

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\  
 Data File : VX001577.D  
 Acq On : 10 May 2018 01:34  
 Operator : JC/MD  
 Sample : VX0509MBS02  
 Misc : 5.0µ/10mL/100µl/5mL/MSVOA\_X/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0509MBS02

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2018 1:52:01 PM

Quant Time: May 10 05:16:40 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 214914   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 288019   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 274432   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 188632   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 150673   | 48.78 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.56% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 121660   | 47.49 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.98% |      |
| 50) Toluene-d8              | 8.72   | 98  | 430214   | 46.01 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.02% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 158363   | 44.11 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.22% |      |

|                               |      |     |        |        |      |     |
|-------------------------------|------|-----|--------|--------|------|-----|
| Target Compounds              |      |     |        | Qvalue |      |     |
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 63022  | 21.78  | ug/l | 100 |
| 3) Chloromethane              | 1.32 | 50  | 57761  | 20.50  | ug/l | 99  |
| 4) Vinyl Chloride             | 1.40 | 62  | 62730  | 21.33  | ug/l | 99  |
| 5) Bromomethane               | 1.64 | 94  | 34405  | 23.75  | ug/l | 100 |
| 6) Chloroethane               | 1.72 | 64  | 42895  | 22.07  | ug/l | 99  |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 99089  | 22.39  | ug/l | 99  |
| 8) Diethyl Ether              | 2.19 | 74  | 40231  | 23.19  | ug/l | 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 56137  | 21.64  | ug/l | 99  |
| 10) Methyl Iodide             | 2.51 | 142 | 63604  | 16.99  | ug/l | 99  |
| 11) Tert butyl alcohol        | 3.08 | 59  | 78163  | 120.01 | ug/l | 99  |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 52123  | 21.92  | ug/l | 98  |
| 13) Acrolein                  | 2.30 | 56  | 12066  | 86.34  | ug/l | 94  |
| 14) Allyl chloride            | 2.73 | 41  | 96242  | 21.70  | ug/l | 99  |
| 15) Acrylonitrile             | 3.15 | 53  | 171396 | 116.46 | ug/l | 100 |
| 16) Acetone                   | 2.45 | 43  | 154673 | 110.27 | ug/l | 99  |
| 17) Carbon Disulfide          | 2.57 | 76  | 120695 | 19.94  | ug/l | 98  |
| 18) Methyl Acetate            | 2.78 | 43  | 94362  | 25.61  | ug/l | 100 |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 191337 | 23.11  | ug/l | 100 |
| 20) Methylene Chloride        | 2.86 | 84  | 63672  | 22.93  | ug/l | 99  |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 55685  | 20.98  | ug/l | 95  |
| 22) Diisopropyl ether         | 3.88 | 45  | 186024 | 22.45  | ug/l | 99  |
| 23) Vinyl Acetate             | 3.83 | 43  | 747323 | 108.24 | ug/l | 100 |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 100119 | 21.63  | ug/l | 99  |
| 25) 2-Butanone                | 4.71 | 43  | 228495 | 112.70 | ug/l | 99  |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 57391  | 16.06  | ug/l | 96  |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 61584  | 21.79  | ug/l | 98  |
| 28) Bromochloromethane        | 5.02 | 49  | 49102  | 24.47  | ug/l | 96  |
| 29) Tetrahydrofuran           | 5.18 | 42  | 144353 | 111.27 | ug/l | 100 |
| 30) Chloroform                | 5.22 | 83  | 109343 | 22.94  | ug/l | 99  |
| 31) Cyclohexane               | 5.57 | 56  | 83545  | 21.02  | ug/l | 95  |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 94899  | 22.78  | ug/l | 99  |
| 36) 1,1-Dichloropropene       | 5.81 | 75  | 74068  | 20.22  | ug/l | 98  |
| 37) Ethyl Acetate             | 4.87 | 43  | 87612  | 21.82  | ug/l | 99  |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 84923  | 21.73  | ug/l | 97  |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\  
 Data File : VX001577.D  
 Acq On : 10 May 2018 01:34  
 Operator : JC/MD  
 Sample : VX0509MBS02  
 Misc : 5.0µl/10mL/100µl/5mL/MSVOA\_X/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0509MBS02

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2018 1:52:01 PM

Quant Time: May 10 05:16:40 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 83715    | 19.33  | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 232486   | 21.73  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.07  | 41   | 49487    | 21.54  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.21  | 62   | 93525    | 22.74  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 133541   | 21.66  | ug/l   | 100      |
| 44) Trichloroethene            | 7.22  | 130  | 70923    | 21.68  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 59247    | 22.21  | ug/l   | 100      |
| 46) Dibromomethane             | 7.67  | 93   | 41665    | 22.06  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.91  | 83   | 76624    | 21.92  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.79  | 41   | 71218    | 21.21  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.76  | 88   | 31649    | 436.37 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 462784   | 112.96 | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 152130   | 21.74  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 82221    | 20.81  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 74208    | 19.61  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 62690    | 22.24  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 86007    | 21.17  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 101806   | 21.84  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 221377   | 111.07 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.51  | 43   | 344006   | 109.65 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 62796    | 21.75  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 65249    | 22.04  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 85296    | 22.30  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.15 | 112  | 170313   | 21.16  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 63539    | 22.07  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 277078   | 21.00  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.37 | 106  | 222185   | 42.63  | ug/l   | 99       |
| 69) o-Xylene                   | 10.71 | 106  | 108375   | 21.39  | ug/l   | 100      |
| 70) Styrene                    | 10.72 | 104  | 176114   | 21.40  | ug/l   | 99       |
| 71) Bromoform                  | 10.87 | 173  | 49259    | 20.09  | ug/l   | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 289028   | 22.13  | ug/l   | 100      |
| 74) N-amyl acetate             | 6.48  | 43   | 133541   | 22.51  | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 86350    | 22.39  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 85144m   | 22.26  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 82513    | 21.73  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.37 | 91   | 314643   | 22.13  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 194550   | 22.23  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 239311   | 22.01  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 18907    | 18.69  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 221934   | 21.98  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 237778   | 21.98  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 248785   | 22.26  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.95 | 105  | 287372   | 22.13  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 259740   | 21.81  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 146066   | 21.52  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 146705   | 21.19  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.40 | 91   | 199862   | 20.25  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 37781    | 21.06  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 152722   | 22.12  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 19522    | 23.04  | ug/l   | 95       |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\  
Data File : VX001577.D  
Acq On : 10 May 2018 01:34  
Operator : JC/MD  
Sample : VX0509MBSD02  
Misc : 5.0µ/10mL/100ul/5mL/MSVOA\_X/MEOH  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

Manual Integrations  
APPROVED

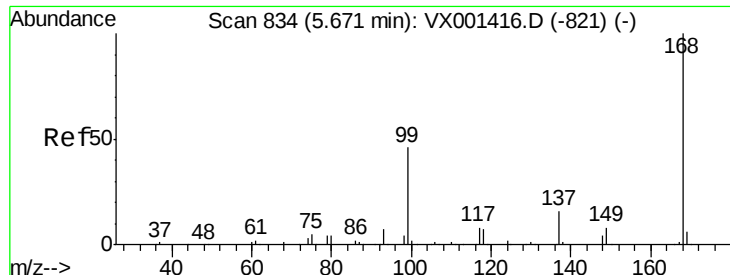
MMDadoda  
5/10/2018 1:52:01 PM

Quant Time: May 10 05:16:40 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
Quant Title : SW846 8260  
QLast Update : Sun May 06 07:59:25 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 103952   | 20.57 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 57135    | 20.67 | ug/l  | 98       |
| 95) Naphthalene            | 13.84 | 128  | 310855   | 22.25 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.03 | 180  | 112895   | 21.78 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion:168 Resp: 214914

Ion Ratio Lower Upper

168 100

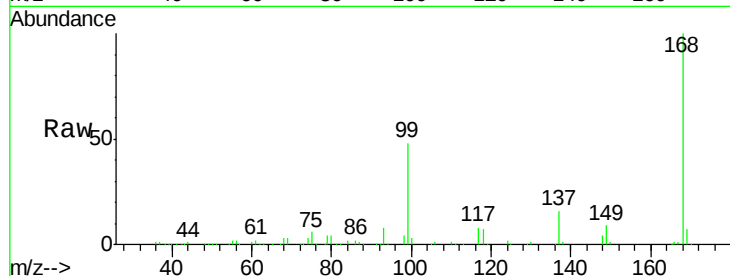
99 47.9 36.6 54.8

Manual Integrations

APPROVED

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5/10/2018 1:52:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

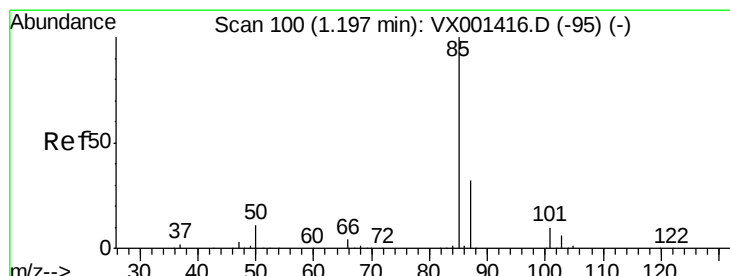
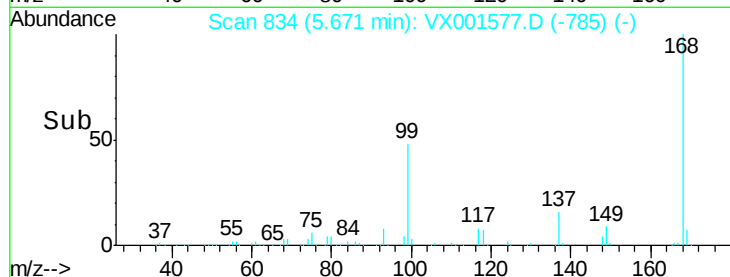
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 21.78 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001577.D

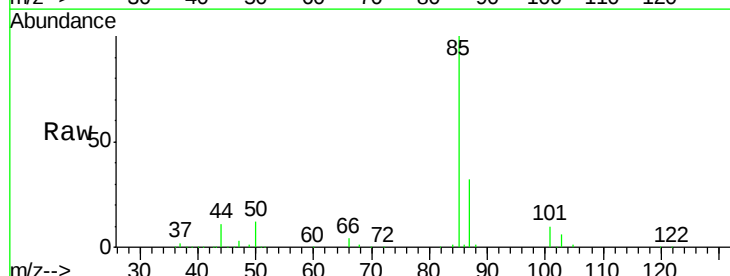
Acq: 10 May 2018 01:34

Tgt Ion: 85 Resp: 63022

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

40000

20000

0

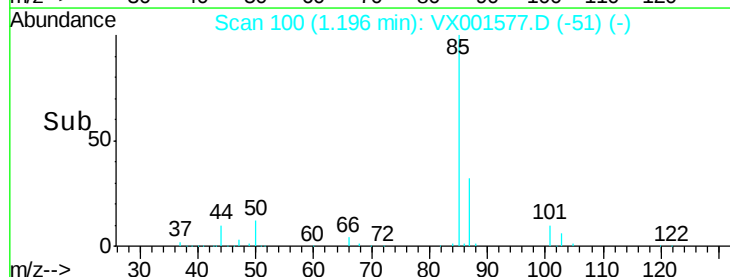
Time-->

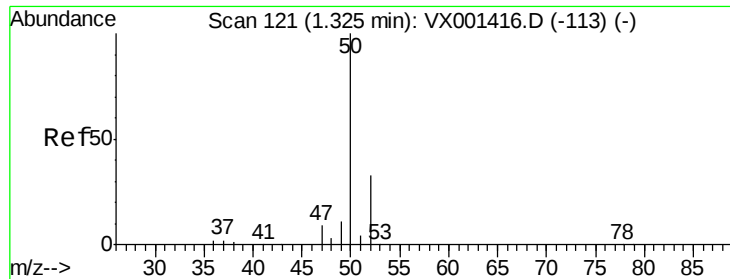
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 20.50 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion: 50 Resp: 57761

Ion Ratio Lower Upper

50 100

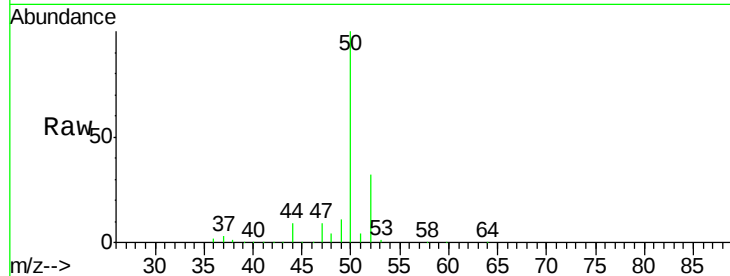
52 32.1 26.2 39.4

Manual Integrations

APPROVED

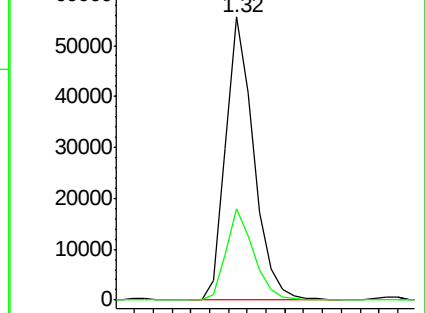
MMDadoda

5/10/2018 1:52:01 PM

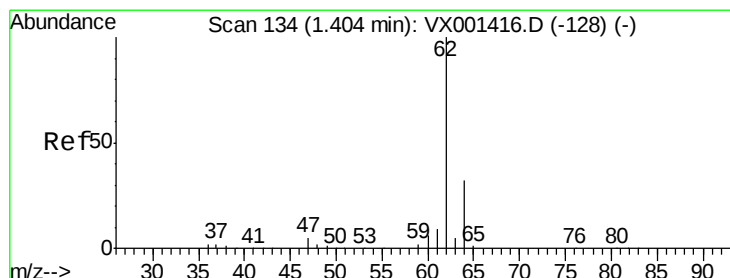
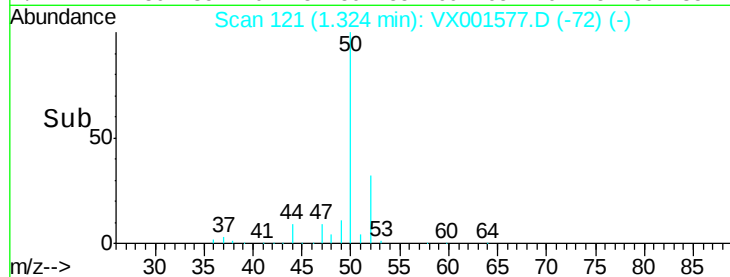


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 21.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001577.D

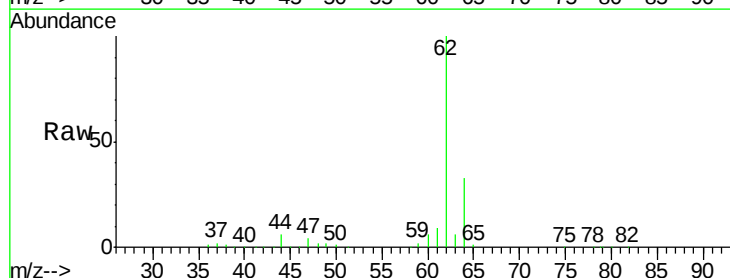
Acq: 10 May 2018 01:34

Tgt Ion: 62 Resp: 62730

Ion Ratio Lower Upper

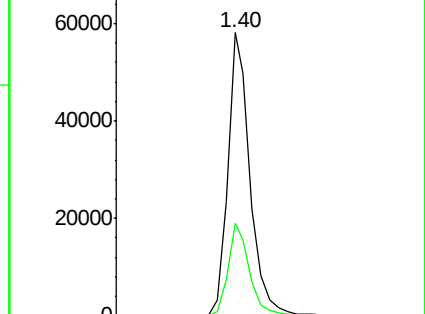
62 100

64 32.8 25.8 38.6

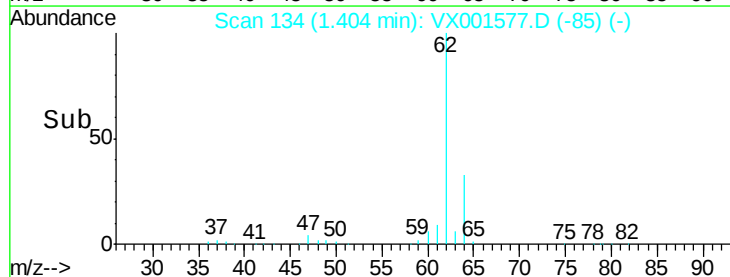


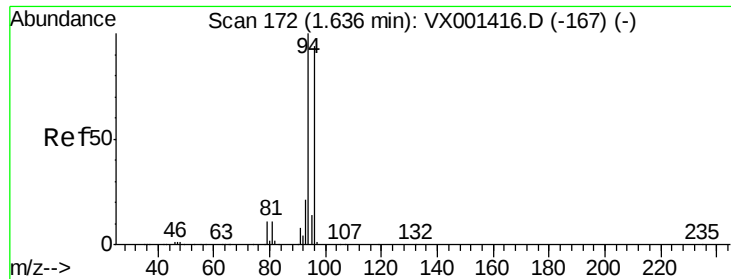
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 23.75 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBS02

Tot Ion: 94 Resp: 34405

Ion Ratio Lower Upper

94 100

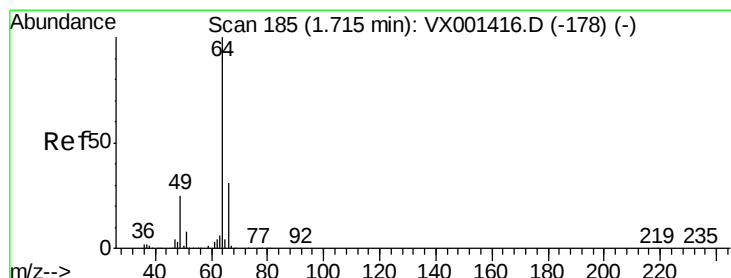
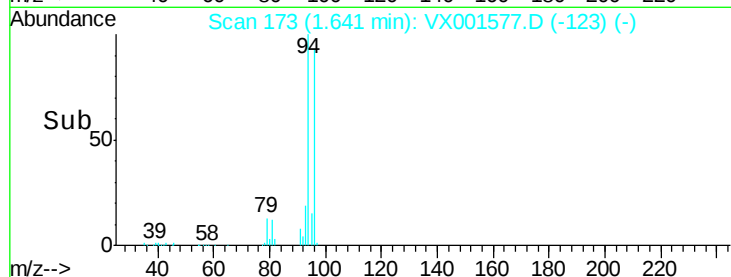
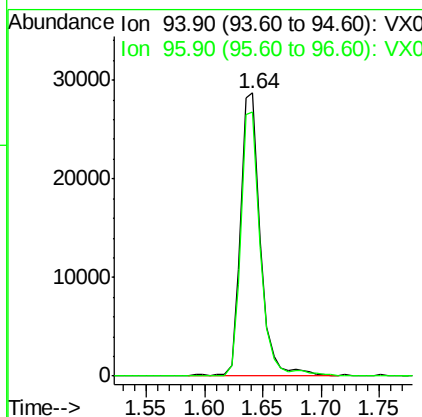
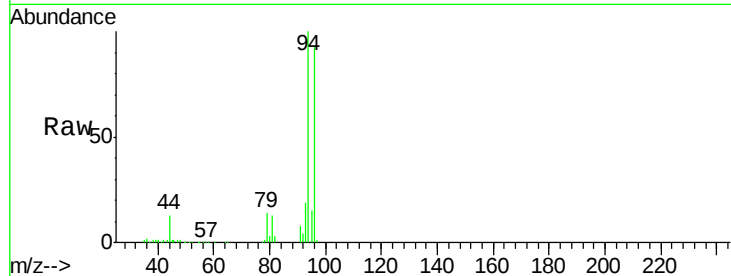
96 93.4 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:52:01 PM



#6

Chloroethane

Concen: 22.07 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001577.D

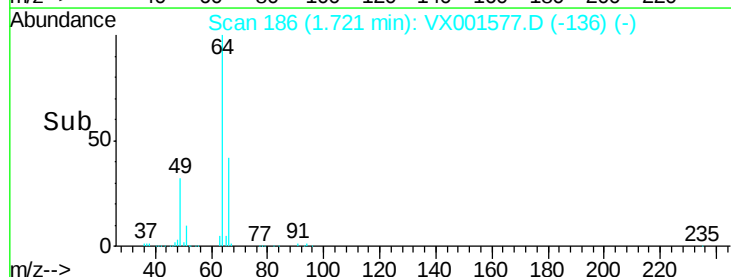
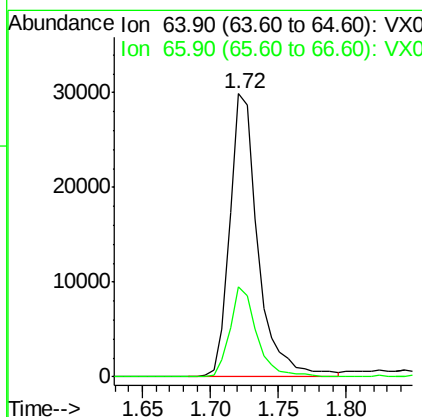
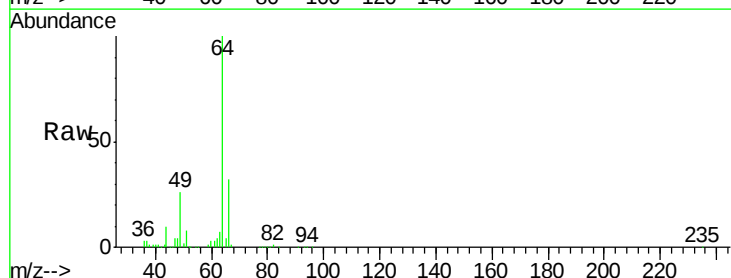
Acq: 10 May 2018 01:34

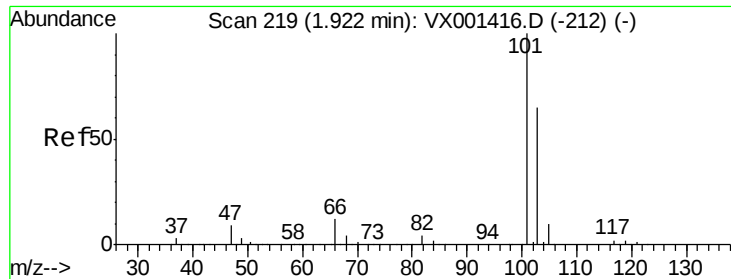
Tgt Ion: 64 Resp: 42895

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

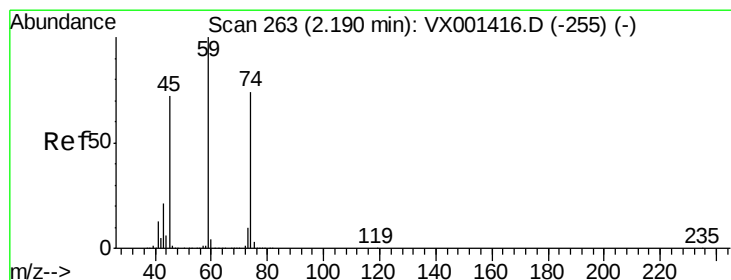
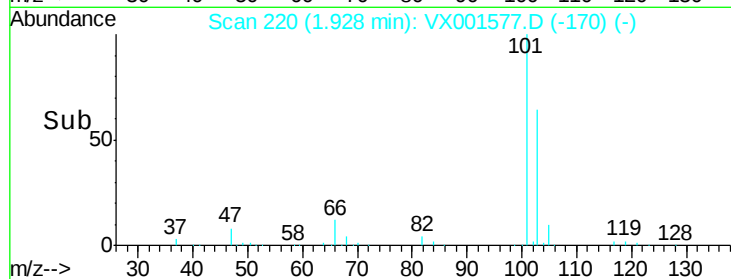
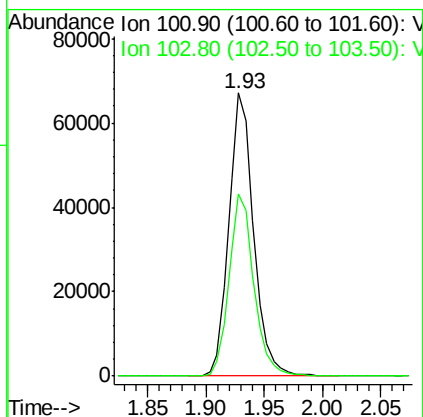
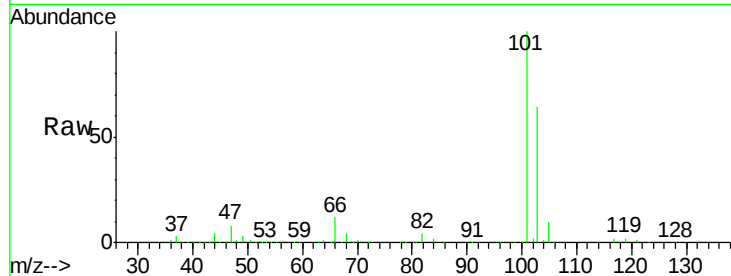
Trichlorofluoromethane  
 Concen: 22.39 ug/l  
 RT: 1.93 min Scan# 220  
 Delta R.T. 0.01 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 52.0  | 78.0  |

Manual Integrations  
 APPROVED

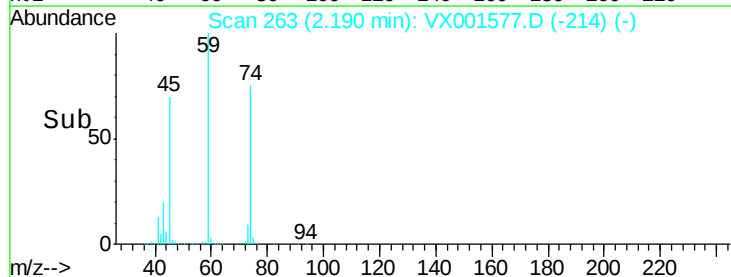
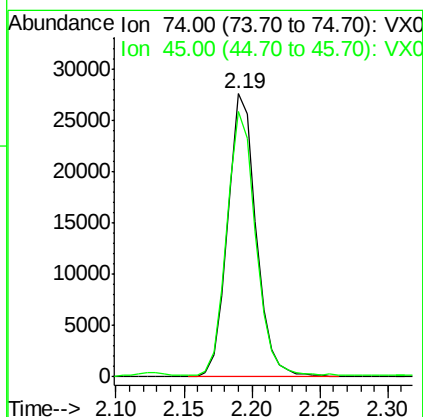
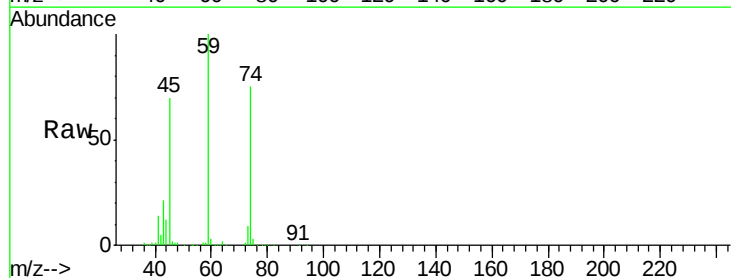
MMDadoda  
 5/10/2018 1:52:01 PM

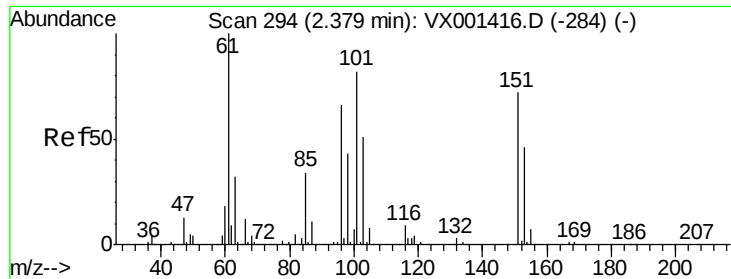


#8

Diethyl Ether  
 Concen: 23.19 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 93.6  | 47.9  | 143.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.64 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

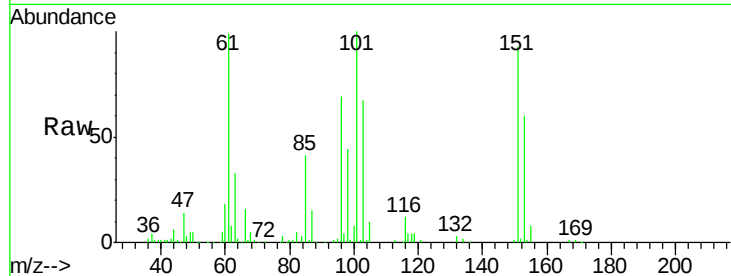
ClientSampleId :

VX0509MBS02

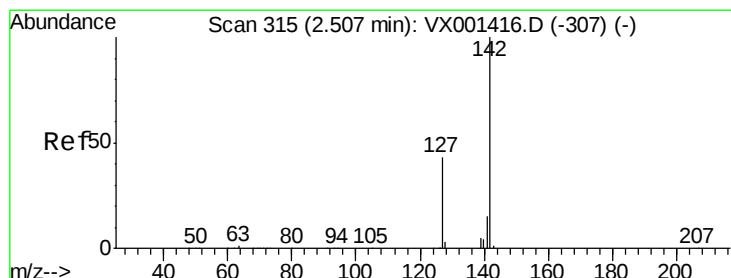
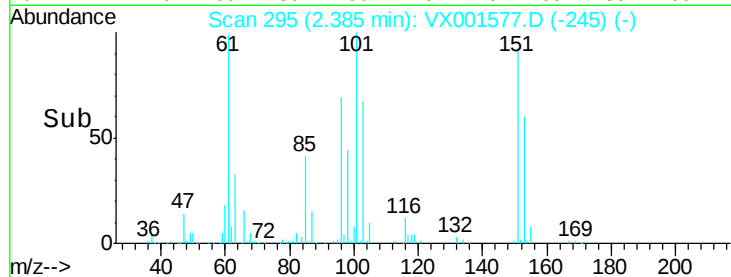
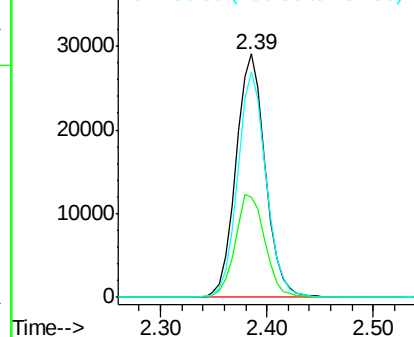
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 56137 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.7  | 33.7  | 50.5  |
| 151       | 89.7  | 72.3  | 108.5 |

Manual Integrations  
APPROVED

MMDadoda  
5/10/2018 1:52:01 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.99 ug/l

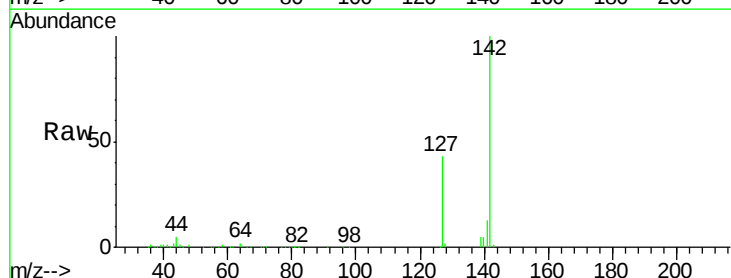
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

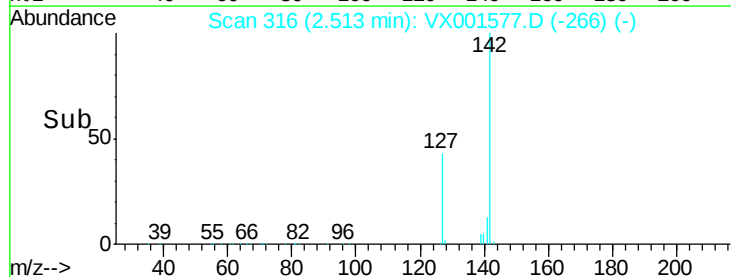
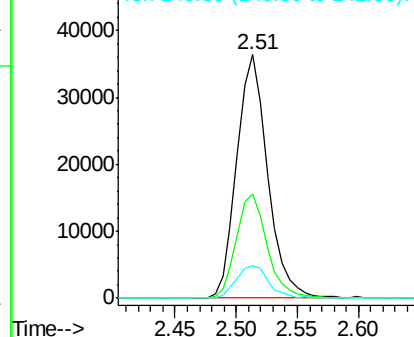
Lab File: VX001577.D

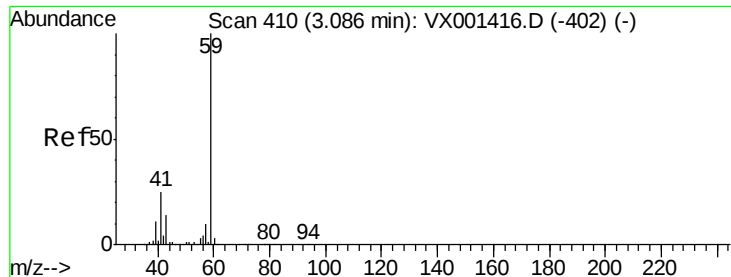
Acq: 10 May 2018 01:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 63604 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.7  | 33.6  | 50.4  |
| 141       | 14.0  | 11.4  | 17.2  |



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





#11

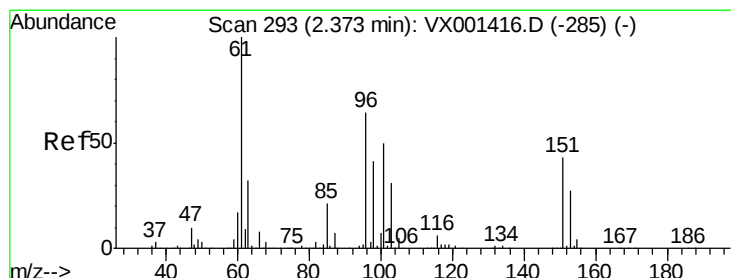
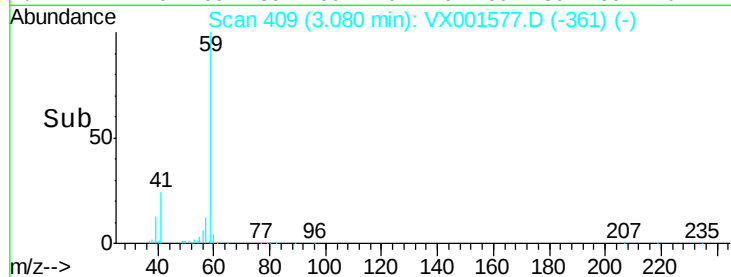
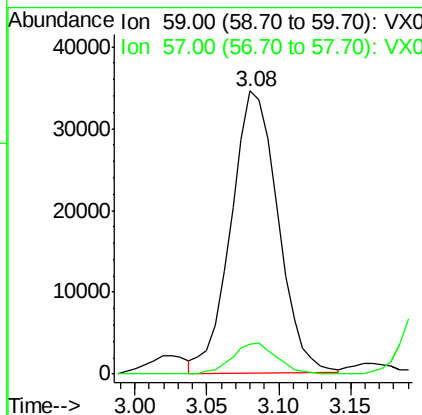
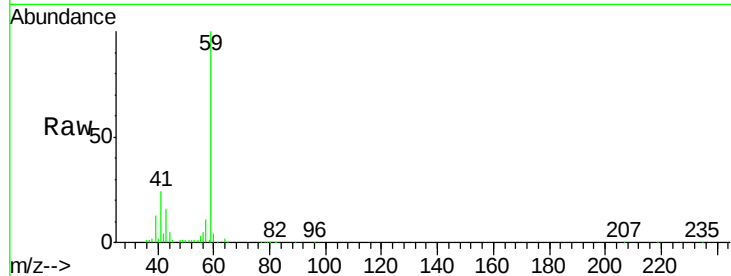
Tert butyl alcohol  
Concen: 120.01 ug/l  
RT: 3.08 min Scan# 409  
Delta R.T. -0.01 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion   | 59   | Resp  | 78163 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.8 | 8.2   | 12.4  |

Manual Integrations  
APPROVED

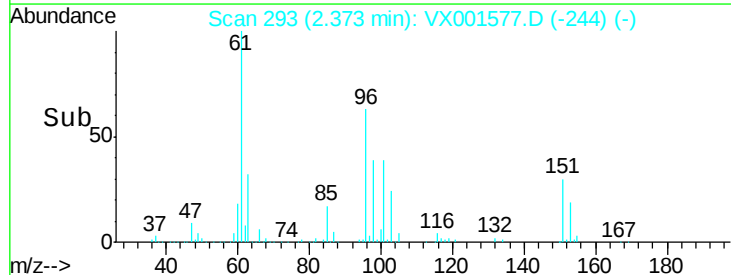
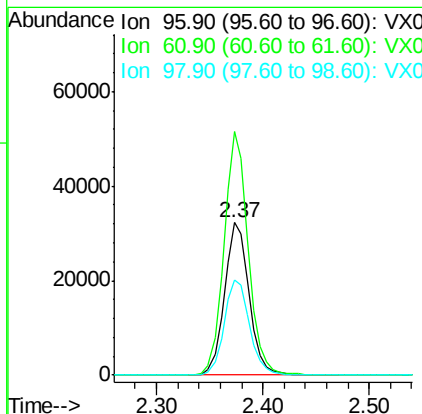
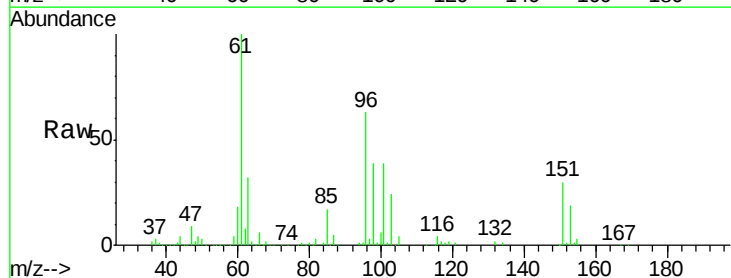
MMDadoda  
5/10/2018 1:52:01 PM

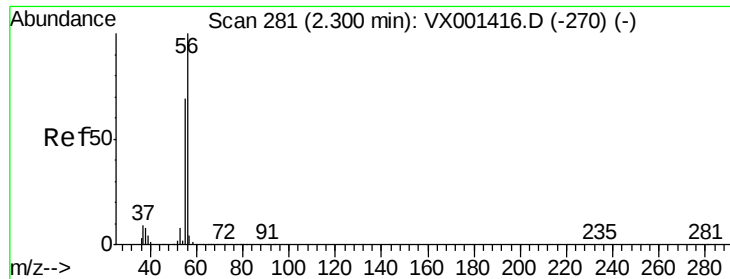


#12

1,1-Dichloroethene  
Concen: 21.92 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion   | 96    | Resp  | 52123 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 159.8 | 125.7 | 188.5 |
| 98        | 62.3  | 52.0  | 78.0  |





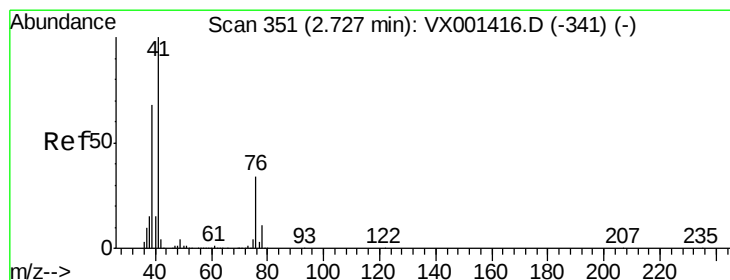
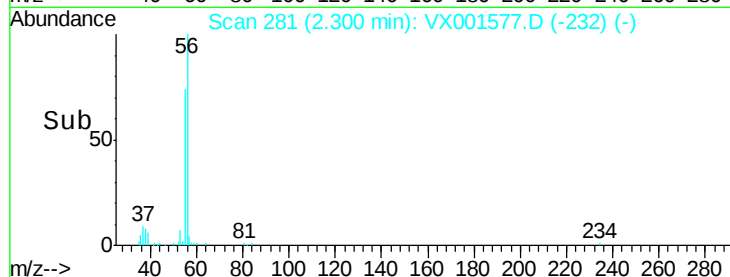
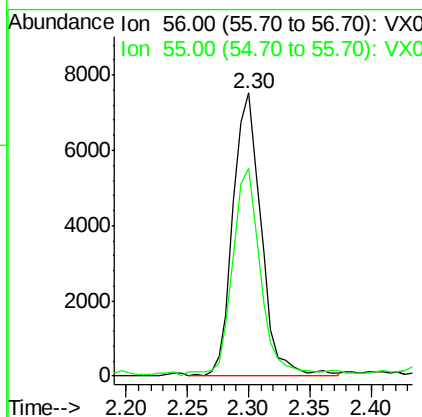
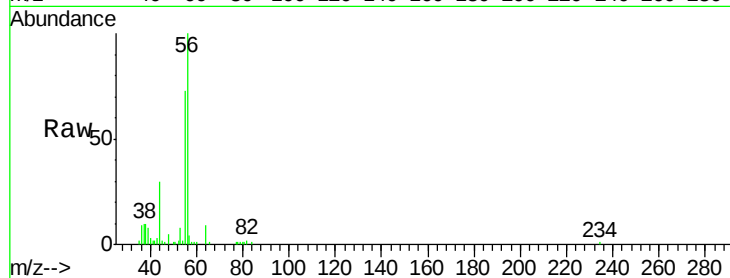
#13  
Acrolein  
Concen: 86.34 ug/l  
RT: 2.30 min Scan# 281  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.9  | 54.5  | 81.7  |

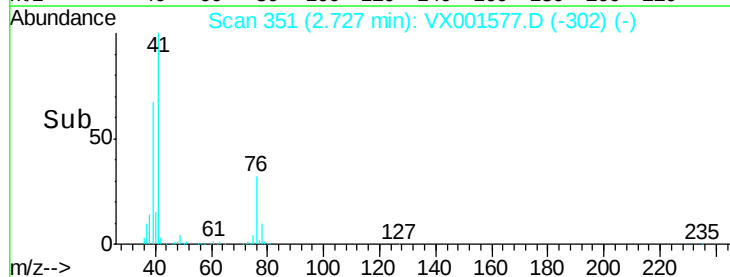
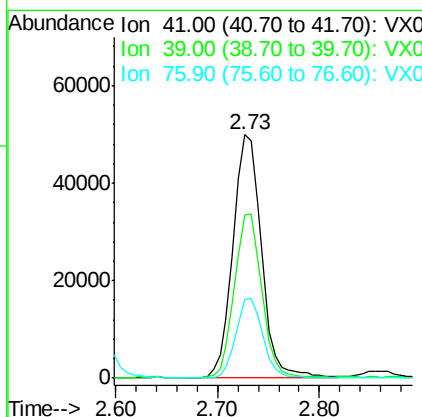
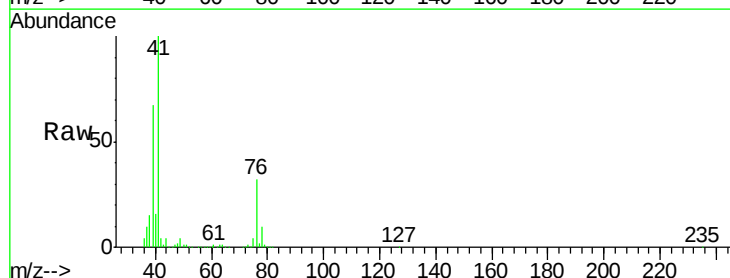
Manual Integrations  
APPROVED

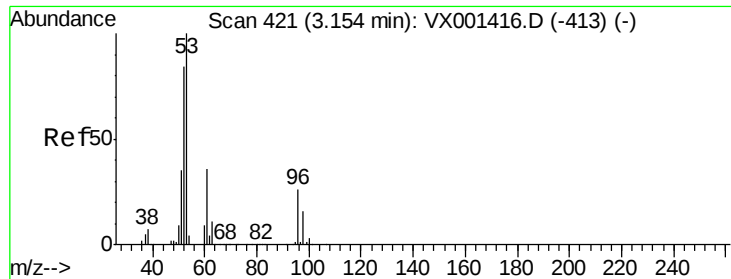
MMDadoda  
5/10/2018 1:52:01 PM



#14  
Allyl chloride  
Concen: 21.70 ug/l  
RT: 2.73 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.9  | 52.4  | 78.6  |
| 76      | 31.1  | 25.8  | 38.6  |





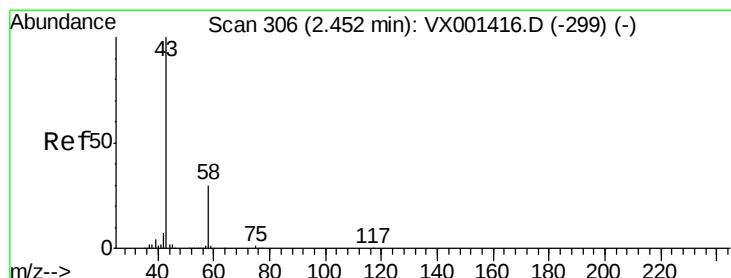
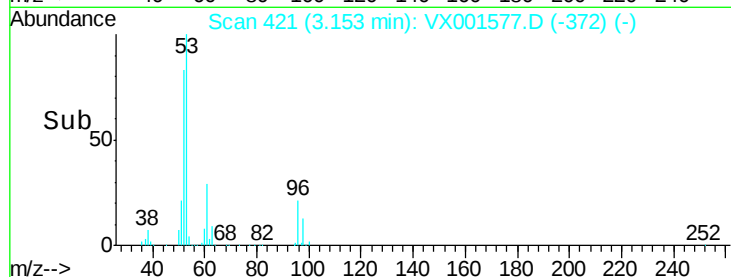
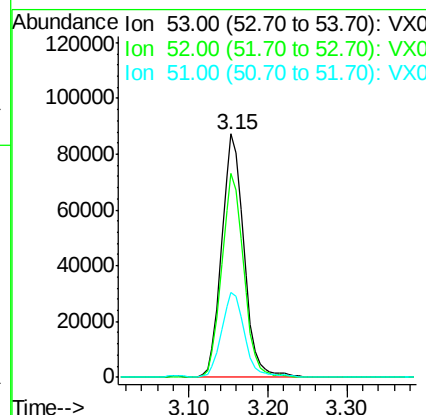
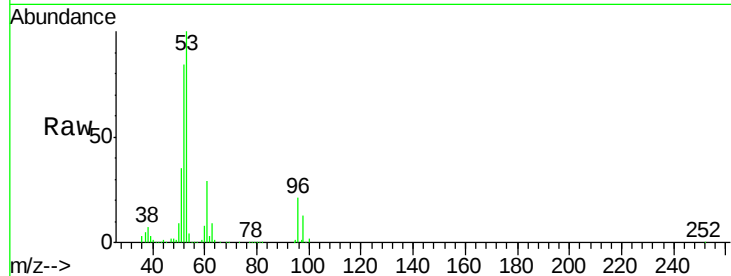
#15  
 Acrylonitrile  
 Concen: 116.46 ug/l  
 RT: 3.15 min Scan# 421  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.3  | 66.2  | 99.2  |
| 51      | 36.0  | 28.6  | 43.0  |

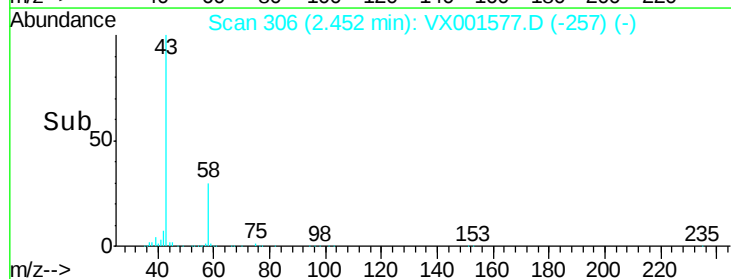
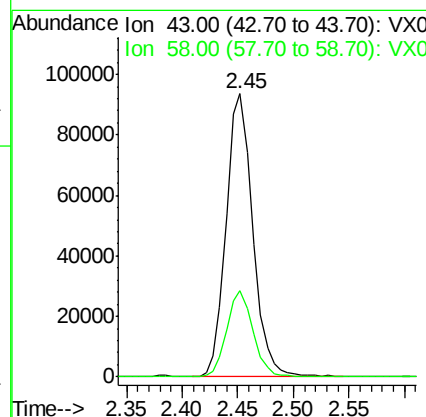
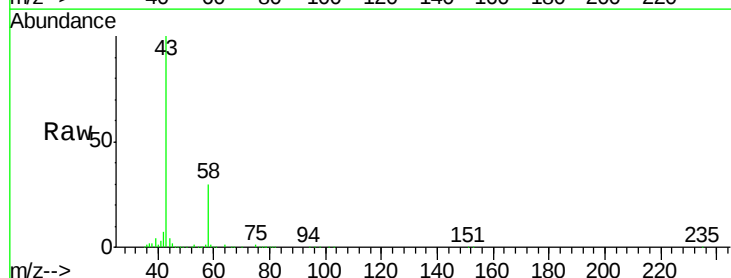
Manual Integrations  
 APPROVED

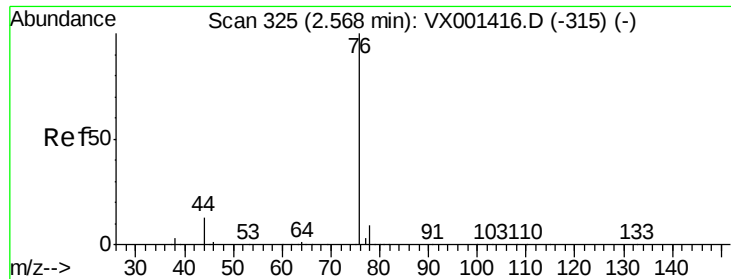
MMDadoda  
 5/10/2018 1:52:01 PM



#16  
 Acetone  
 Concen: 110.27 ug/l  
 RT: 2.45 min Scan# 306  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 30.4  | 23.8  | 35.8  |





#17

Carbon Disulfide

Concen: 19.94 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion: 76 Resp: 120695

Ion Ratio Lower Upper

76 100

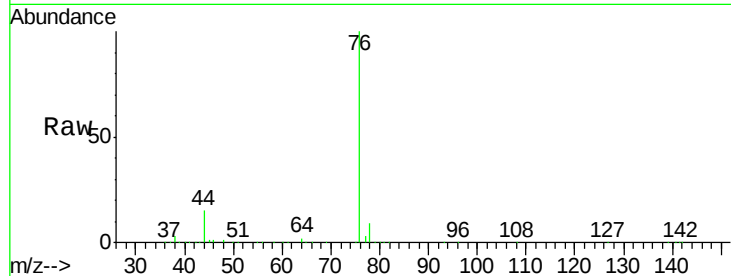
78 8.5 7.4 11.2

Manual Integrations

APPROVED

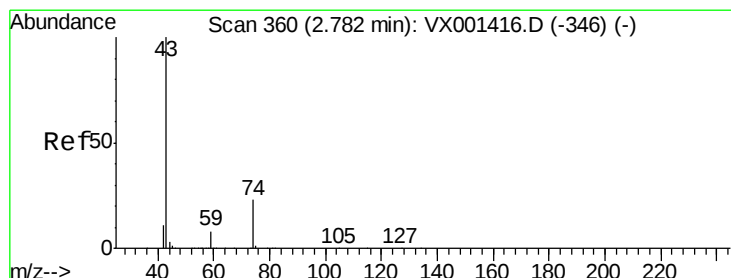
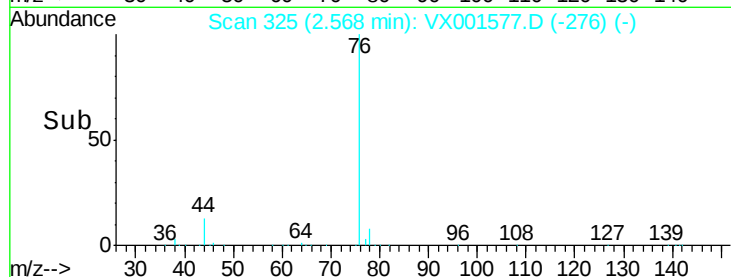
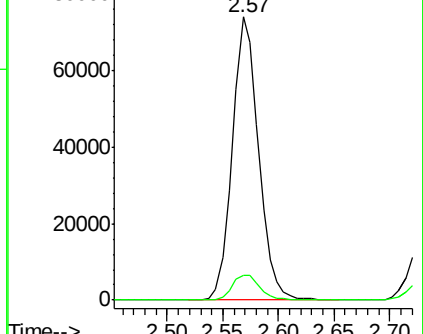
MMDadoda

5/10/2018 1:52:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.61 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001577.D

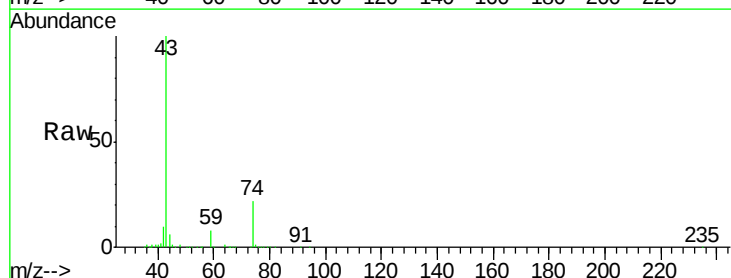
Acq: 10 May 2018 01:34

Tgt Ion: 43 Resp: 94362

Ion Ratio Lower Upper

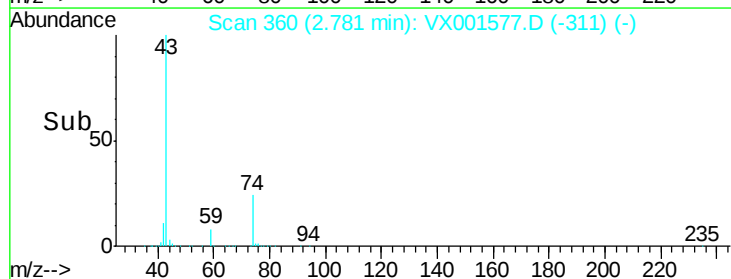
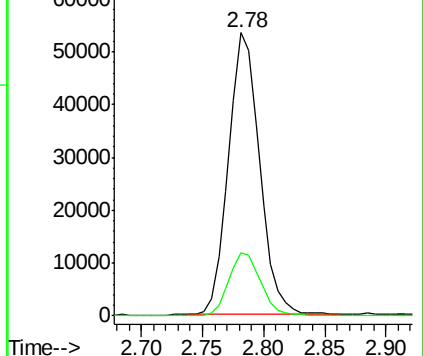
43 100

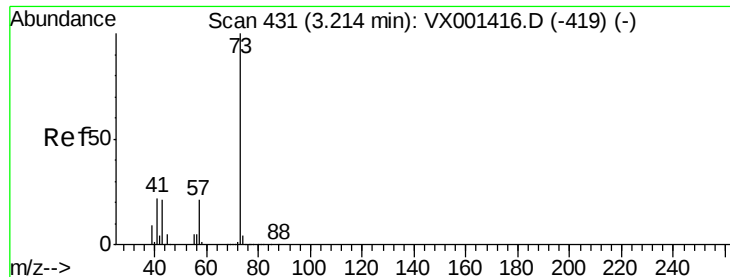
74 23.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





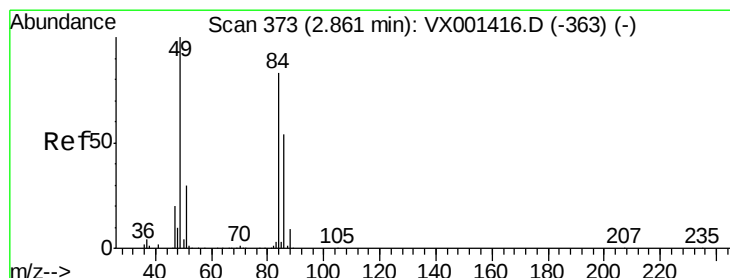
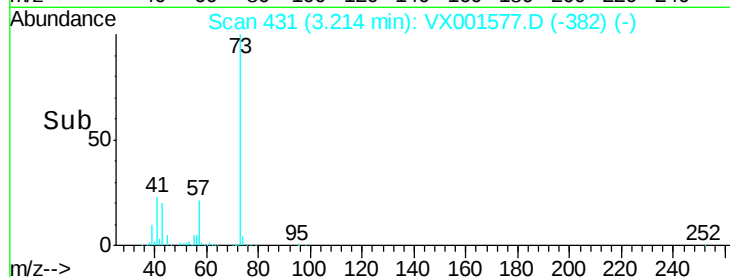
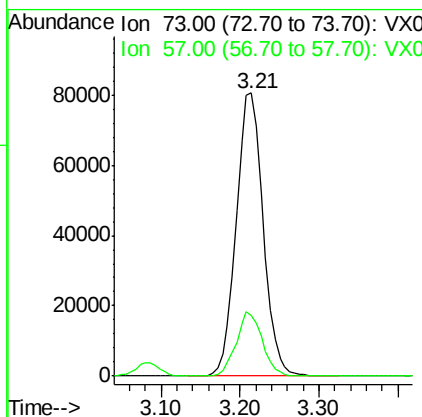
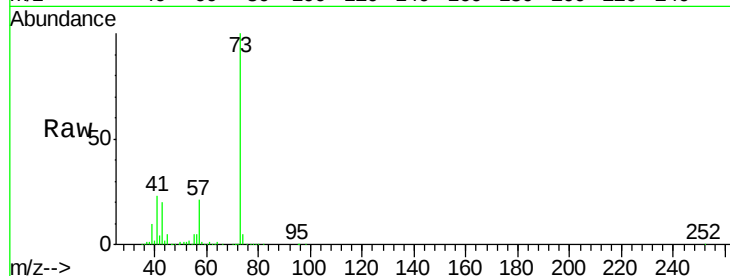
#19  
Methyl tert-butyl Ether  
Concen: 23.11 ug/l  
RT: 3.21 min Scan# 431  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.4  | 17.0  | 25.6  |

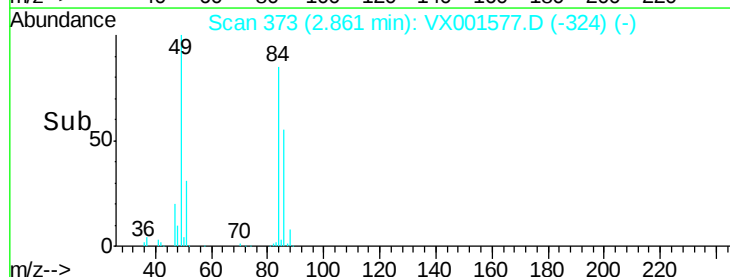
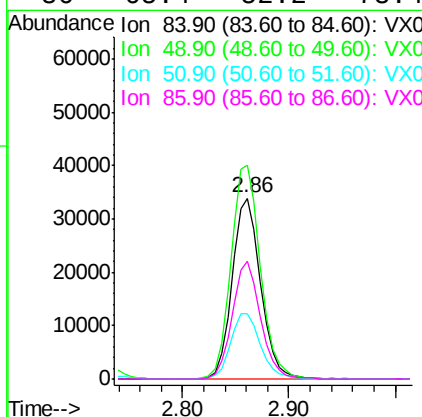
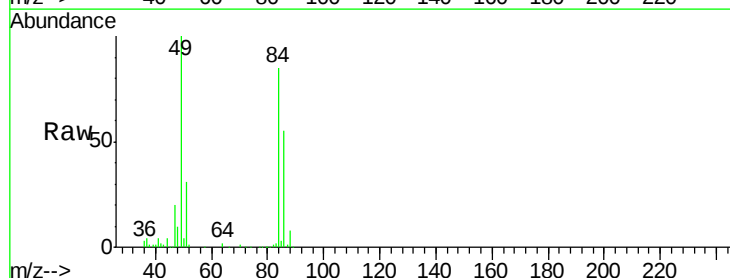
Manual Integrations  
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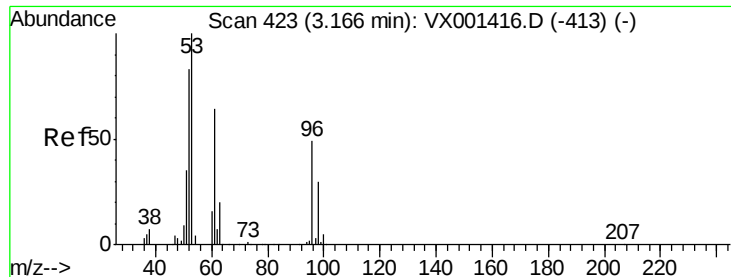
MMDadoda  
5/10/2018 1:52:01 PM



#20  
Methylene Chloride  
Concen: 22.93 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 118.1 | 96.6  | 144.8 |
| 51      | 36.1  | 29.0  | 43.4  |
| 86      | 65.4  | 52.2  | 78.4  |





#21

trans-1,2-Dichloroethene

Concen: 20.98 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBS02

Tot Ion: 96 Resp: 55685

Ion Ratio Lower Upper

96 100

61 136.2 105.0 157.4

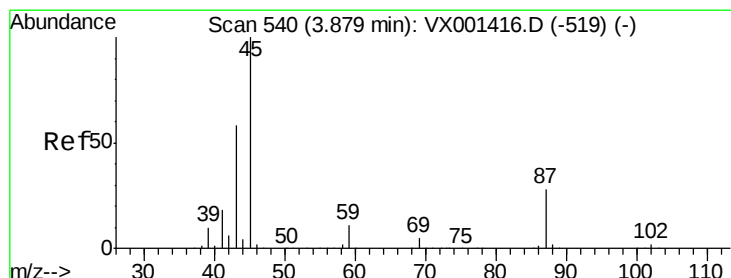
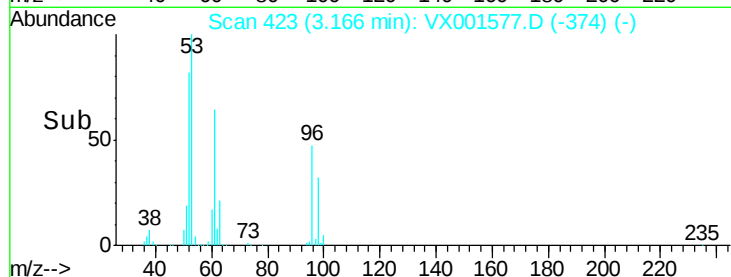
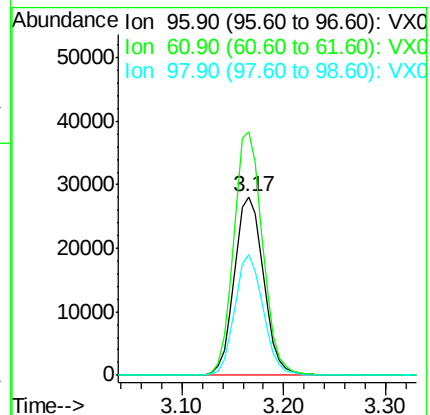
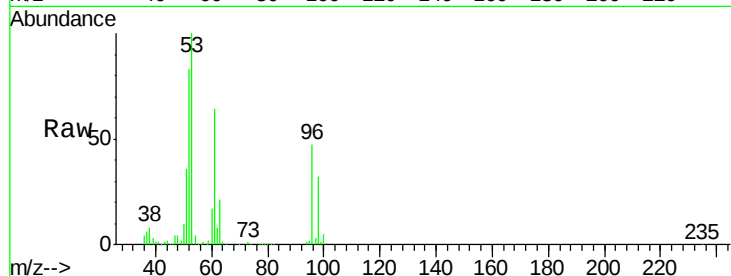
98 67.6 49.9 74.9

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:52:01 PM



#22

Diisopropyl ether

Concen: 22.45 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Tgt Ion: 45 Resp: 186024

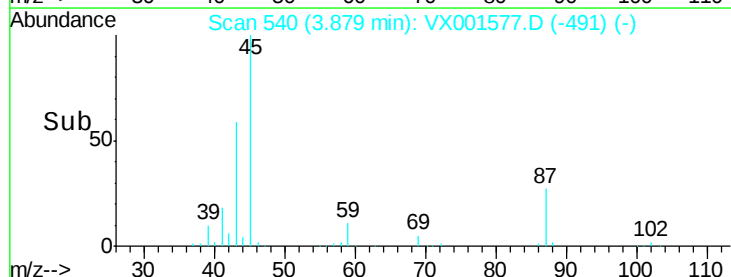
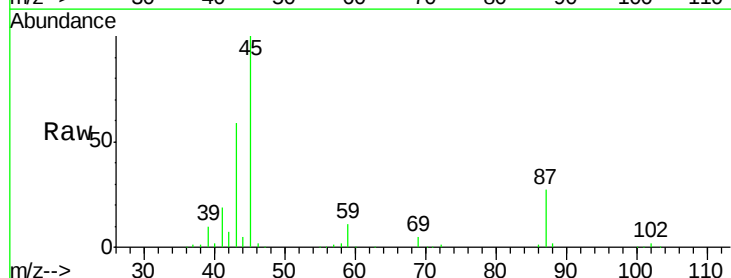
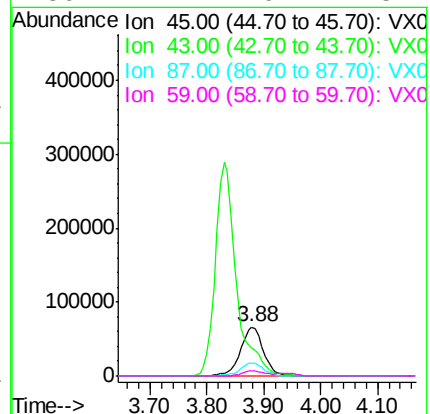
Ion Ratio Lower Upper

45 100

43 58.5 46.5 69.7

87 26.9 22.6 34.0

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 108.24 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBS02

Tot Ion: 43 Resp: 747323

Ion Ratio Lower Upper

43 100

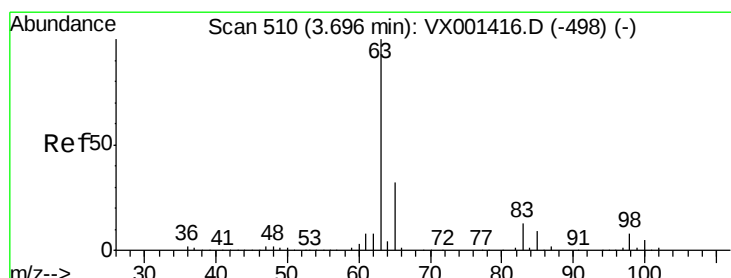
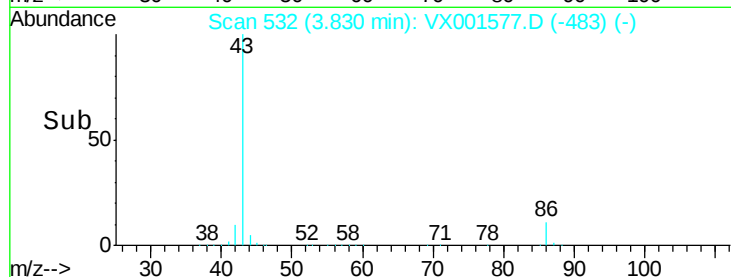
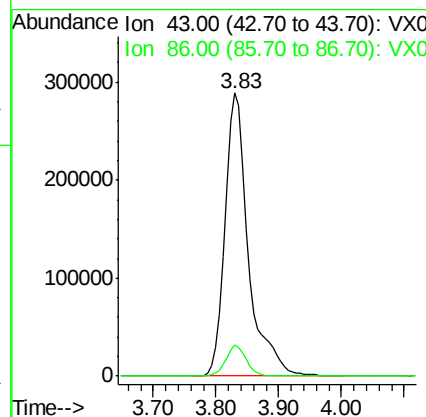
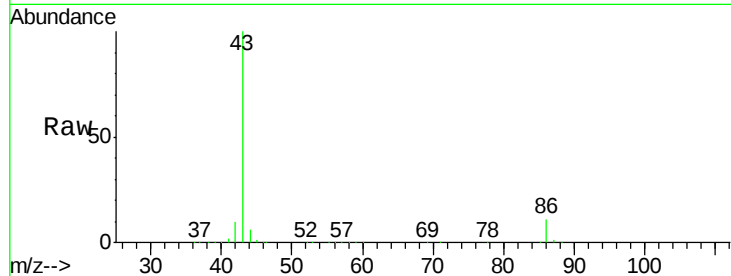
86 10.8 8.6 13.0

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 21.63 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

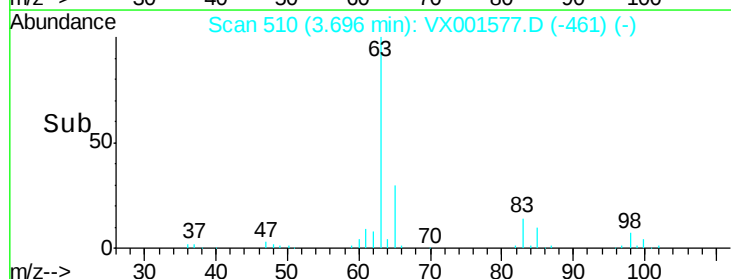
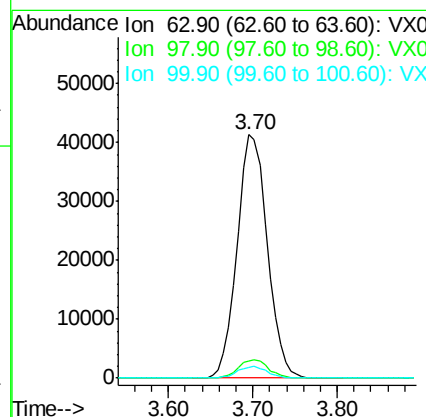
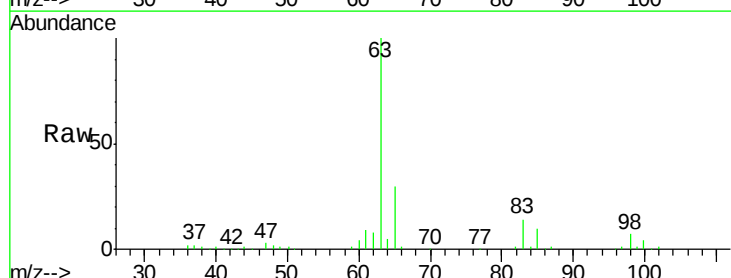
Tgt Ion: 63 Resp: 100119

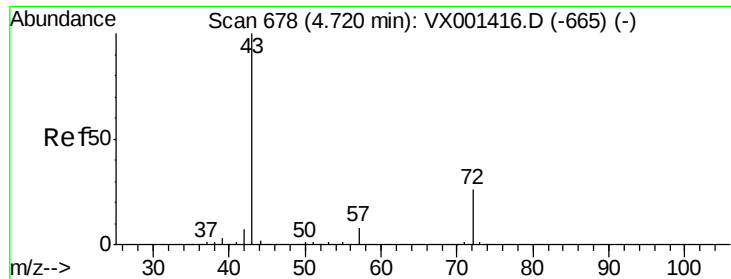
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 112.70 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion: 43 Resp: 228495

Ion Ratio Lower Upper

43 100

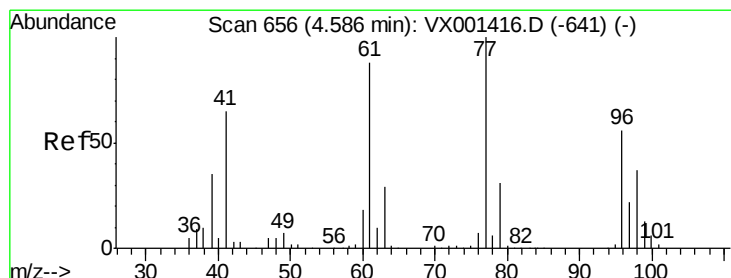
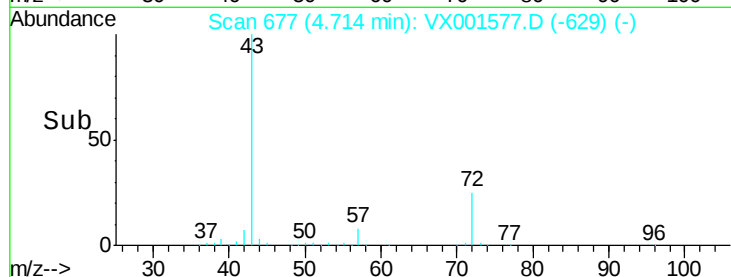
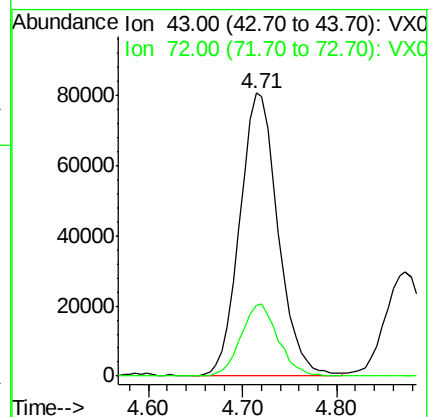
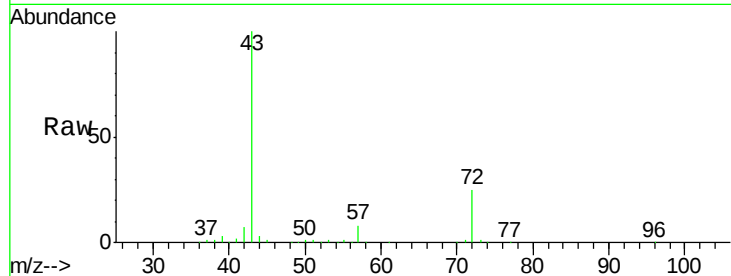
72 25.2 20.7 31.1

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:52:01 PM



#26

2,2-Dichloropropane

Concen: 16.06 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001577.D

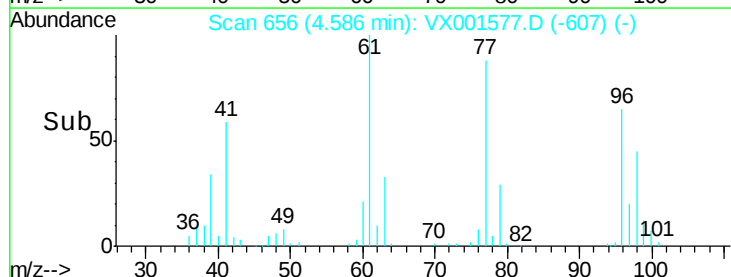
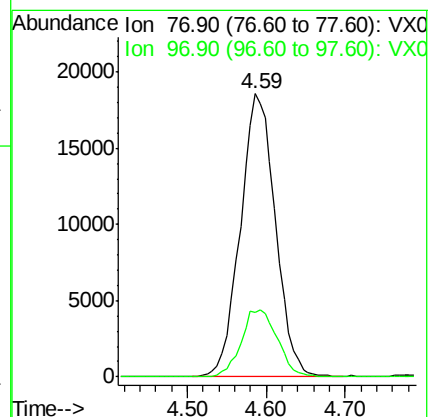
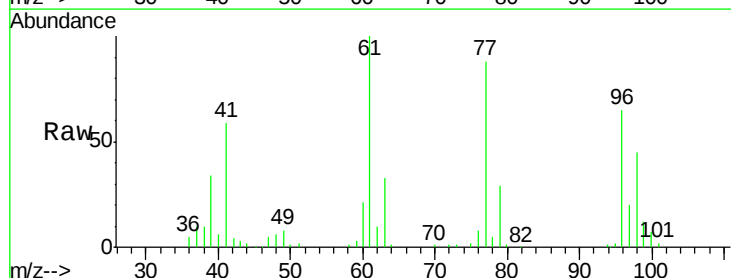
Acq: 10 May 2018 01:34

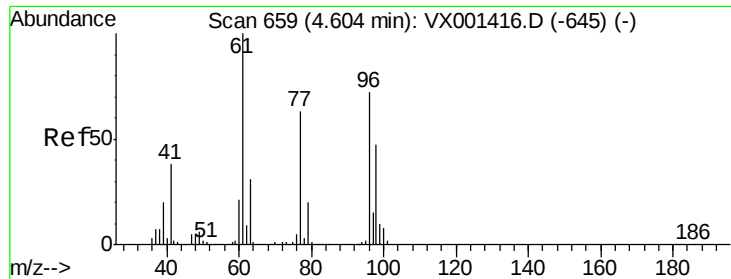
Tgt Ion: 77 Resp: 57391

Ion Ratio Lower Upper

77 100

97 24.5 11.2 33.6





#27

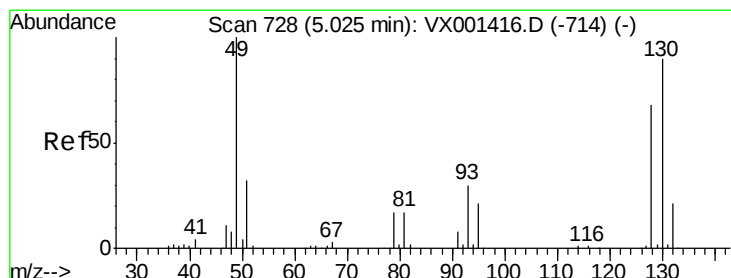
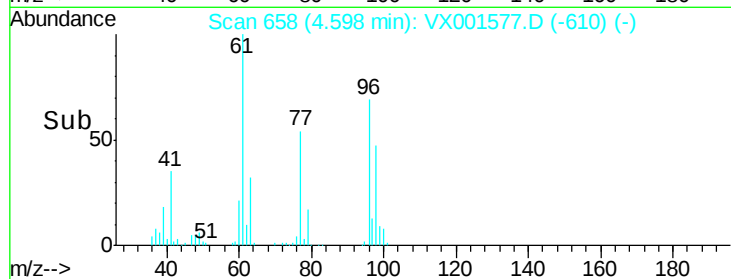
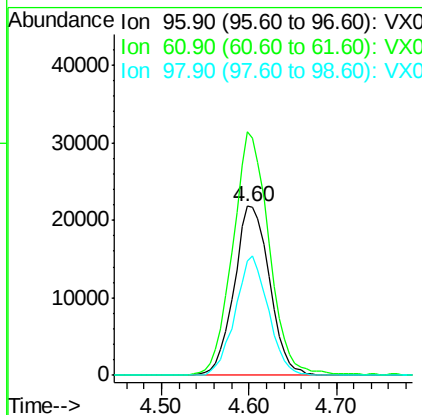
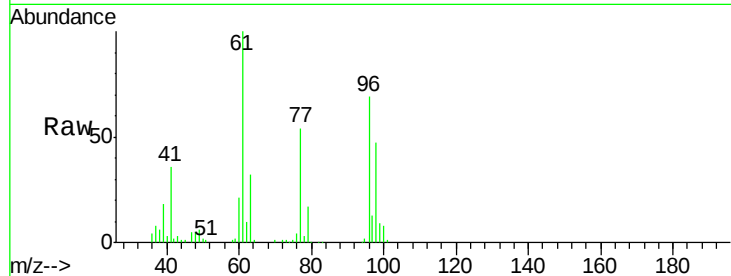
cis-1,2-Dichloroethene  
 Concen: 21.79 ug/l  
 RT: 4.60 min Scan# 658  
 Delta R.T. -0.01 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.2 | 0.0   | 301.6 |
| 98      | 65.9  | 0.0   | 131.6 |

Manual Integrations  
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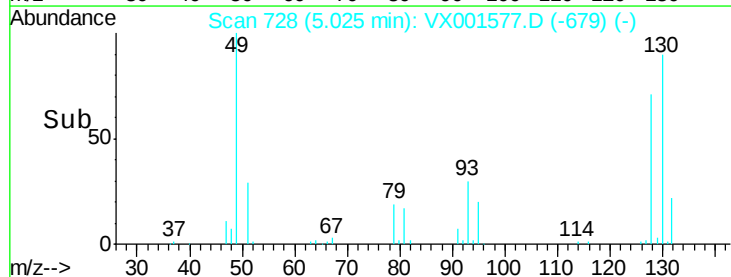
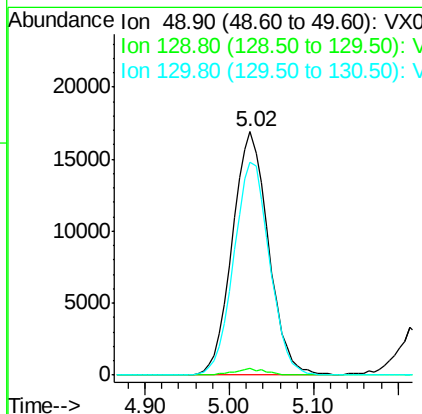
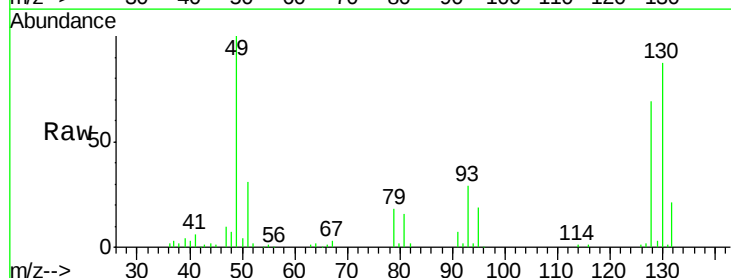
MMDadoda  
 5/10/2018 1:52:01 PM

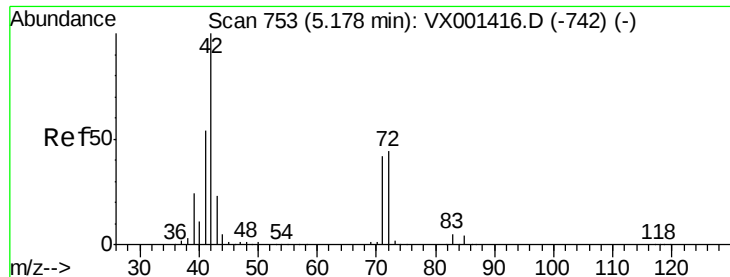


#28

Bromochloromethane  
 Concen: 24.47 ug/l  
 RT: 5.02 min Scan# 728  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 4.8   |
| 130     | 86.5  | 71.9  | 107.9 |





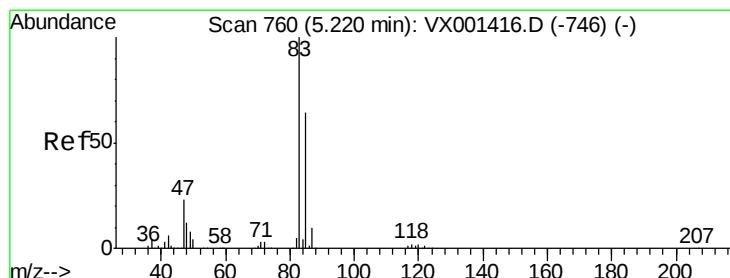
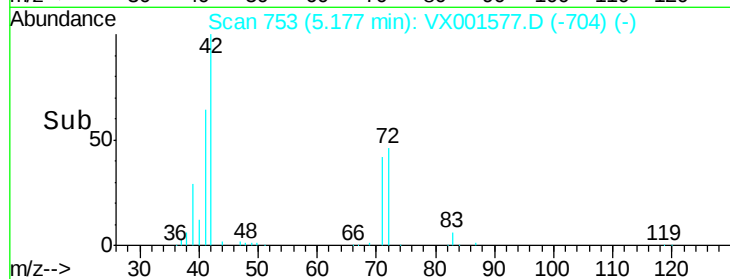
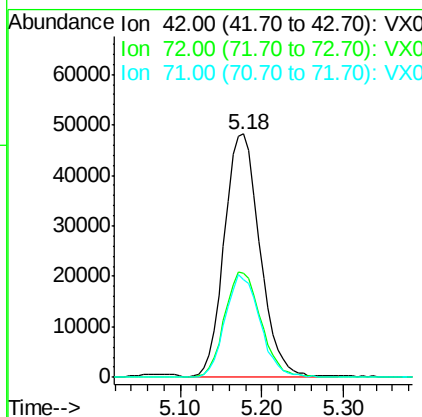
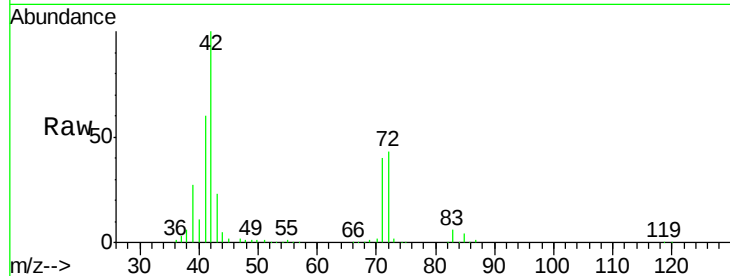
#29  
Tetrahydrofuran  
Concen: 111.27 ug/l  
RT: 5.18 min Scan# 753  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.5  | 35.4  | 53.2  |
| 71      | 41.6  | 33.0  | 49.4  |

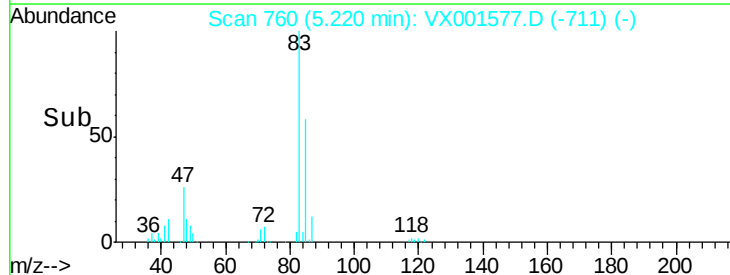
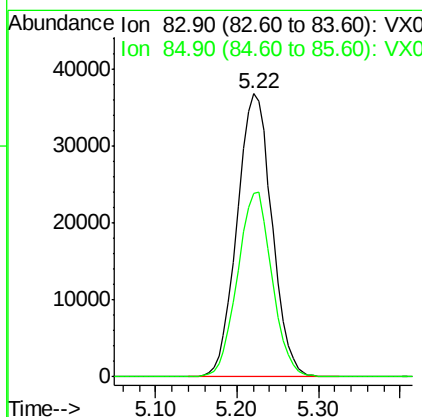
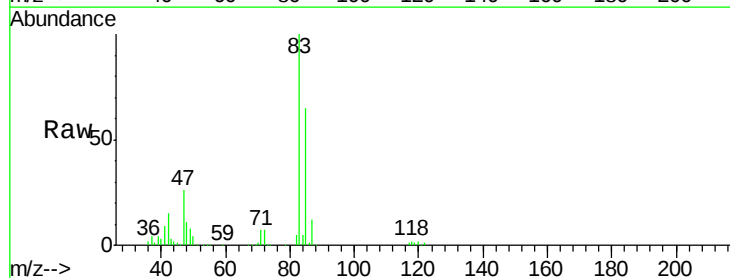
Manual Integrations  
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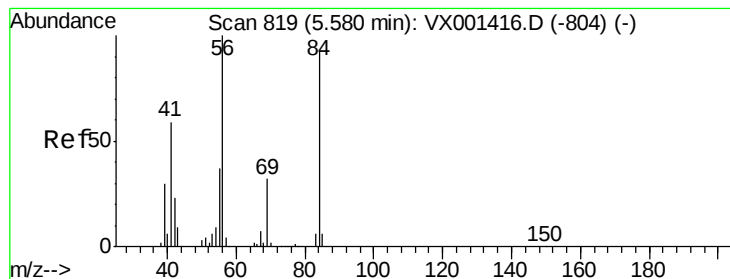
MMDadoda  
5/10/2018 1:52:01 PM



#30  
Chloroform  
Concen: 22.94 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 51.0  | 76.4  |





#31

Cyclohexane

Concen: 21.02 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

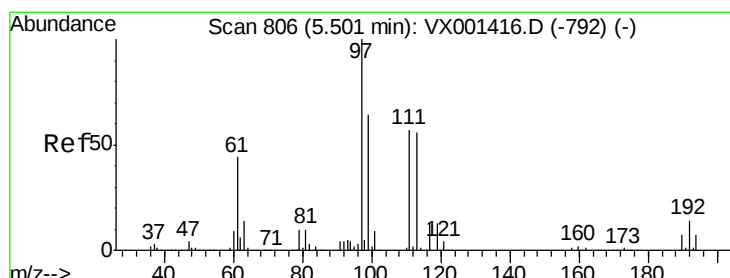
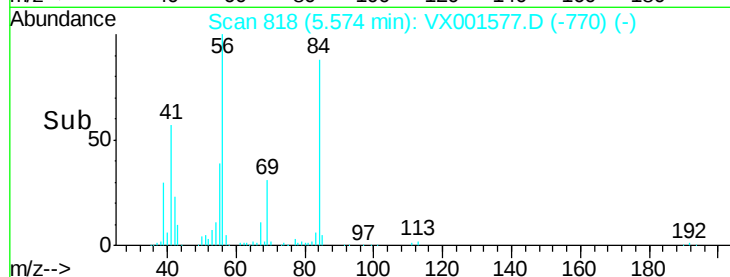
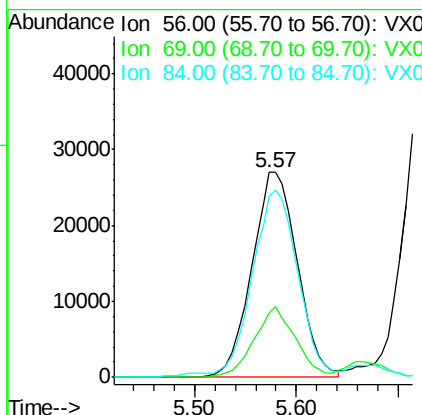
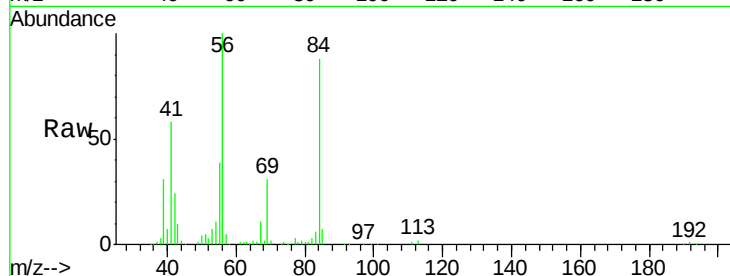
ClientSampleId :

VX0509MBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 83545 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.2  | 25.4  | 38.0  |
| 84       | 86.3  | 73.8  | 110.8 |

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#32

1,1,1-Trichloroethane

Concen: 22.78 ug/l

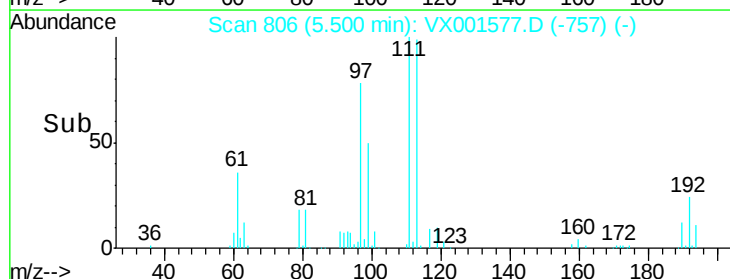
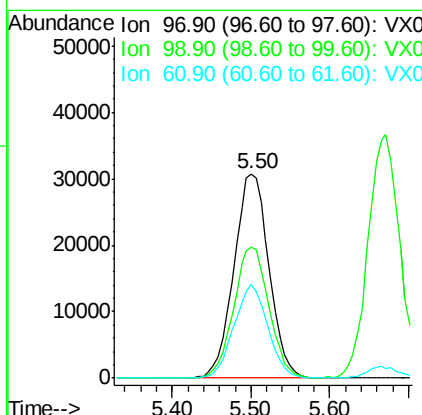
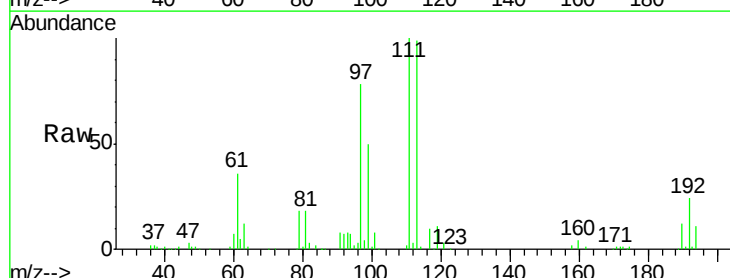
RT: 5.50 min Scan# 806

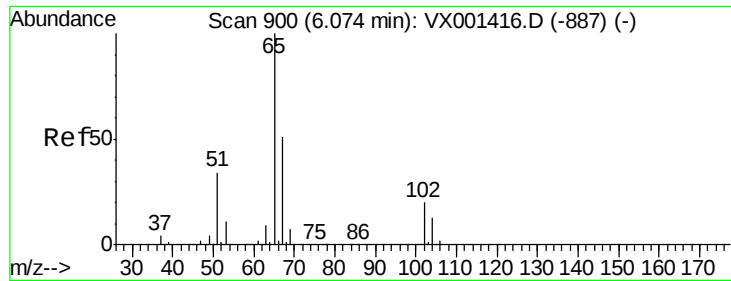
Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 94899 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.5  | 51.3  | 76.9  |
| 61       | 44.2  | 34.8  | 52.2  |





#33

1,2-Dichloroethane-d4

Concen: 48.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion: 65 Resp: 150673

Ion Ratio Lower Upper

65 100

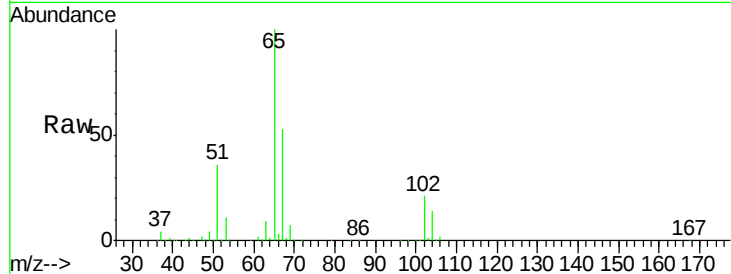
67 51.1 0.0 101.8

Manual Integrations

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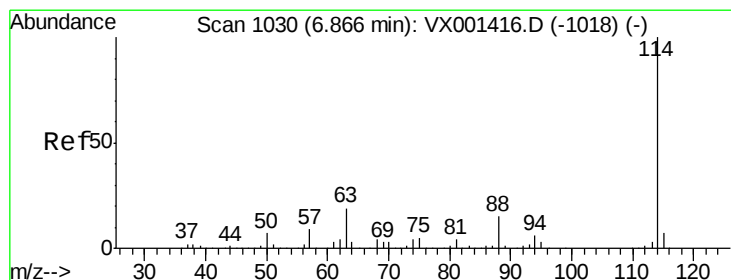
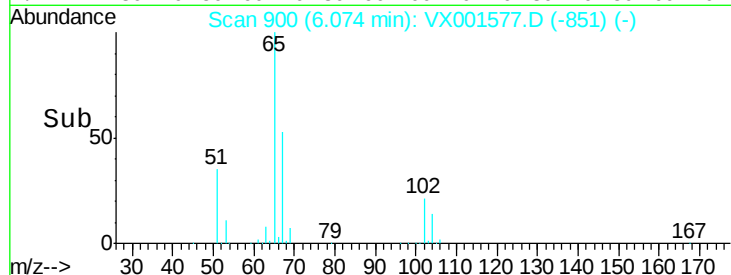
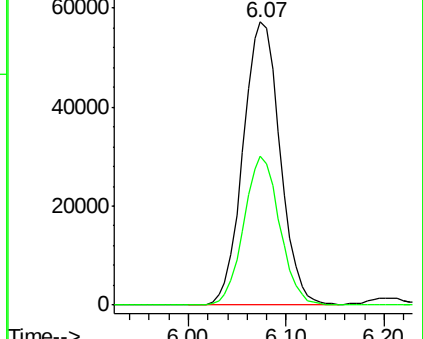
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

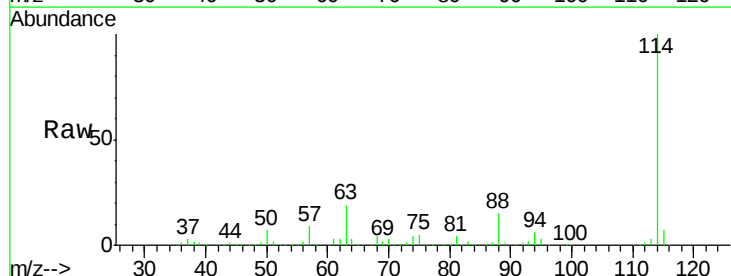
Tgt Ion: 114 Resp: 288019

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

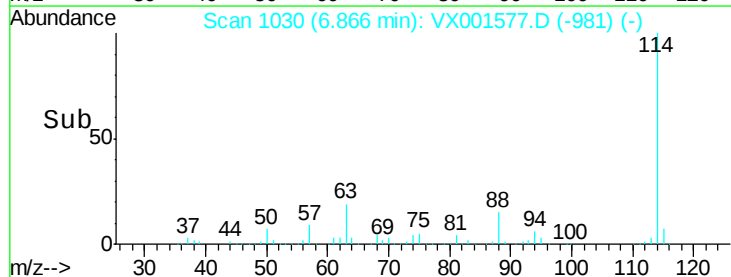
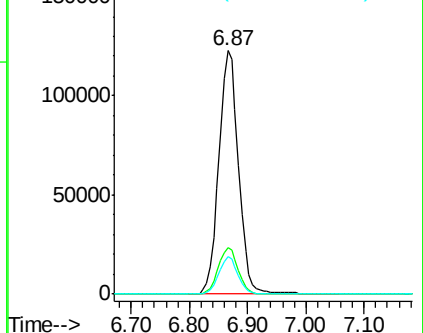
88 15.3 0.0 30.8

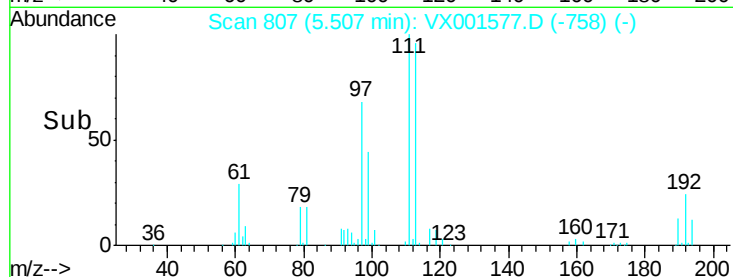
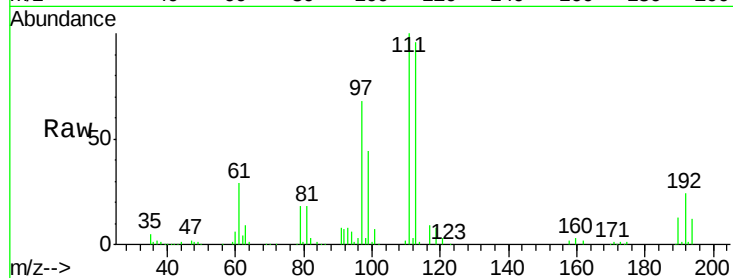
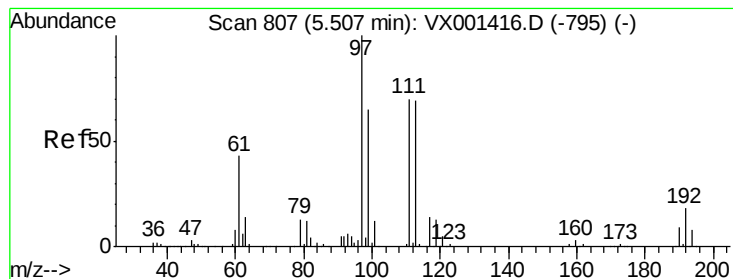


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.49 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX001577.D

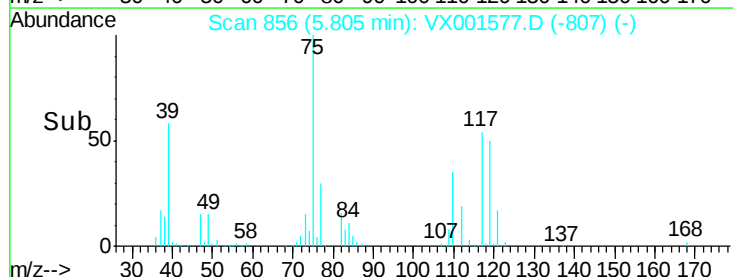
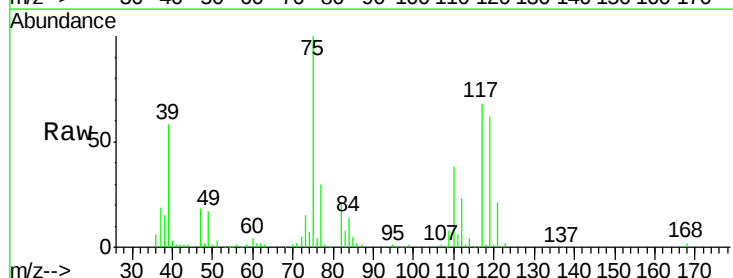
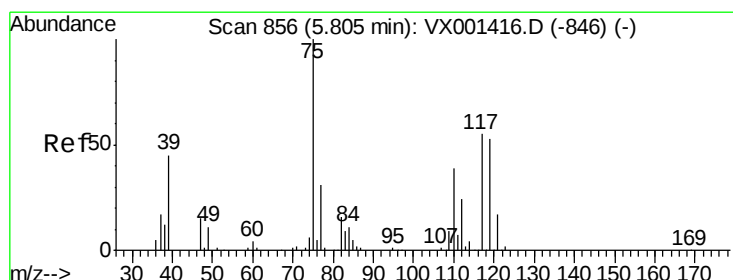
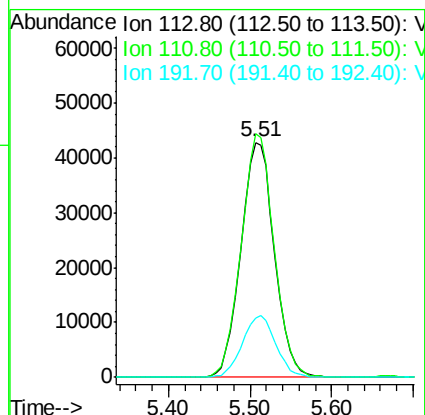
Acq: 10 May 2018 01:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 121660 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.0 | 82.2  | 123.2  |
| 192       | 26.1  | 21.4  | 32.0   |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

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#36

1,1-Dichloropropene

Concen: 20.22 ug/l

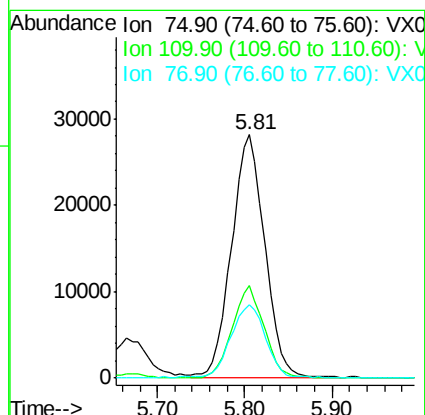
RT: 5.81 min Scan# 856

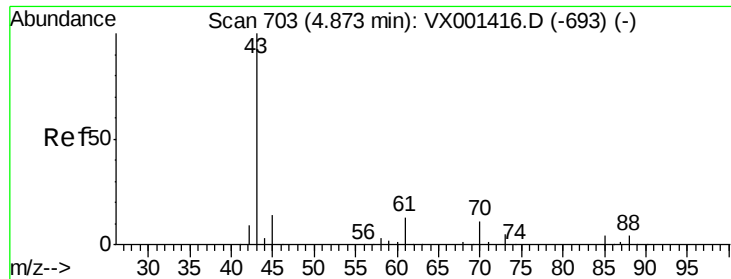
Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 74068 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.7  | 18.9  | 56.7  |
| 77        | 32.3  | 24.9  | 37.3  |





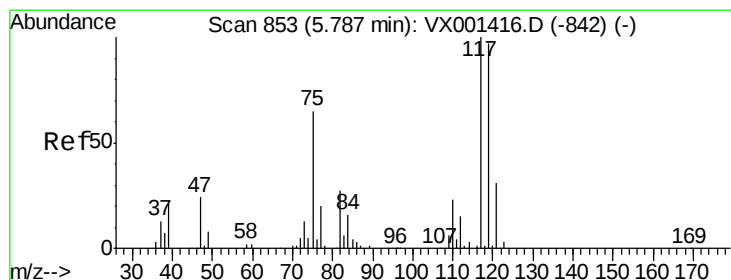
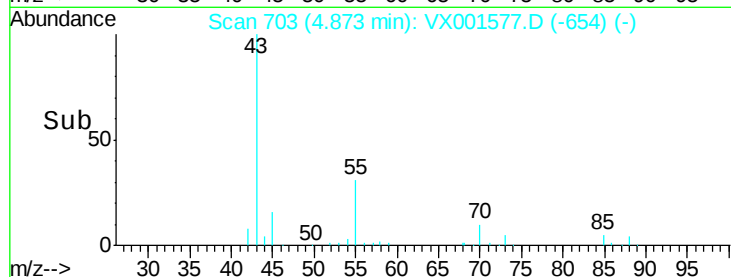
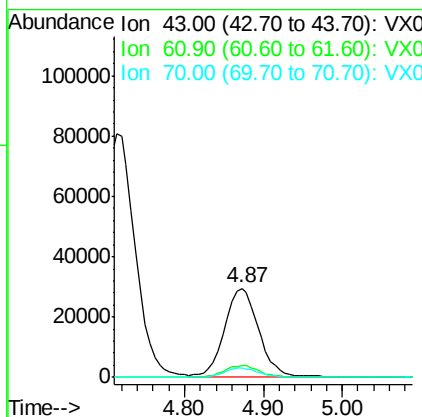
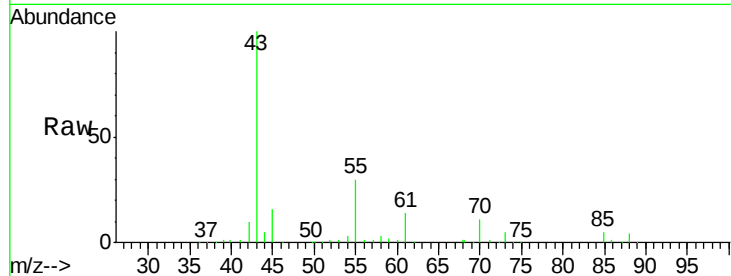
#37  
Ethyl Acetate  
Concen: 21.82 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.6  | 10.7  | 16.1  |
| 70      | 10.8  | 8.4   | 12.6  |

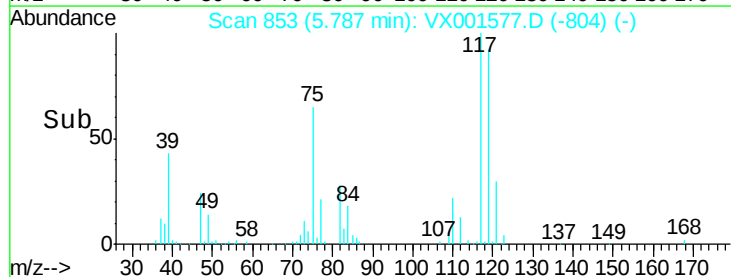
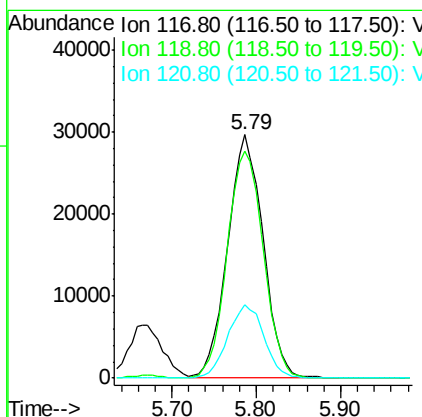
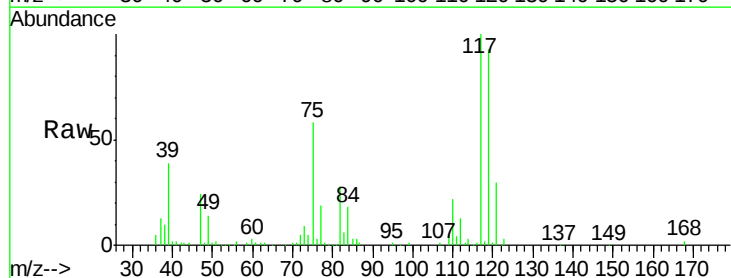
Manual Integrations  
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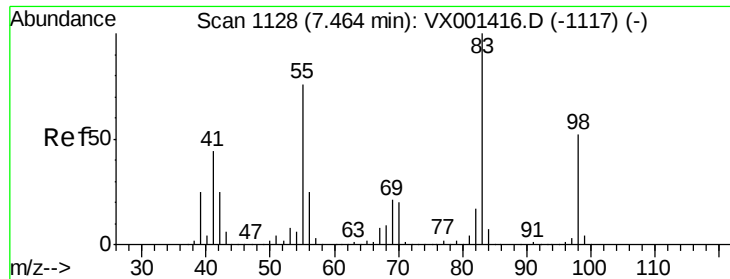
MMDadoda  
5/10/2018 1:52:01 PM



#38  
Carbon Tetrachloride  
Concen: 21.73 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.4  | 77.0  | 115.6 |
| 121     | 30.4  | 25.1  | 37.7  |





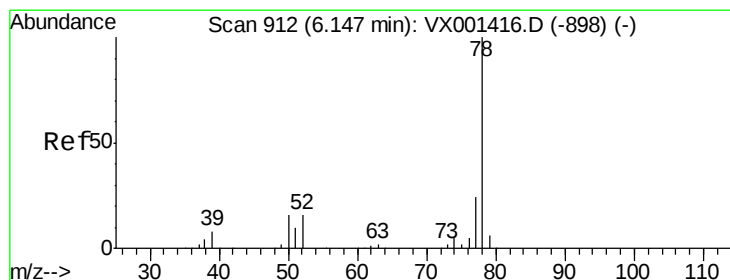
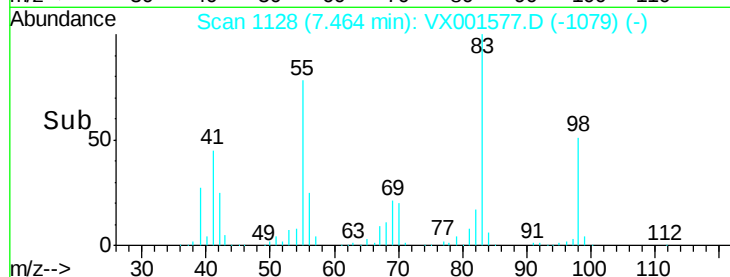
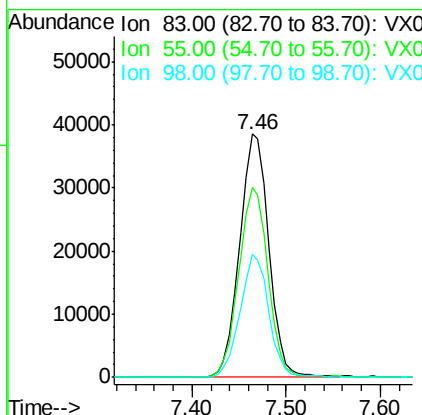
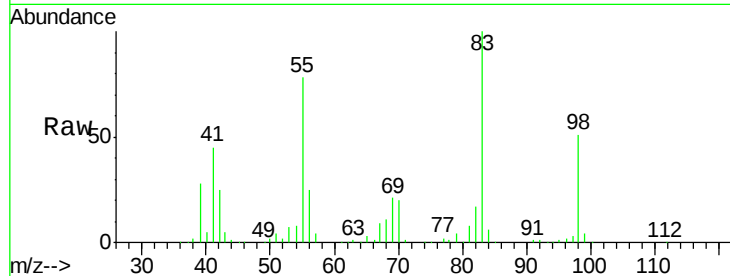
#39  
Methvlcvclohexane  
Concen: 19.33 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.8  | 60.9  | 91.3  |
| 98      | 50.7  | 41.9  | 62.9  |

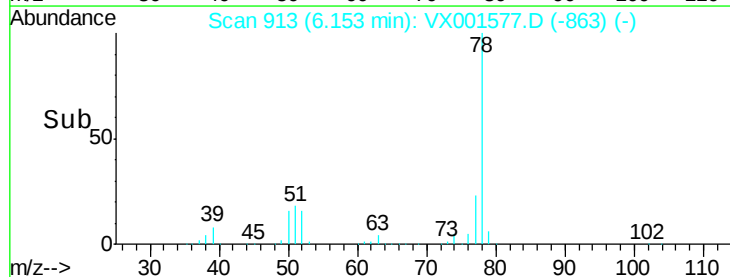
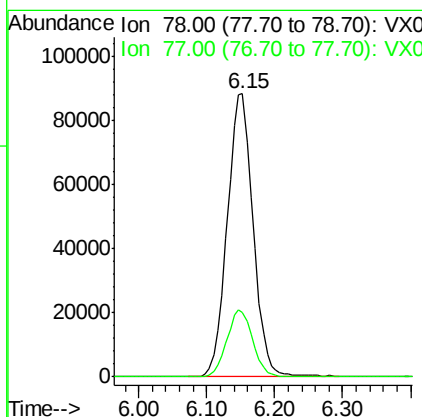
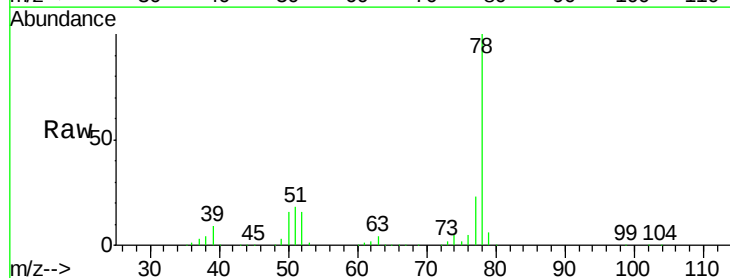
Manual Integrations  
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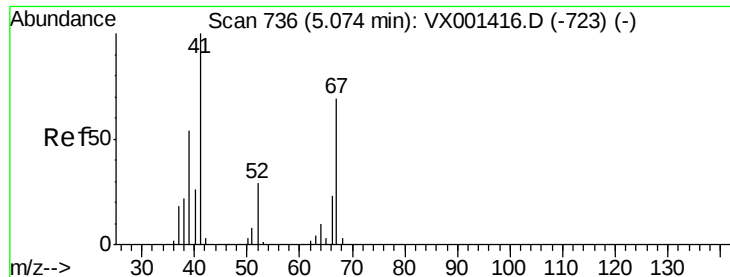
MMDadoda  
5/10/2018 1:52:01 PM



#40  
Benzene  
Concen: 21.73 ug/l  
RT: 6.15 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 19.4  | 29.2  |





#41

Methacrylonitrile

Concen: 21.54 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

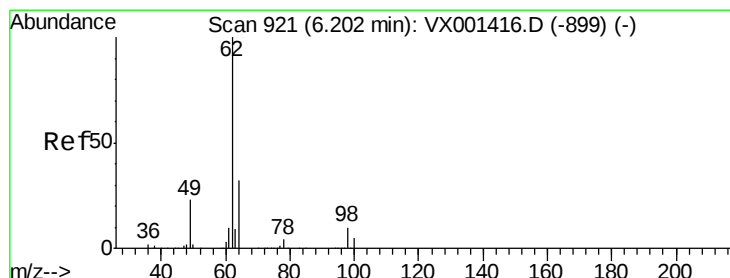
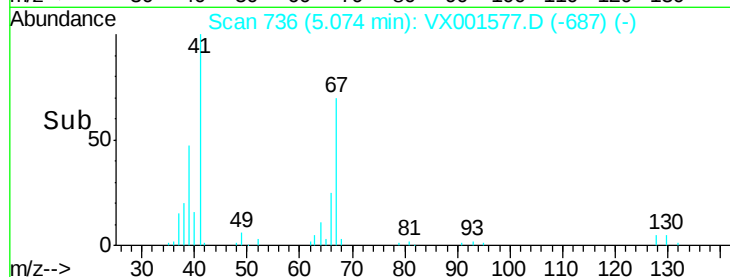
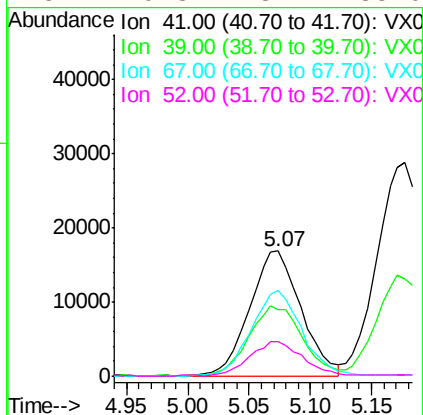
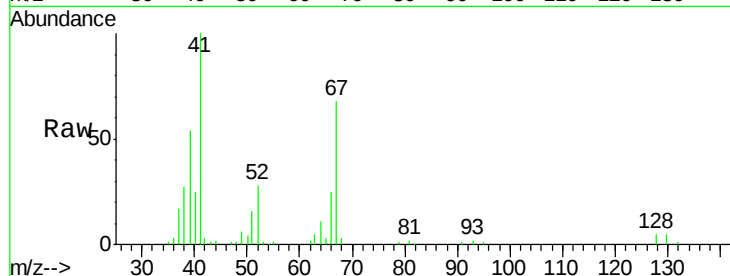
ClientSampleId :

VX0509MBS02

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 58.8 | 45.0  | 67.6  |       |
| 67      | 68.4 | 55.0  | 82.6  |       |
| 52      | 29.3 | 23.4  | 35.0  |       |

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5/10/2018 1:52:01 PM



#42

1,2-Dichloroethane

Concen: 22.74 ug/l

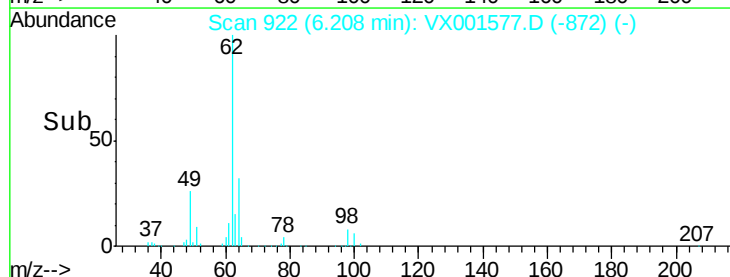
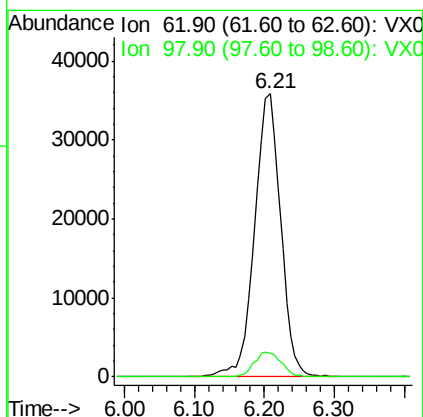
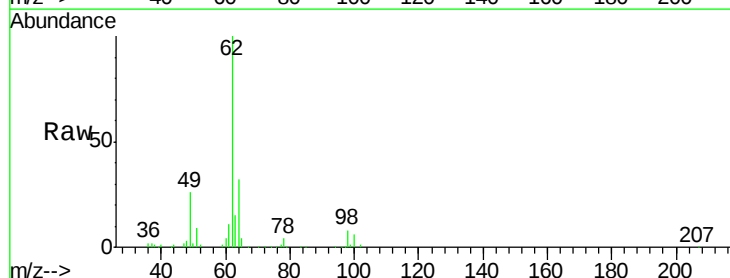
RT: 6.21 min Scan# 922

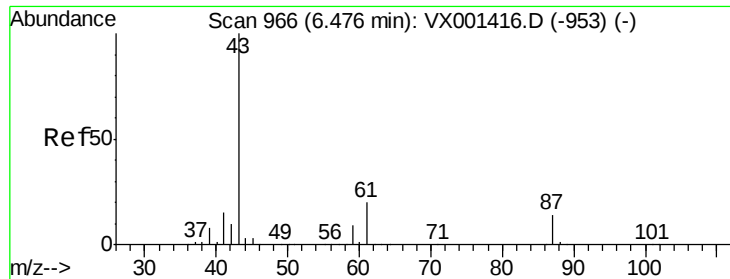
Delta R.T. 0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.1 | 0.0   | 19.0  |       |





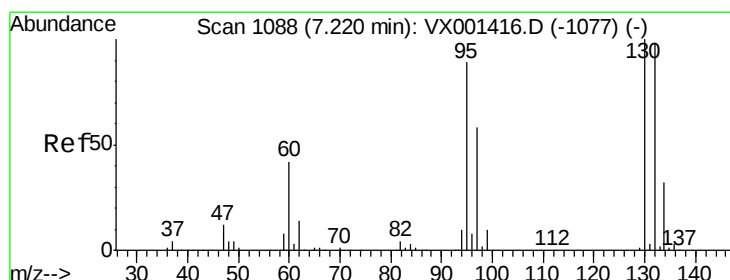
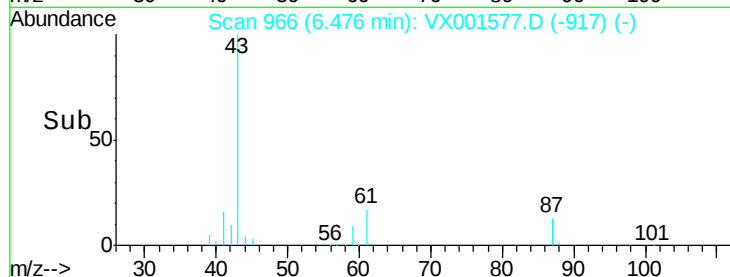
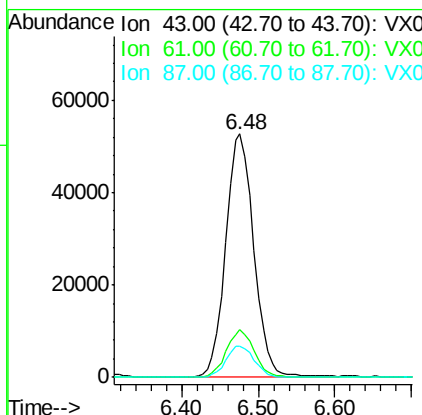
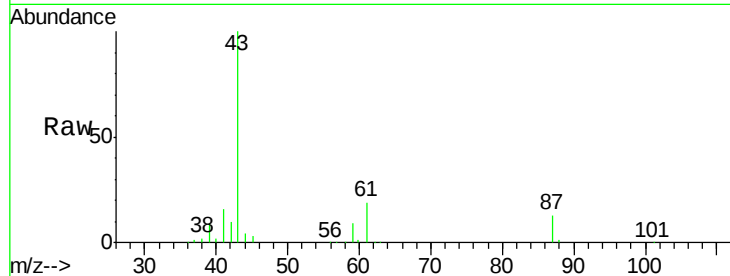
#43  
Isopropyl Acetate  
Concen: 21.66 ug/l  
RT: 6.48 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.2  | 15.4  | 23.0  |
| 87      | 13.1  | 10.8  | 16.2  |

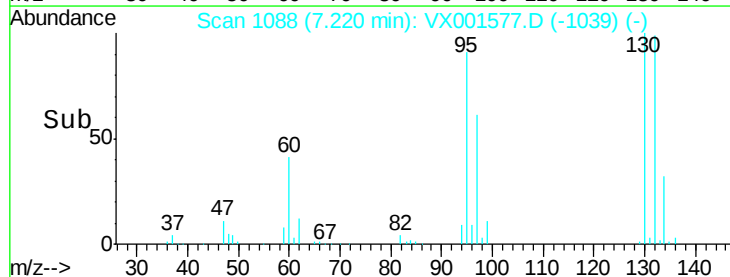
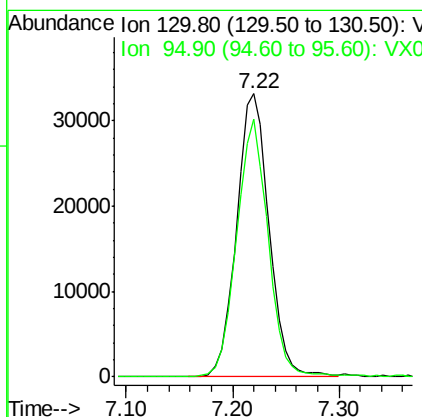
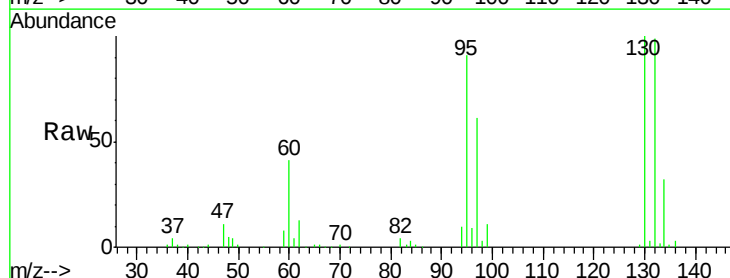
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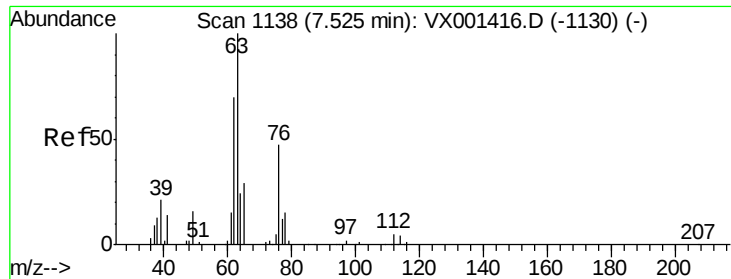
MMDadoda  
5/10/2018 1:52:01 PM



#44  
Trichloroethene  
Concen: 21.68 ug/l  
RT: 7.22 min Scan# 1088  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 90.9  | 0.0   | 178.4 |





#45

1,2-Dichloropropane

Concen: 22.21 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion: 63 Resp: 59247

Ion Ratio Lower Upper

63 100

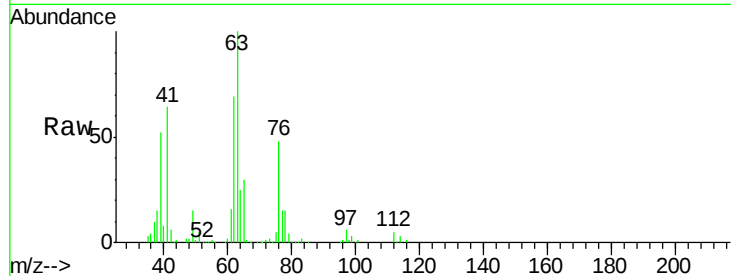
65 30.3 24.5 36.7

Manual Integrations

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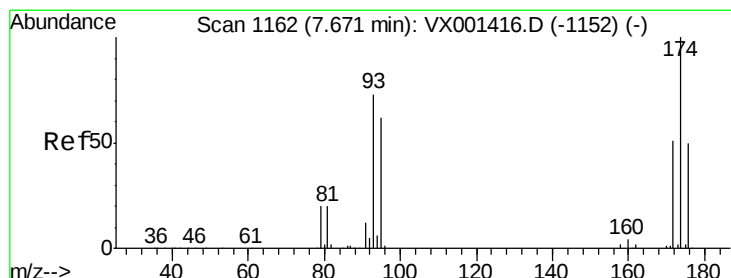
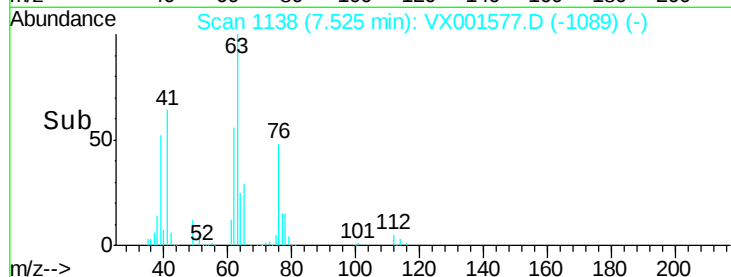
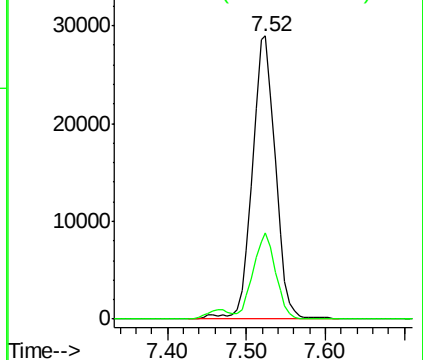
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 22.06 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

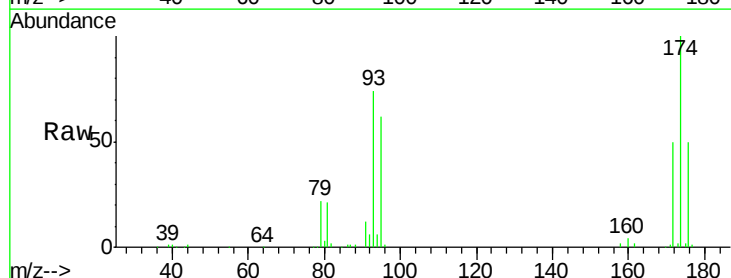
Tgt Ion: 93 Resp: 41665

Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.4

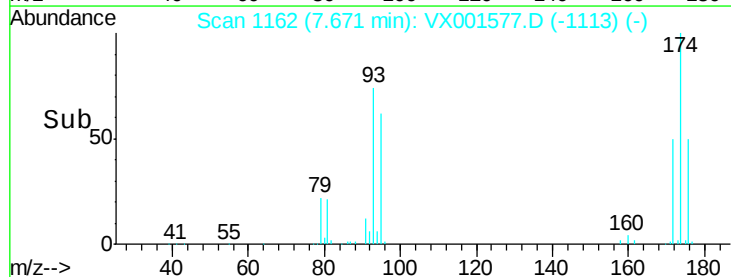
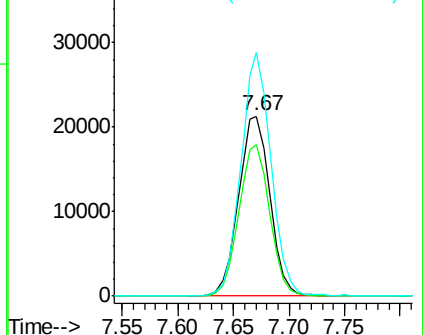
174 129.8 104.5 156.7

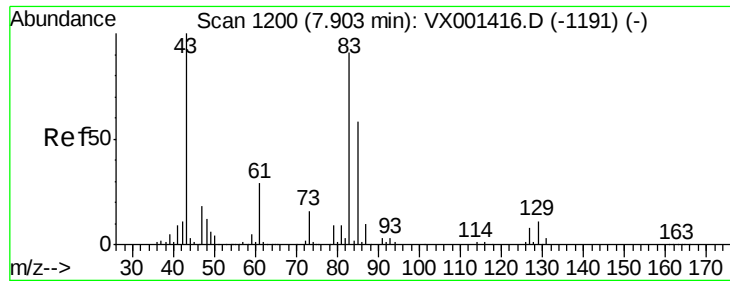


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

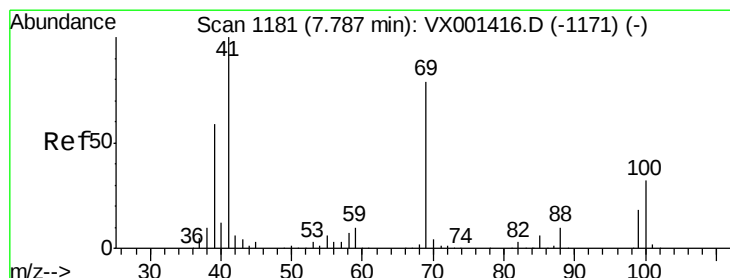
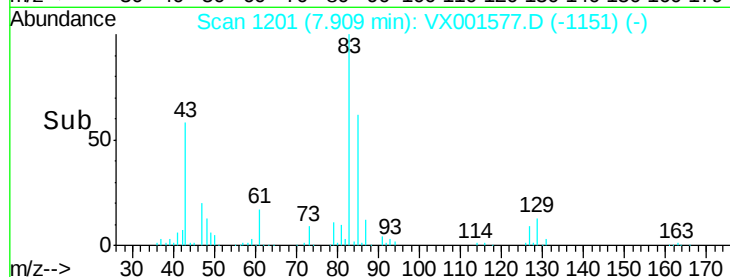
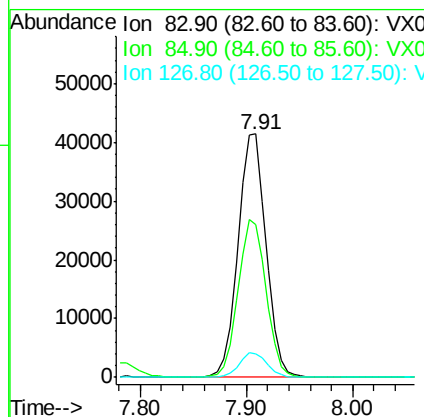
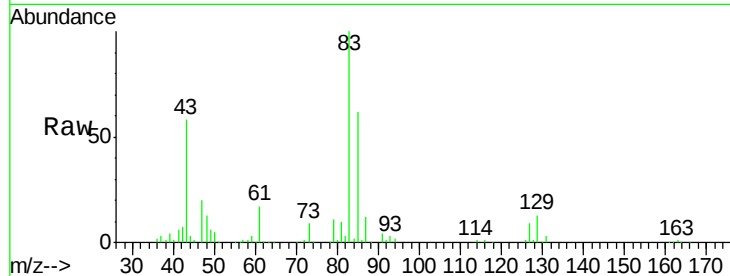
ClientSampleId :

VX0509MBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 76624 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.5  | 51.0  | 76.6  |
| 127      | 9.5   | 7.4   | 11.2  |

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#48

Methyl methacrylate

Concen: 21.21 ug/l

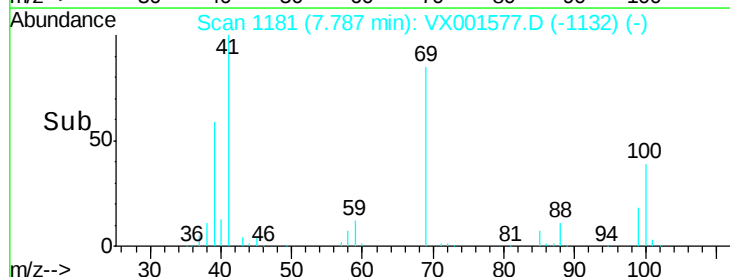
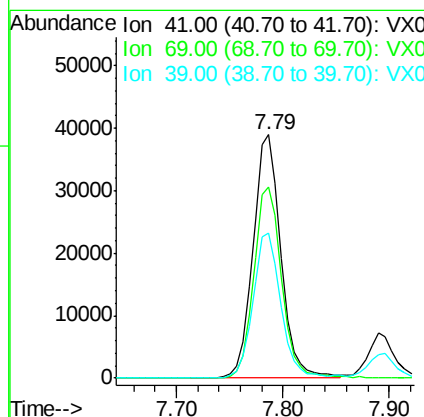
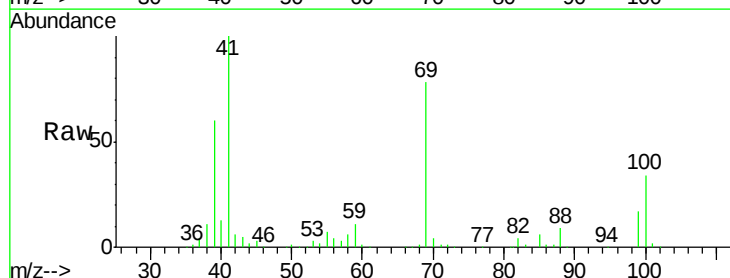
RT: 7.79 min Scan# 1181

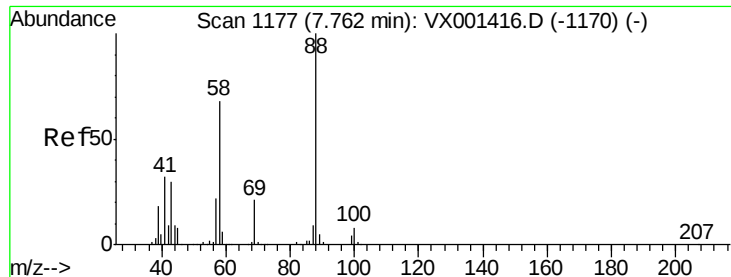
Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 71218 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 79.4  | 63.4  | 95.2  |
| 39       | 59.1  | 47.0  | 70.4  |





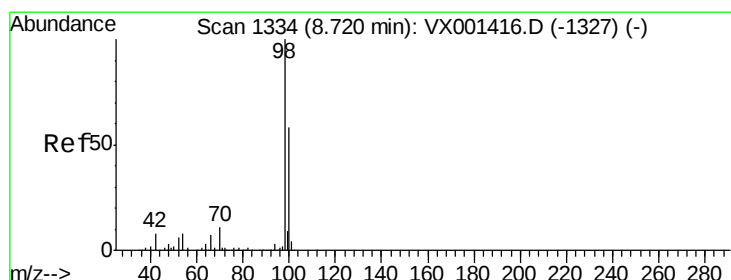
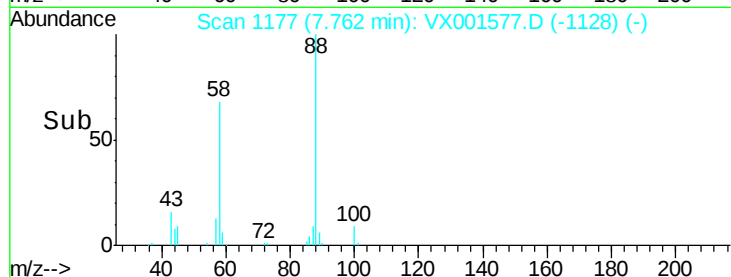
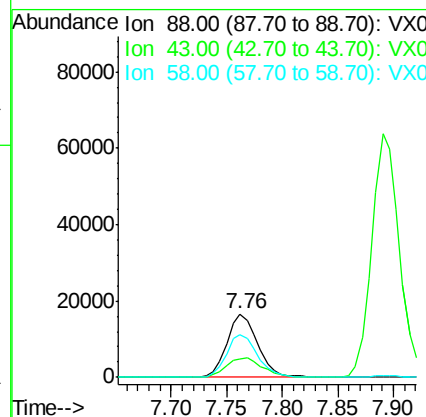
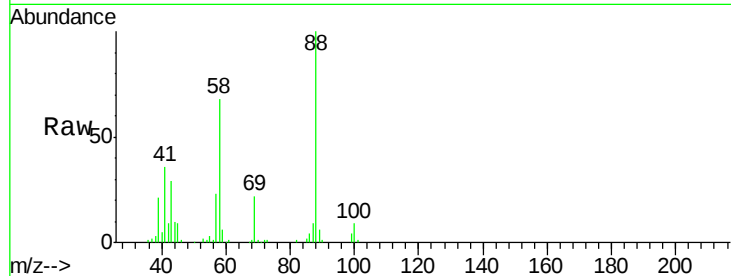
#49  
1,4-Dioxane  
Concen: 436.37 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.5  | 26.4  | 39.6  |
| 58      | 69.9  | 54.1  | 81.1  |

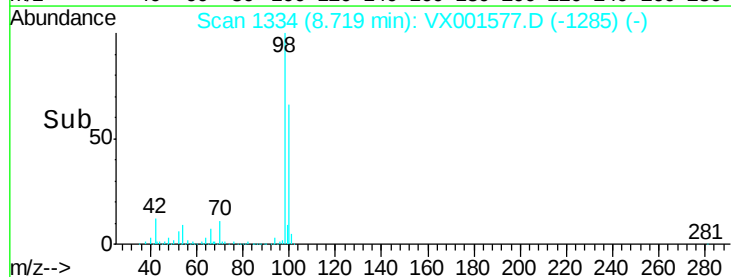
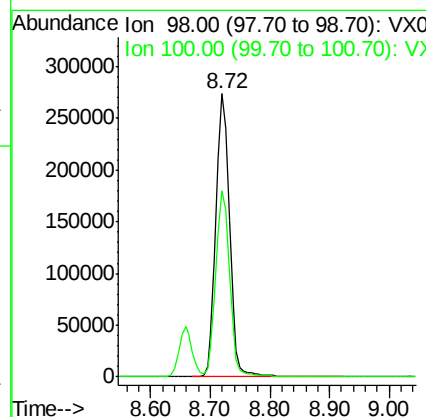
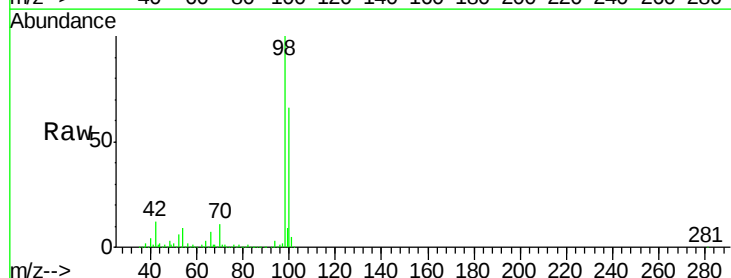
Manual Integrations  
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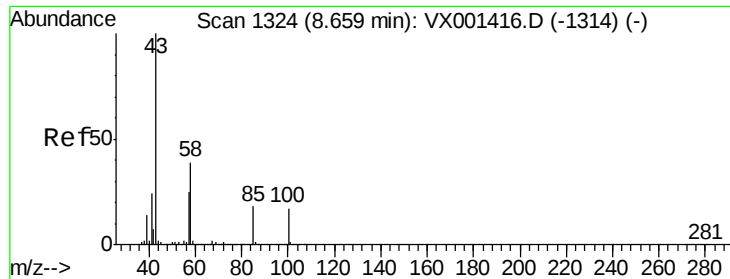
MMDadoda  
5/10/2018 1:52:01 PM



#50  
Toluene-d8  
Concen: 46.01 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.5  | 54.0  | 81.0  |





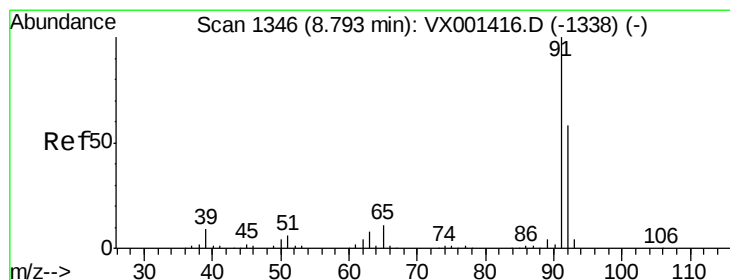
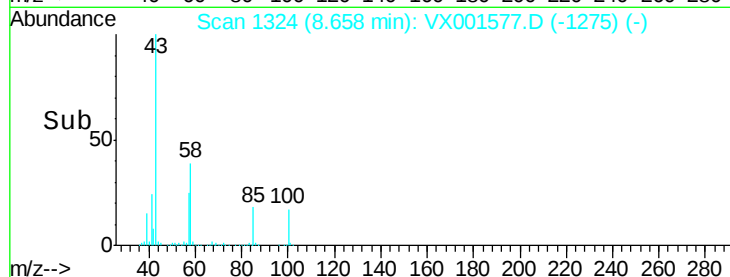
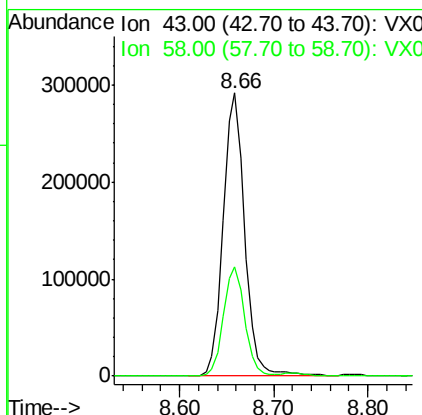
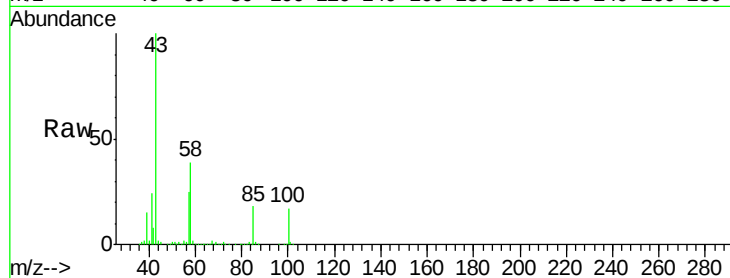
#51  
4-Methyl-2-Pentanone  
Concen: 112.96 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.1  | 30.8  | 46.2  |

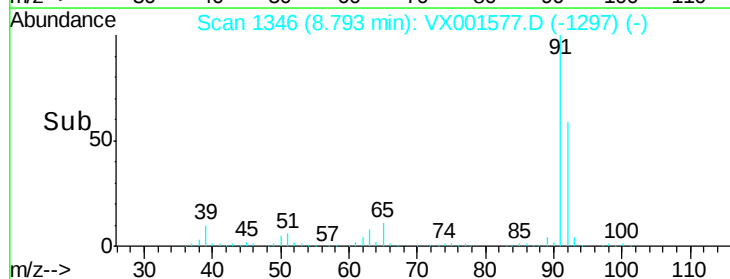
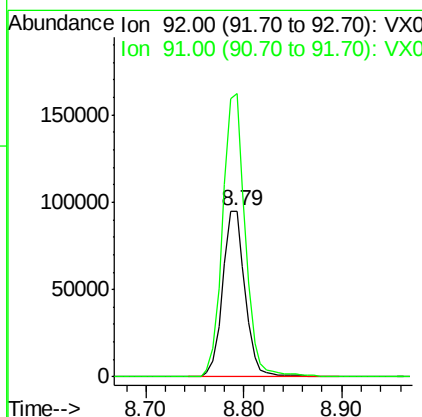
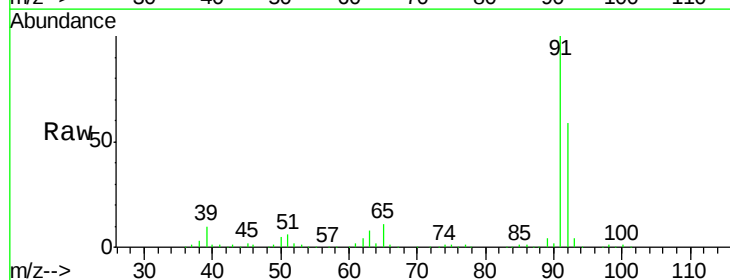
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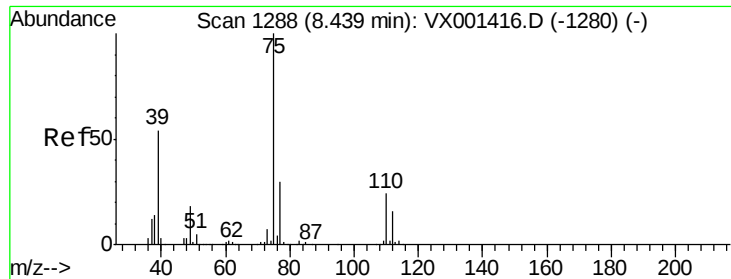
MMDadoda  
5/10/2018 1:52:01 PM



#52  
Toluene  
Concen: 21.74 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 171.2 | 135.2 | 202.8 |





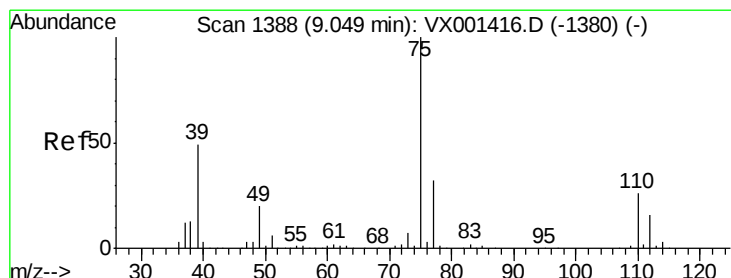
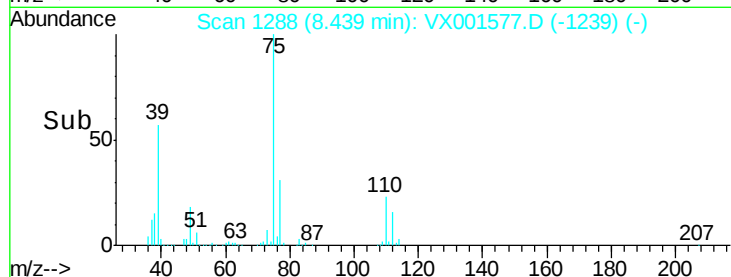
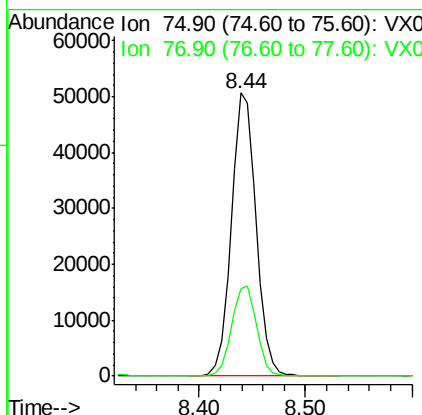
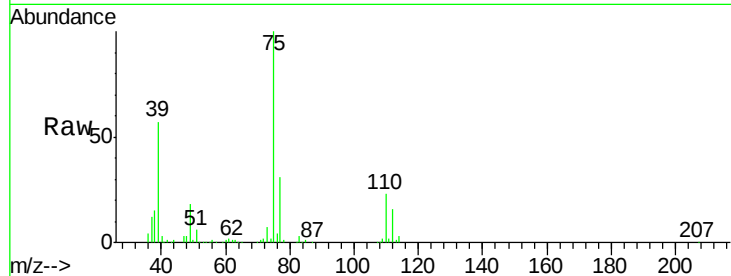
#53  
t-1,3-Dichloropropene  
Concen: 20.81 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.0  | 24.2  | 36.4  |

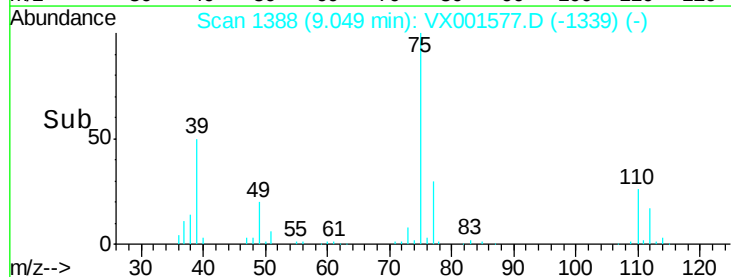
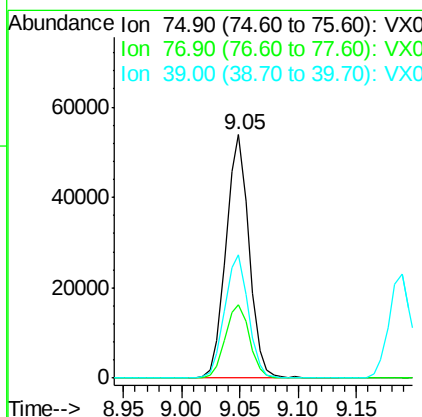
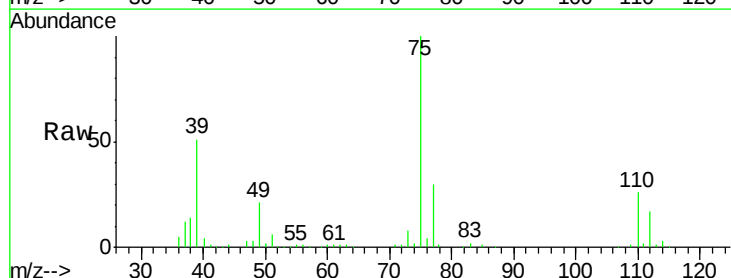
Manual Integrations  
APPROVED

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5/10/2018 1:52:01 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.61 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. 0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.1  | 25.5  | 38.3  |
| 39      | 50.6  | 38.9  | 58.3  |





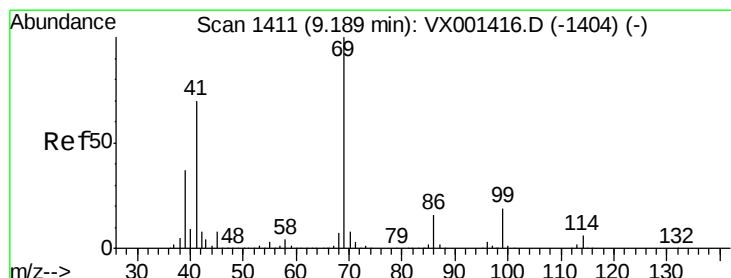
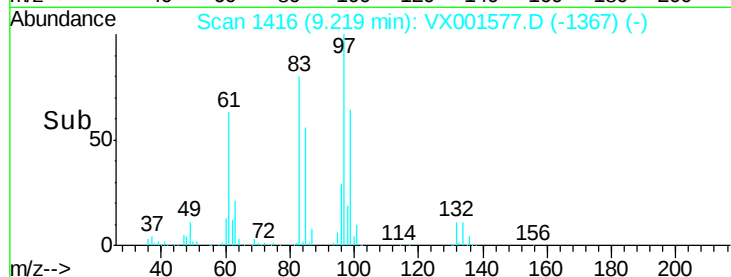
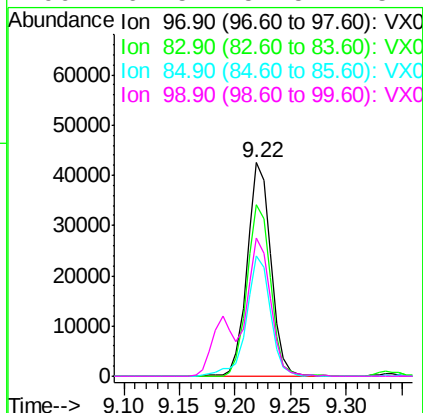
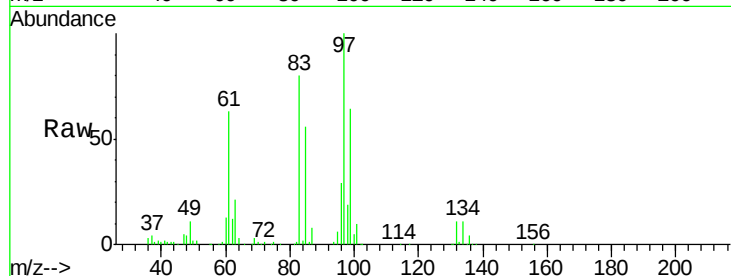
#55  
 1,1,2-Trichloroethane  
 Concen: 22.24 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 62690 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.3  | 67.4  | 101.0 |
| 85       | 56.1  | 43.3  | 64.9  |
| 99       | 64.5  | 52.5  | 78.7  |

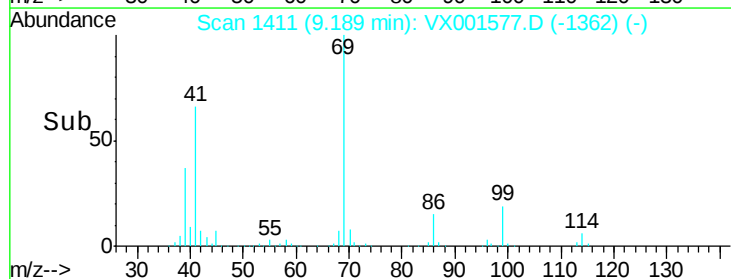
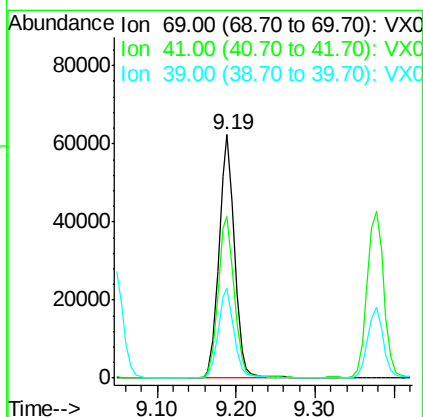
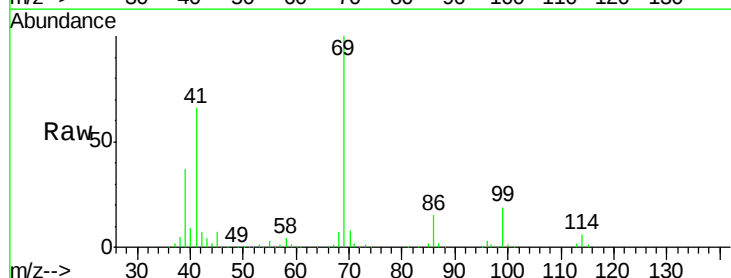
Manual Integrations  
 APPROVED

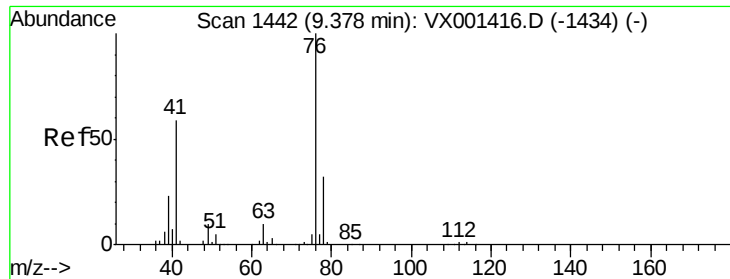
MMDadoda  
 5/10/2018 1:52:01 PM



#56  
 Ethyl methacrylate  
 Concen: 21.17 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 86007 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.8  | 55.1  | 82.7  |
| 39       | 37.1  | 29.9  | 44.9  |





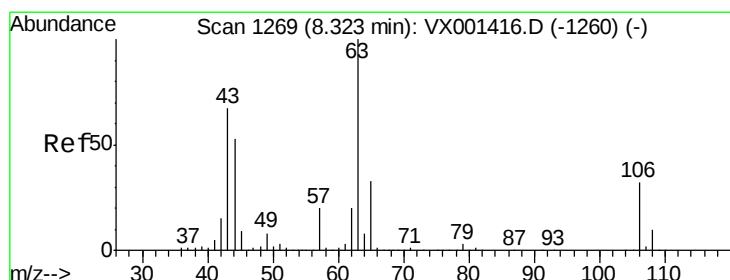
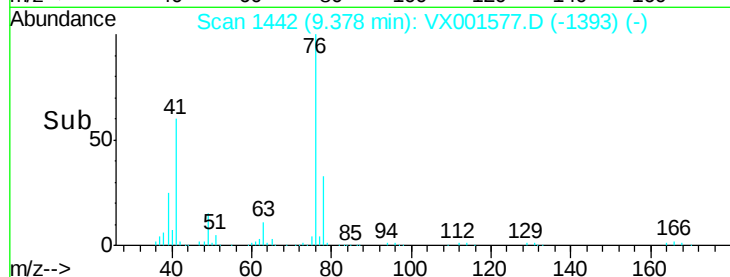
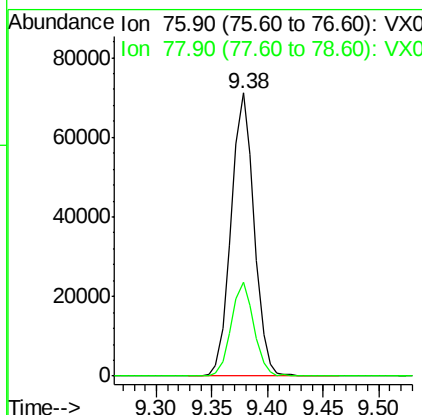
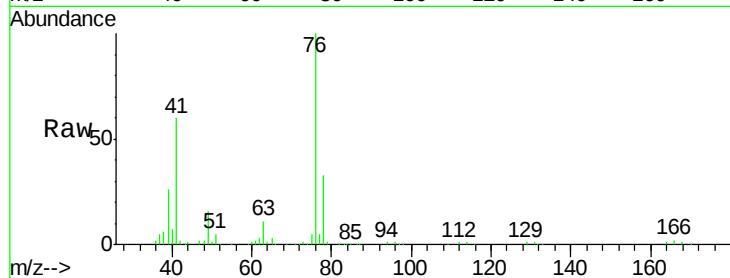
#57  
 1,3-Dichloropropane  
 Concen: 21.84 ug/l  
 RT: 9.38 min Scan# 1442  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.8  | 25.8  | 38.6  |

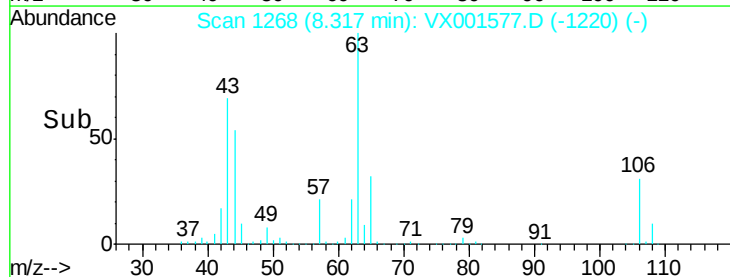
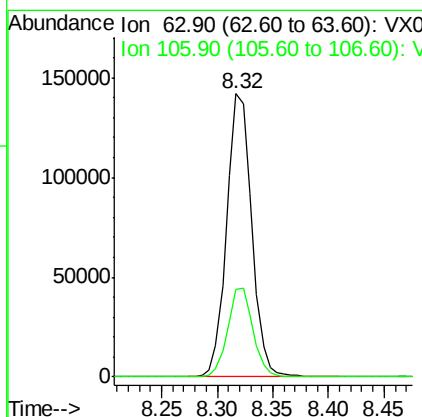
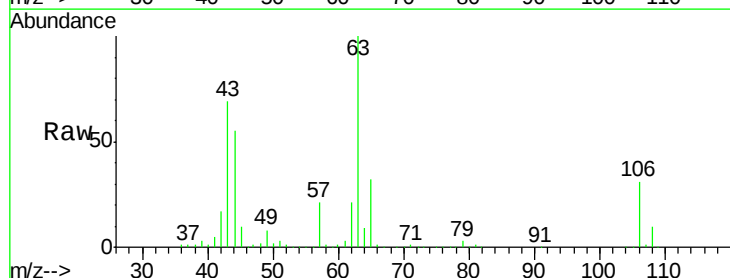
Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2018 1:52:01 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 111.07 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. -0.01 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.7  | 25.4  | 38.0  |





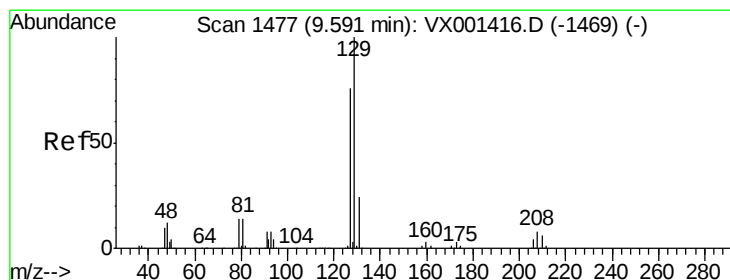
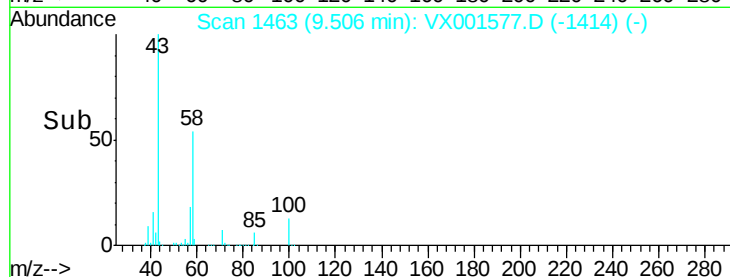
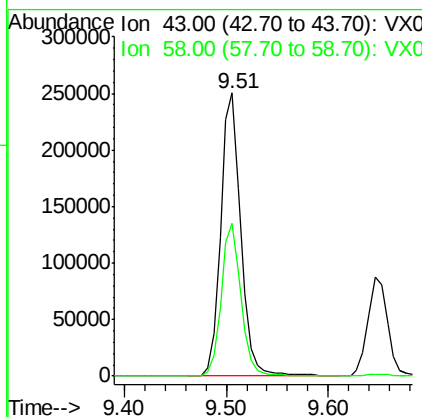
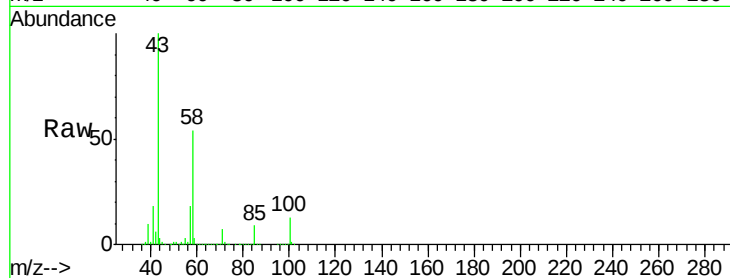
#59  
2-Hexanone  
Concen: 109.65 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.1  | 27.1  | 81.2  |

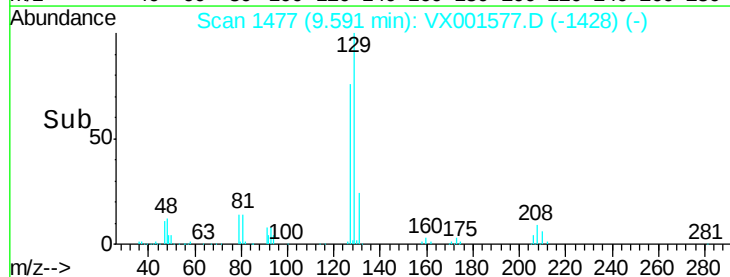
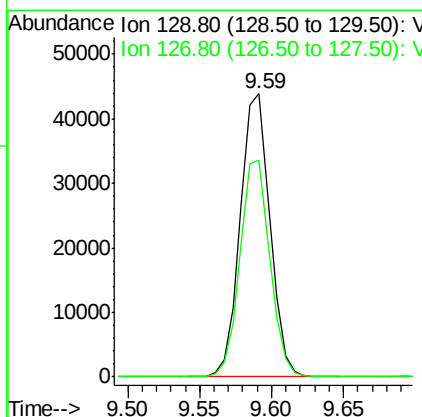
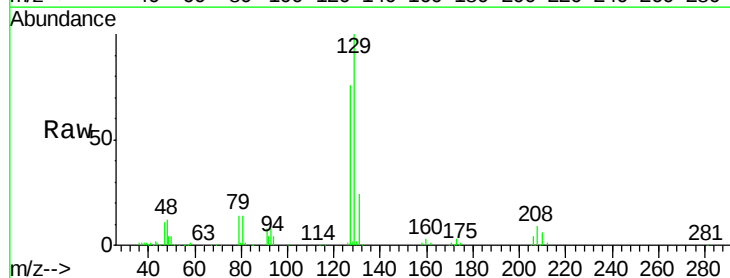
Manual Integrations  
APPROVED

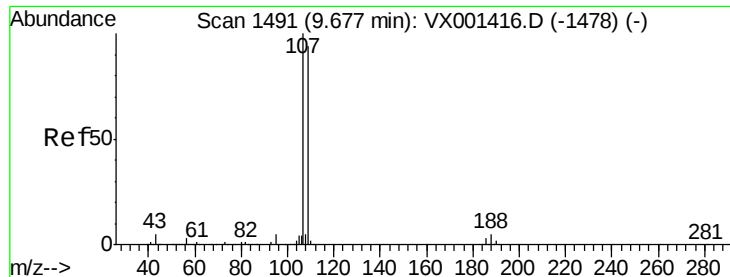
MMDadoda  
5/10/2018 1:52:01 PM



#60  
Dibromochloromethane  
Concen: 21.75 ug/l  
RT: 9.59 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.1  | 38.1  | 114.5 |





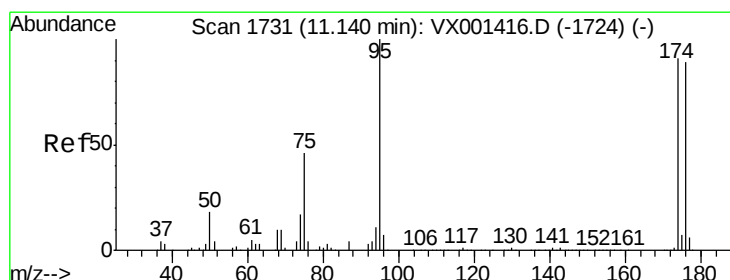
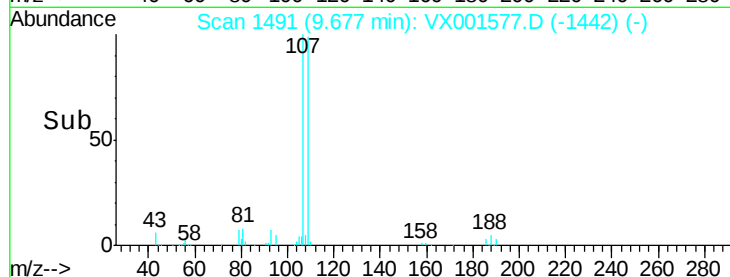
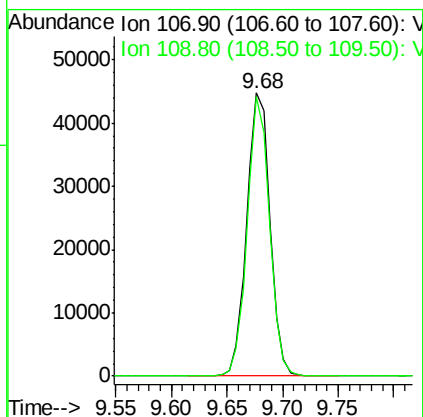
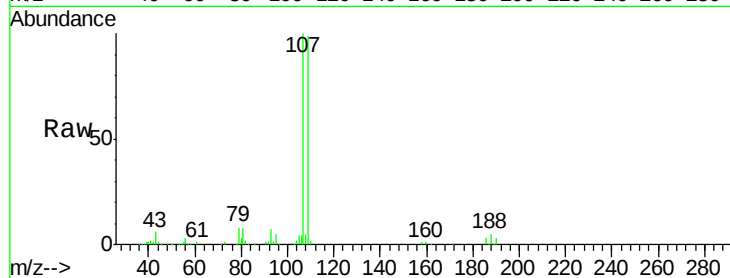
#61  
 1,2-Dibromoethane  
 Concen: 22.04 ug/l  
 RT: 9.68 min Scan# 1491  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBS02

Tot Ion:107 Resp: 65249  
 Ion Ratio Lower Upper  
 107 100  
 109 94.7 75.5 113.3

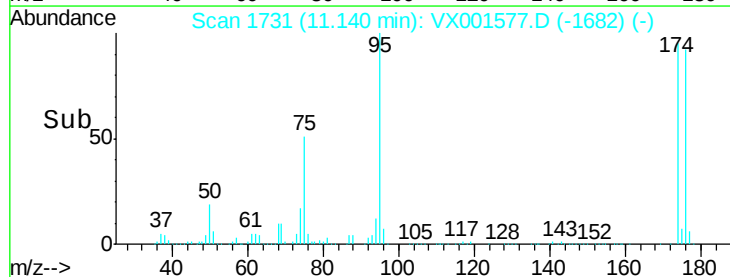
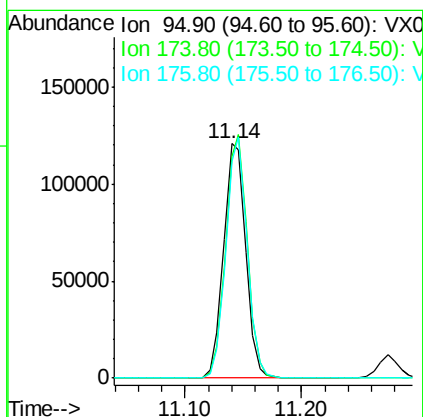
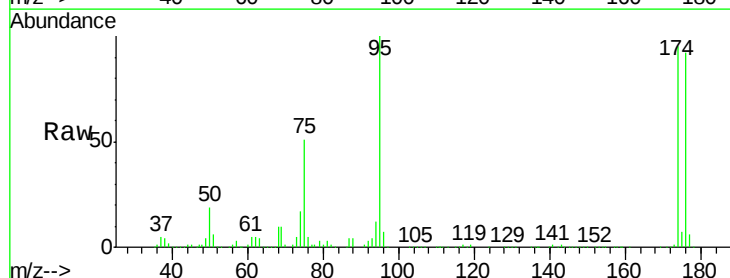
Manual Integrations  
 APPROVED

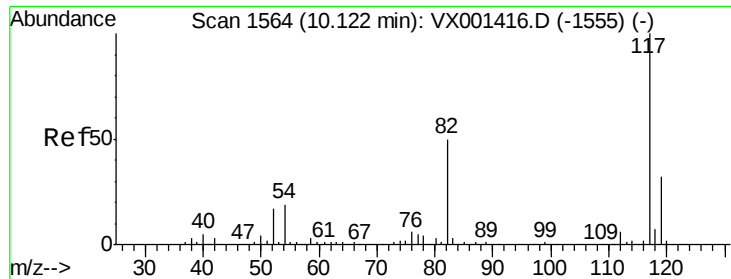
MMDadoda  
 5/10/2018 1:52:01 PM



#62  
 4-Bromofluorobenzene  
 Concen: 44.11 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Tgt Ion: 95 Resp: 158363  
 Ion Ratio Lower Upper  
 95 100  
 174 101.5 0.0 202.0  
 176 99.4 0.0 197.4





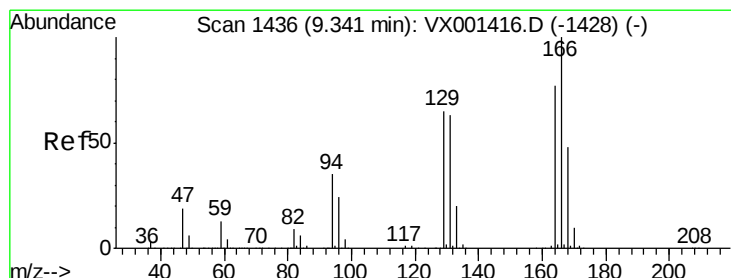
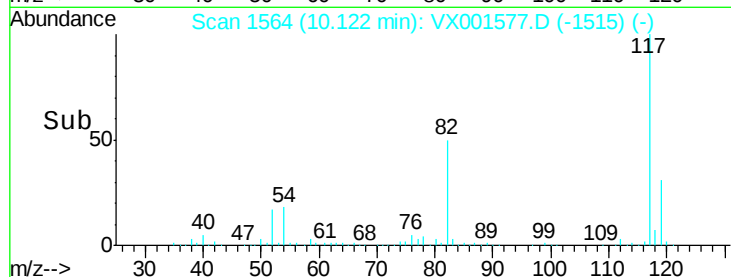
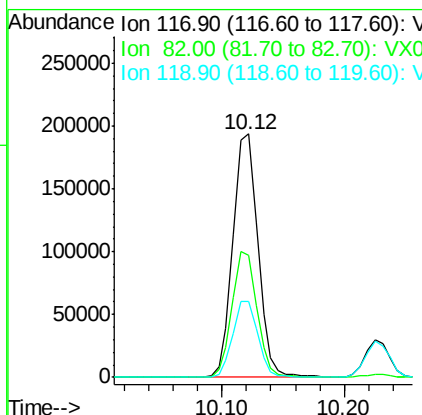
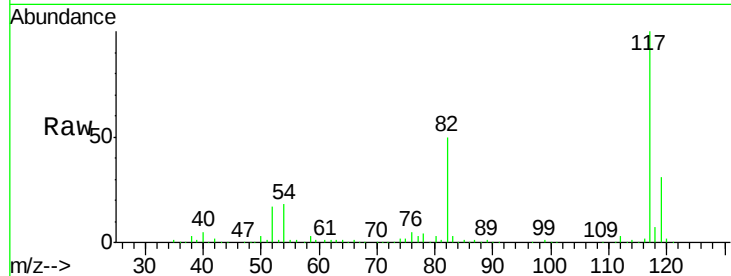
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 49.9  | 40.0  | 60.0  |
| 119     | 31.4  | 25.8  | 38.8  |

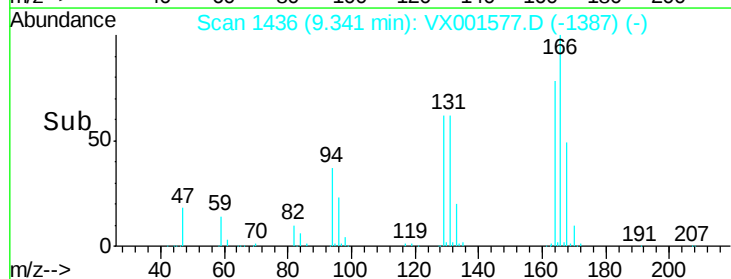
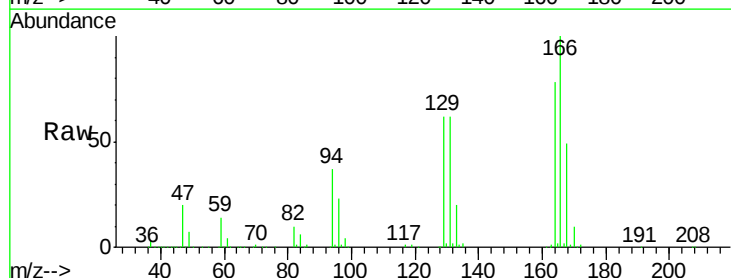
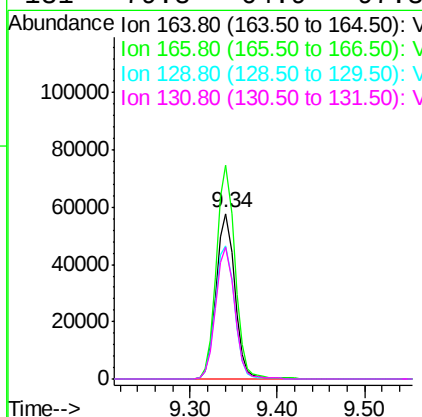
Manual Integrations  
APPROVED

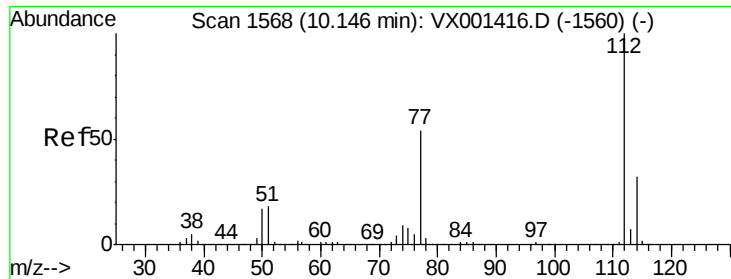
MMDadoda  
5/10/2018 1:52:01 PM



#64  
Tetrachloroethene  
Concen: 22.30 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.0 | 103.5 | 155.3 |
| 129     | 80.5  | 66.7  | 100.1 |
| 131     | 79.8  | 64.9  | 97.3  |





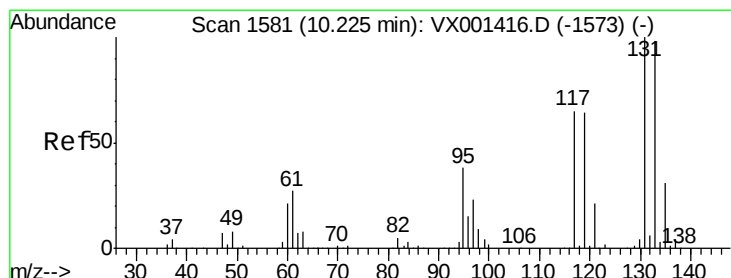
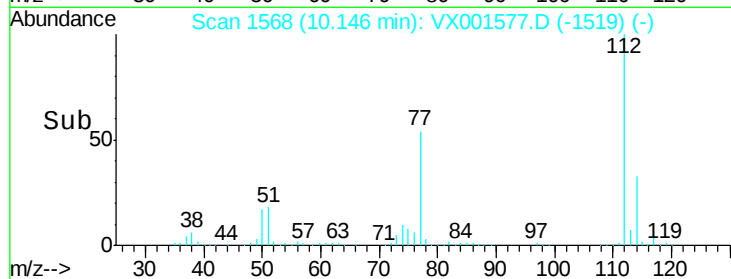
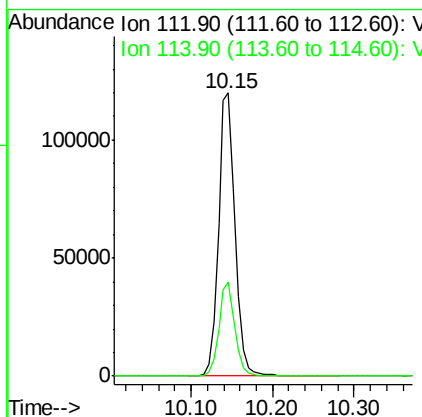
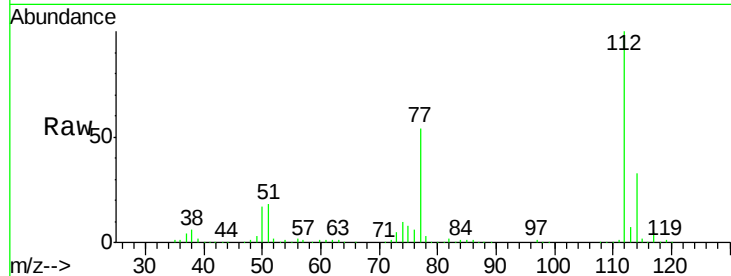
#65  
Chlorobenzene  
Concen: 21.16 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

Tot Ion:112 Resp: 170313  
Ion Ratio Lower Upper  
112 100  
114 33.1 26.0 39.0

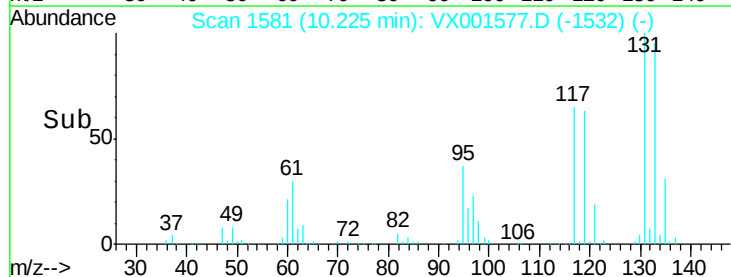
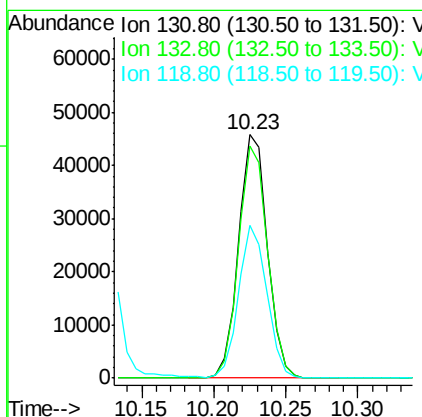
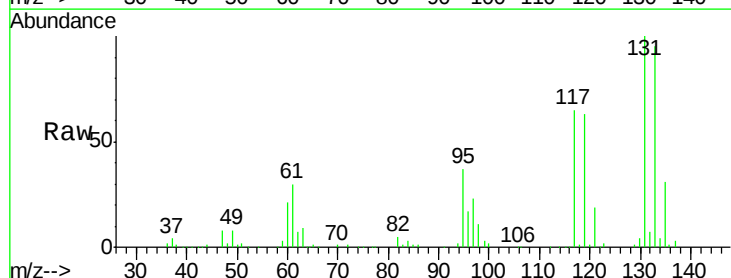
Manual Integrations  
APPROVED

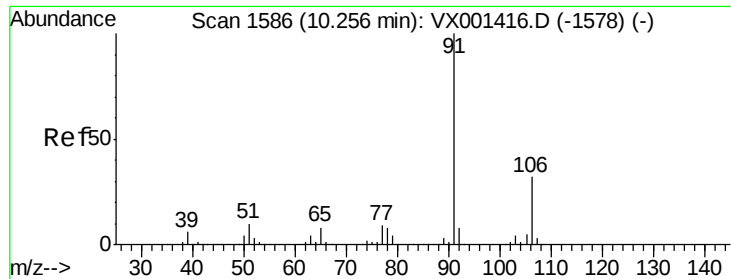
MMDadoda  
5/10/2018 1:52:01 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.07 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Tgt Ion:131 Resp: 63539  
Ion Ratio Lower Upper  
131 100  
133 96.1 47.9 143.8  
119 61.9 31.1 93.3





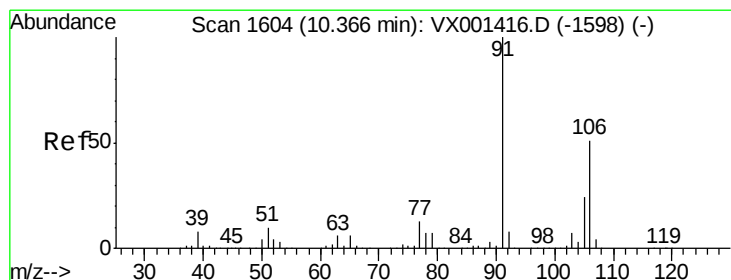
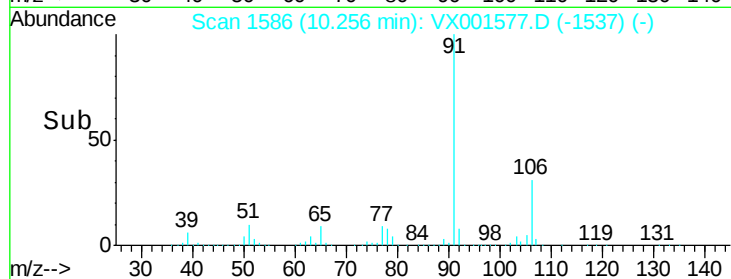
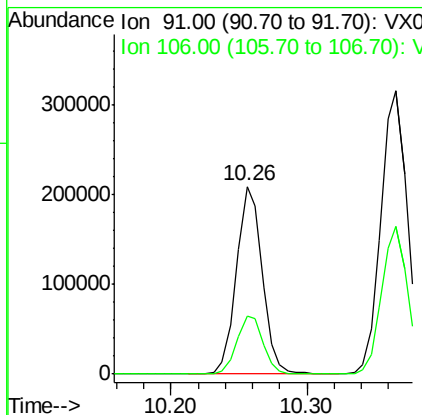
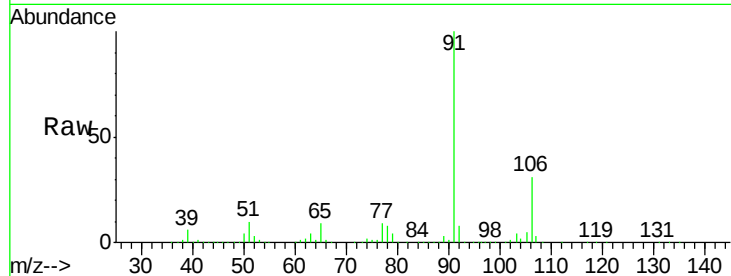
#67  
Ethyl Benzene  
Concen: 21.00 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0509MBSD02

Tot Ion: 91 Resp: 277078  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.5 38.3

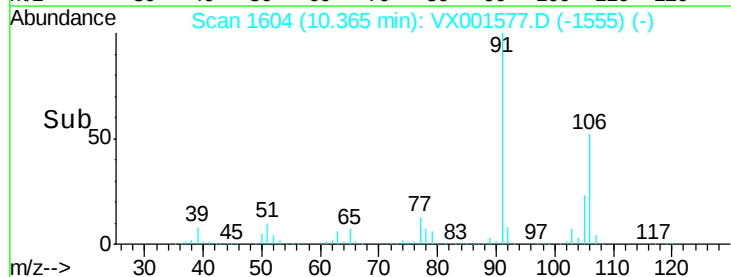
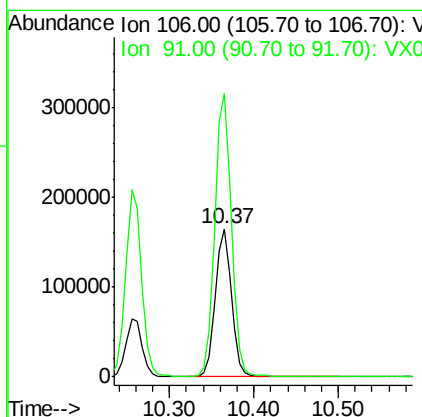
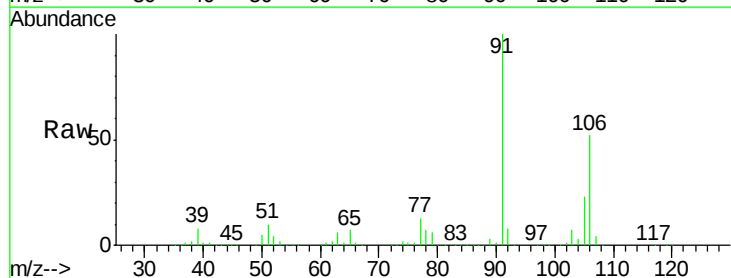
Manual Integrations  
APPROVED

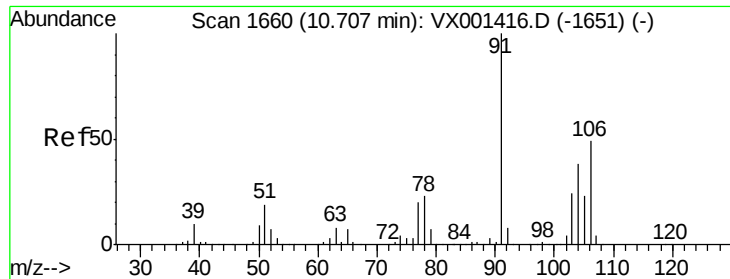
MMDadoda  
5/10/2018 1:52:01 PM



#68  
m/p-Xylenes  
Concen: 42.63 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Tgt Ion: 106 Resp: 222185  
Ion Ratio Lower Upper  
106 100  
91 195.0 157.5 236.3





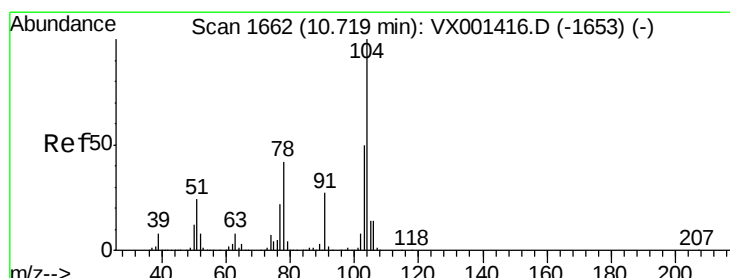
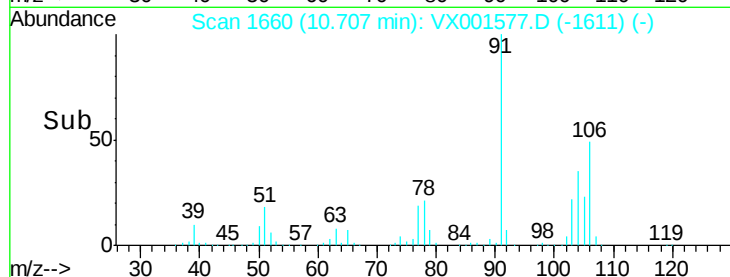
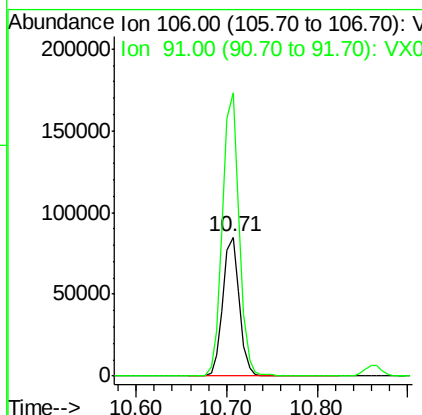
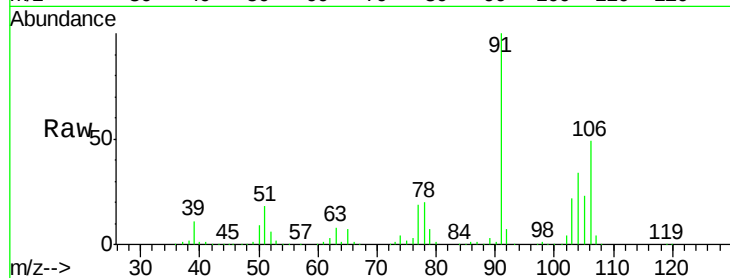
#69  
o-Xylene  
Concen: 21.39 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 206.6 | 103.1 | 309.1 |

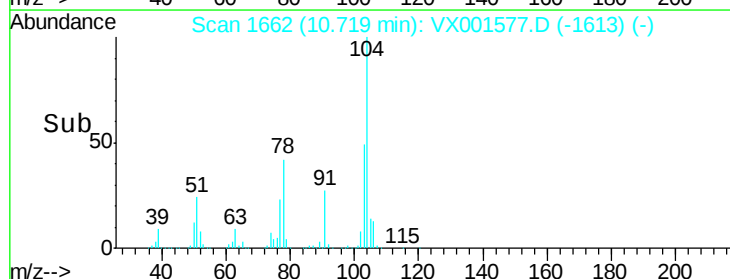
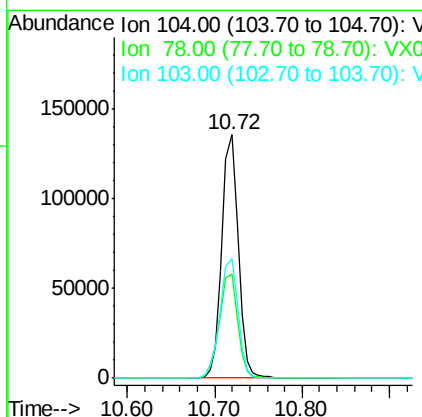
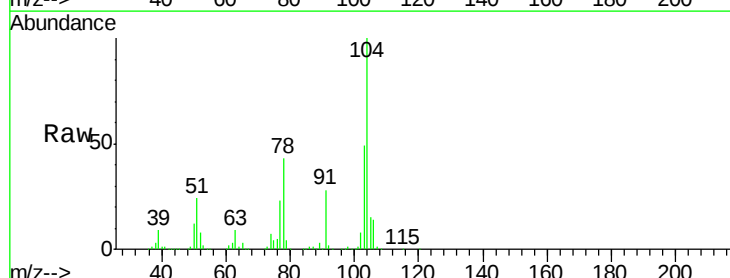
Manual Integrations  
APPROVED

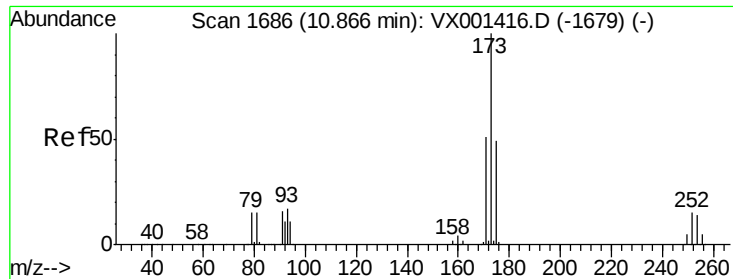
MMDadoda  
5/10/2018 1:52:01 PM



#70  
Styrene  
Concen: 21.40 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.0  | 38.6  | 58.0  |
| 103     | 54.2  | 44.0  | 66.0  |





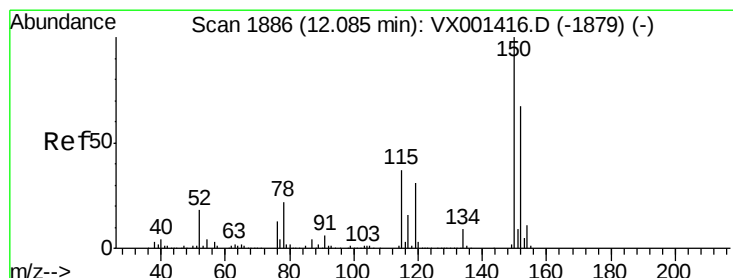
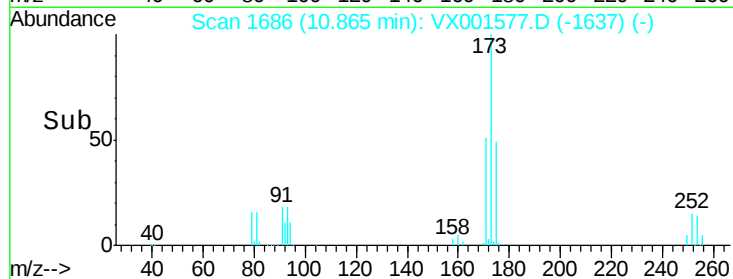
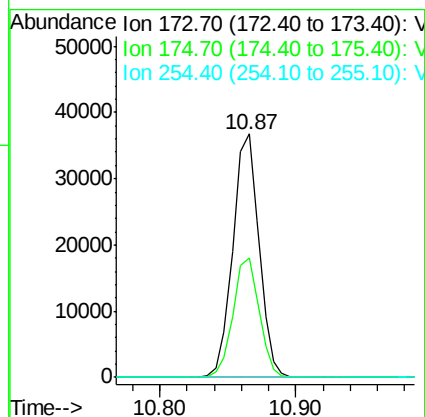
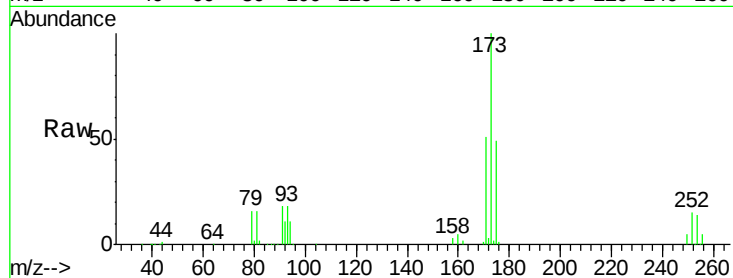
#71  
Bromoform  
Concen: 20.09 ug/l  
RT: 10.87 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 24.5  | 73.5  |
| 254     | 0.2   | 0.2   | 0.2   |

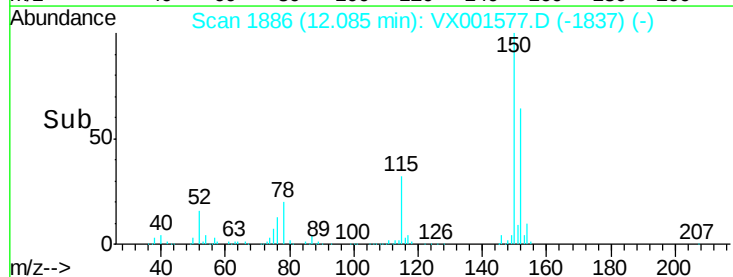
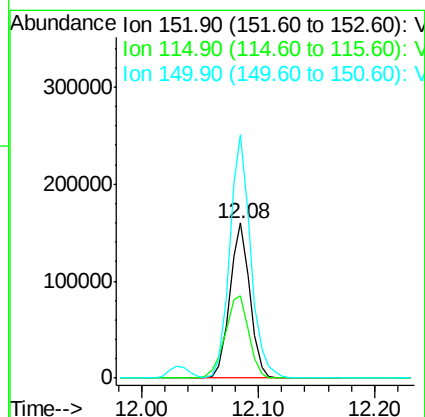
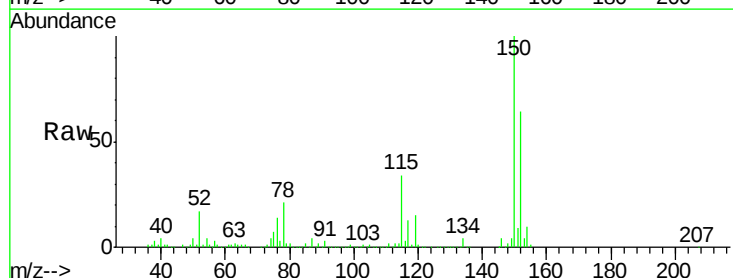
Manual Integrations  
APPROVED

MMDadoda  
5/10/2018 1:52:01 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.1  | 37.7  | 113.1 |
| 150     | 164.8 | 0.0   | 349.4 |





#73

Isopropylbenzene

Concen: 22.13 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBS02

Tot Ion: 105 Resp: 289028

Ion Ratio Lower Upper

105 100

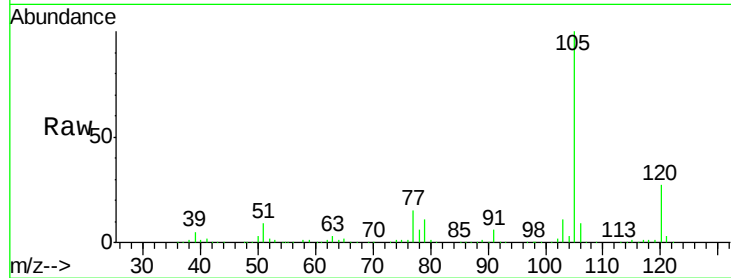
120 27.3 13.6 40.8

Manual Integrations

APPROVED

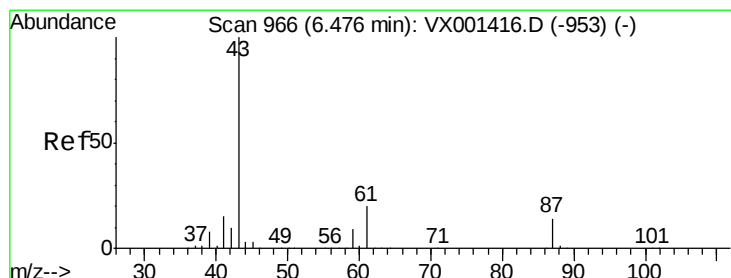
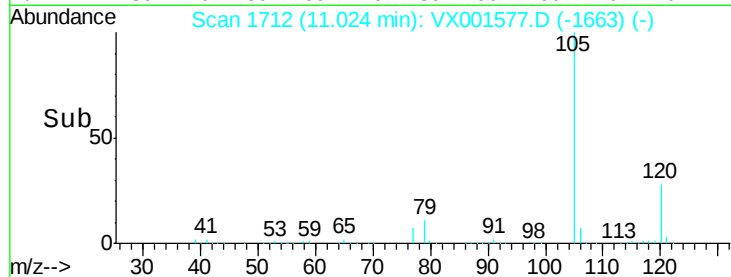
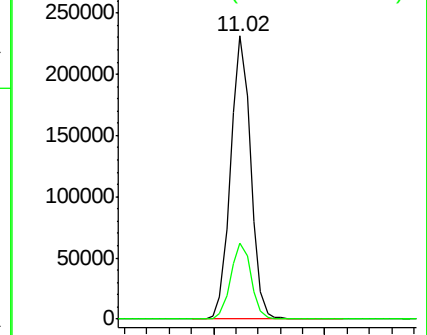
MMDadoda

5/10/2018 1:52:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.51 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Tgt Ion: 43 Resp: 133541

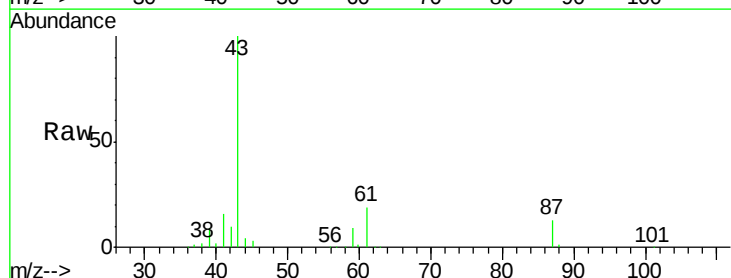
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.2 15.4 23.0

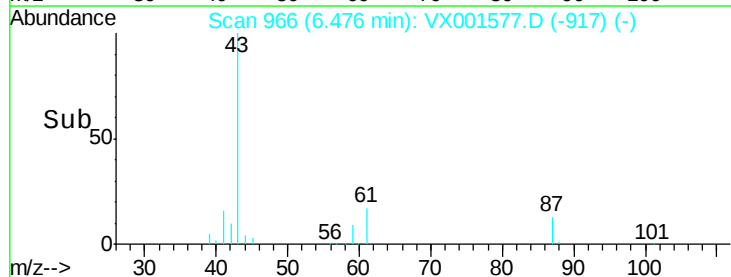
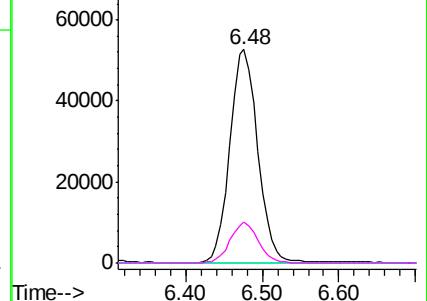


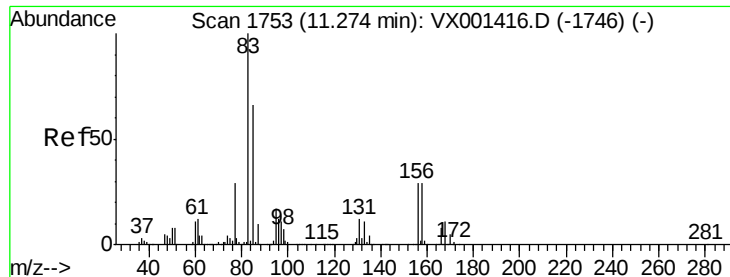
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.39 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

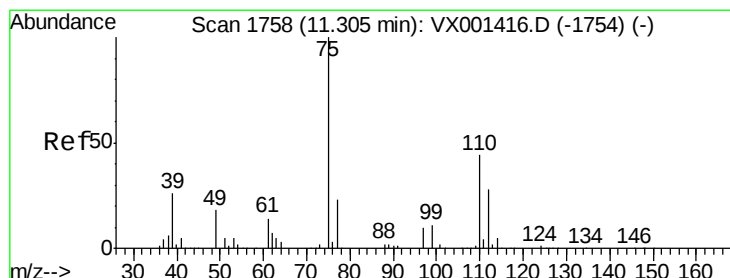
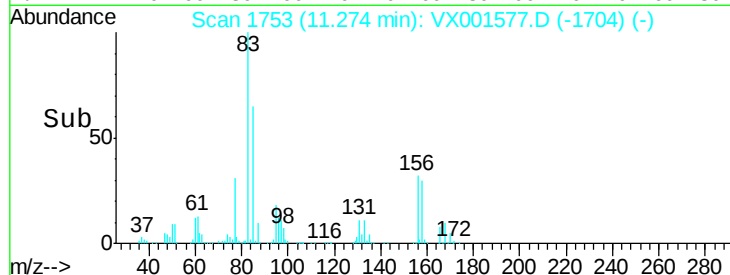
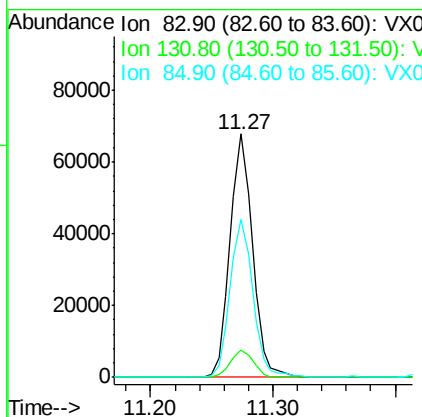
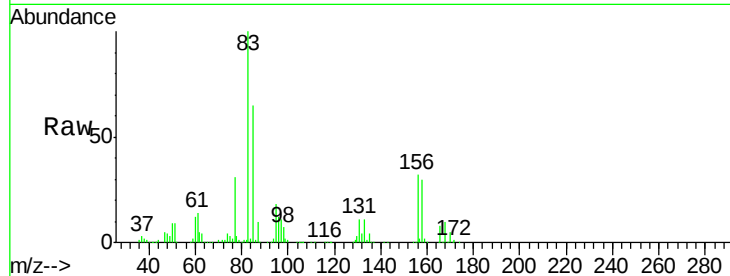
ClientSampleId :

VX0509MBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 86350 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.5  | 5.8   | 17.4  |
| 85       | 65.9  | 32.7  | 98.1  |

Manual Integrations  
APPROVED

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5/10/2018 1:52:01 PM



#76

1,2,3-Trichloropropane

Concen: 22.26 ug/l m

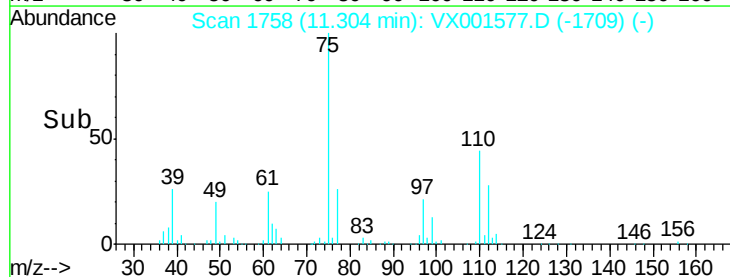
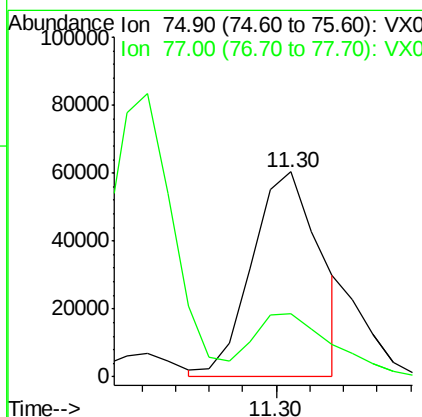
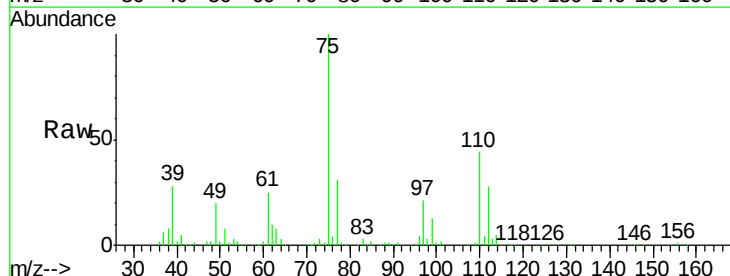
RT: 11.30 min Scan# 1758

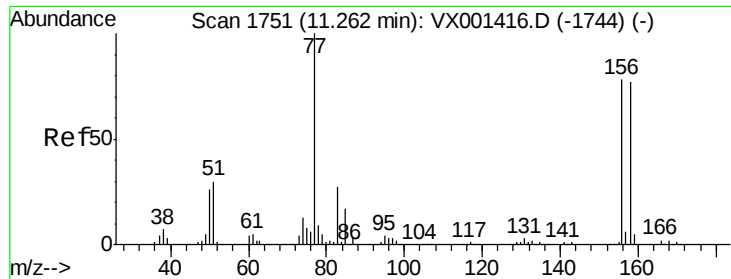
Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 85144 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.8  | 19.6  | 58.7  |





#77

Bromobenzene

Concen: 21.73 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBS02

Tot Ion:156 Resp: 82513

Ion Ratio Lower Upper

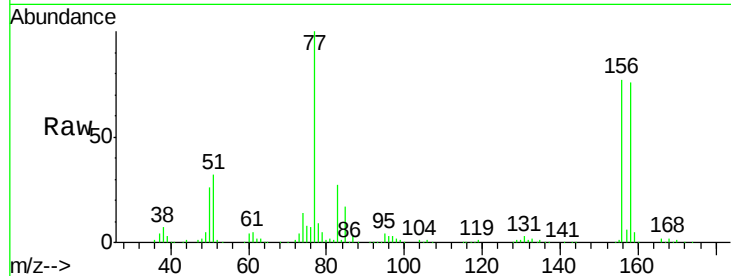
156 100

77 133.8 66.0 198.2

158 97.4 49.4 148.2

Manual Integrations  
APPROVED

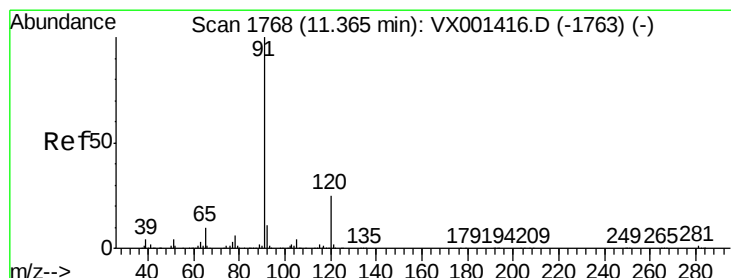
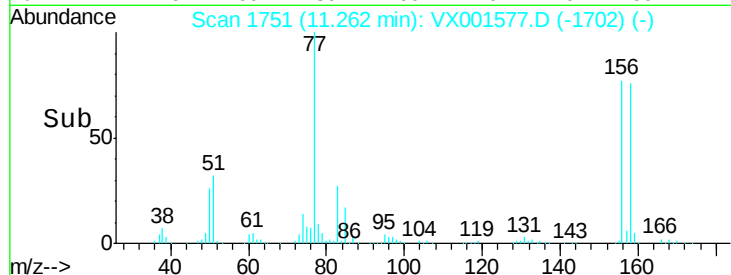
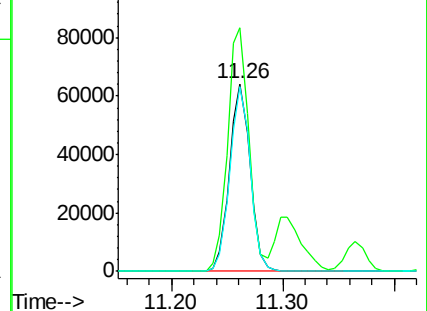
MMDadoda  
5/10/2018 1:52:01 PM



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: 22.13 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001577.D

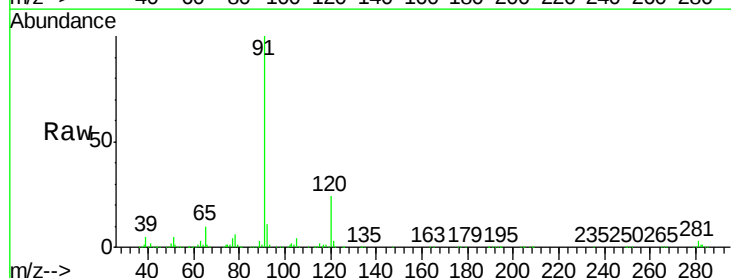
Acq: 10 May 2018 01:34

Tgt Ion: 91 Resp: 314643

Ion Ratio Lower Upper

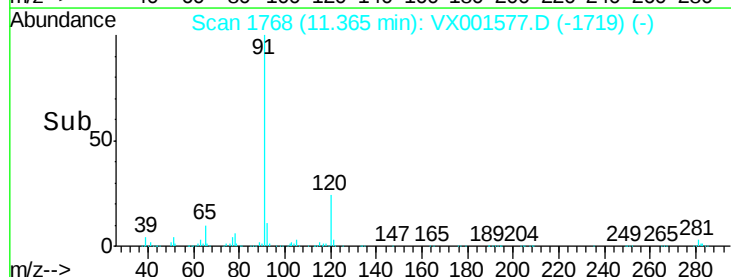
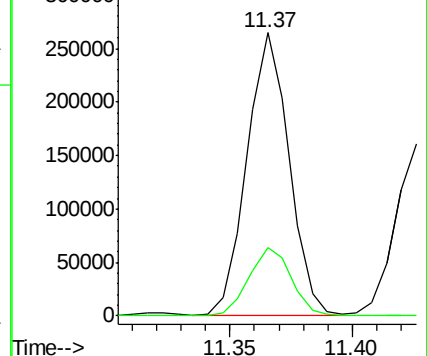
91 100

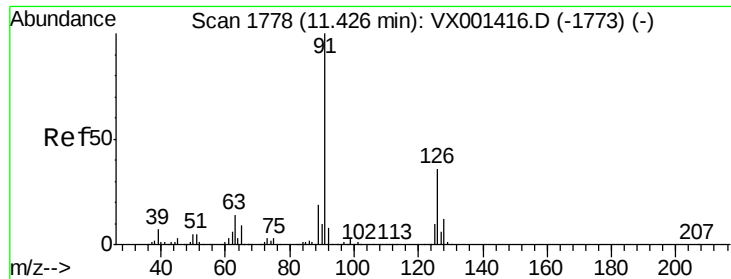
120 24.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.23 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0509MBSD02

Tot Ion: 91 Resp: 194550

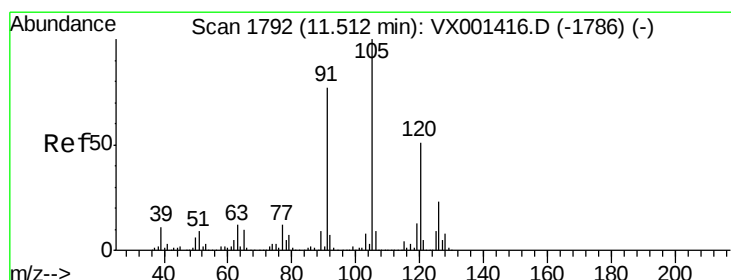
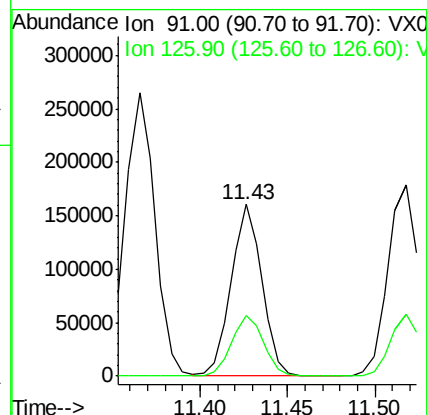
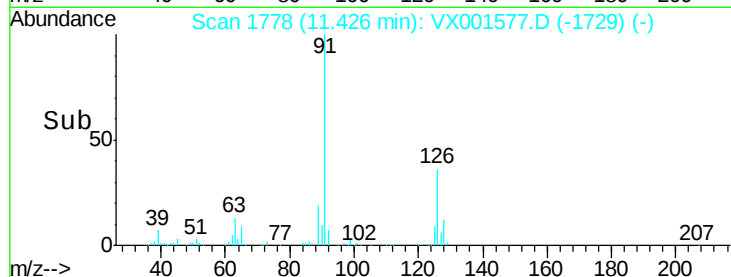
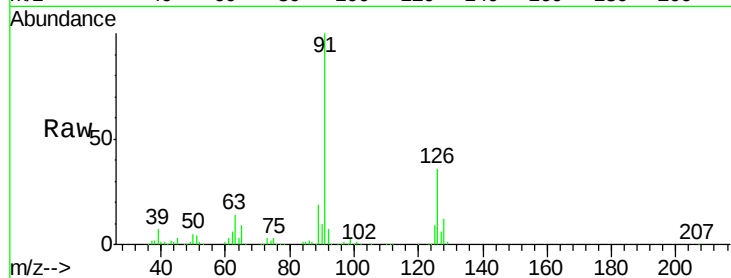
Ion Ratio Lower Upper

91 100

126 36.9 18.1 54.4

Manual Integrations  
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#80

1,3,5-Trimethylbenzene

Concen: 22.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001577.D

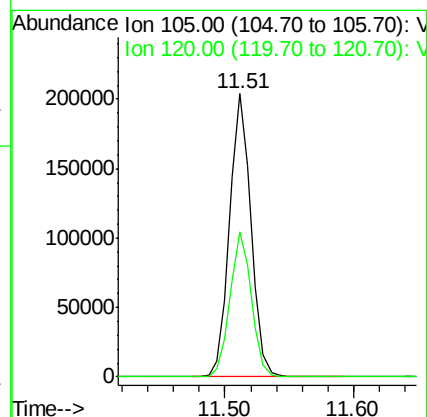
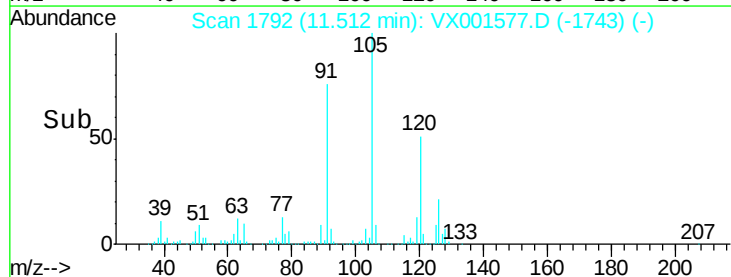
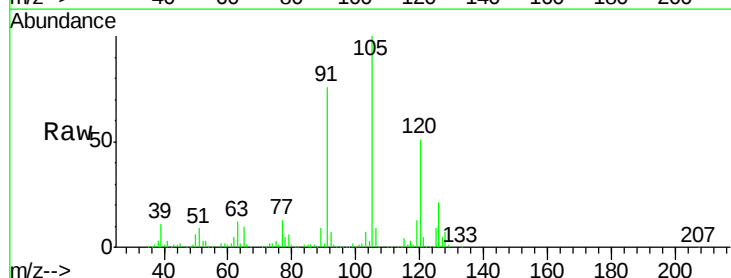
Acq: 10 May 2018 01:34

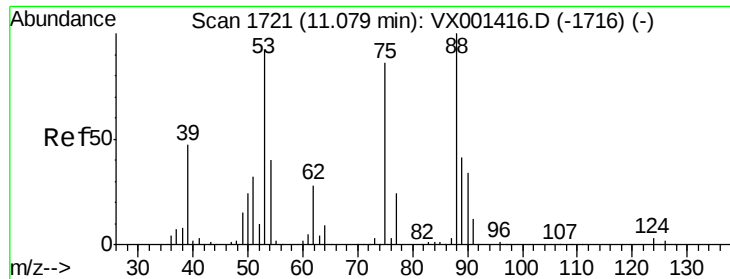
Tgt Ion: 105 Resp: 239311

Ion Ratio Lower Upper

105 100

120 51.4 25.7 77.1





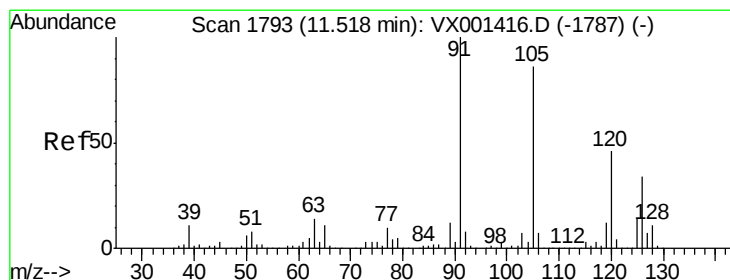
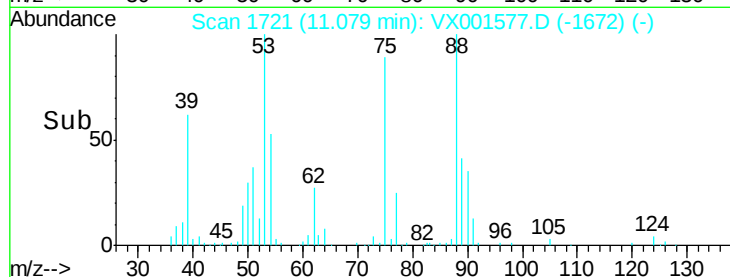
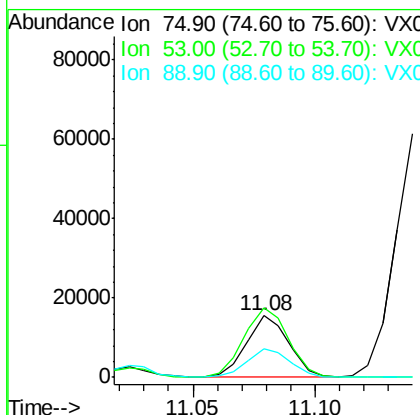
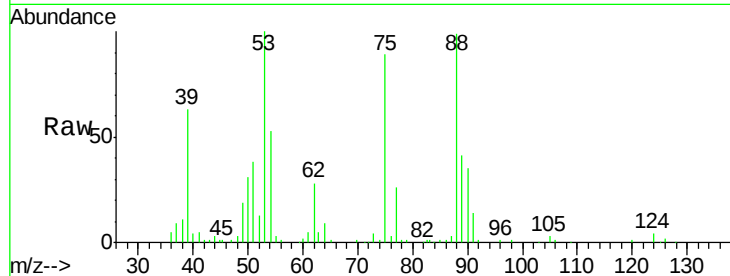
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.69 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 116.2 | 84.5  | 126.7 |
| 89      | 46.7  | 39.5  | 59.3  |

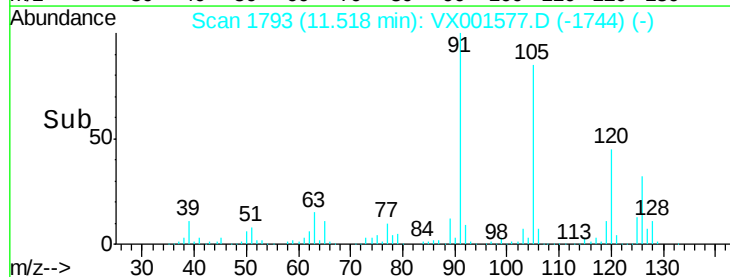
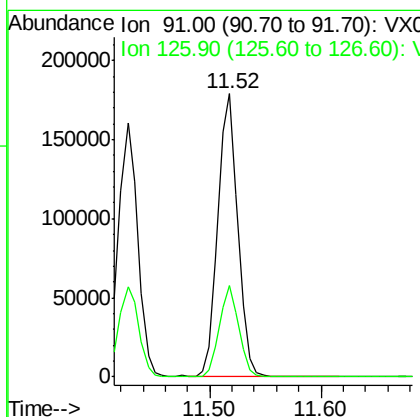
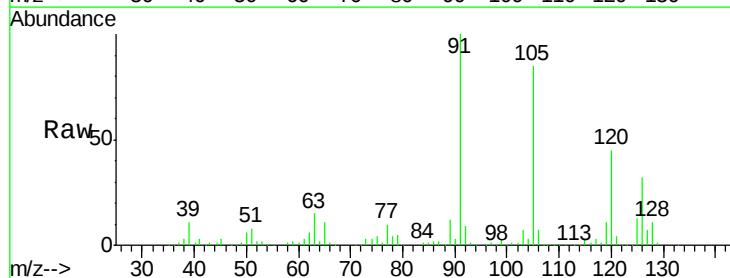
Manual Integrations  
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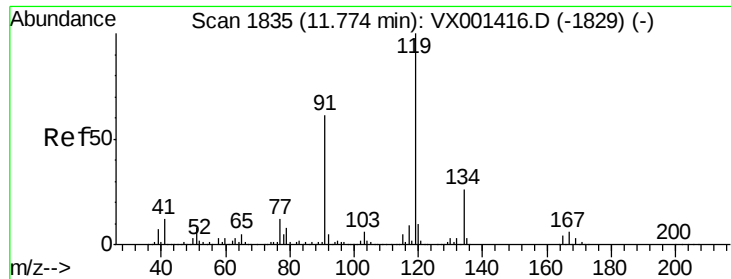
MMDadoda  
5/10/2018 1:52:01 PM



#82  
4-Chlorotoluene  
Concen: 21.98 ug/l  
RT: 11.52 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.3  | 16.2  | 48.5  |





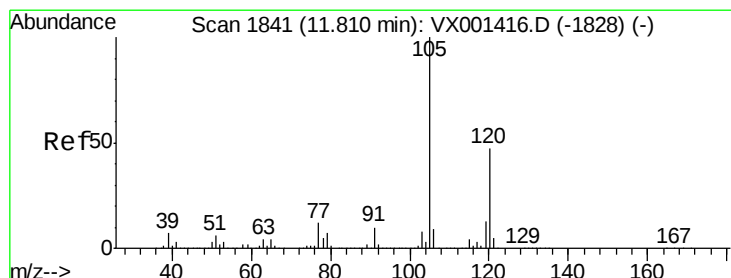
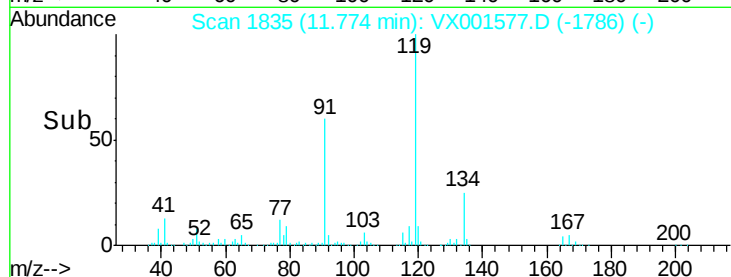
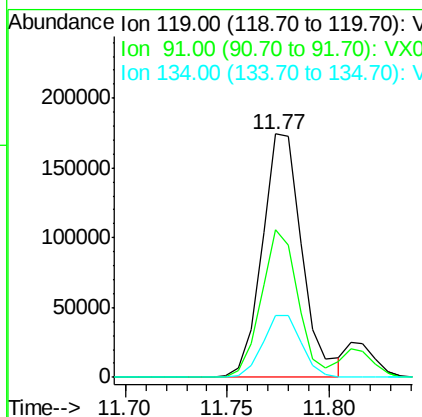
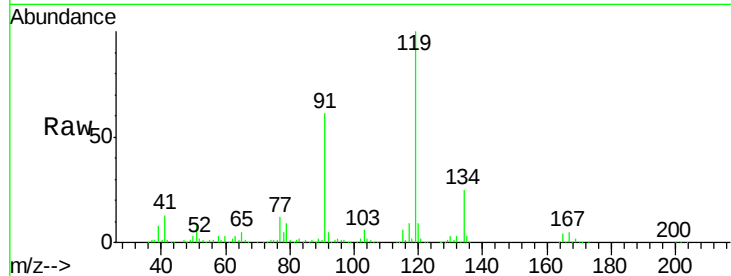
#83  
 tert-Butylbenzene  
 Concen: 21.98 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 55.8  | 27.8  | 83.3  |
| 134     | 24.9  | 12.4  | 37.0  |

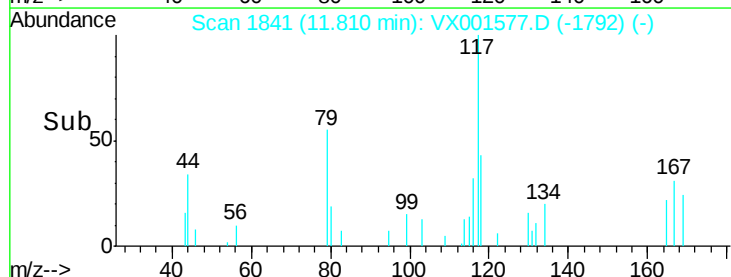
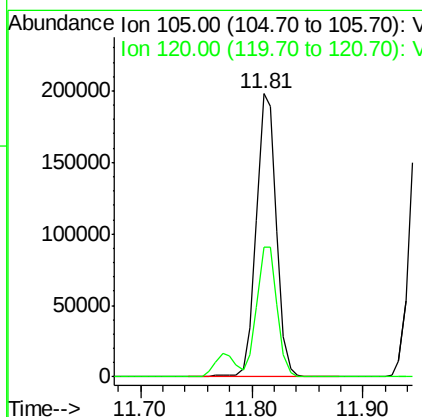
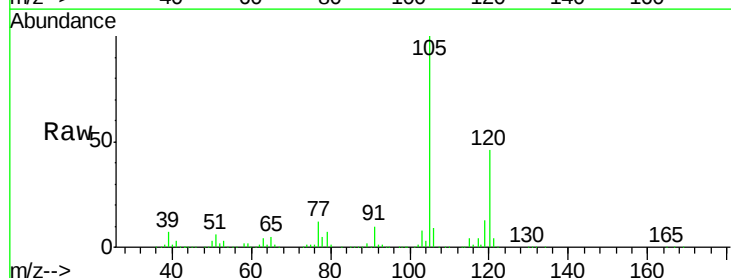
Manual Integrations  
 APPROVED

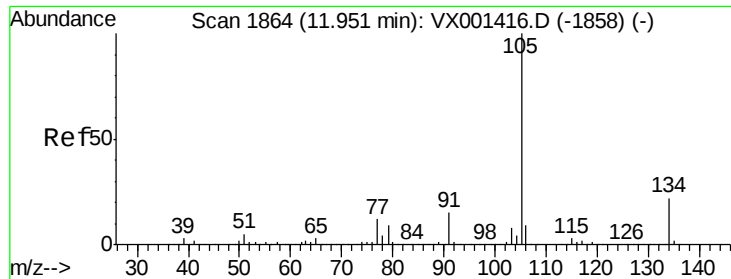
MMDadoda  
 5/10/2018 1:52:01 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.26 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.5  | 23.4  | 70.2  |





#85

sec-Butylbenzene

Concen: 22.13 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleID :

VX0509MBS02

Tot Ion:105 Resp: 287372

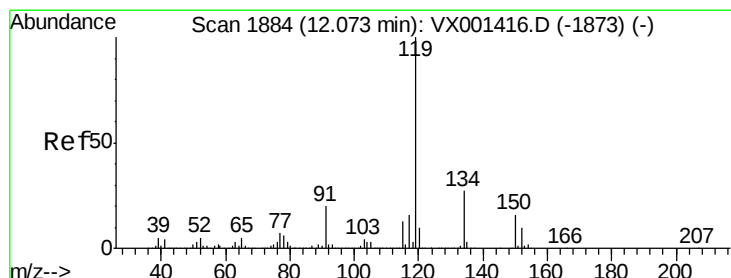
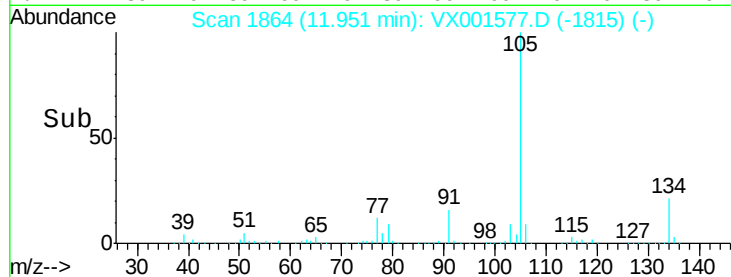
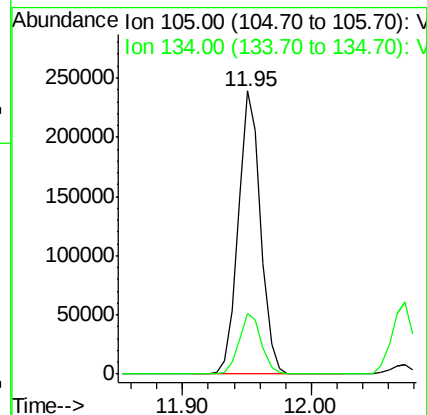
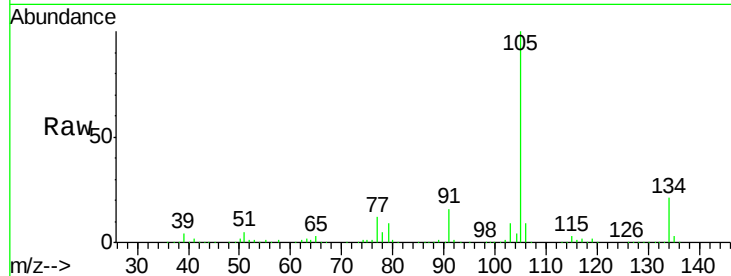
Ion Ratio Lower Upper

105 100

134 21.4 10.9 32.9

Manual Integrations  
APPROVED

MMDadoda  
5/10/2018 1:52:01 PM



#86

p-Isopropyltoluene

Concen: 21.81 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

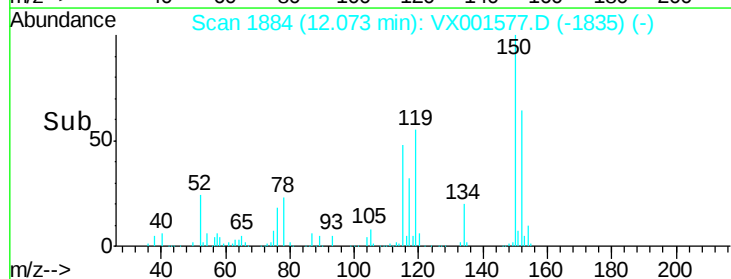
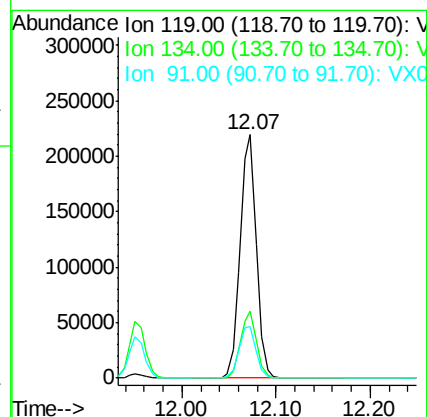
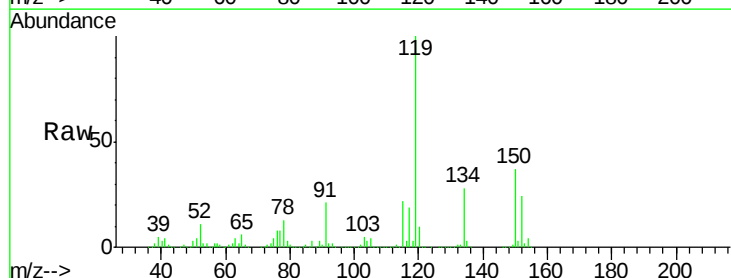
Tgt Ion:119 Resp: 259740

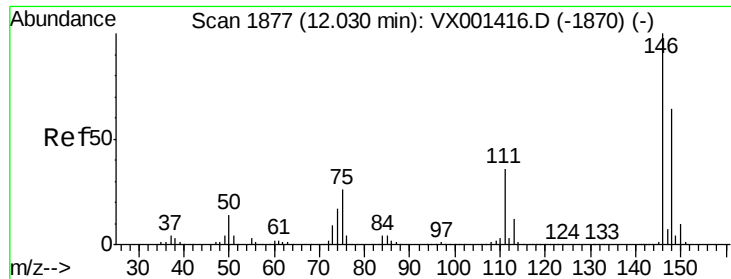
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.4 10.8 32.3





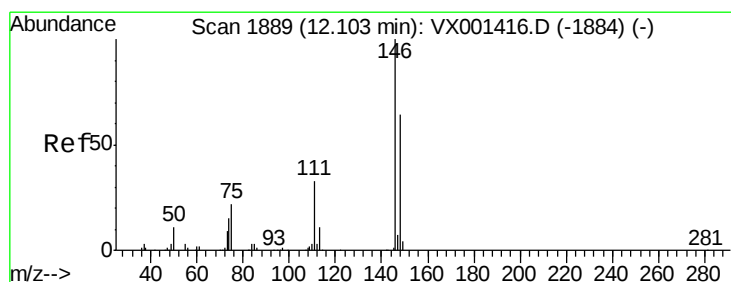
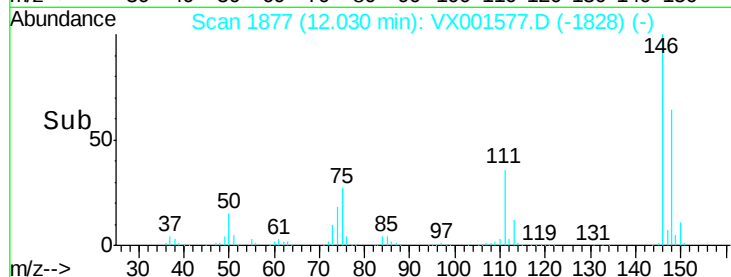
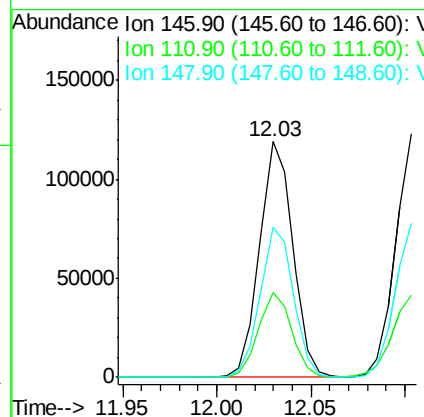
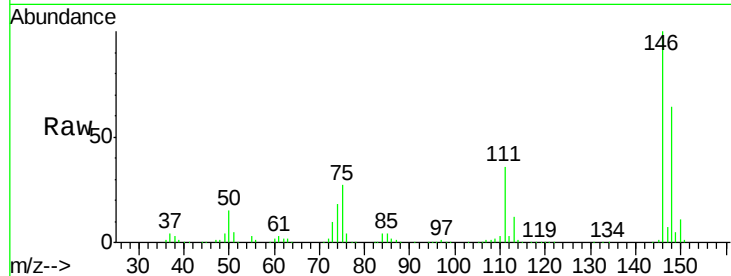
#87  
 1,3-Dichlorobenzene  
 Concen: 21.52 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.2  | 18.1  | 54.1  |
| 148     | 63.8  | 32.1  | 96.5  |

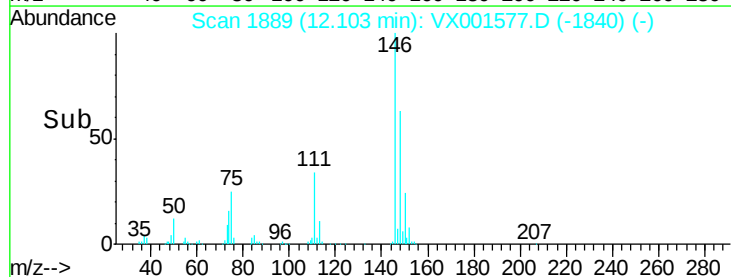
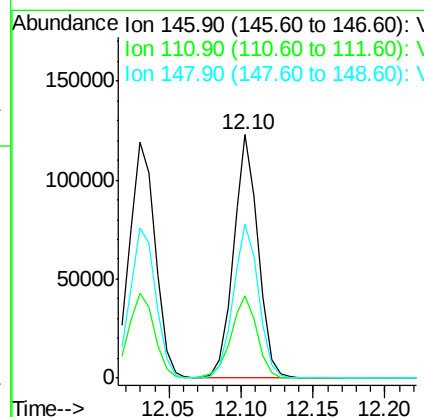
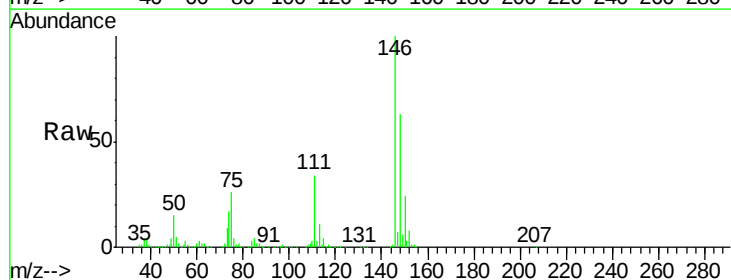
Manual Integrations  
 APPROVED

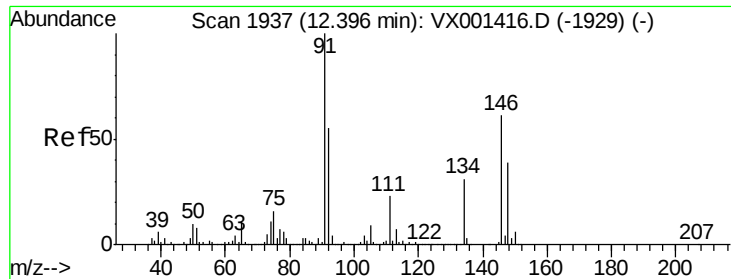
MMDadoda  
 5/10/2018 1:52:01 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 21.19 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.2  | 17.4  | 52.3  |
| 148     | 65.4  | 32.2  | 96.6  |





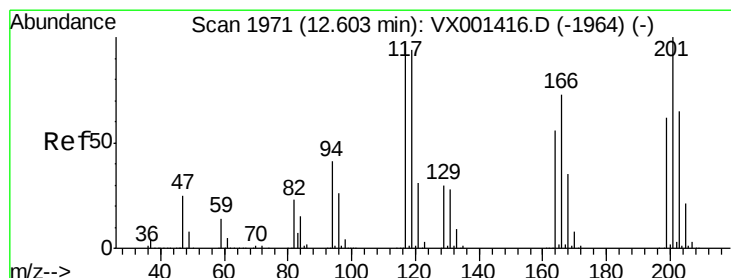
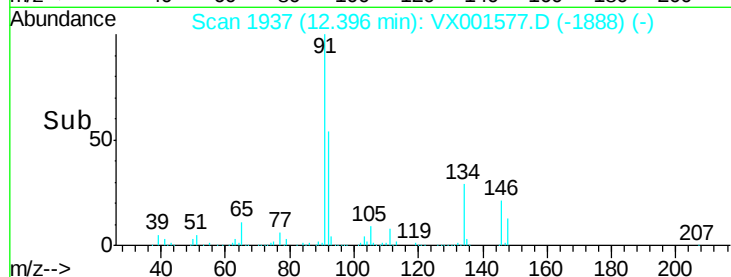
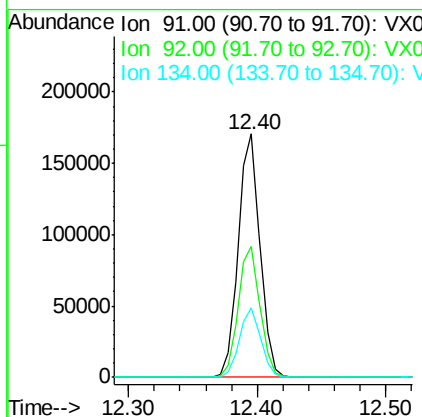
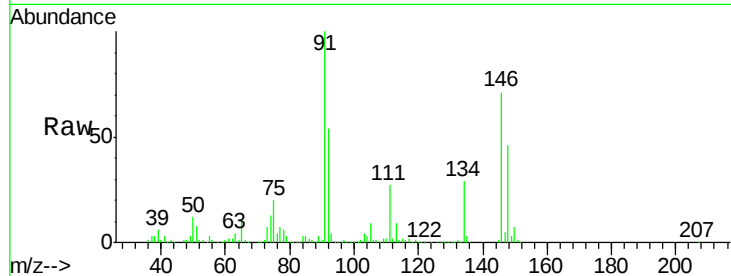
#89  
n-Butylbenzene  
Concen: 20.25 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0509MBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 199862 |       |       |
| 92      | 54.1  | 27.2   | 81.5  |       |
| 134     | 28.2  | 14.6   | 44.0  |       |

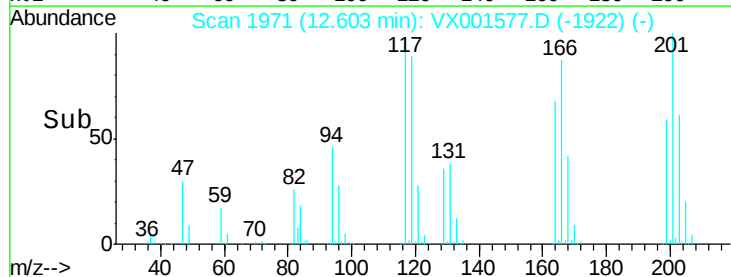
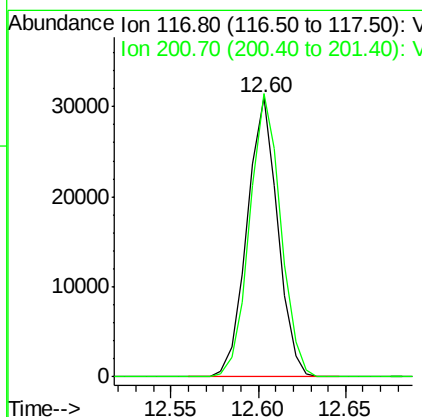
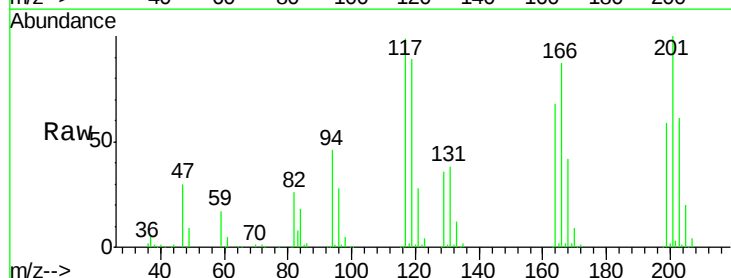
Manual Integrations  
APPROVED

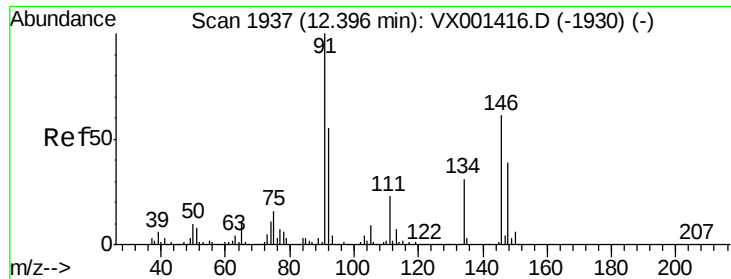
MMDadoda  
5/10/2018 1:52:01 PM



#90  
Hexachloroethane  
Concen: 21.06 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VX001577.D  
Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 37781 |       |       |
| 201     | 102.5 | 51.5  | 154.5 |       |





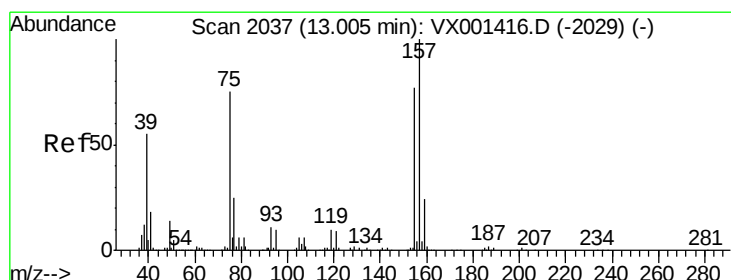
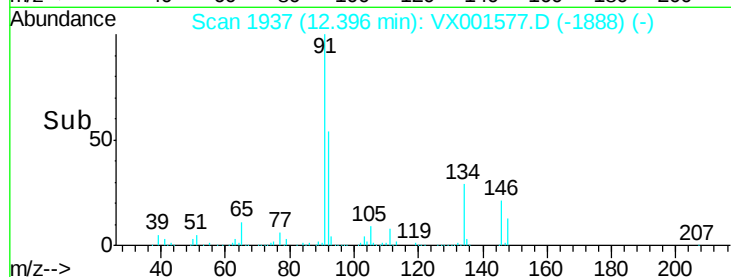
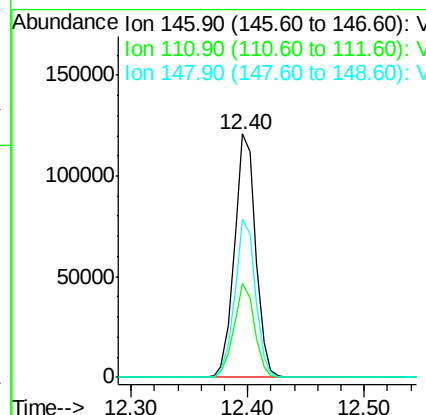
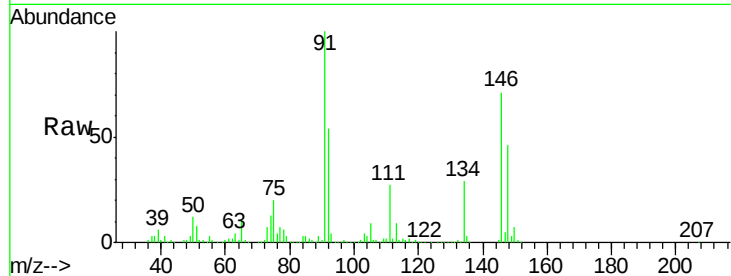
#91  
 1,2-Dichlorobenzene  
 Concen: 22.12 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 152722 |       |       |
| 111     | 37.4  | 18.6   | 55.8  |       |
| 148     | 63.4  | 32.1   | 96.5  |       |

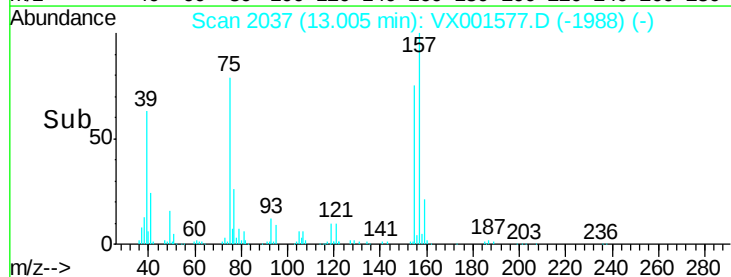
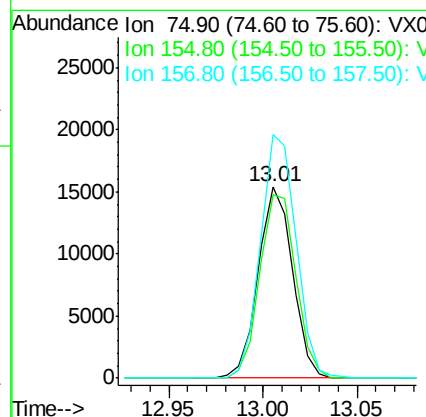
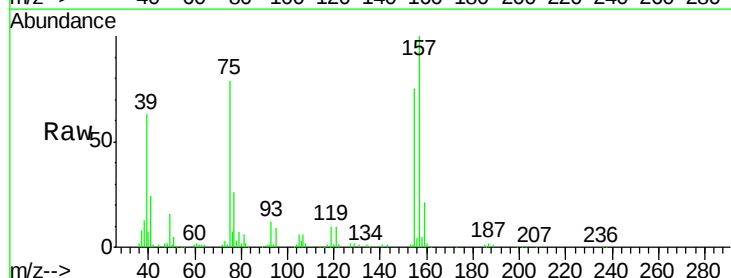
Manual Integrations  
 APPROVED

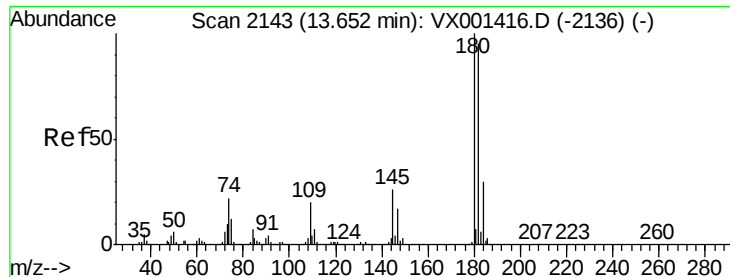
MMDadoda  
 5/10/2018 1:52:01 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 23.04 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 19522 |       |       |
| 155     | 100.9 | 53.4  | 160.2 |       |
| 157     | 131.6 | 68.3  | 204.8 |       |





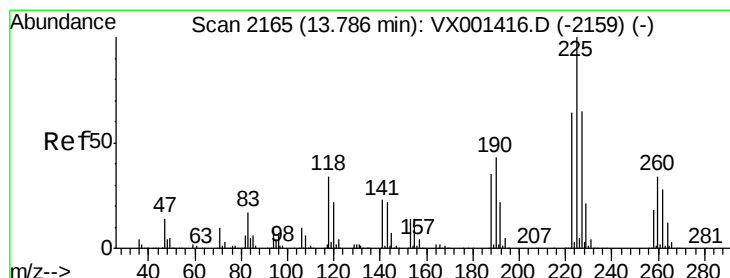
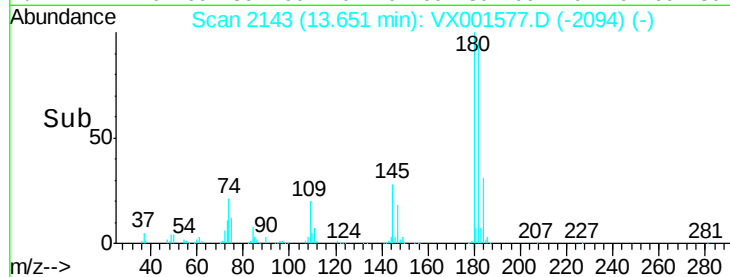
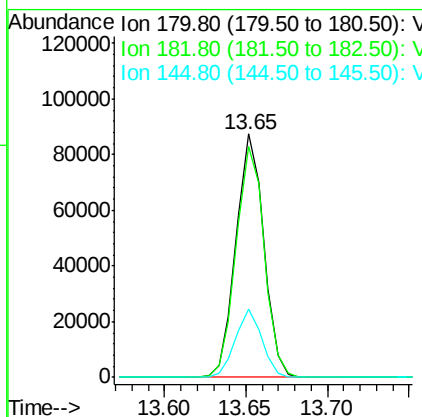
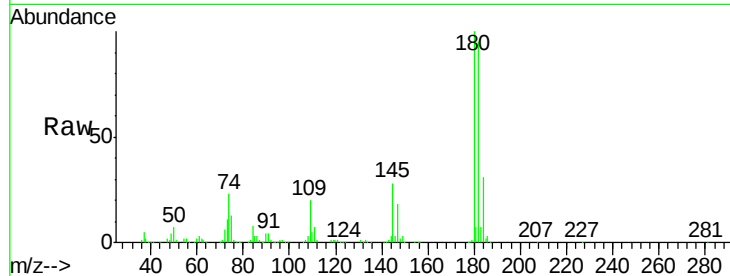
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.57 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 103952 |       |       |
| 182     | 96.0  | 47.8   | 143.4 |       |
| 145     | 26.9  | 13.3   | 39.9  |       |

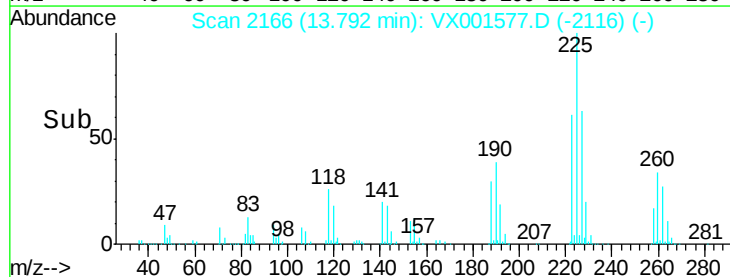
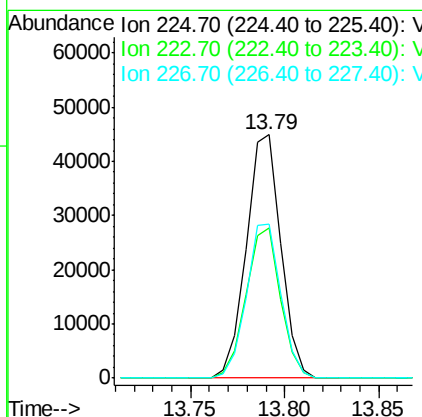
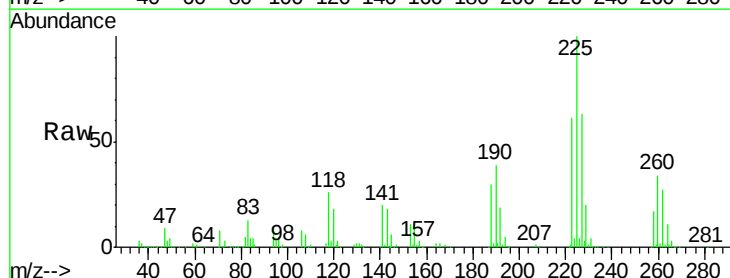
Manual Integrations  
 APPROVED

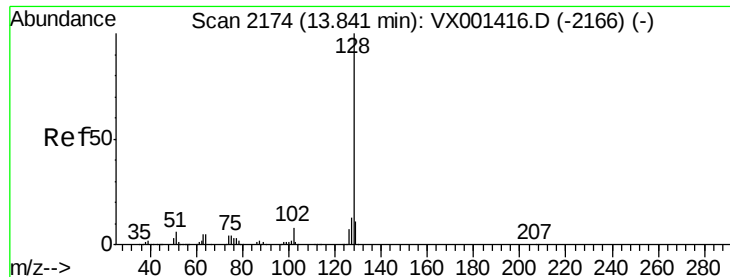
MMDadoda  
 5/10/2018 1:52:01 PM



#94  
 Hexachlorobutadiene  
 Concen: 20.67 ug/l  
 RT: 13.79 min Scan# 2166  
 Delta R.T. 0.01 min  
 Lab File: VX001577.D  
 Acq: 10 May 2018 01:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 57135 |       |       |
| 223     | 61.4  | 31.3  | 93.9  |       |
| 227     | 63.1  | 32.4  | 97.2  |       |





#95

Naphthalene

Concen: 22.25 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

Instrument :

MSVOA\_X

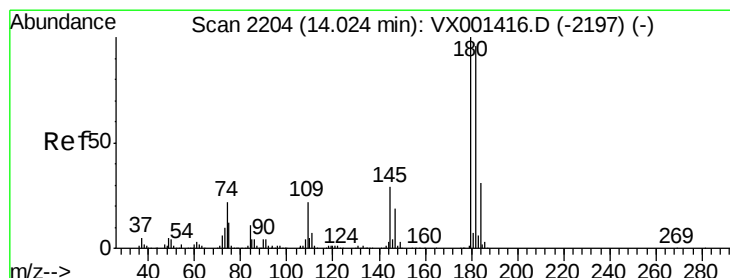
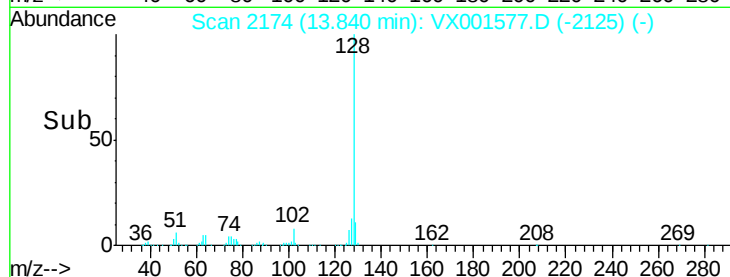
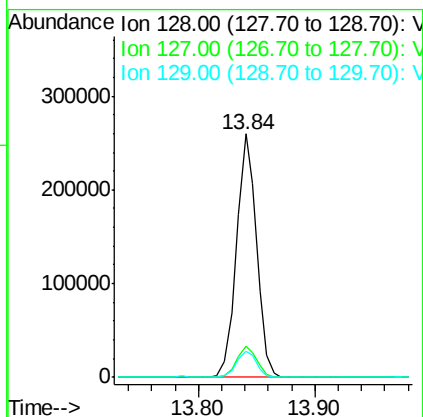
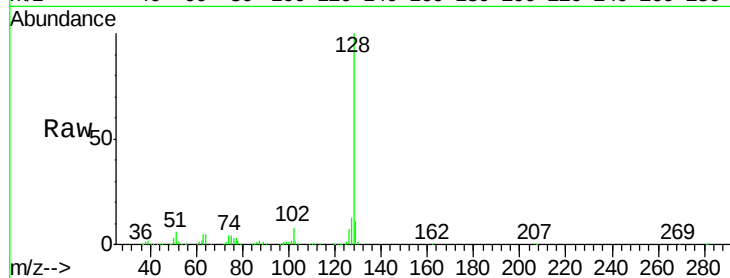
ClientSampleId :

VX0509MBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 310855 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.4  | 15.6   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
APPROVED

MMDadoda  
5/10/2018 1:52:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.78 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001577.D

Acq: 10 May 2018 01:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 112895 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 48.0  | 144.2  |
| 145       | 28.8  | 14.1  | 42.4   |

