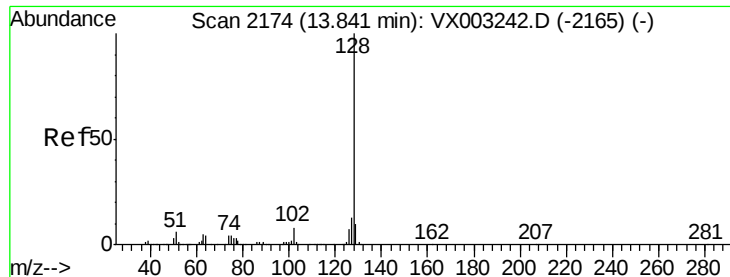
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#94  
 Hexachlorobutadiene  
 Concen: 47.02 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX003302.D  
 Acq: 10 Jul 2018 23:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 145273 |       |       |
| 223     | 62.1  | 31.6   | 95.0  |       |
| 227     | 64.1  | 32.4   | 97.2  |       |





#95

Naphthalene

Concen: 52.19 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

Instrument :

MSVOA\_X

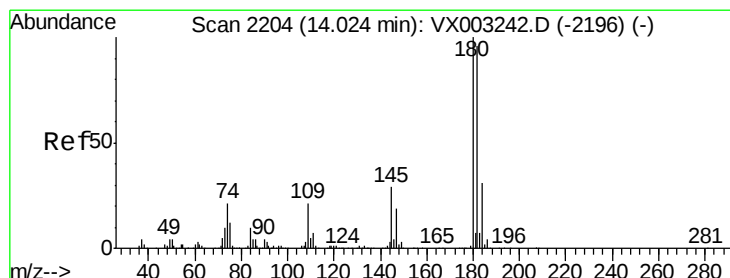
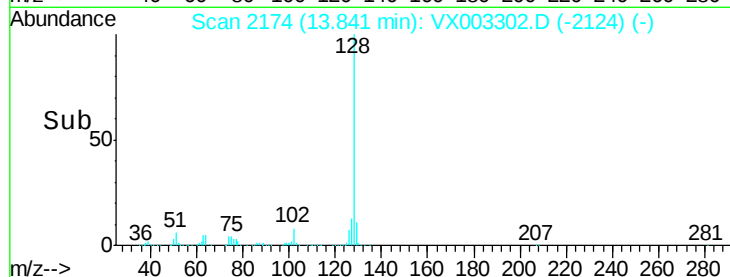
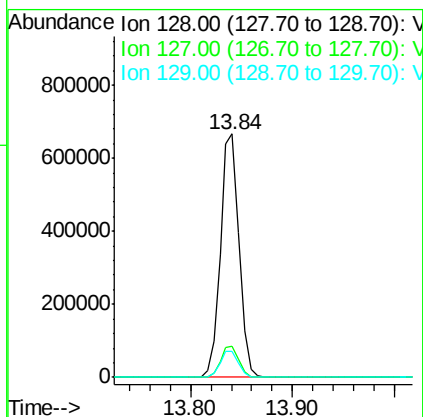
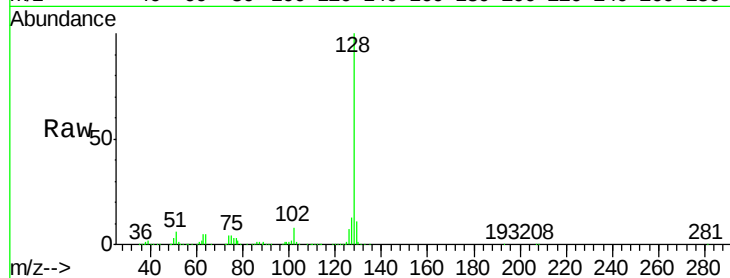
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 847471 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.4  | 15.6   |
| 129       | 10.9  | 8.6   | 13.0   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 49.40 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003302.D

Acq: 10 Jul 2018 23:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 305810 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 48.0  | 144.0  |
| 145       | 29.2  | 14.8  | 44.3   |

