

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102218\  
 Data File : VX005509.D  
 Acq On : 23 Oct 2018 09:26  
 Operator : JC/MD  
 Sample : J5603-19MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MS

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2018 1:28:14 PM

Quant Time: Oct 23 12:19:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 5.67  | 168  | 202682   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.86  | 114  | 281597   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.12 | 117  | 265108   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.08 | 152  | 152058   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.06  | 65   | 125265   | 55.69   | ug/l    | -0.01    |
| Spiked Amount 50.000          |       |      | Recovery | =       | 111.38% |          |
| 35) Dibromofluoromethane      | 5.51  | 113  | 103866   | 55.69   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 111.38% |          |
| 50) Toluene-d8                | 8.71  | 98   | 347149   | 54.22   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 108.44% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 132472   | 55.07   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 110.14% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.20  | 85   | 65778    | 41.508  | ug/l    | 100      |
| 3) Chloromethane              | 1.32  | 50   | 108750   | 47.360  | ug/l    | 99       |
| 4) Vinyl Chloride             | 1.41  | 62   | 112622   | 48.416  | ug/l    | 95       |
| 5) Bromomethane               | 1.64  | 94   | 53062    | 40.502  | ug/l    | 99       |
| 6) Chloroethane               | 1.71  | 64   | 69361    | 50.535  | ug/l #  | 87       |
| 7) Trichlorofluoromethane     | 1.92  | 101  | 152099   | 48.998  | ug/l #  | 81       |
| 8) Diethyl Ether              | 2.19  | 74   | 64740    | 48.839  | ug/l    | 85       |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38  | 101  | 79048    | 44.120  | ug/l    | 97       |
| 10) Methyl Iodide             | 2.51  | 142  | 84243    | 43.237  | ug/l    | 97       |
| 11) Tert butyl alcohol        | 3.07  | 59   | 157076   | 247.544 | ug/l    | 100      |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 87074    | 49.051  | ug/l    | 82       |
| 13) Acrolein                  | 2.29  | 56   | 86462    | 213.215 | ug/l    | 96       |
| 14) Allyl chloride            | 2.73  | 41   | 188433   | 48.349  | ug/l    | 96       |
| 15) Acrylonitrile             | 3.15  | 53   | 375853   | 261.388 | ug/l    | 99       |
| 16) Acetone                   | 2.45  | 43   | 334713   | 257.351 | ug/l    | 96       |
| 17) Carbon Disulfide          | 2.57  | 76   | 216461   | 40.253  | ug/l #  | 95       |
| 18) Methyl Acetate            | 2.78  | 43   | 206660   | 55.851  | ug/l #  | 90       |
| 19) Methyl tert-butyl Ether   | 3.20  | 73   | 335732   | 53.700  | ug/l    | 97       |
| 20) Methylene Chloride        | 2.85  | 84   | 103733   | 54.865  | ug/l    | 94       |
| 21) trans-1,2-Dichloroethene  | 3.16  | 96   | 90327    | 45.915  | ug/l    | 86       |
| 22) Diisopropyl ether         | 3.87  | 45   | 359112   | 54.858  | ug/l    | 98       |
| 23) Vinyl Acetate             | 3.82  | 43   | 1378384  | 240.910 | ug/l    | 95       |
| 24) 1,1-Dichloroethane        | 3.70  | 63   | 198211   | 52.832  | ug/l    | 97       |
| 25) 2-Butanone                | 4.70  | 43   | 512287   | 269.207 | ug/l #  | 89       |
| 26) 2,2-Dichloropropane       | 4.58  | 77   | 90752    | 32.344  | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene    | 4.60  | 96   | 108390   | 50.697  | ug/l    | 95       |
| 28) Bromochloromethane        | 5.03  | 49   | 101466   | 59.327  | ug/l    | 89       |
| 29) Tetrahydrofuran           | 5.16  | 42   | 315435   | 259.866 | ug/l    | 95       |
| 30) Chloroform                | 5.21  | 83   | 192127   | 55.173  | ug/l    | 93       |
| 31) Cyclohexane               | 5.57  | 56   | 134511   | 43.501  | ug/l #  | 84       |
| 32) 1,1,1-Trichloroethane     | 5.49  | 97   | 156533   | 51.661  | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 5.81  | 75   | 129427   | 47.457  | ug/l    | 99       |
| 37) Ethyl Acetate             | 4.86  | 43   | 171364   | 48.859  | ug/l    | 97       |
| 38) Carbon Tetrachloride      | 5.78  | 117  | 134871   | 49.217  | ug/l    | 91       |

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 Sample : J5603-19MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 RAV-GT104MS

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2018 1:28:14 PM

Quant Time: Oct 23 12:19:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 112351   | 38.064  | ug/l   | 96       |
| 40) Benzene                    | 6.14  | 78   | 402054   | 49.144  | ug/l   | 96       |
| 41) Methacrylonitrile          | 5.06  | 41   | 101681   | 54.077  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 146685   | 50.778  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 262645   | 56.216  | ug/l   | 95       |
| 44) Trichloroethene            | 7.21  | 130  | 100356   | 48.017  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 105362   | 52.502  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 67460    | 50.931  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 140253   | 57.246  | ug/l # | 85       |
| 48) Methyl methacrylate        | 7.77  | 41   | 135043   | 55.730  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 51670    | 924.495 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 922326   | 285.108 | ug/l   | 94       |
| 52) Toluene                    | 8.79  | 92   | 233905   | 52.259  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 136358   | 51.428  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 141195   | 49.147  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 101107   | 53.333  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 157937   | 57.148  | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 170124   | 53.765  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 320      | 0.206   | ug/l # | 45       |
| 59) 2-Hexanone                 | 9.50  | 43   | 728890   | 280.099 | ug/l   | 92       |
| 60) Dibromochloromethane       | 9.59  | 129  | 109187   | 55.719  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 105430   | 52.992  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 95878    | 44.923  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 269889   | 47.860  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 102522   | 51.017  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 456000   | 49.741  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.36 | 106  | 350522   | 98.511  | ug/l   | 93       |
| 69) o-Xylene                   | 10.70 | 106  | 170770   | 49.763  | ug/l   | 95       |
| 70) Styrene                    | 10.71 | 104  | 291200   | 51.591  | ug/l   | 96       |
| 71) Bromoform                  | 10.86 | 173  | 91995    | 51.227  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 464694   | 51.408  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 211249   | 48.453  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 171693   | 50.351  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 149893m  | 50.820  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 126609   | 48.986  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 529098   | 50.865  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 326317   | 51.223  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 397417   | 51.340  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 41959    | 43.225  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 384429   | 50.906  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 400448   | 51.086  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 414248   | 52.002  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 469857   | 50.650  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 418623   | 49.928  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 235154   | 48.690  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 237974   | 48.165  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 364434   | 47.871  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.60 | 117  | 72905    | 50.453  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 240902   | 48.879  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 41662    | 50.088  | ug/l   | 94       |

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Operator : JC/MD  
Sample : J5603-19MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Manual Integrations  
APPROVED

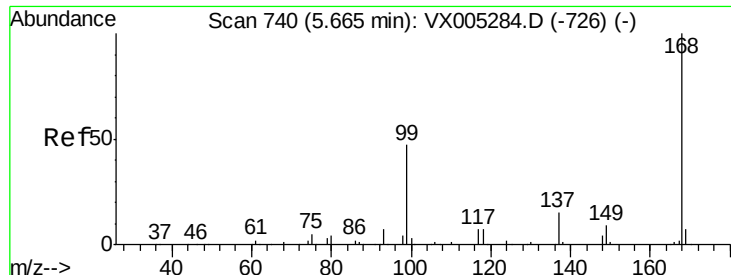
MMDadoda  
10/23/2018 1:28:14 PM

Quant Time: Oct 23 12:19:56 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 175024   | 48.404 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 82375    | 43.134 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 568131   | 54.177 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 185917   | 50.251 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion:168 Resp: 202682

Ion Ratio Lower Upper

168 100

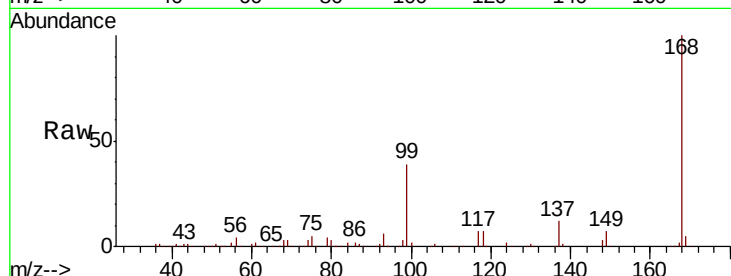
99 39.0 39.9 59.9#

Manual Integrations

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10/23/2018 1:28:14 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

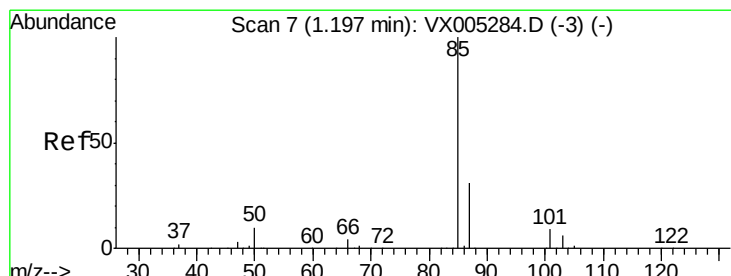
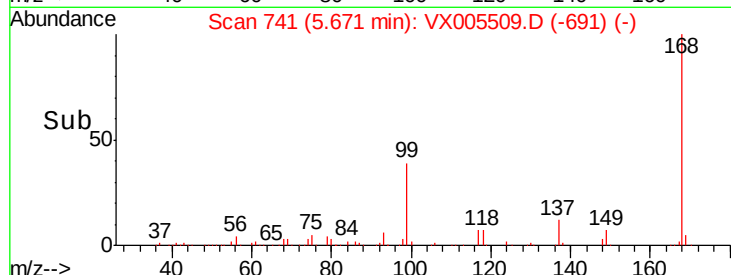
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.508 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005509.D

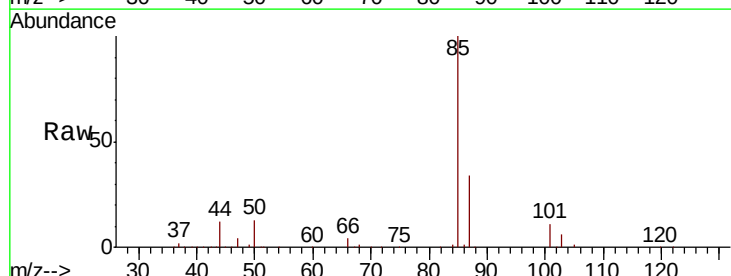
Acq: 23 Oct 2018 09:26

Tgt Ion: 85 Resp: 65778

Ion Ratio Lower Upper

85 100

87 33.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

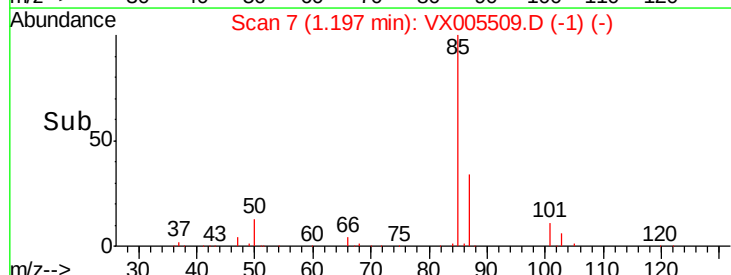
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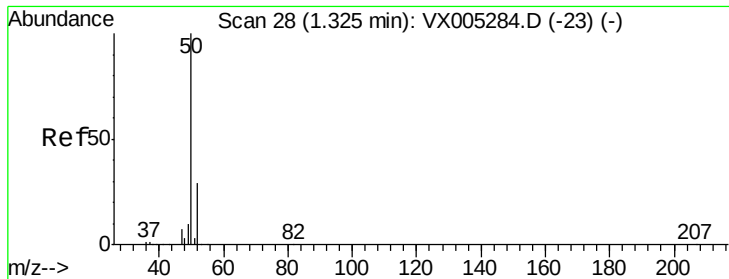
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.360 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 50 Resp: 108750

Ion Ratio Lower Upper

50 100

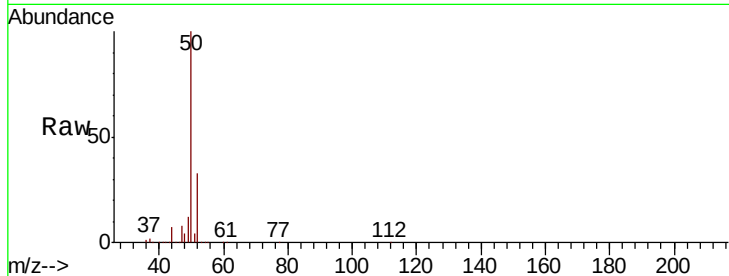
52 33.4 26.2 39.2

Manual Integrations

APPROVED

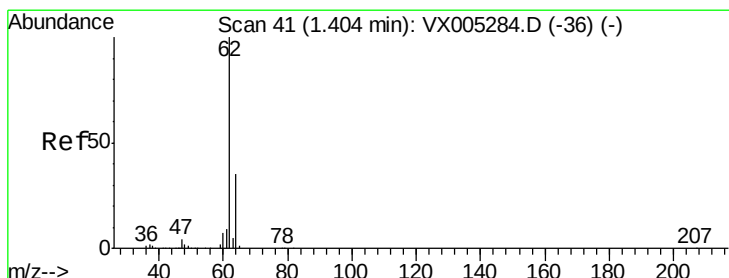
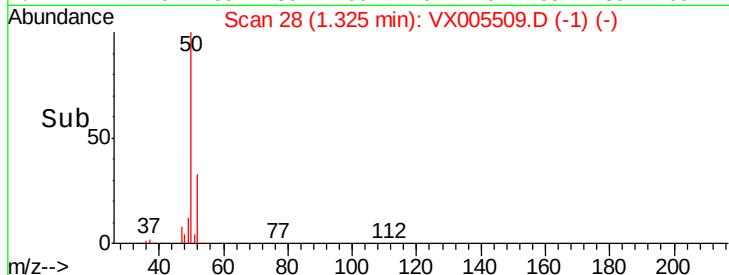
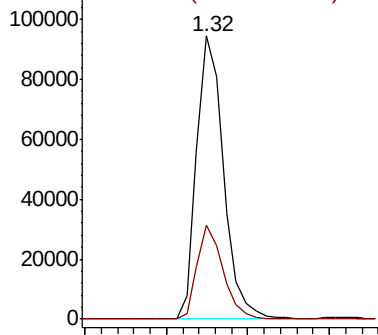
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.416 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005509.D

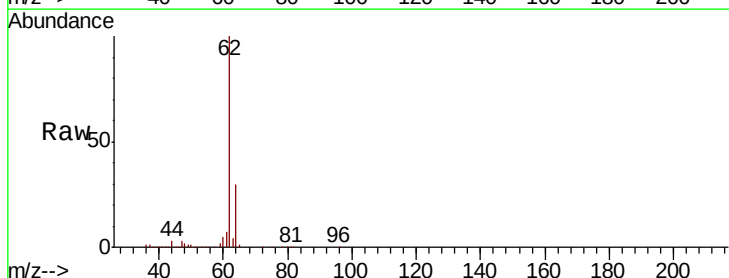
Acq: 23 Oct 2018 09:26

Tgt Ion: 62 Resp: 112622

Ion Ratio Lower Upper

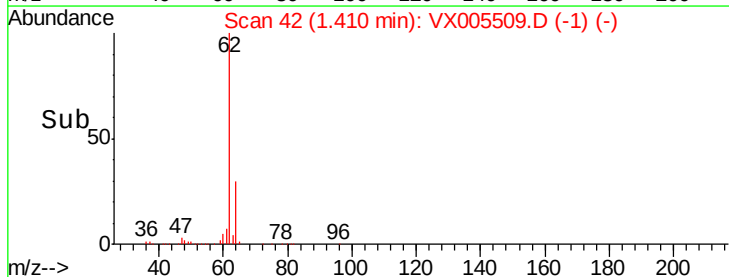
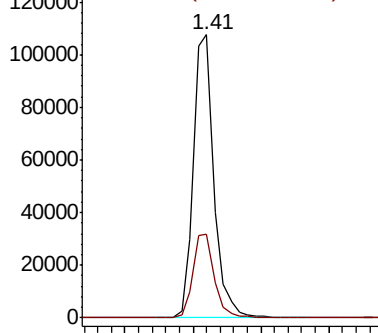
62 100

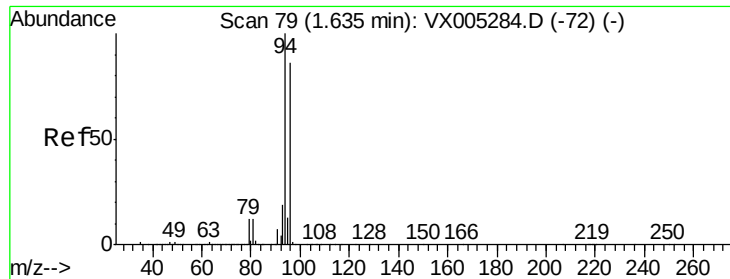
64 29.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.502 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 94 Resp: 53062

Ion Ratio Lower Upper

94 100

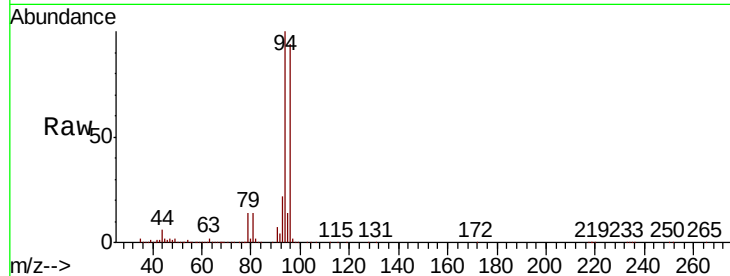
96 94.2 74.5 111.7

Manual Integrations

APPROVED

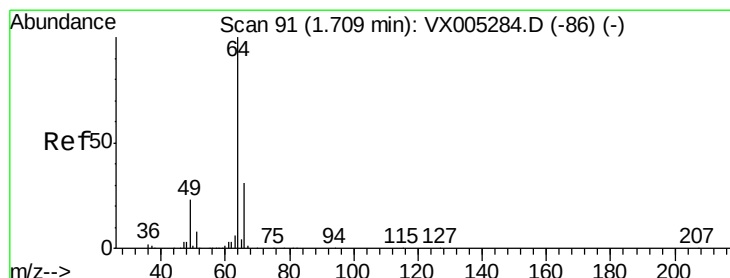
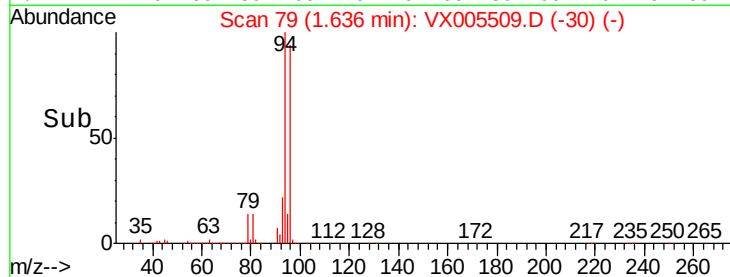
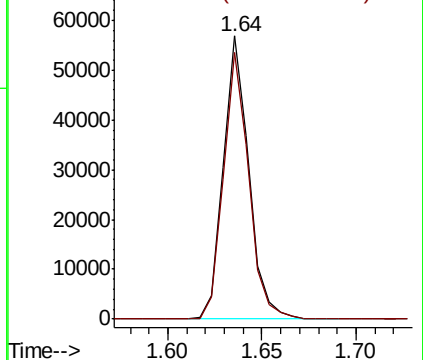
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.535 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005509.D

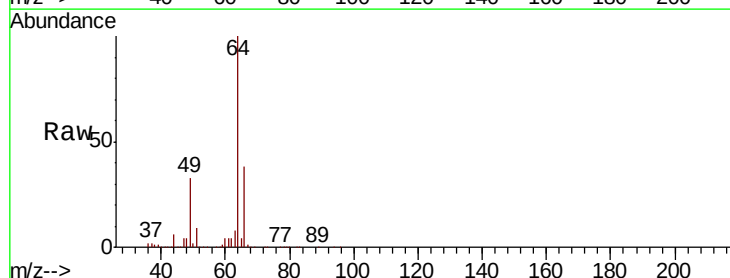
Acq: 23 Oct 2018 09:26

Tgt Ion: 64 Resp: 69361

Ion Ratio Lower Upper

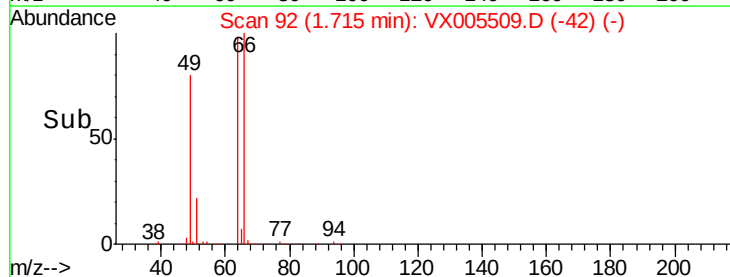
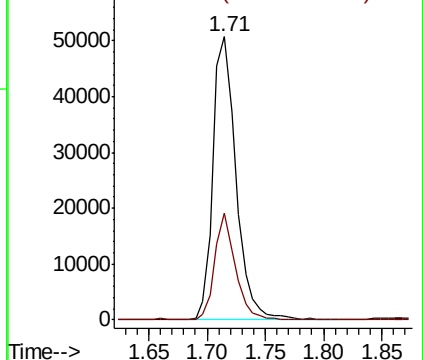
64 100

66 37.9 24.6 36.8#

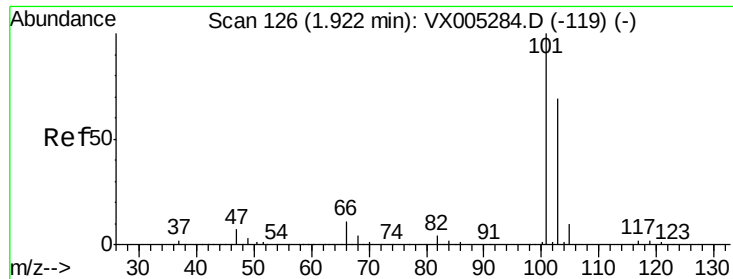


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0







#7

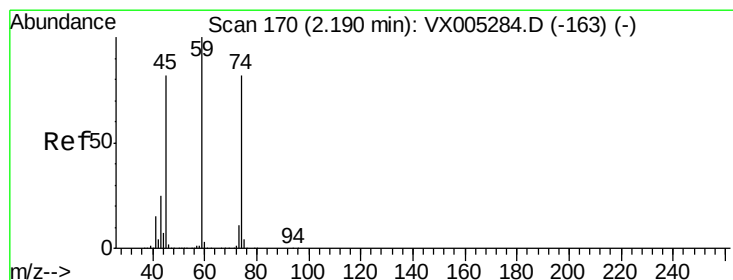
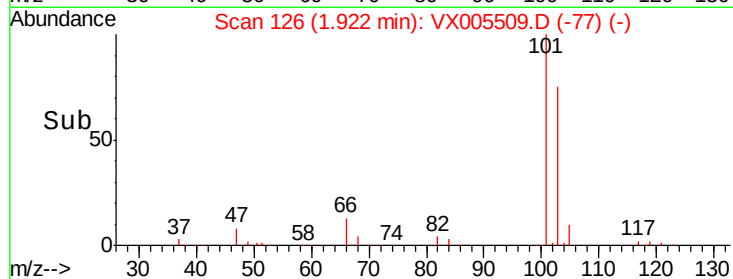
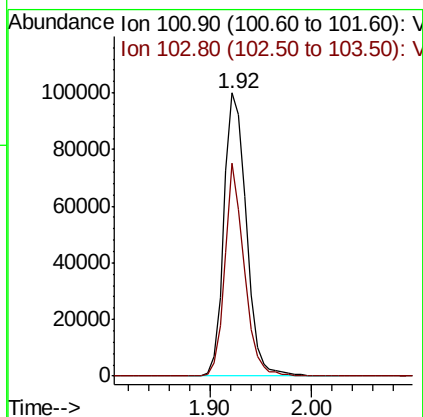
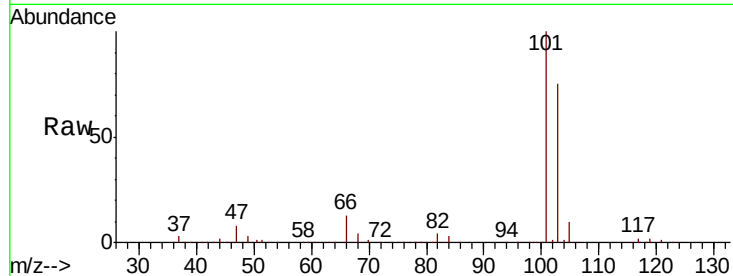
Trichlorofluoromethane  
Concen: 48.998 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion:101 Resp: 152099  
Ion Ratio Lower Upper  
101 100  
103 75.3 48.9 73.3#

Manual Integrations  
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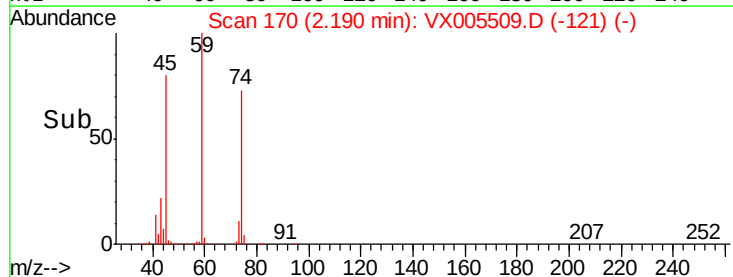
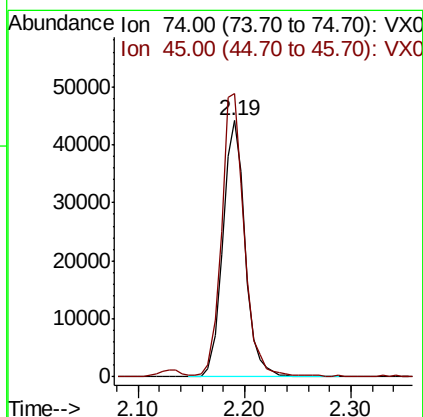
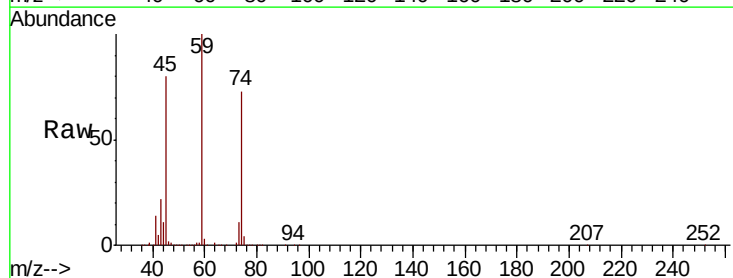
MMDadoda  
10/23/2018 1:28:14 PM



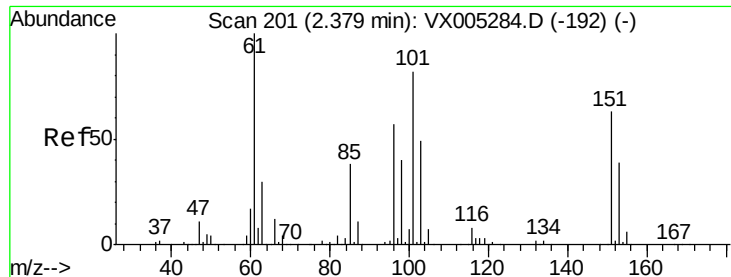
#8

Diethyl Ether  
Concen: 48.839 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion: 74 Resp: 64740  
Ion Ratio Lower Upper  
74 100  
45 111.4 48.3 144.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.120 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

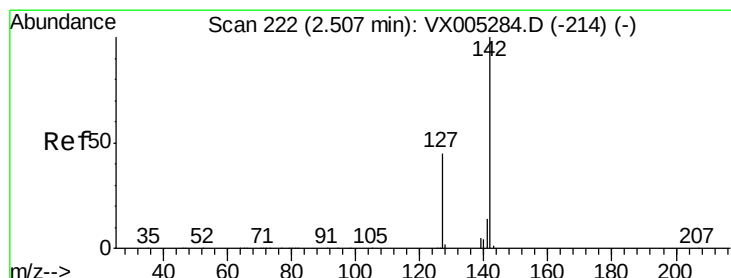
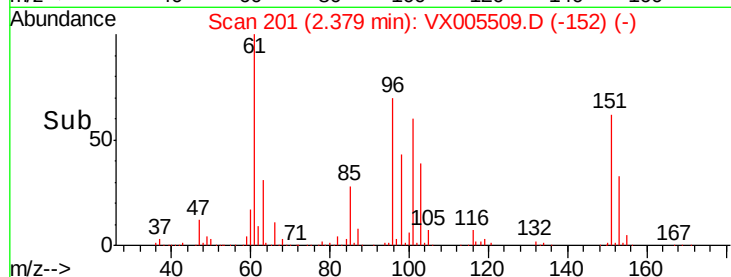
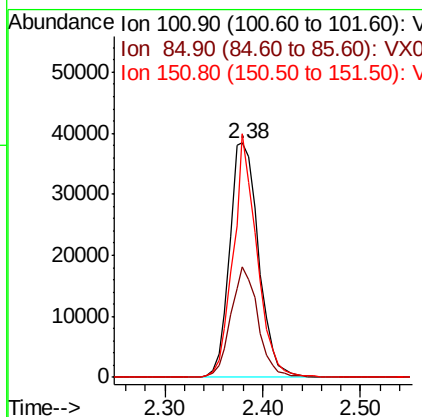
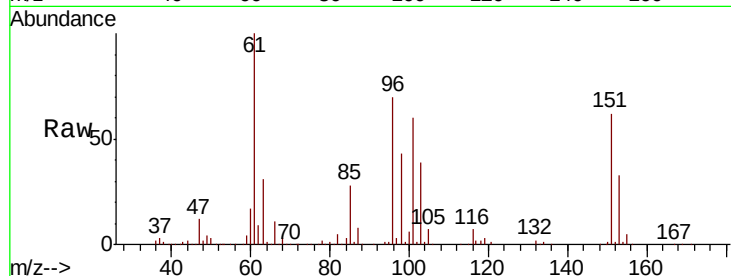
ClientSampleId :

RAV-GT104MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 79048 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.9  | 34.2  | 51.4  |
| 151       | 84.7  | 65.0  | 97.6  |

Manual Integrations  
APPROVED

MMDadoda  
10/23/2018 1:28:14 PM



#10

Methyl Iodide

Concen: 43.237 ug/l

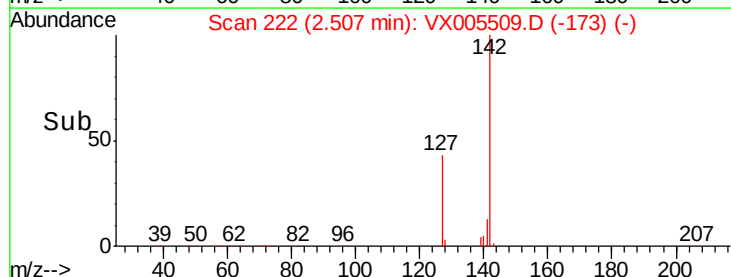
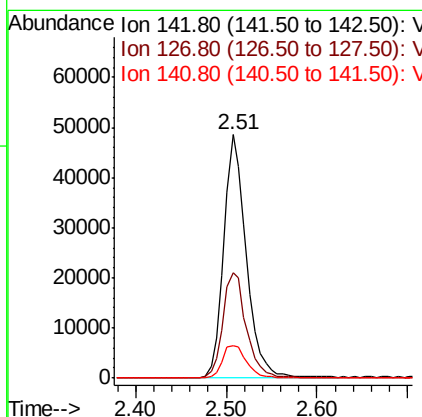
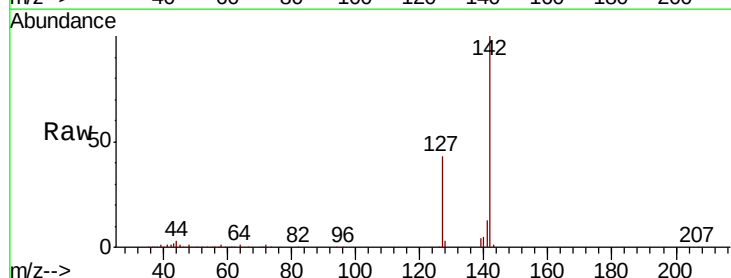
RT: 2.51 min Scan# 222

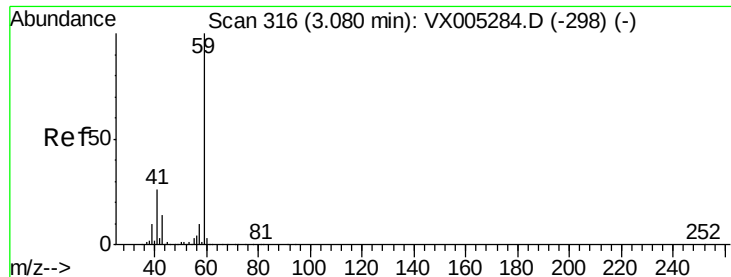
Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 84243 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.8  | 33.8  | 50.6  |
| 141       | 14.5  | 11.4  | 17.0  |





#11

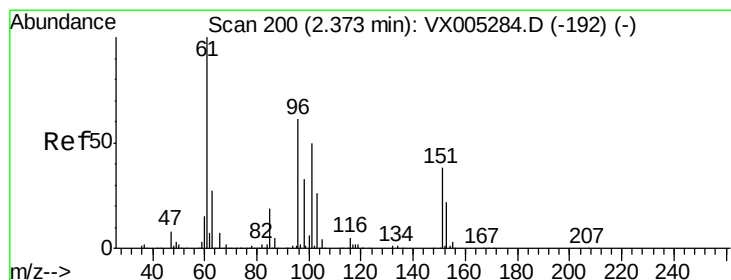
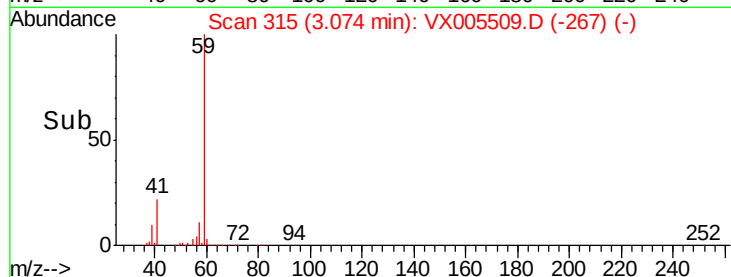
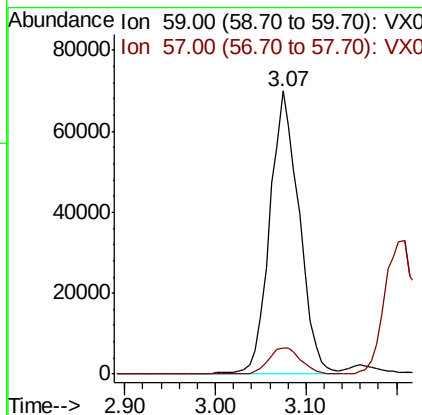
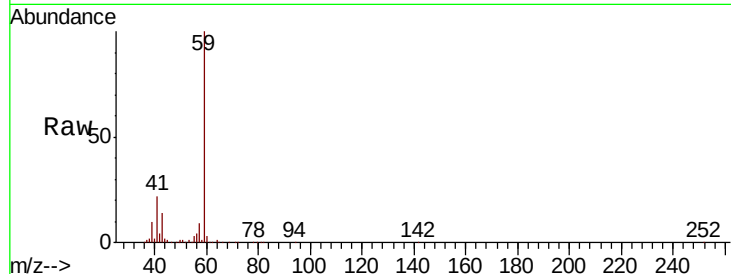
Tert butyl alcohol  
Concen: 247.544 ug/l  
RT: 3.07 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampled :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.2  | 8.2   | 12.4  |

Manual Integrations  
APPROVED

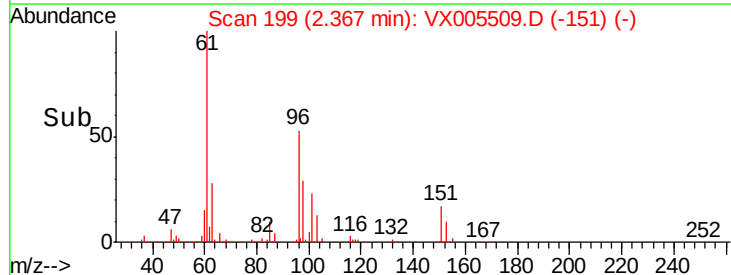
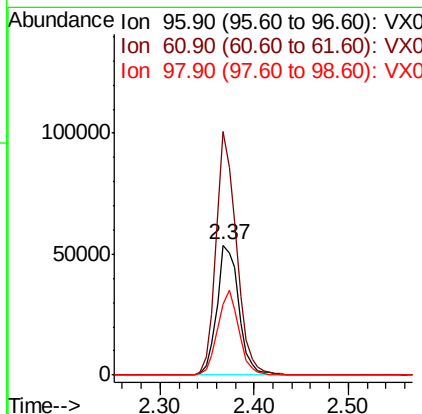
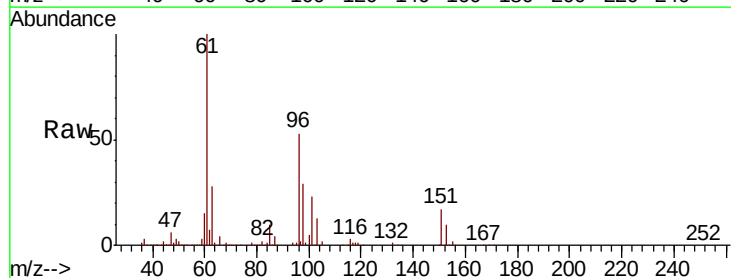
MMDadoda  
10/23/2018 1:28:14 PM

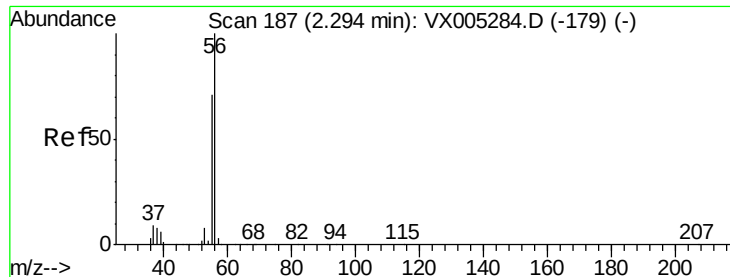


#12

1,1-Dichloroethene  
Concen: 49.051 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 187.5 | 128.8 | 193.2 |
| 98      | 54.2  | 52.2  | 78.2  |





#13

Acrolein

Concen: 213.215 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 56 Resp: 86462

Ion Ratio Lower Upper

56 100

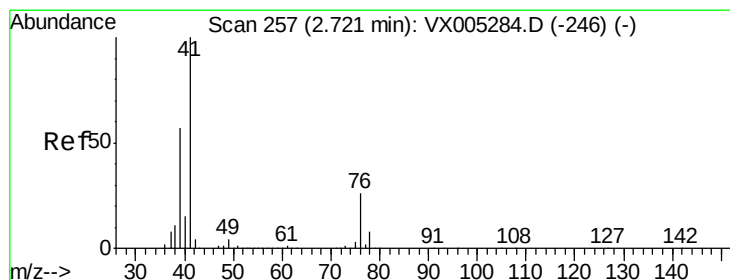
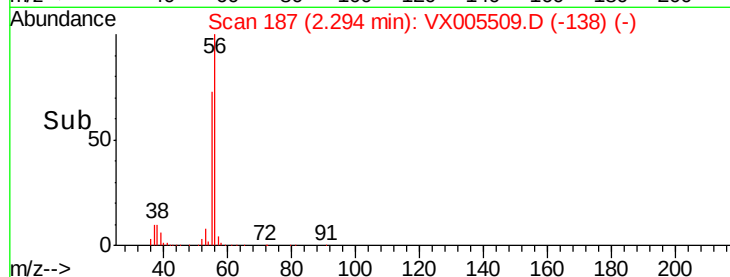
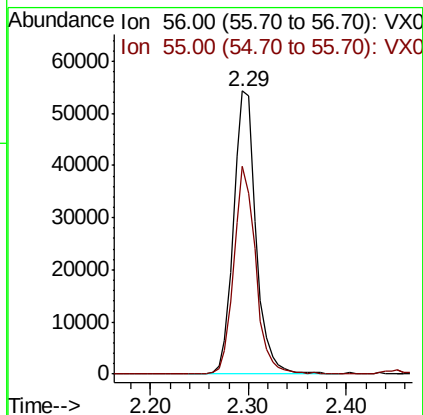
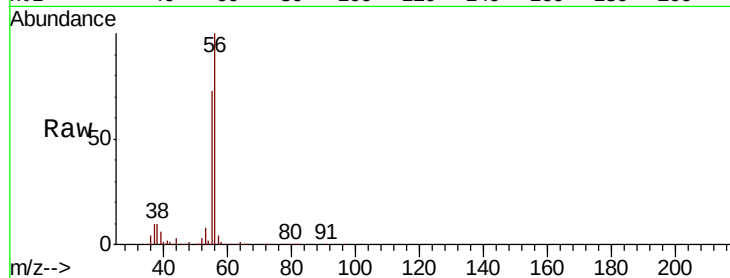
55 71.3 54.7 82.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 48.349 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

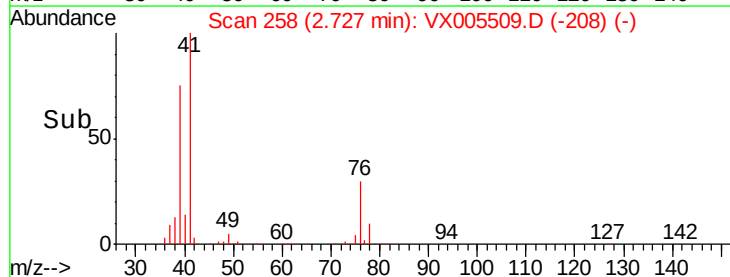
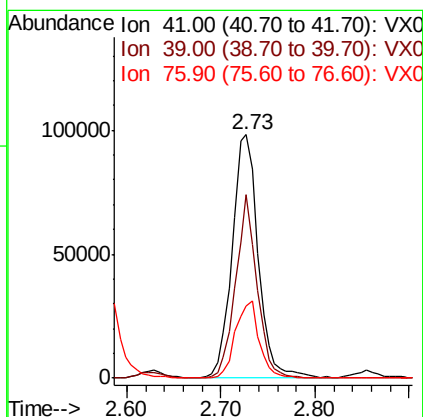
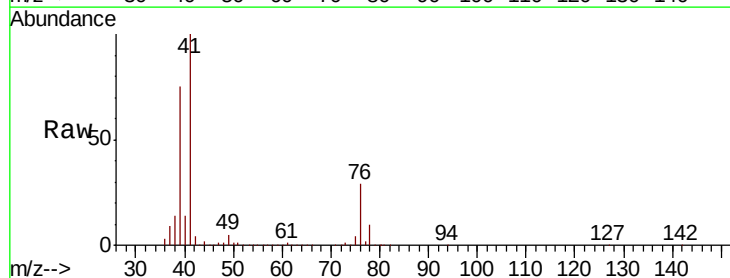
Tgt Ion: 41 Resp: 188433

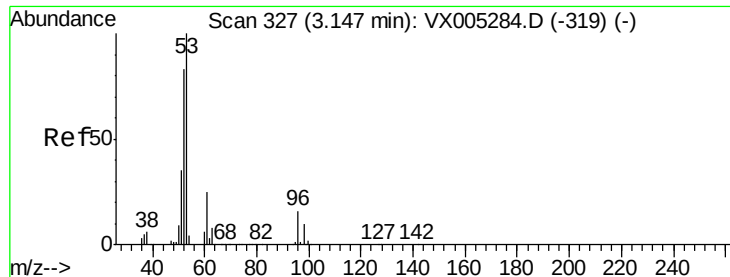
Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

76 28.9 26.7 40.1





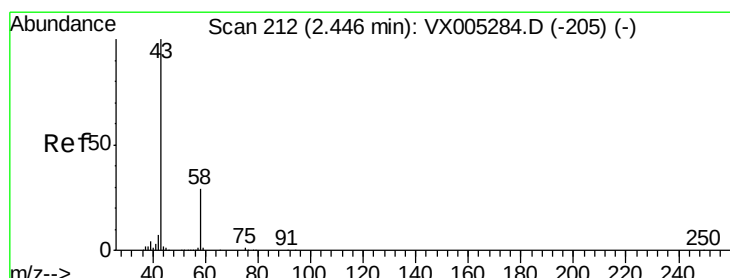
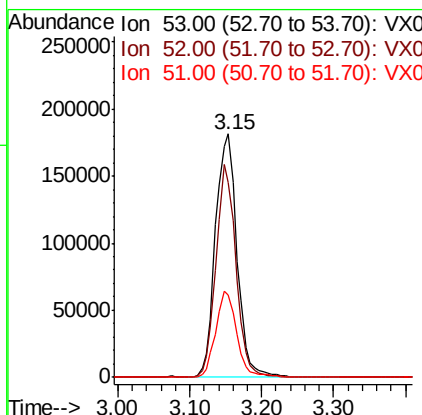
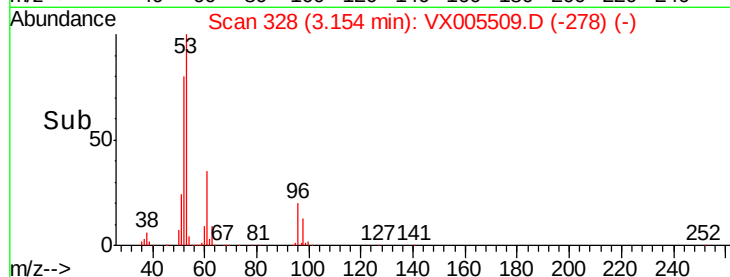
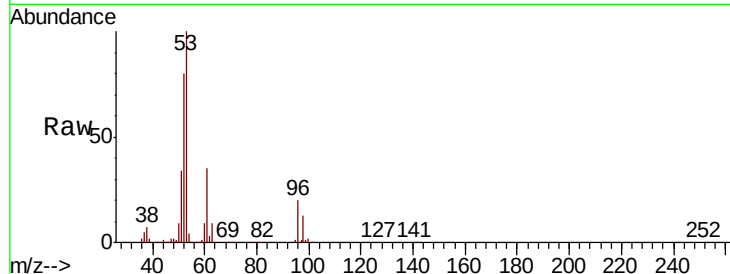
#15  
 Acrylonitrile  
 Concen: 261.388 ug/l  
 RT: 3.15 min Scan# 328  
 Delta R.T. 0.01 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.2  | 65.2  | 97.8  |
| 51      | 34.6  | 28.2  | 42.2  |

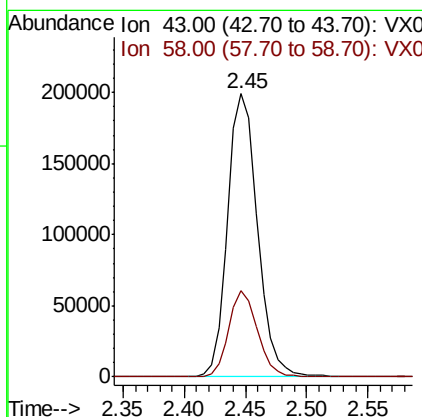
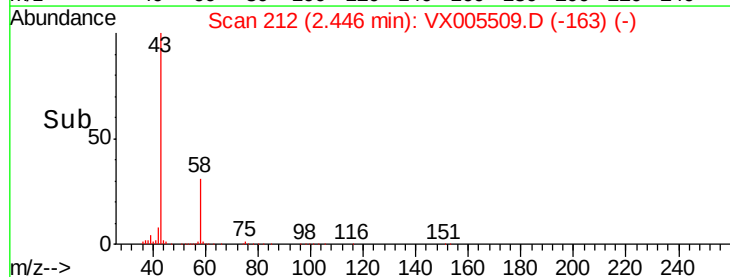
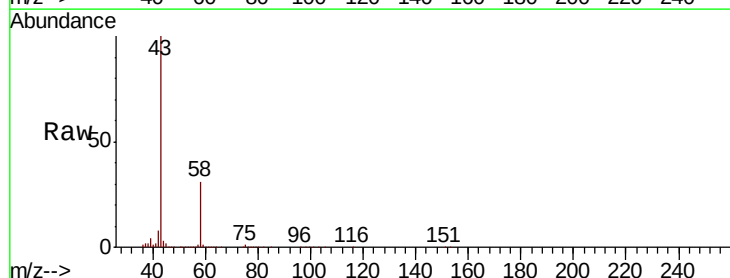
Manual Integrations  
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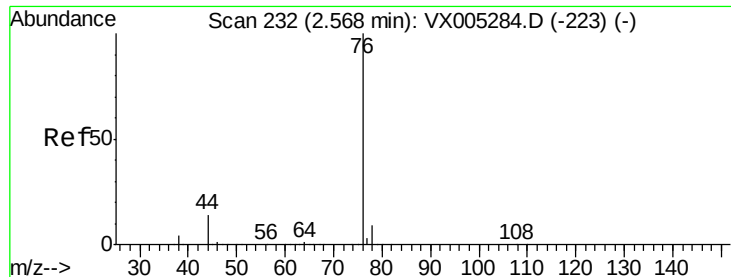
MMDadoda  
 10/23/2018 1:28:14 PM



#16  
 Acetone  
 Concen: 257.351 ug/l  
 RT: 2.45 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 30.7  | 26.2  | 39.4  |





#17

Carbon Disulfide

Concen: 40.253 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampled :

RAV-GT104MS

Tot Ion: 76 Resp: 216461

Ion Ratio Lower Upper

76 100

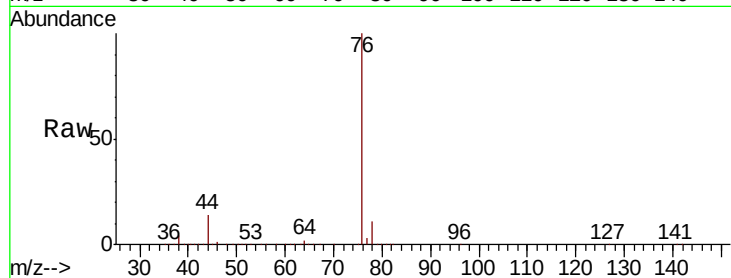
78 10.7 7.0 10.6#

Manual Integrations

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10/23/2018 1:28:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

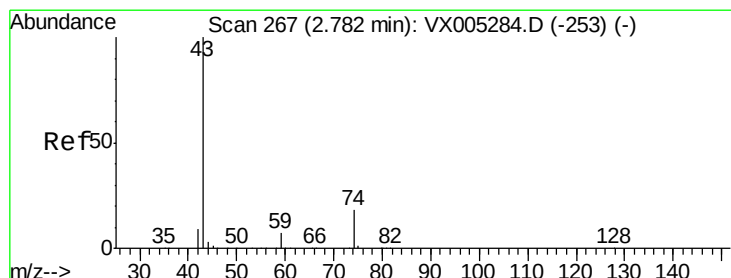
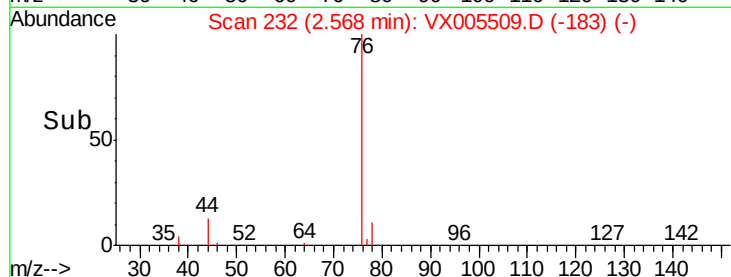
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.851 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005509.D

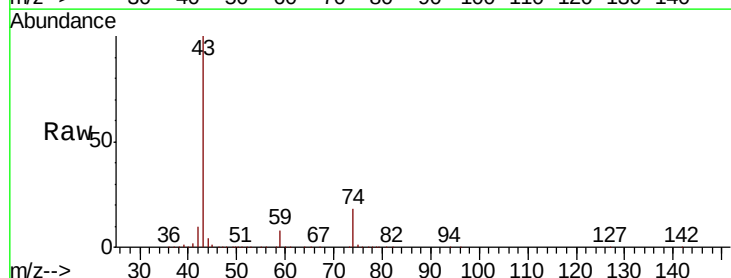
Acq: 23 Oct 2018 09:26

Tgt Ion: 43 Resp: 206660

Ion Ratio Lower Upper

43 100

74 19.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

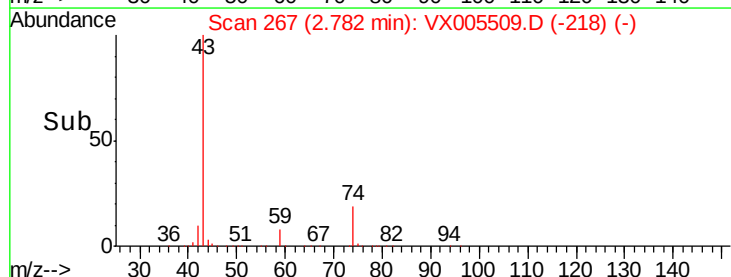
60000

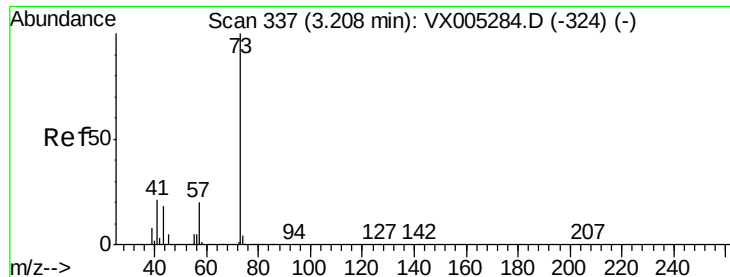
40000

20000

0

Time-->





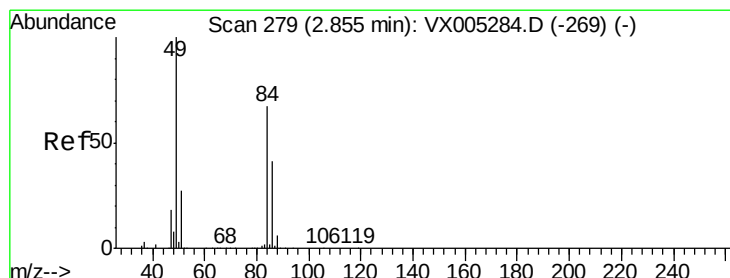
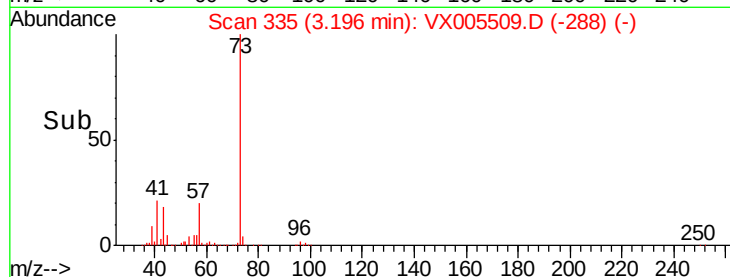
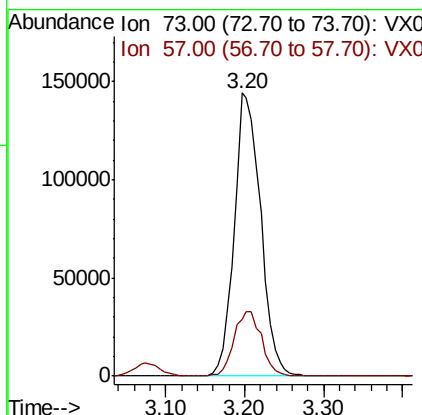
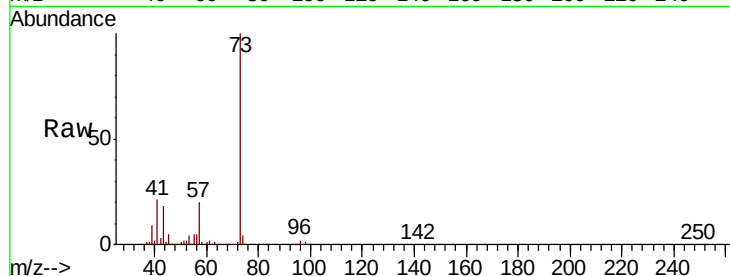
#19  
Methyl tert-butyl Ether  
Concen: 53.700 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.1  | 17.1  | 25.7  |

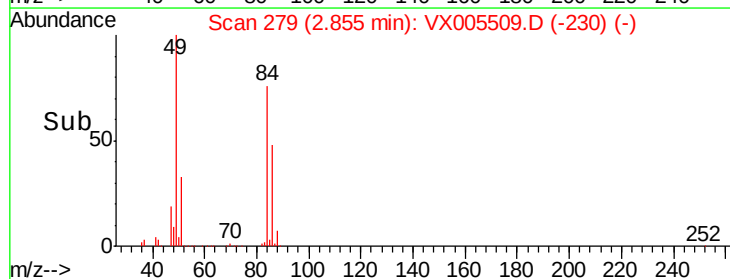
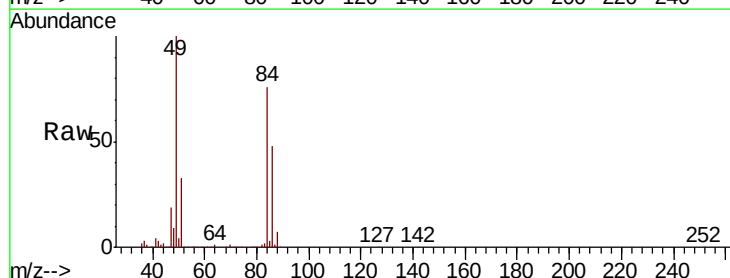
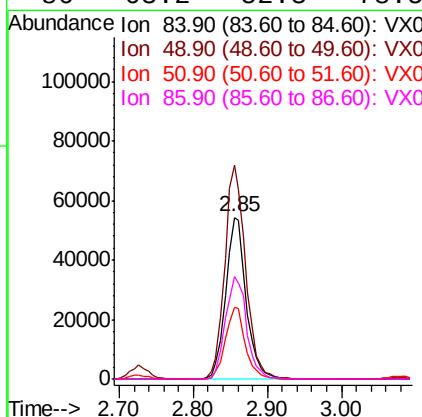
Manual Integrations  
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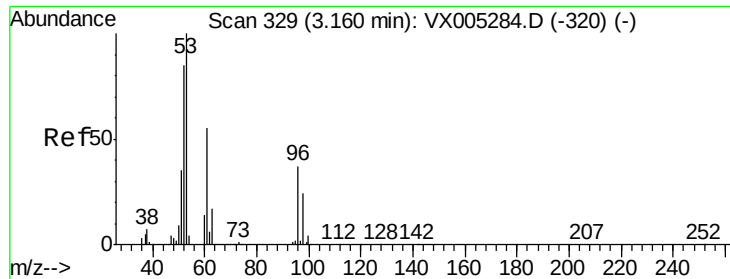
MMDadoda  
10/23/2018 1:28:14 PM



#20  
Methylene Chloride  
Concen: 54.865 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 132.3 | 101.2 | 151.8 |
| 51      | 44.1  | 29.5  | 44.3  |
| 86      | 63.2  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 45.915 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

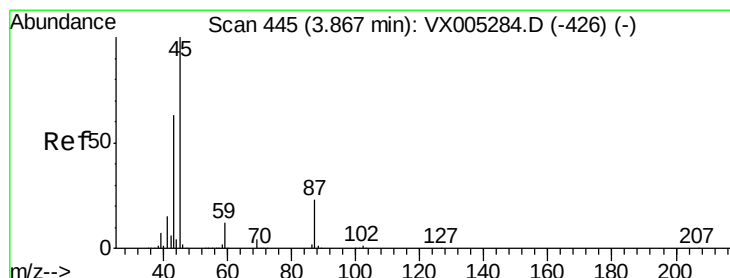
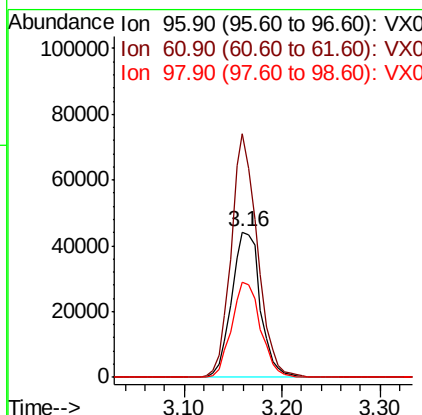
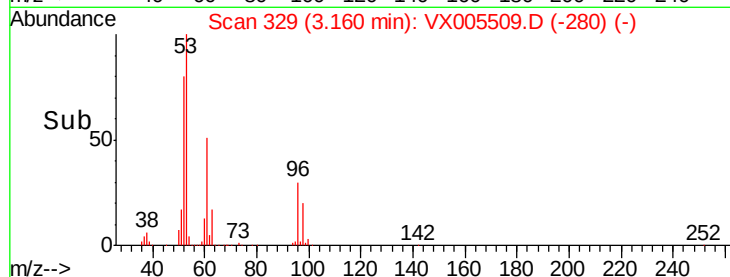
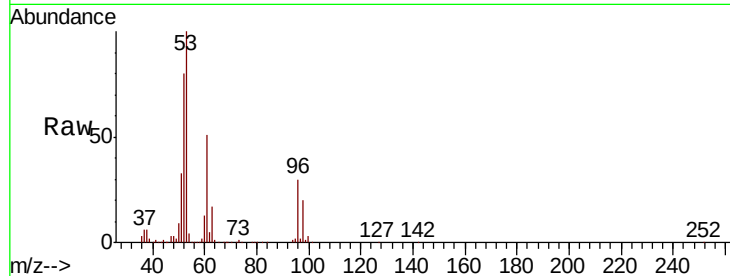
ClientSampleId :

RAV-GT104MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 90327 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 167.4 | 113.8 | 170.6 |
| 98       | 65.7  | 51.8  | 77.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/23/2018 1:28:14 PM



#22

Diisopropyl ether

Concen: 54.858 ug/l

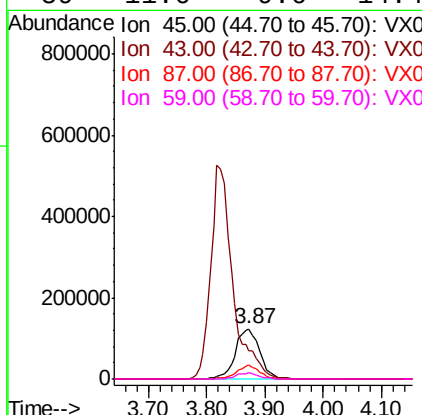
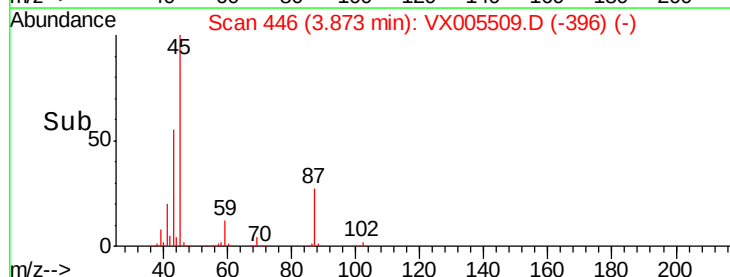
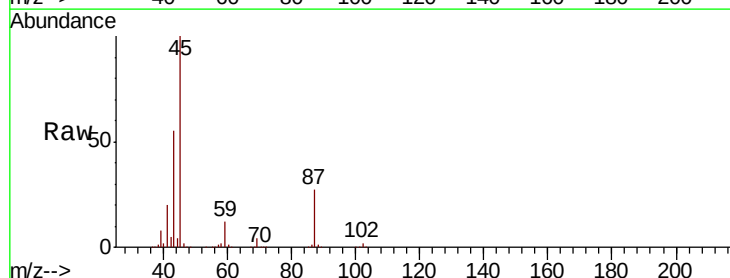
RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

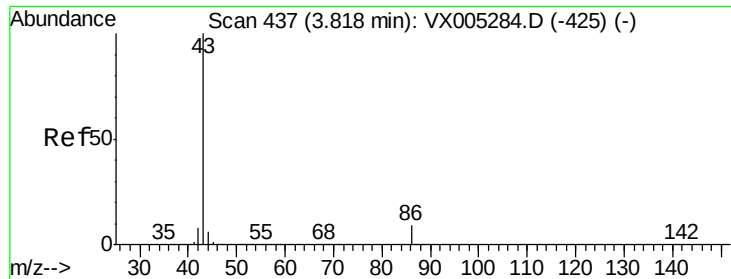
Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 359112 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.8  | 42.8  | 64.2   |
| 87       | 27.3  | 22.6  | 34.0   |
| 59       | 11.6  | 9.6   | 14.4   |







#23

Vinyl Acetate

Concen: 240.910 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 43 Resp: 1378384

Ion Ratio Lower Upper

43 100

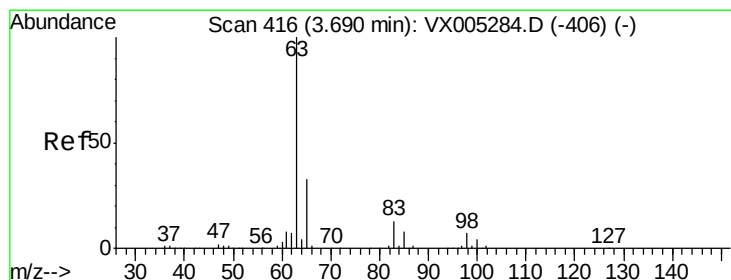
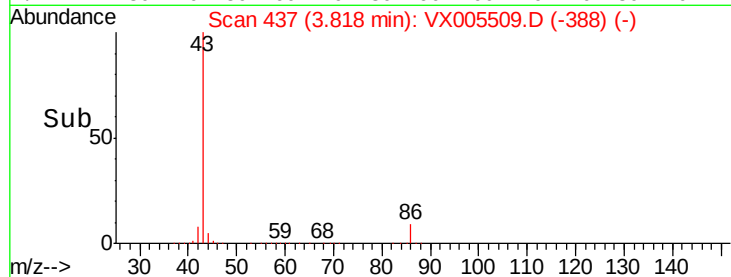
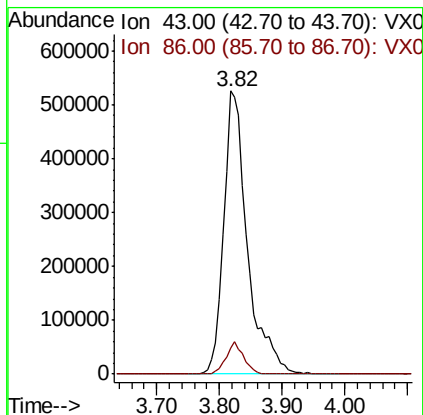
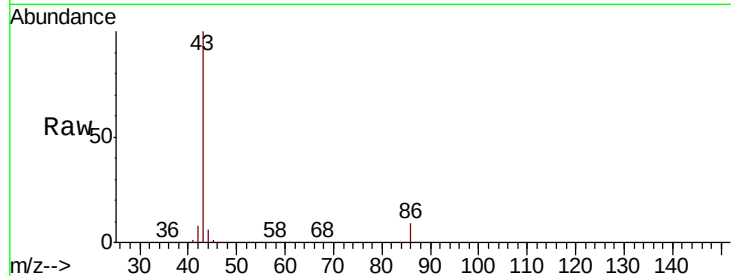
86 9.0 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.832 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

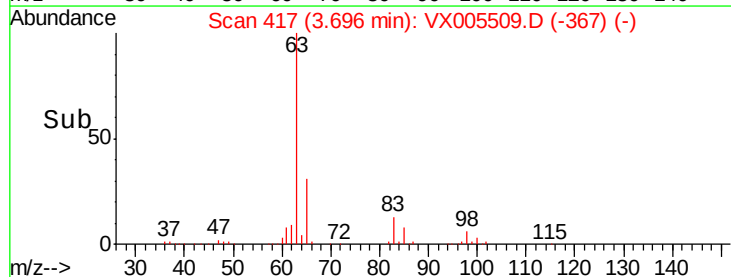
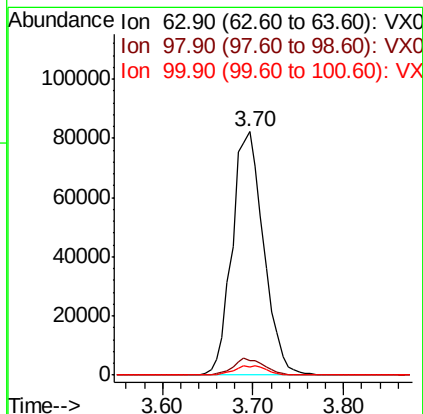
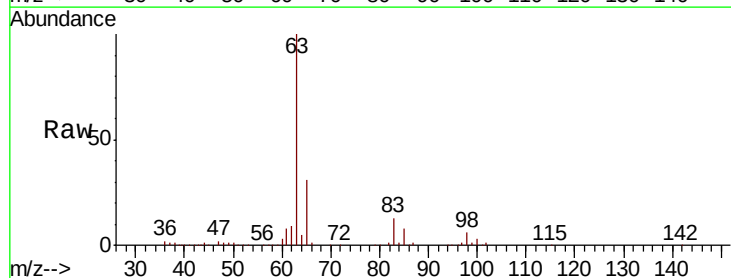
Tgt Ion: 63 Resp: 198211

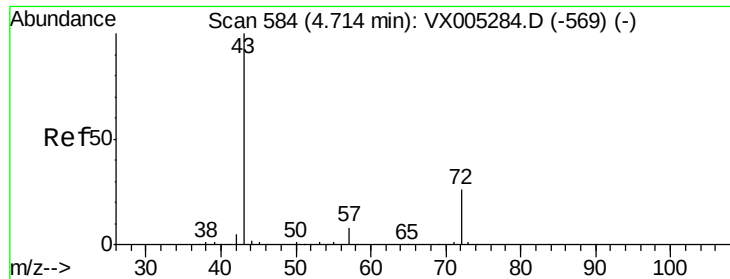
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

100 3.4 2.4 7.1





#25

2-Butanone

Concen: 269.207 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 43 Resp: 512287

Ion Ratio Lower Upper

43 100

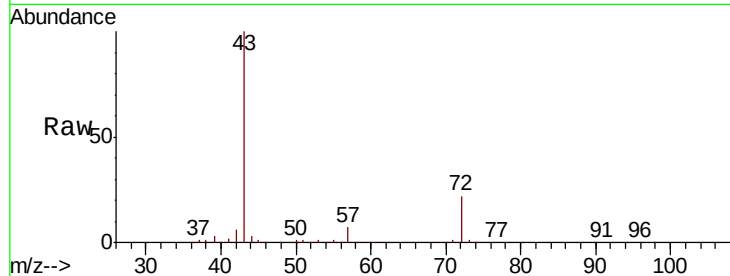
72 21.8 22.0 33.0#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200000

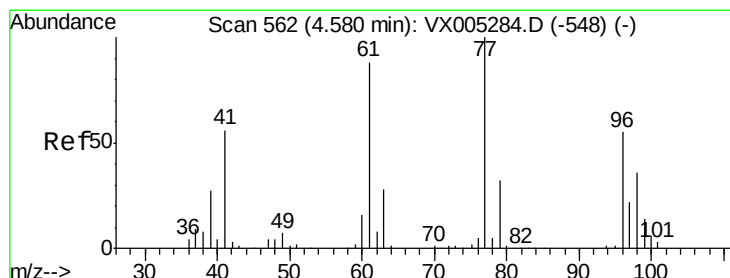
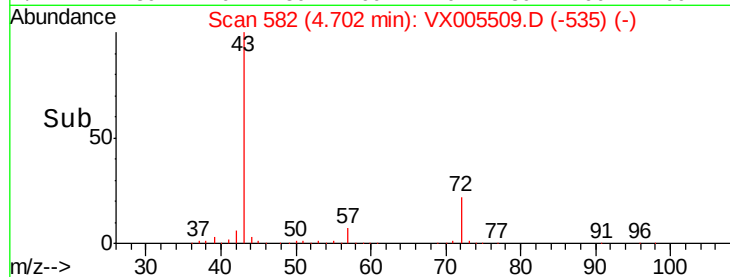
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 32.344 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005509.D

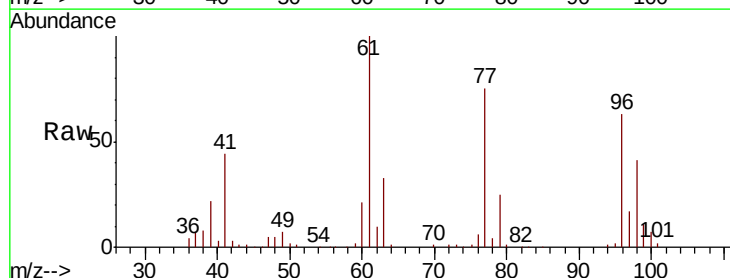
Acq: 23 Oct 2018 09:26

Tgt Ion: 77 Resp: 90752

Ion Ratio Lower Upper

77 100

97 24.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

30000

25000

20000

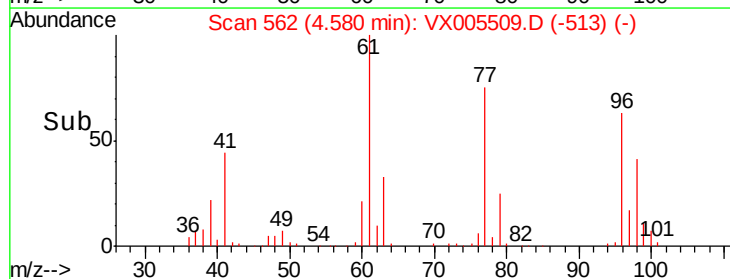
15000

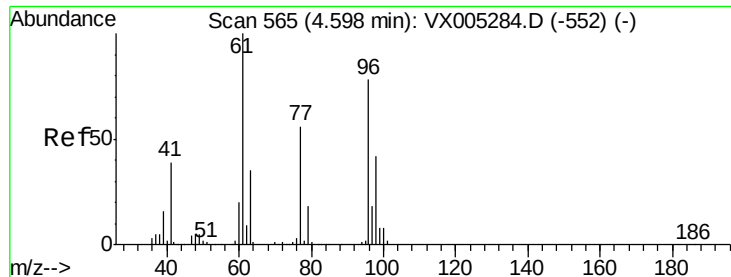
10000

5000

0

Time-->





#27

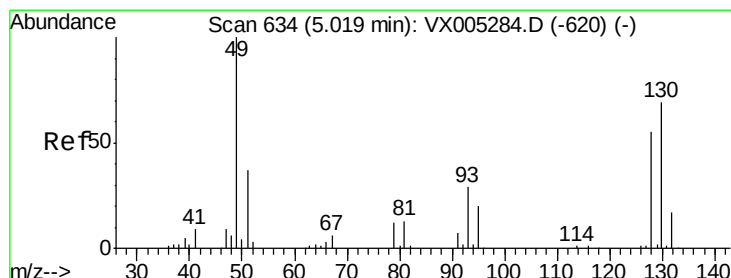
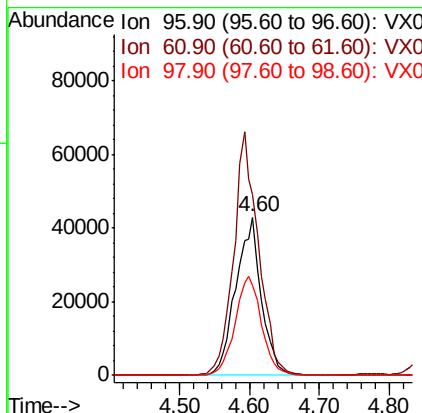
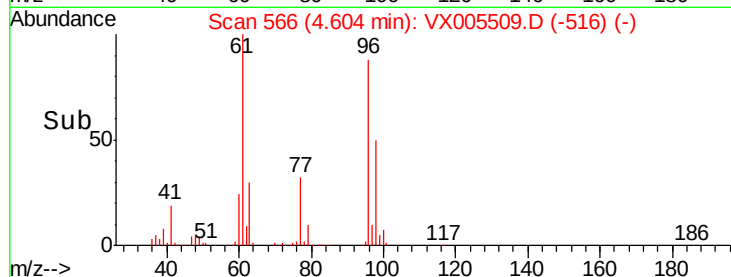
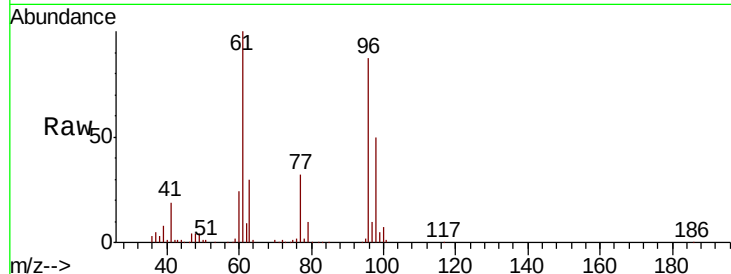
cis-1,2-Dichloroethene  
 Concen: 50.697 ug/l  
 RT: 4.60 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 149.2 | 0.0  | 282.6 |       |
| 98      | 64.7  | 0.0  | 130.2 |       |

Manual Integrations  
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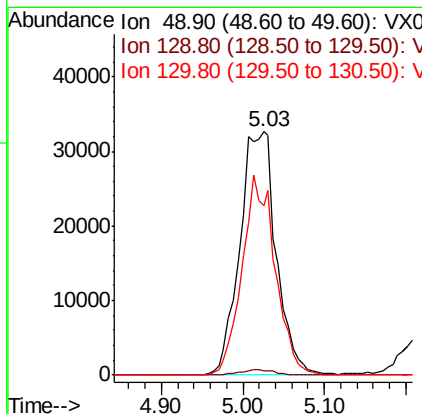
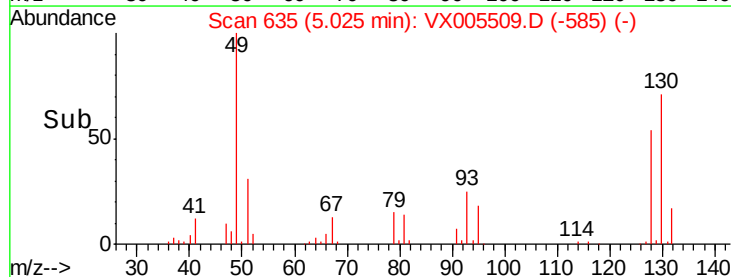
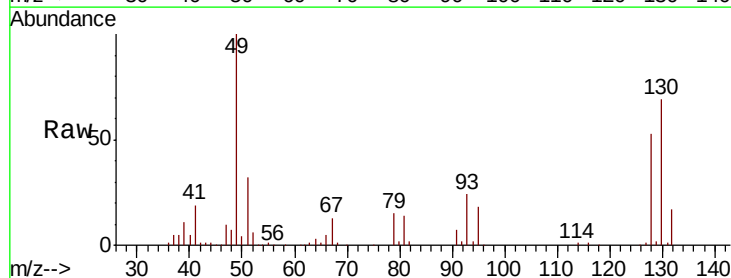
MMDadoda  
 10/23/2018 1:28:14 PM

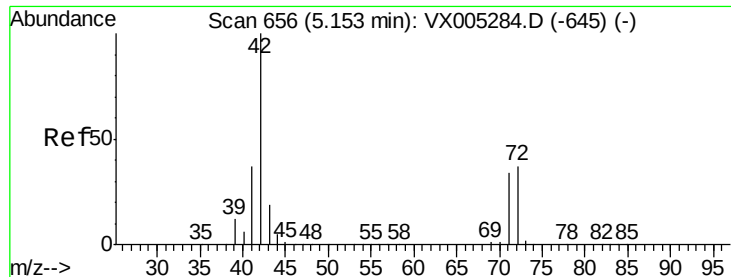


#28

Bromochloromethane  
 Concen: 59.327 ug/l  
 RT: 5.03 min Scan# 635  
 Delta R.T. 0.01 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.0   | 0.0  | 4.2   |       |
| 130     | 74.5  | 67.5 | 101.3 |       |





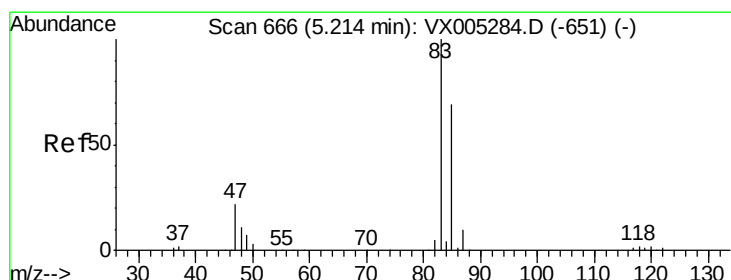
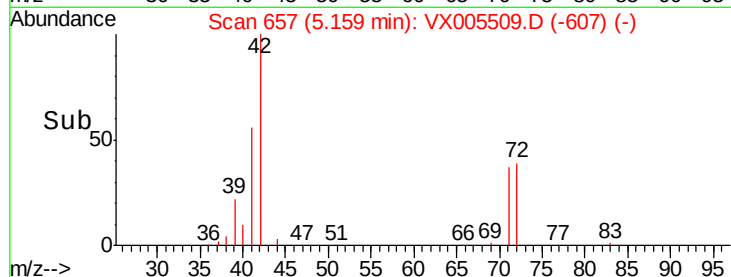
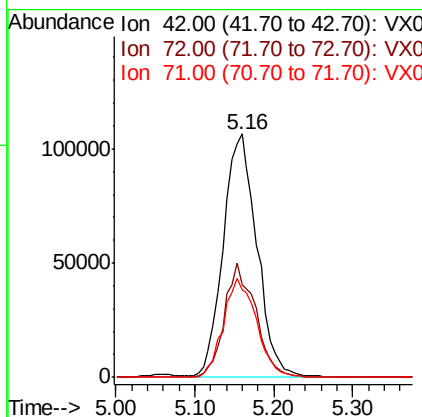
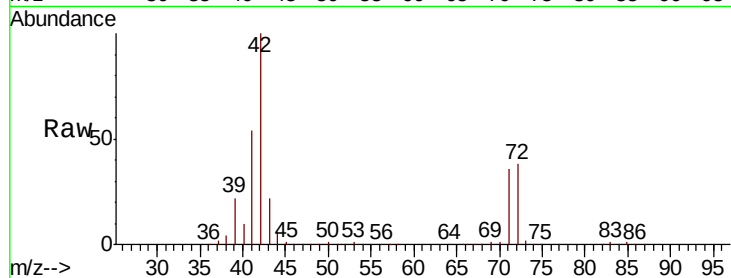
#29  
Tetrahydrofuran  
Concen: 259.866 ug/l  
RT: 5.16 min Scan# 657  
Delta R.T. 0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.3  | 37.4  | 56.0  |
| 71      | 39.9  | 34.5  | 51.7  |

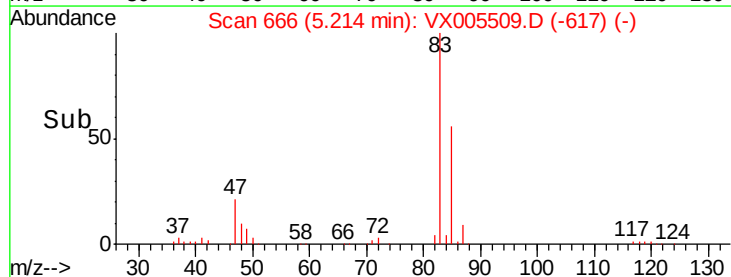
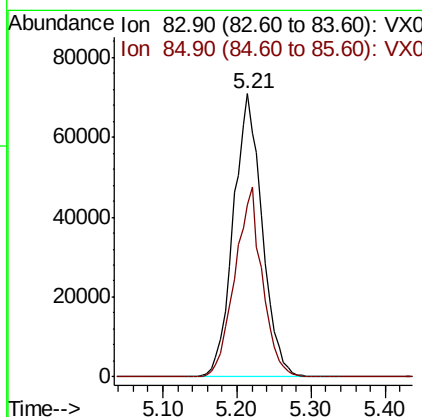
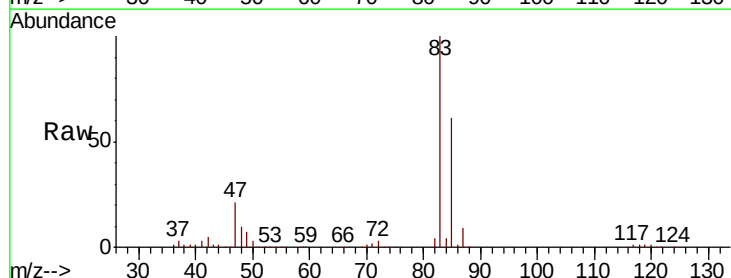
Manual Integrations  
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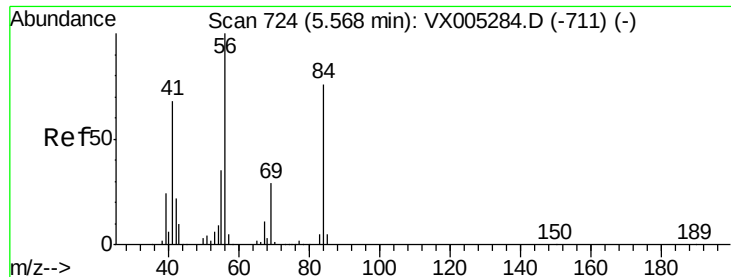
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#30  
Chloroform  
Concen: 55.173 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 60.6  | 52.6  | 79.0  |





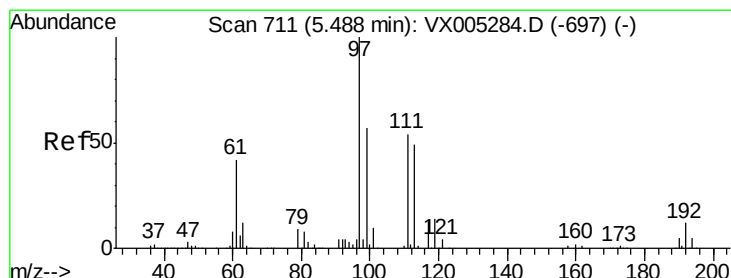
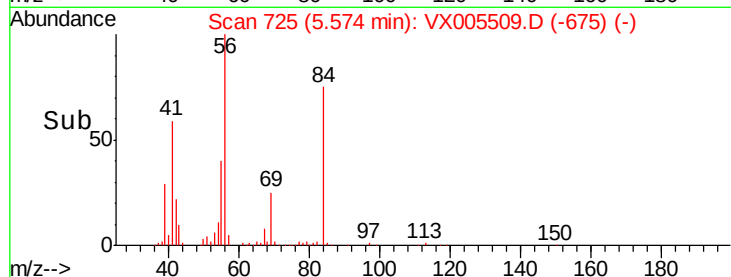
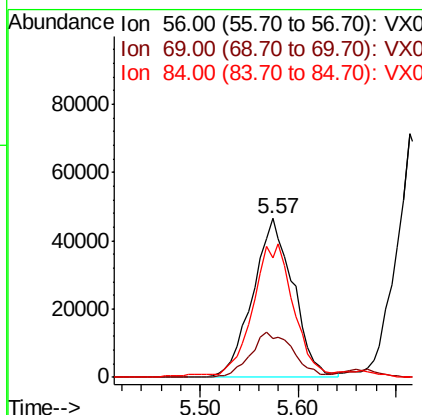
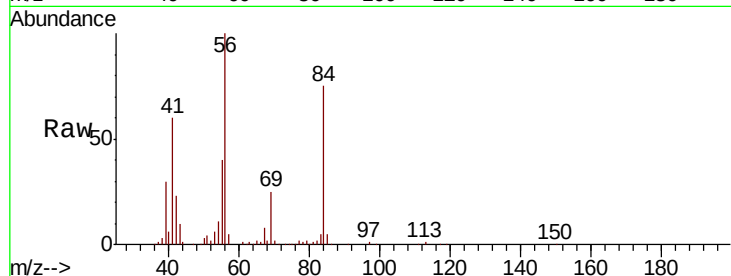
#31  
Cyclohexane  
Concen: 43.501 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. 0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 24.8  | 25.4  | 38.2# |
| 84      | 72.9  | 71.4  | 107.2 |

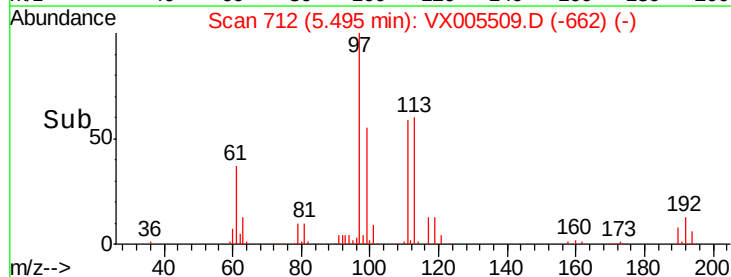
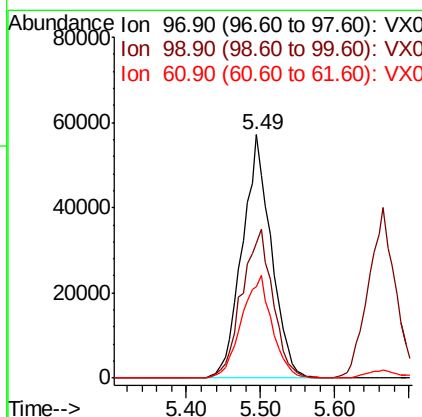
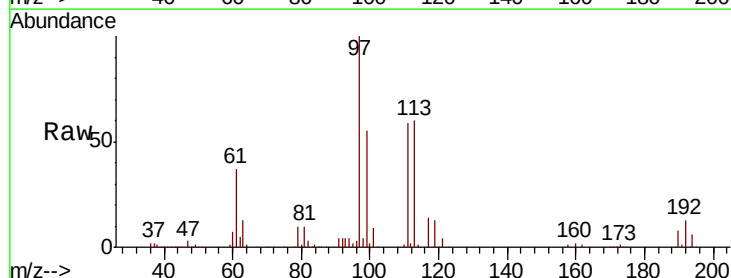
Manual Integrations  
APPROVED

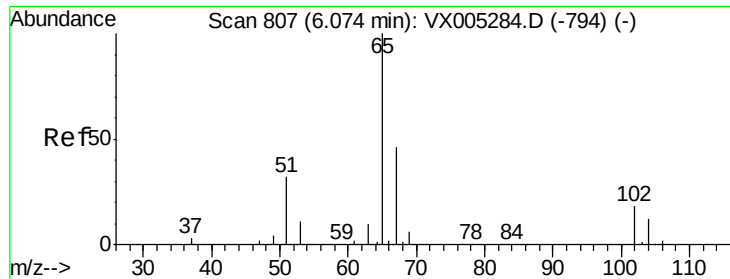
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#32  
1,1,1-Trichloroethane  
Concen: 51.661 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. 0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.3  | 52.0  | 78.0  |
| 61      | 44.2  | 34.9  | 52.3  |





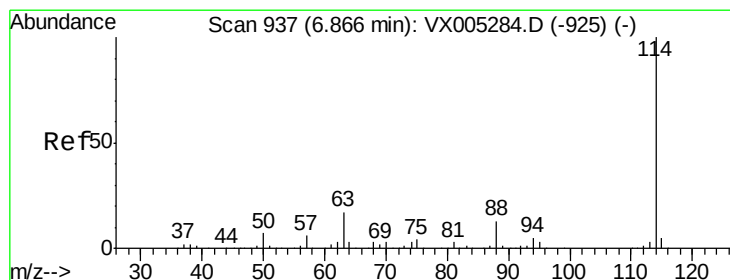
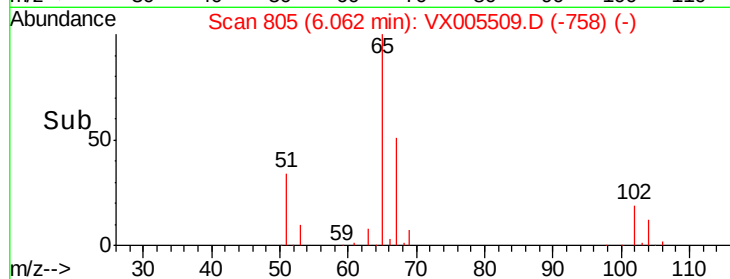
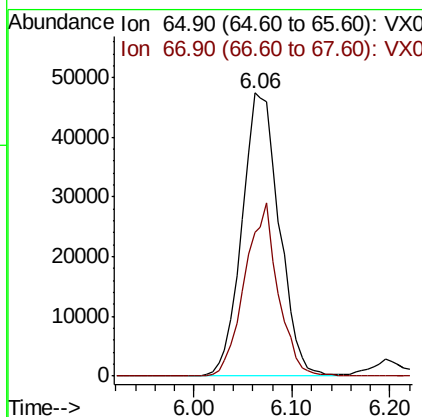
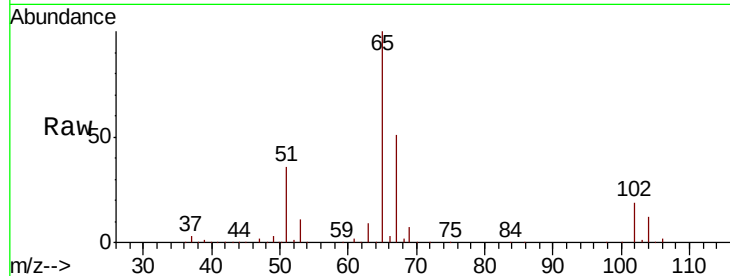
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.687 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.6  | 0.0   | 106.8 |

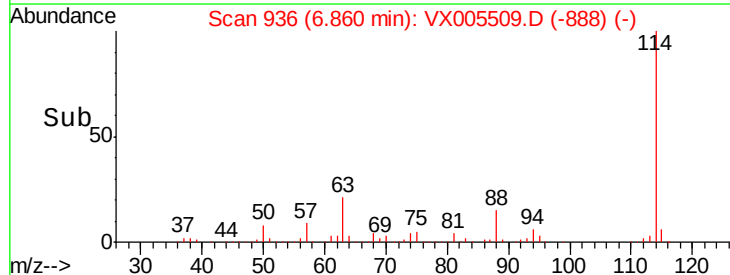
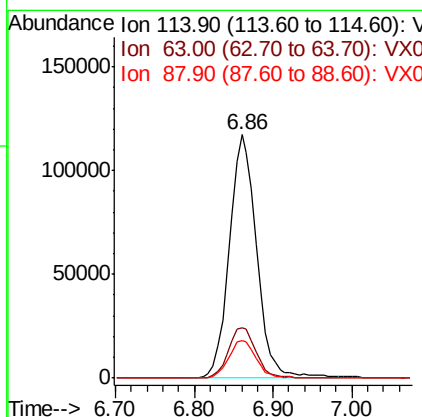
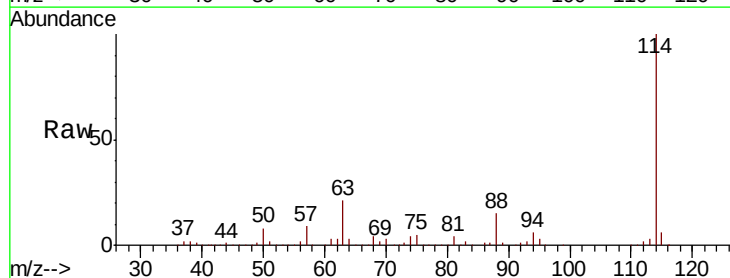
Manual Integrations  
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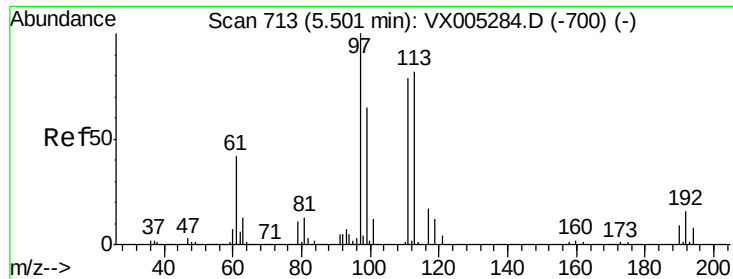
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.8  | 0.0   | 39.0  |
| 88      | 15.4  | 0.0   | 30.4  |





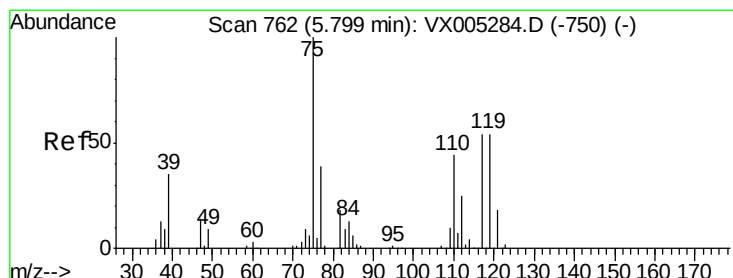
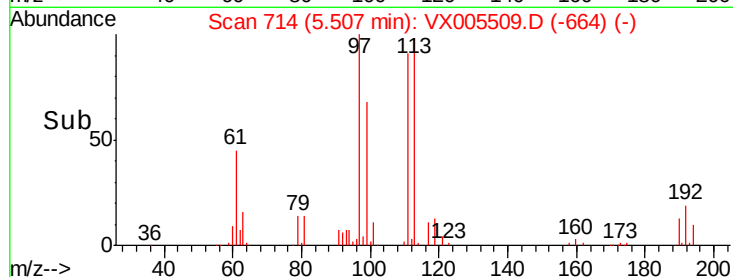
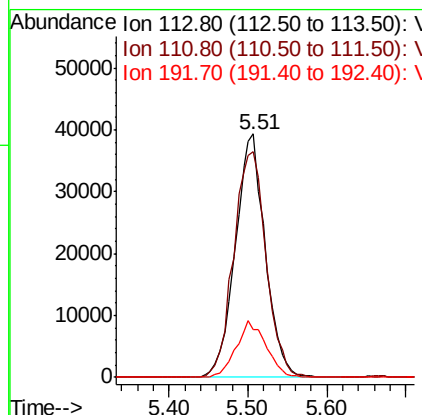
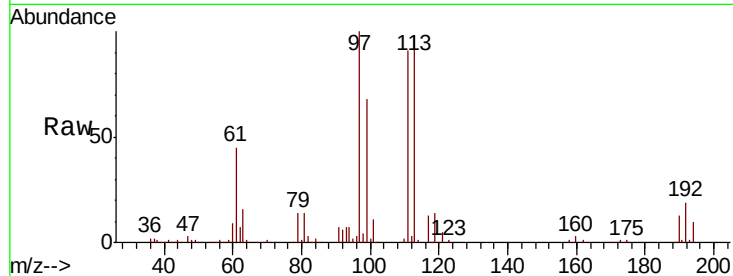
#35  
Dibromofluoromethane  
Concen: 55.690 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 103866 |       |       |
| 111     | 100.6 | 82.4   | 123.6 |       |
| 192     | 23.2  | 19.4   | 29.2  |       |

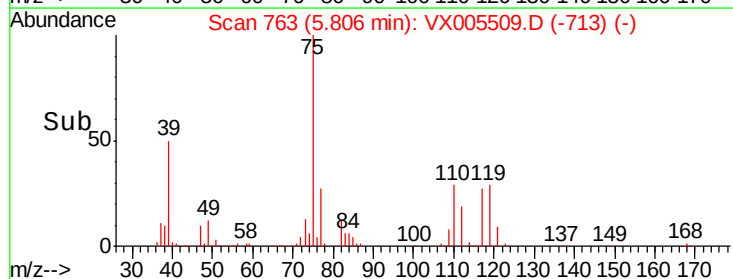
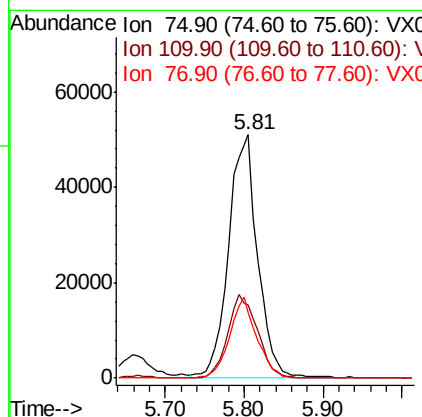
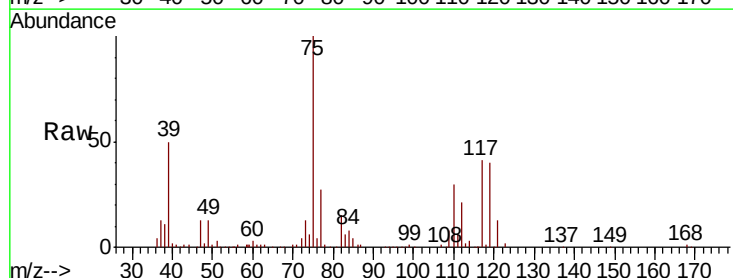
Manual Integrations  
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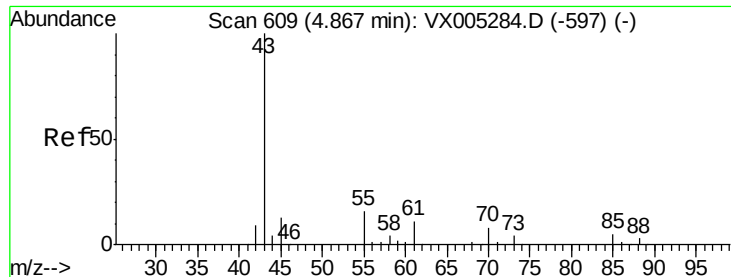
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 47.457 ug/l  
RT: 5.81 min Scan# 763  
Delta R.T. 0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 129427 |       |       |
| 110     | 35.6  | 18.0   | 54.0  |       |
| 77      | 31.9  | 24.6   | 36.8  |       |





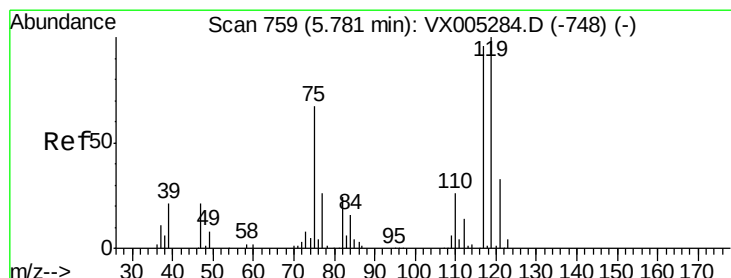
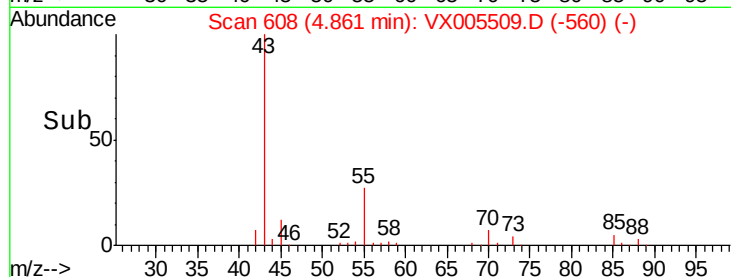
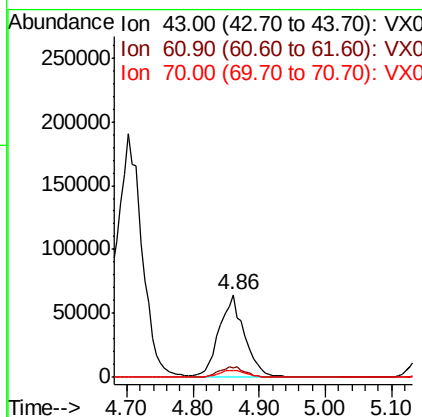
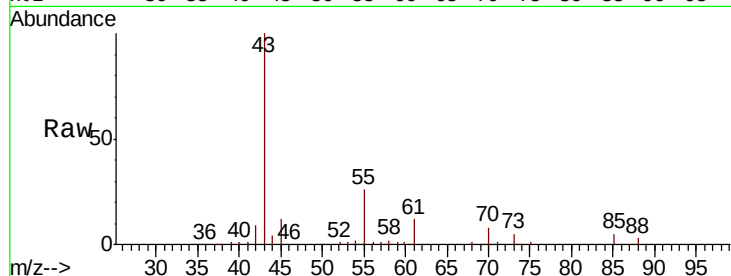
#37  
Ethyl Acetate  
Concen: 48.859 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.5  | 11.5  | 17.3  |
| 70      | 9.8   | 9.0   | 13.6  |

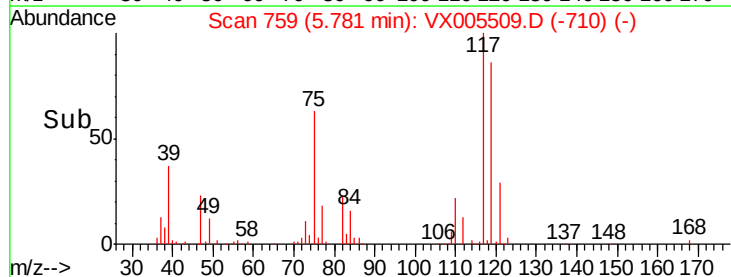
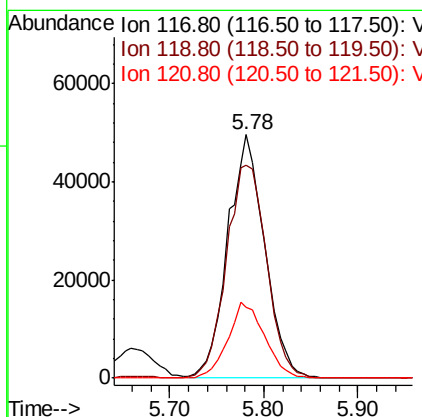
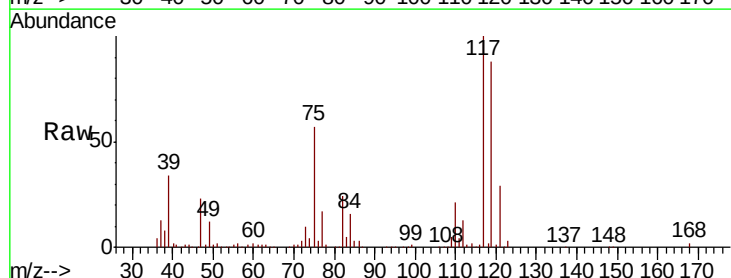
Manual Integrations  
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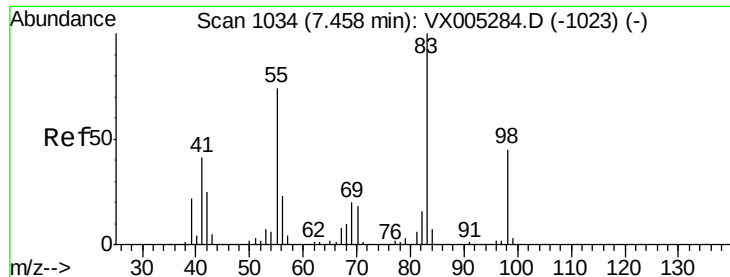


#38  
Carbon Tetrachloride  
Concen: 49.217 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 87.6  | 78.8  | 118.2 |
| 121     | 29.2  | 24.9  | 37.3  |







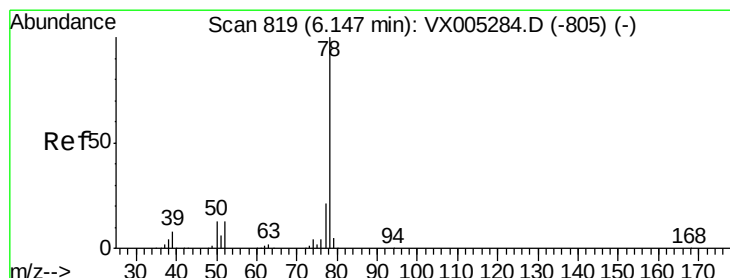
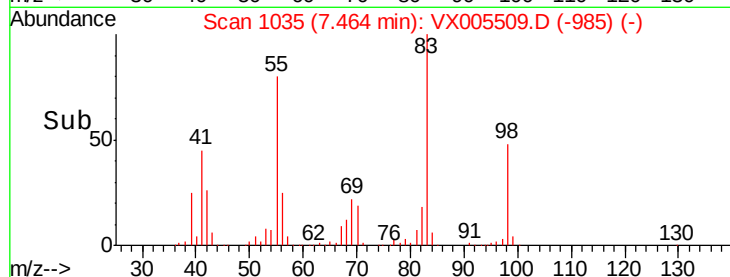
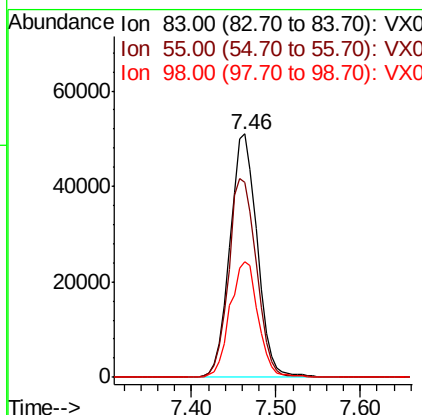
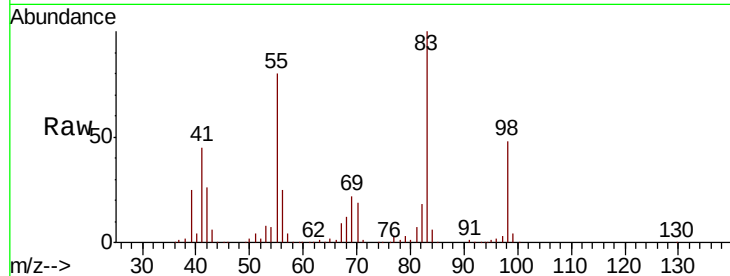
#39  
Methylvlcyclohexane  
Concen: 38.064 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.0  | 61.0  | 91.4  |
| 98      | 47.6  | 39.6  | 59.4  |

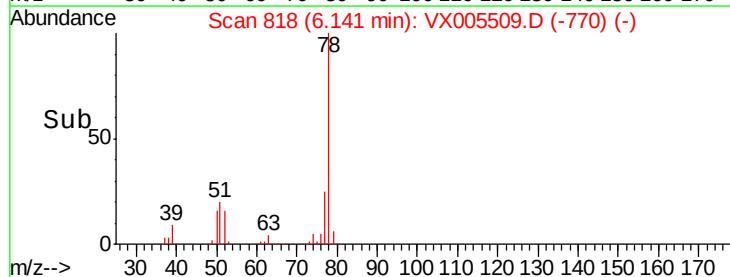
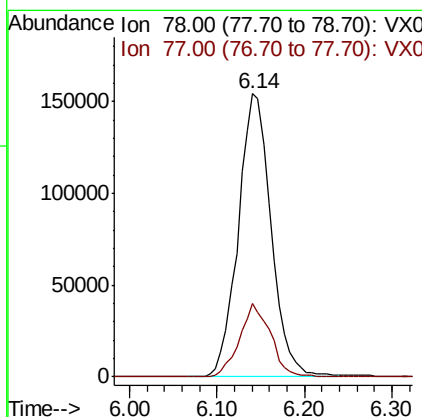
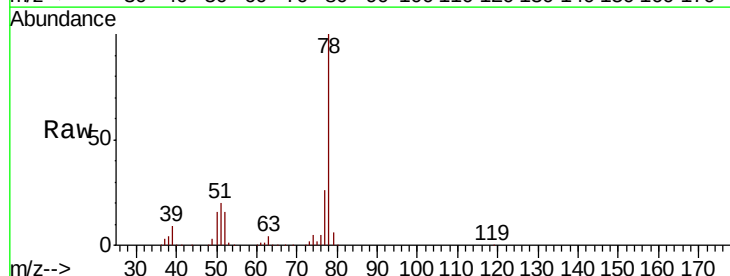
Manual Integrations  
APPROVED

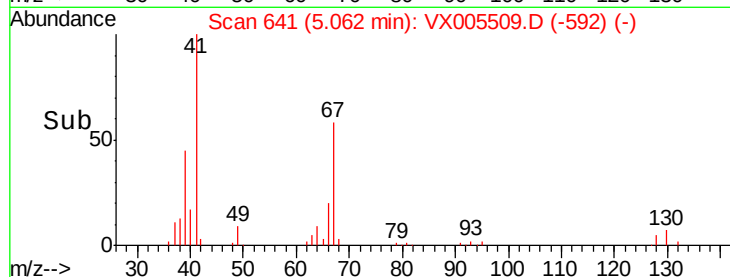
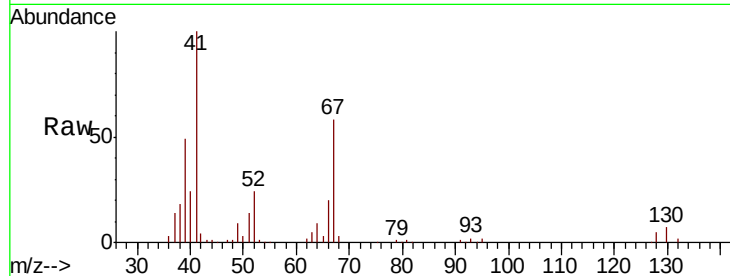
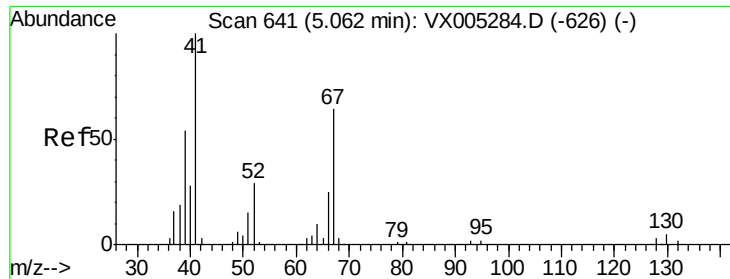
MMDadoda  
10/23/2018 1:28:14 PM



#40  
Benzene  
Concen: 49.144 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.8  | 19.0  | 28.4  |





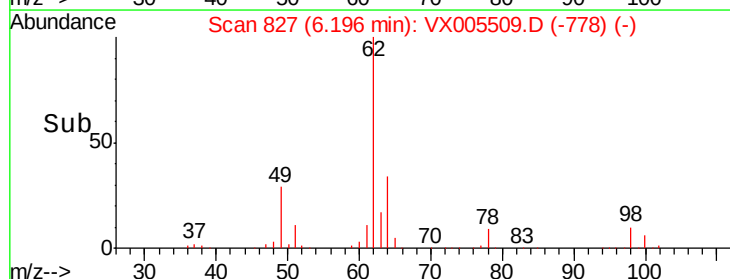
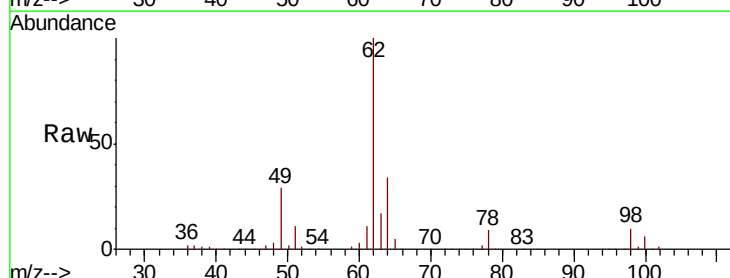
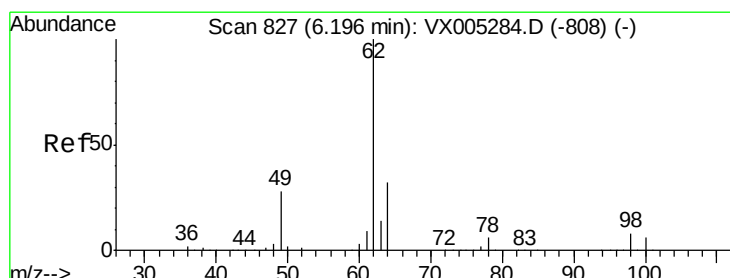
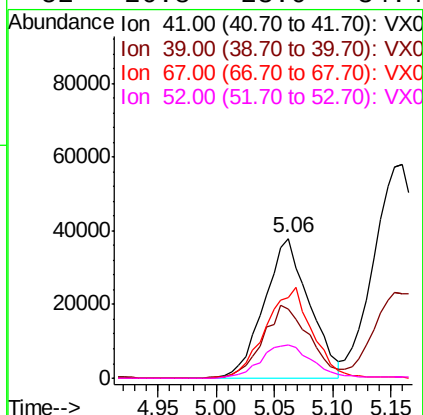
#41  
Methacrylonitrile  
Concen: 54.077 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.0 | 42.4  | 63.6  |       |
| 67      | 67.6 | 59.2  | 88.8  |       |
| 52      | 26.8 | 23.0  | 34.4  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

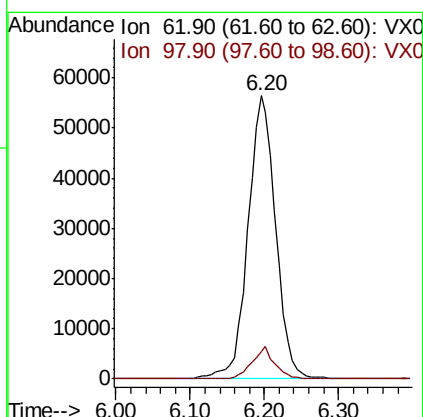
Manual Integrations  
APPROVED

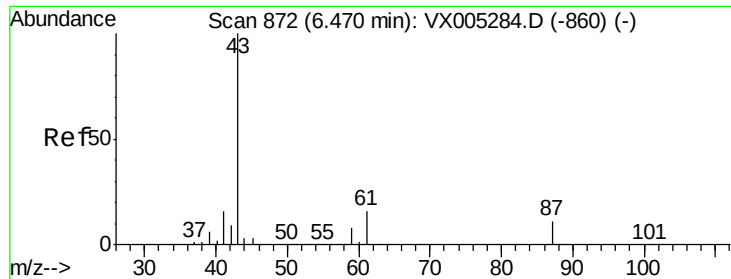
MMDadoda  
10/23/2018 1:28:14 PM



#42  
1,2-Dichloroethane  
Concen: 50.778 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.3 | 0.0   | 20.6  |       |





#43

Isopropyl Acetate

Concen: 56.216 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

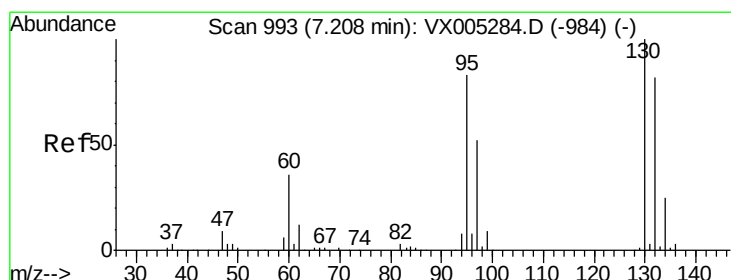
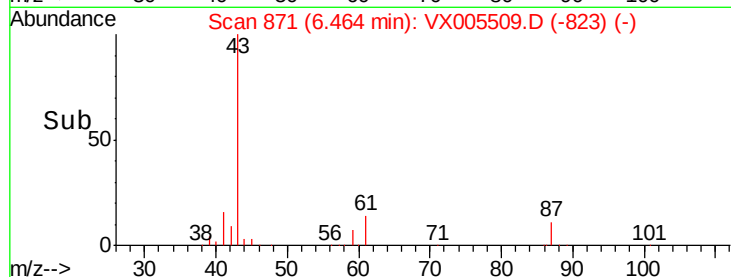
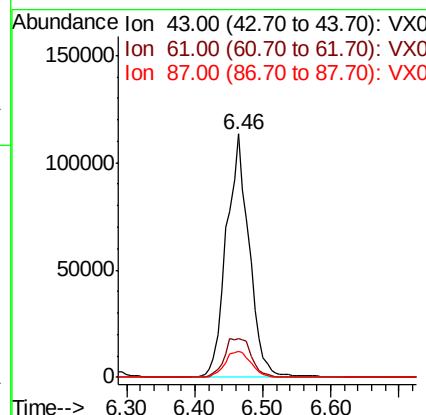
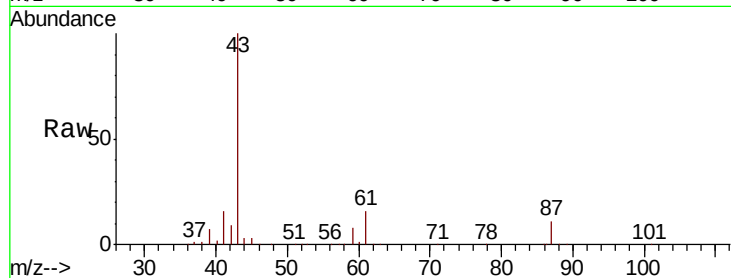
ClientSampleId :

RAV-GT104MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 262645 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.2  | 17.0  | 25.4   |
| 87       | 12.0  | 11.4  | 17.2   |

Manual Integrations  
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10/23/2018 1:28:14 PM



#44

Trichloroethene

Concen: 48.017 ug/l

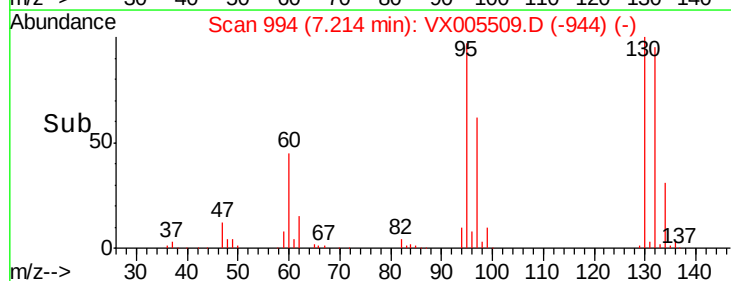
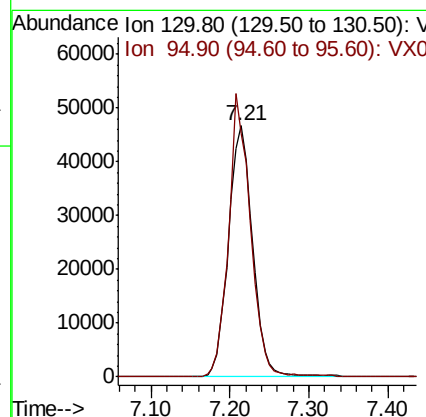
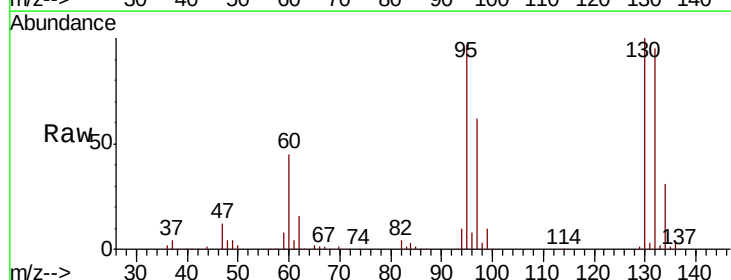
RT: 7.21 min Scan# 994

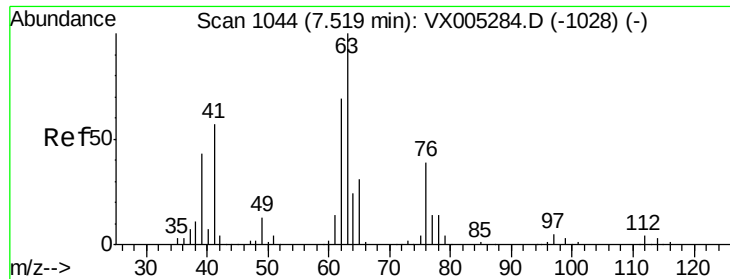
Delta R.T. 0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 100356 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.8  | 0.0   | 181.6  |





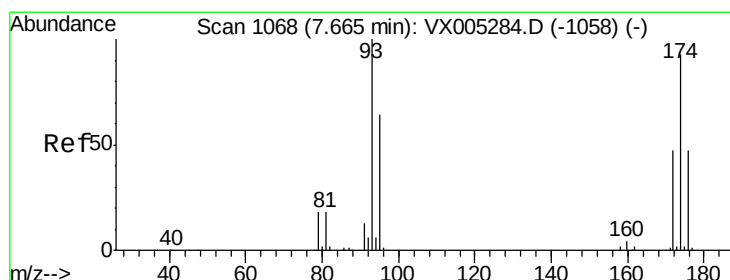
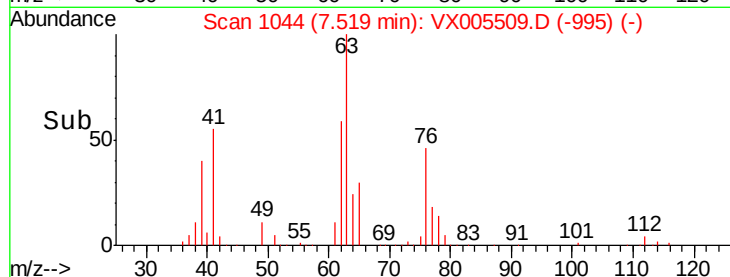
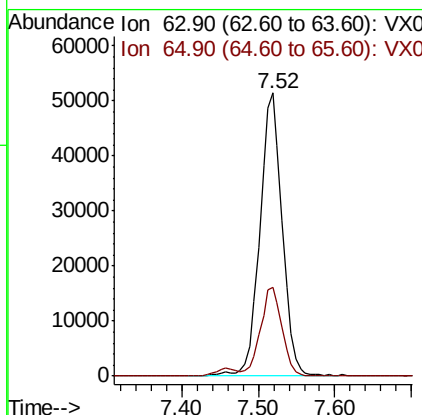
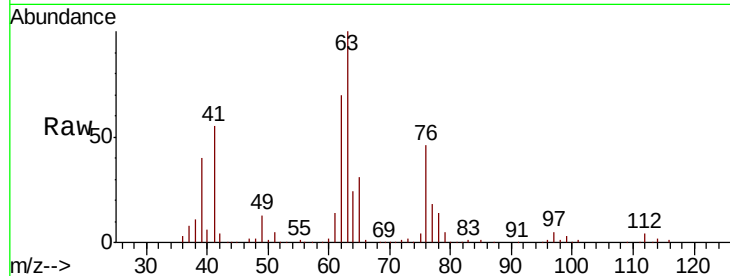
#45  
 1,2-Dichloropropane  
 Concen: 52.502 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. 0.00 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MS

Tot Ion: 63 Resp: 105362  
 Ion Ratio Lower Upper  
 63 100  
 65 31.3 24.3 36.5

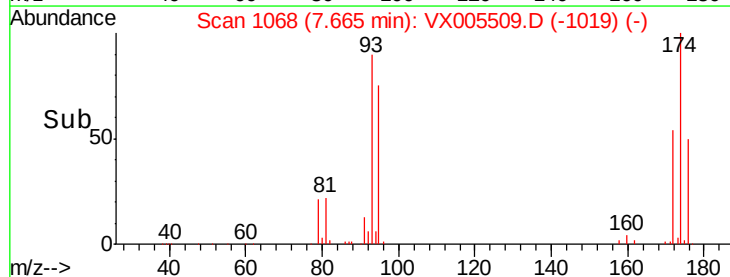
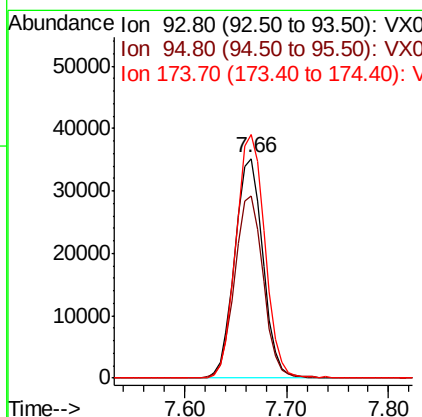
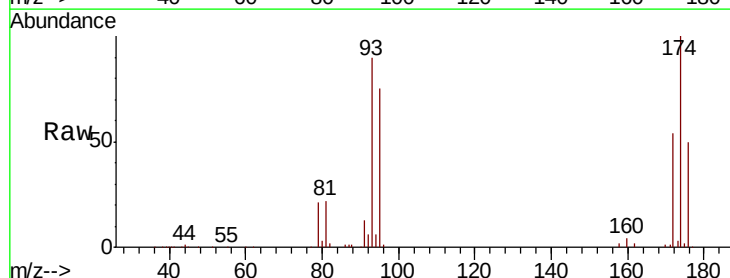
Manual Integrations  
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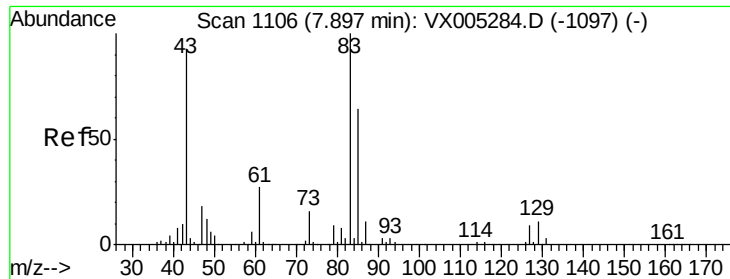
MMDadoda  
 10/23/2018 1:28:14 PM



#46  
 Dibromomethane  
 Concen: 50.931 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. 0.00 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

Tgt Ion: 93 Resp: 67460  
 Ion Ratio Lower Upper  
 93 100  
 95 83.6 65.5 98.3  
 174 113.6 94.2 141.4





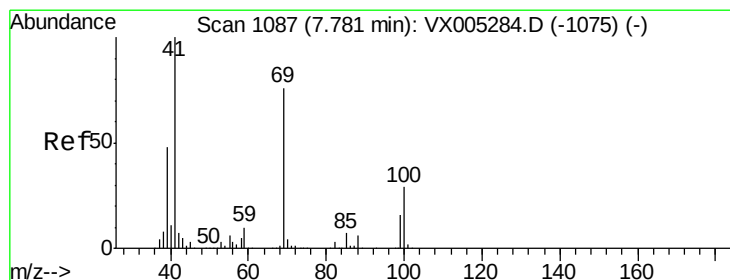
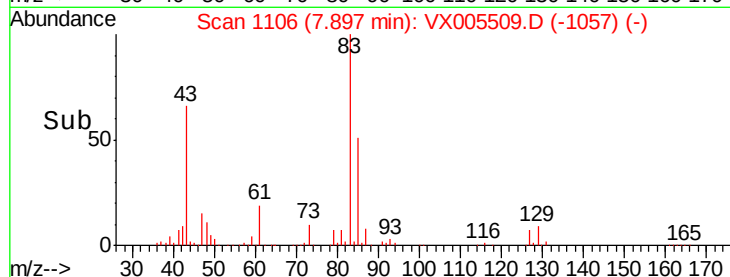
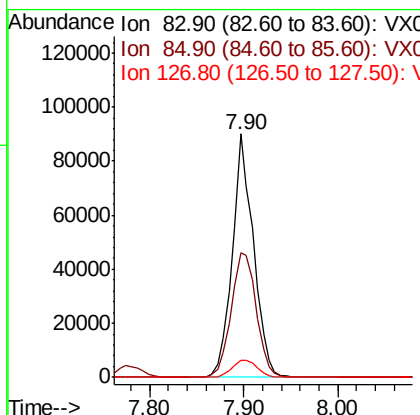
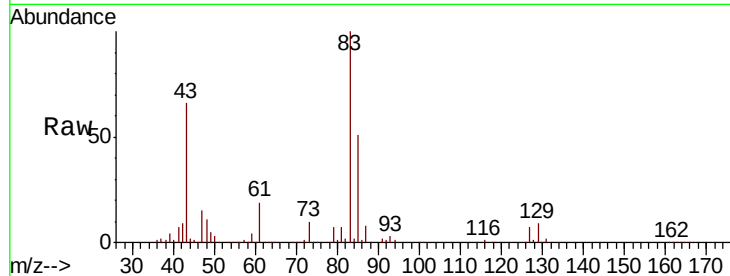
#47  
Bromodichloromethane  
Concen: 57.246 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 51.0  | 50.9  | 76.3  |
| 127     | 7.1   | 7.3   | 10.9  |

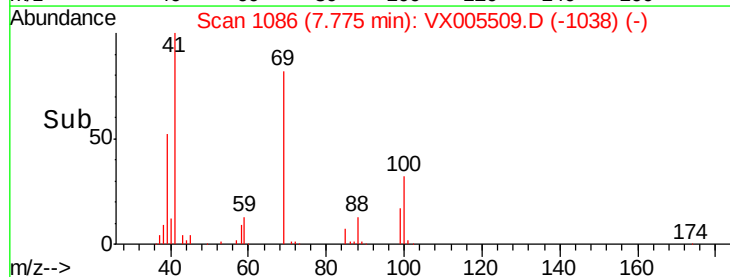
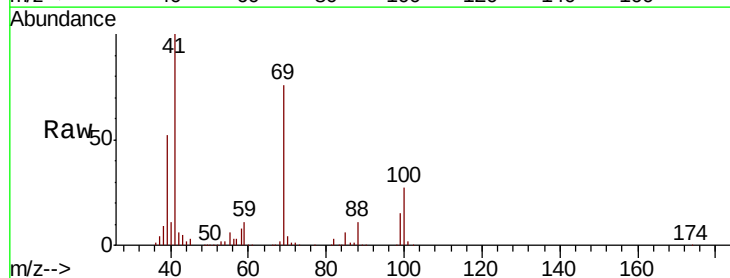
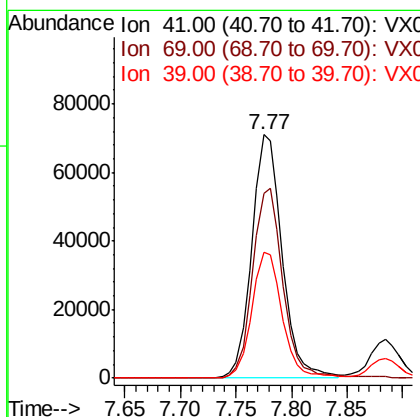
Manual Integrations  
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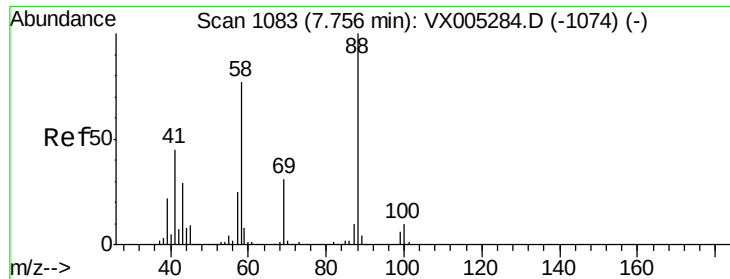
MMDadoda  
10/23/2018 1:28:14 PM



#48  
Methyl methacrylate  
Concen: 55.730 ug/l  
RT: 7.77 min Scan# 1086  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 78.8  | 70.2  | 105.4 |
| 39      | 51.8  | 42.7  | 64.1  |





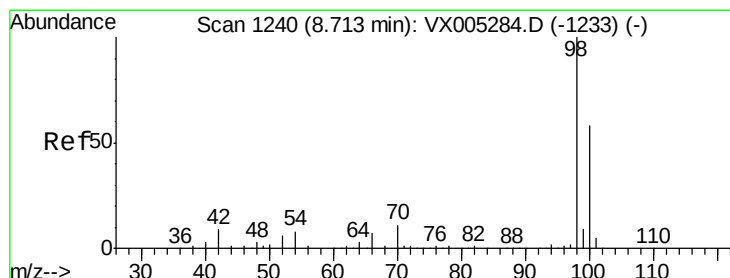
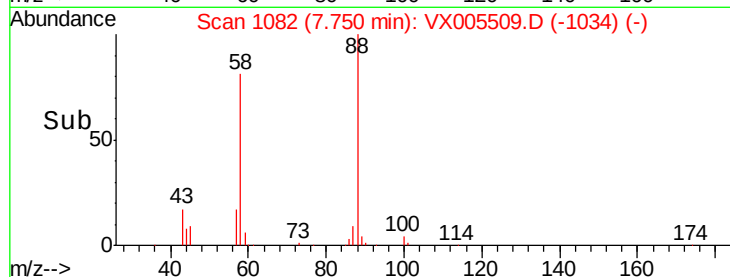
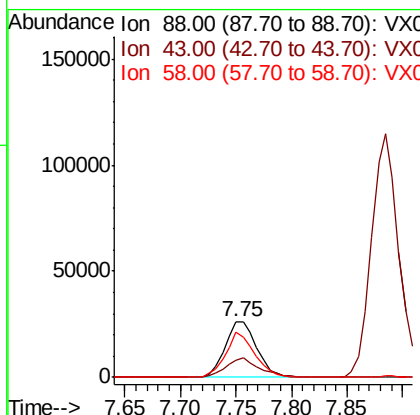
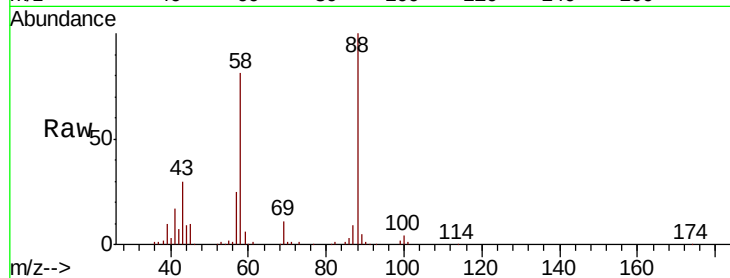
#49  
1,4-Dioxane  
Concen: 924.495 ug/l  
RT: 7.75 min Scan# 1082  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.9  | 24.7  | 37.1  |
| 58      | 75.3  | 55.3  | 82.9  |

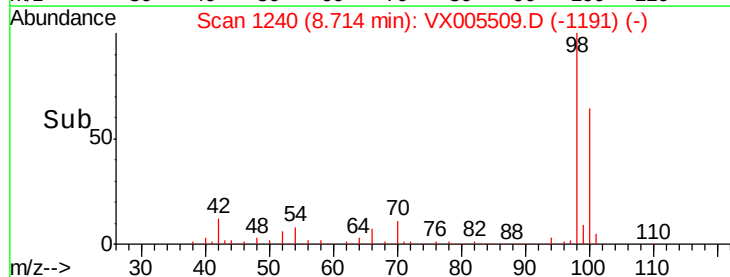
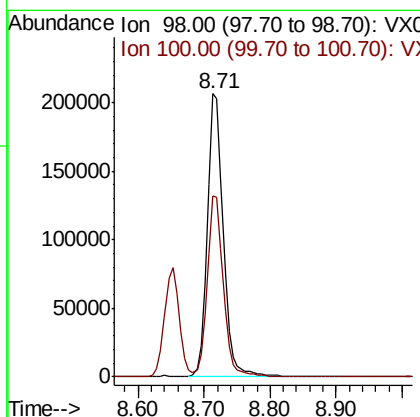
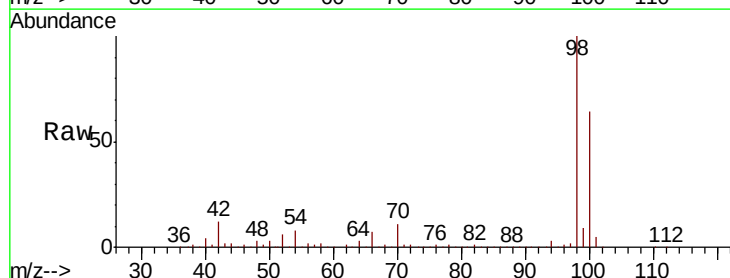
Manual Integrations  
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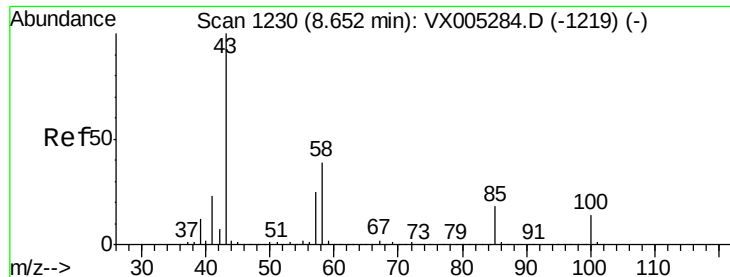
MMDadoda  
10/23/2018 1:28:14 PM



#50  
Toluene-d8  
Concen: 54.217 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 52.9  | 79.3  |





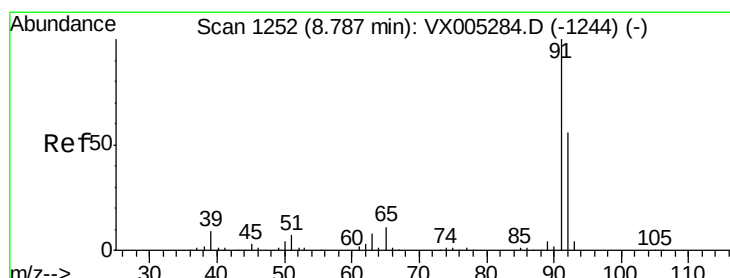
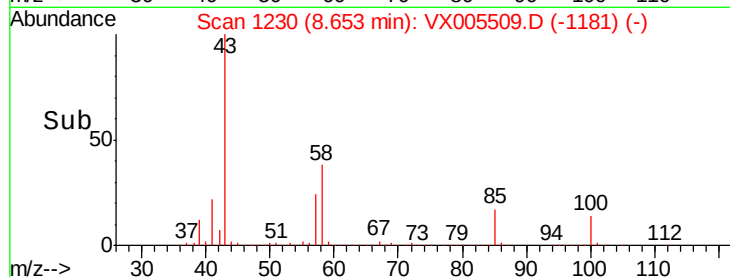
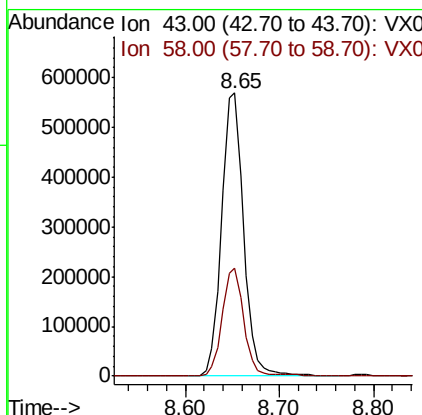
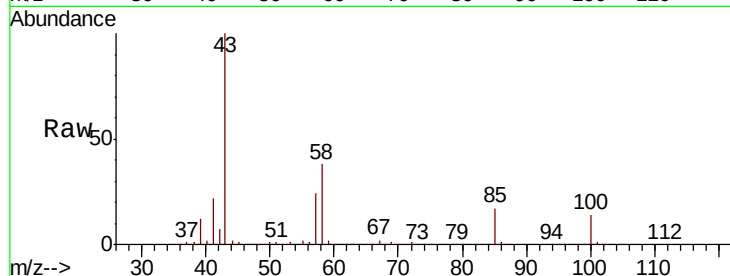
#51  
4-Methyl-2-Pentanone  
Concen: 285.108 ug/l  
RT: 8.65 min Scan# 1230  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion: 43 Resp: 922326  
Ion Ratio Lower Upper  
43 100  
58 37.7 33.1 49.7

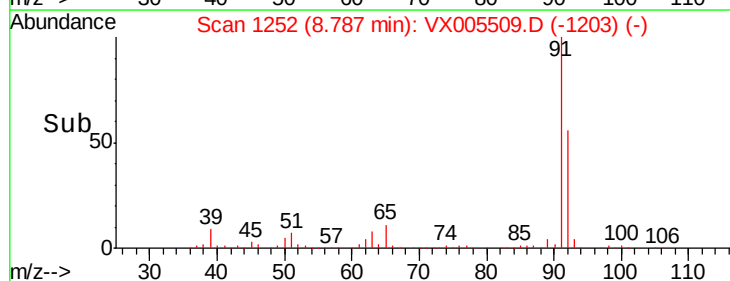
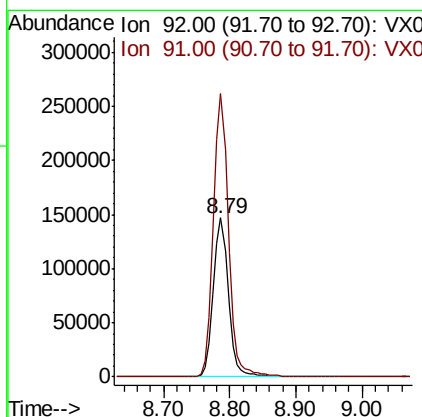
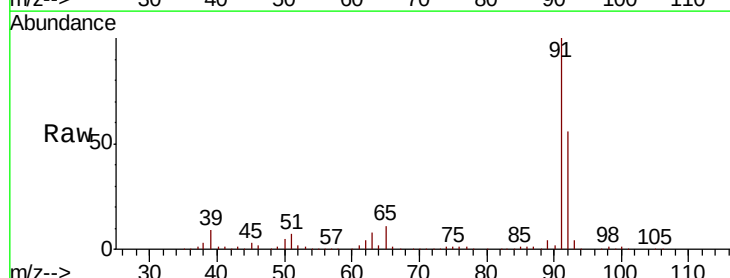
Manual Integrations  
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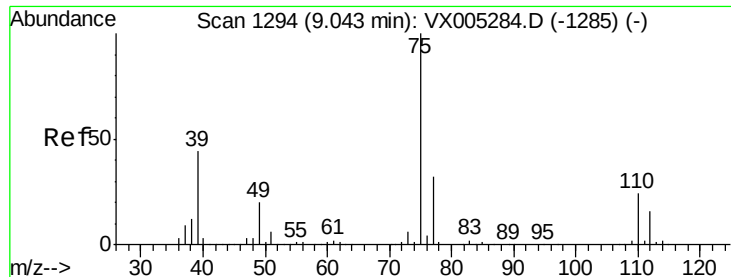
MMDadoda  
10/23/2018 1:28:14 PM



#52  
Toluene  
Concen: 52.259 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion: 92 Resp: 233905  
Ion Ratio Lower Upper  
92 100  
91 176.6 136.4 204.6





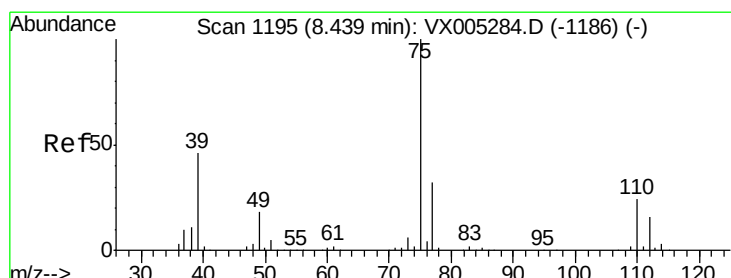
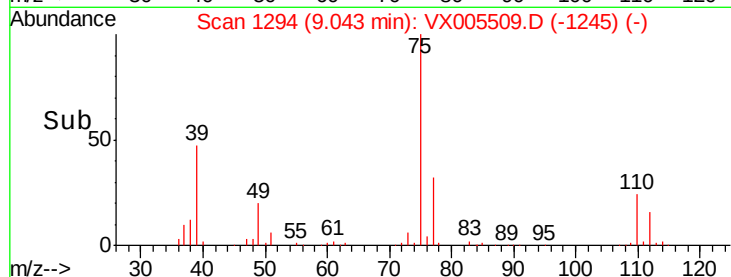
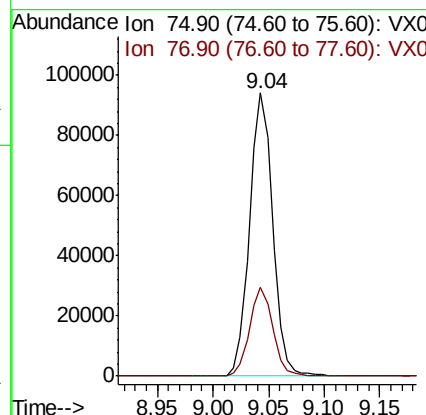
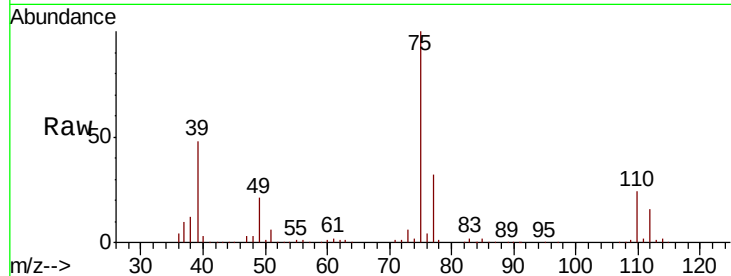
#53  
t-1,3-Dichloropropene  
Concen: 51.428 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion: 75 Resp: 136358  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.6 37.0

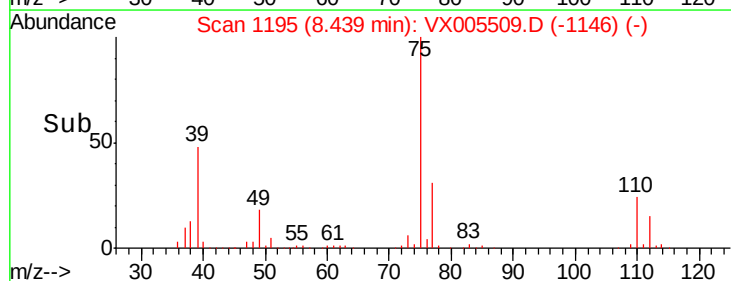
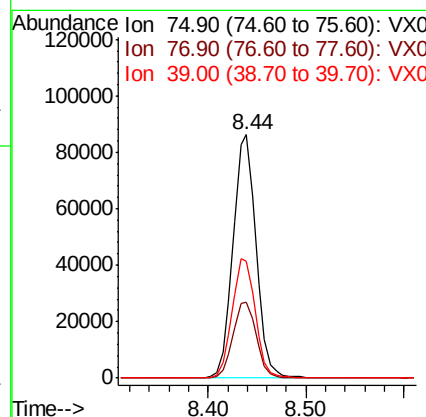
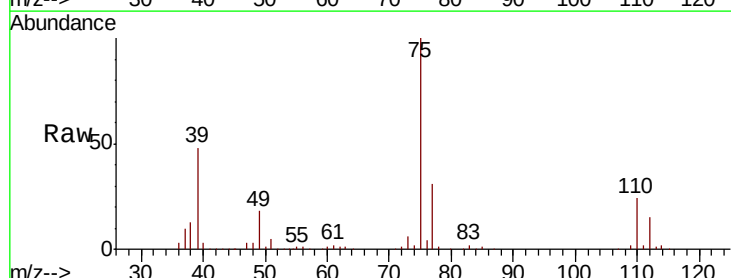
Manual Integrations  
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10/23/2018 1:28:14 PM

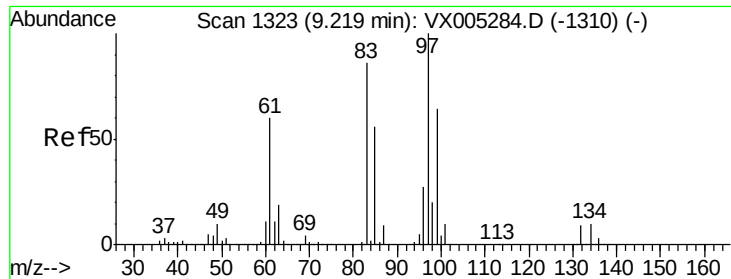


#54  
cis-1,3-Dichloropropene  
Concen: 49.147 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion: 75 Resp: 141195  
Ion Ratio Lower Upper  
75 100  
77 31.3 26.2 39.2  
39 48.1 36.4 54.6







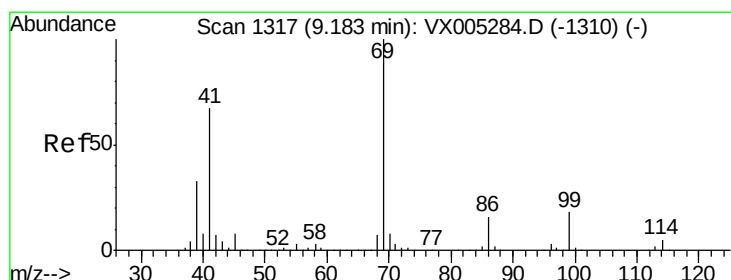
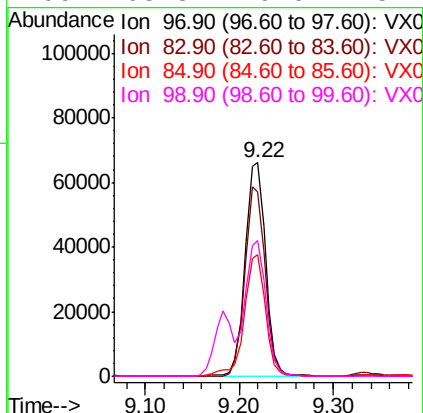
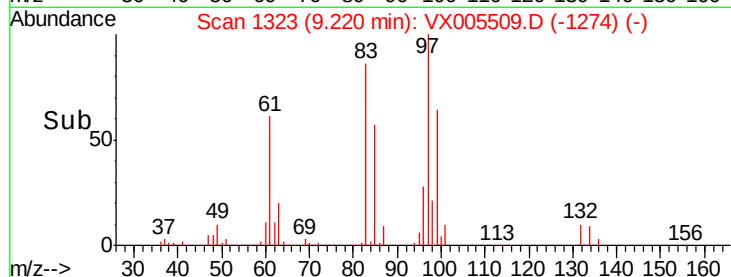
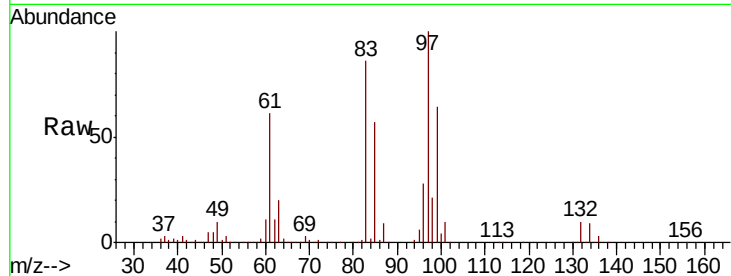
#55  
1,1,2-Trichloroethane  
Concen: 53.333 ug/l  
RT: 9.22 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 101107 |       |       |
| 83      | 86.4 | 66.4  | 99.6   |       |       |
| 85      | 56.7 | 43.3  | 64.9   |       |       |
| 99      | 63.8 | 49.0  | 73.4   |       |       |

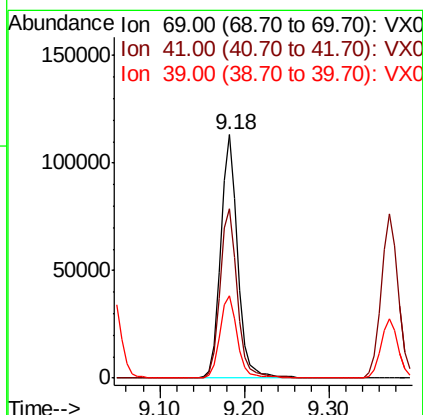
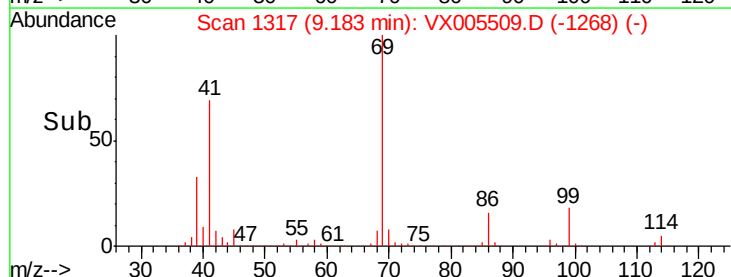
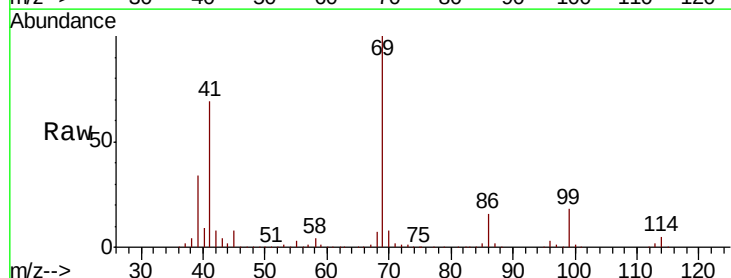
Manual Integrations  
APPROVED

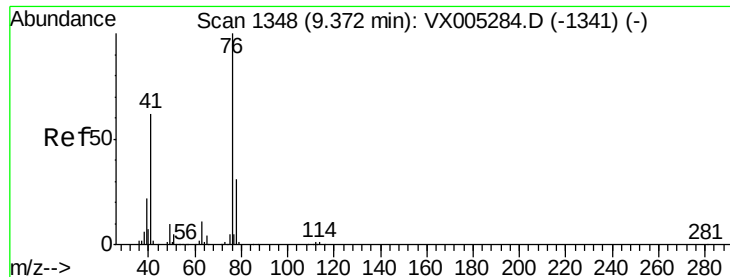
MMDadoda  
10/23/2018 1:28:14 PM



#56  
Ethyl methacrylate  
Concen: 57.148 ug/l  
RT: 9.18 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 157937 |       |       |
| 41      | 71.0 | 51.0  | 76.4   |       |       |
| 39      | 34.9 | 26.1  | 39.1   |       |       |





#57

1,3-Dichloropropane

Concen: 53.765 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 76 Resp: 170124

Ion Ratio Lower Upper

76 100

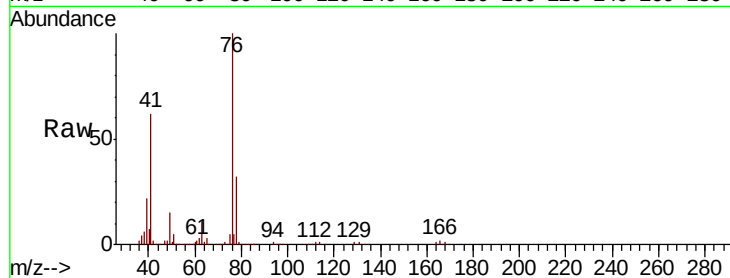
78 31.8 25.5 38.3

Manual Integrations

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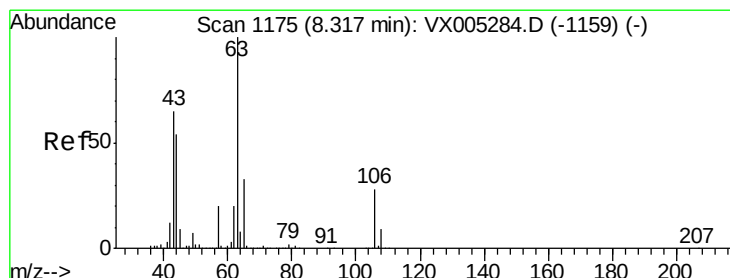
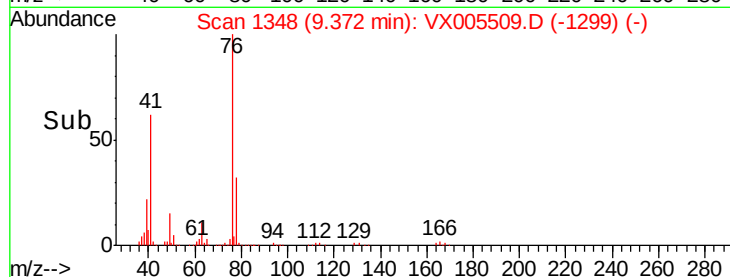
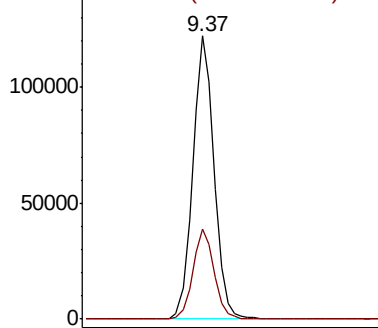
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 0.206 ug/l

RT: 8.29 min Scan# 1171

Delta R.T. -0.02 min

Lab File: VX005509.D

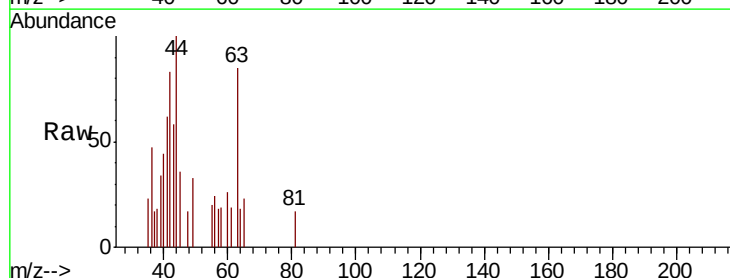
Acq: 23 Oct 2018 09:26

Tgt Ion: 63 Resp: 320

Ion Ratio Lower Upper

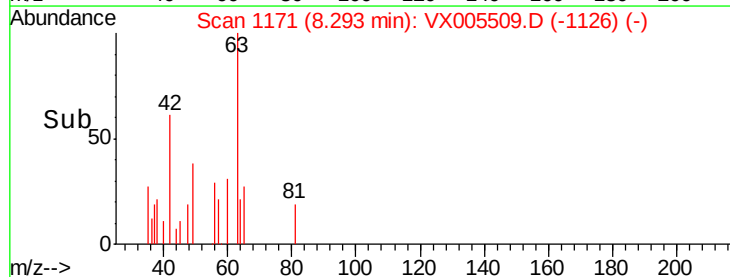
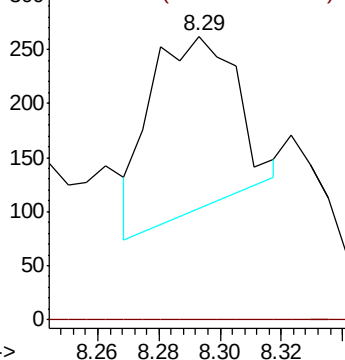
63 100

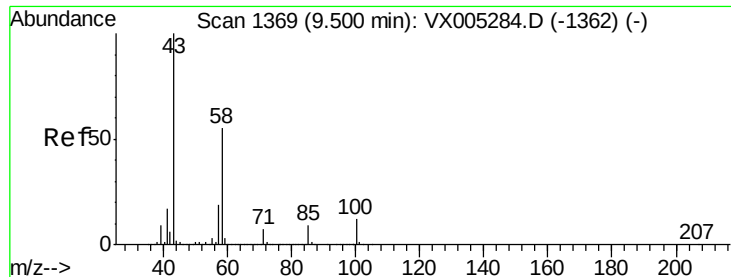
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





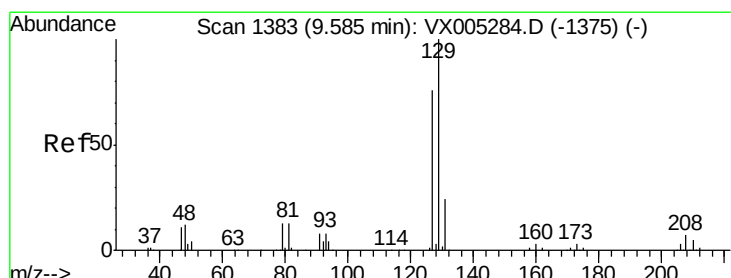
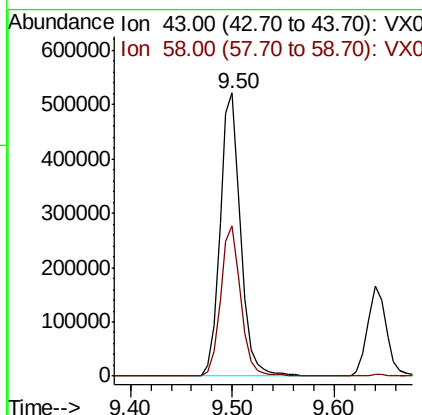
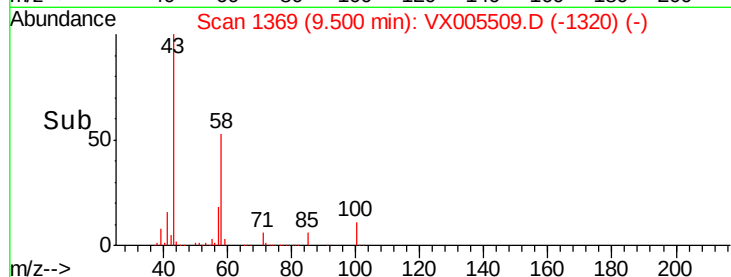
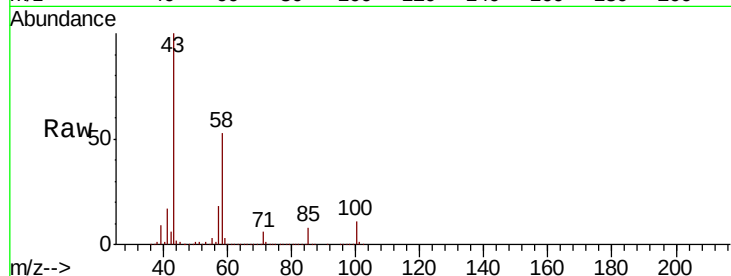
#59  
2-Hexanone  
Concen: 280.099 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion: 43 Resp: 728890  
Ion Ratio Lower Upper  
43 100  
58 52.3 29.0 87.0

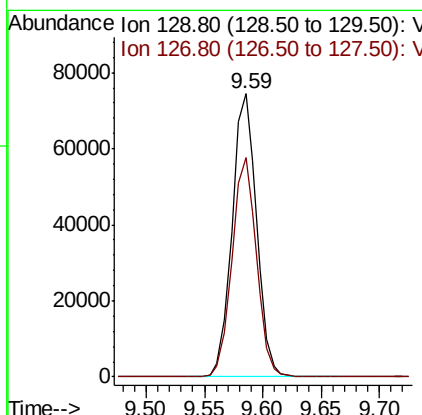
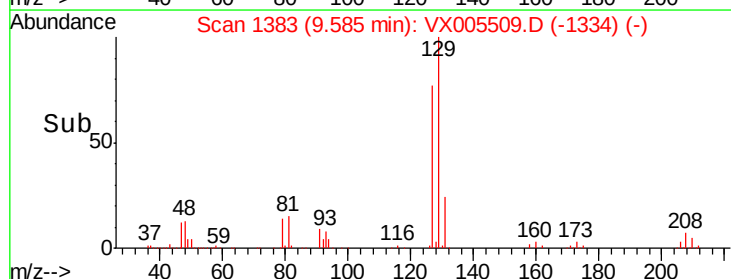
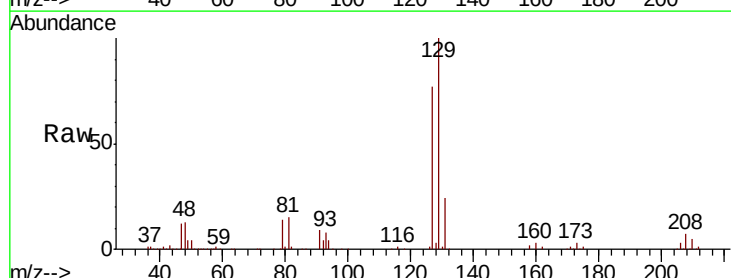
Manual Integrations  
APPROVED

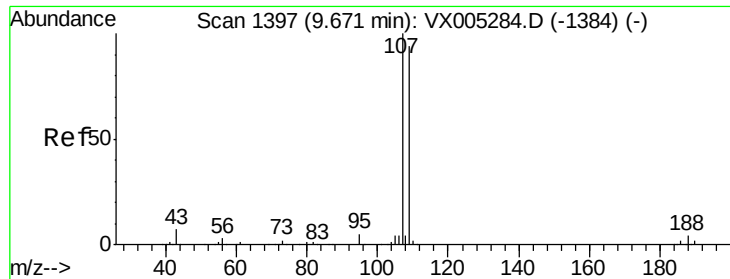
MMDadoda  
10/23/2018 1:28:14 PM



#60  
Dibromochloromethane  
Concen: 55.719 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion: 129 Resp: 109187  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.992 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion:107 Resp: 105430

Ion Ratio Lower Upper

107 100

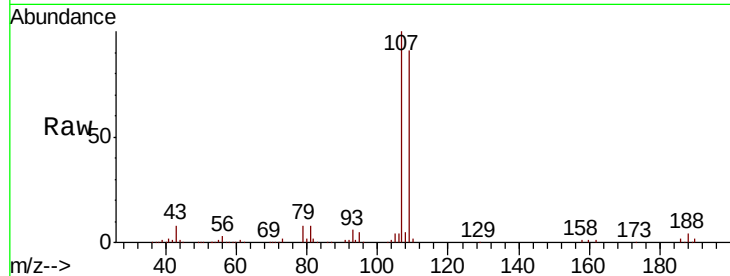
109 94.3 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

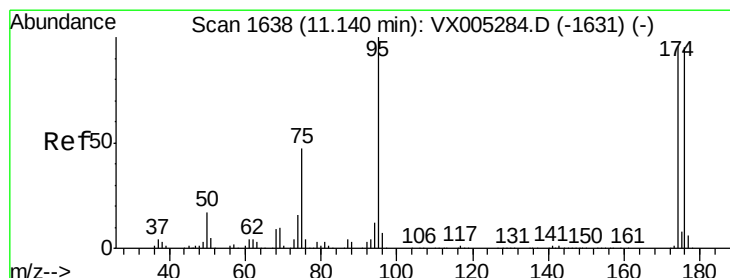
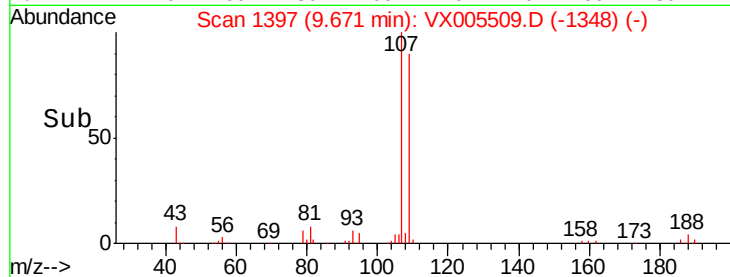
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 55.074 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

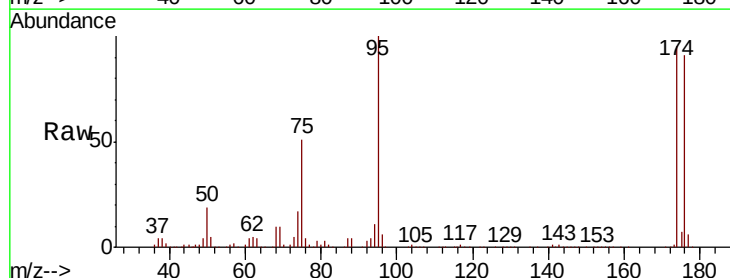
Tgt Ion: 95 Resp: 132472

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

176 89.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

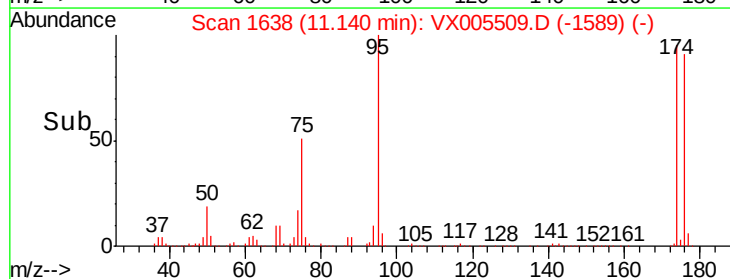
100000

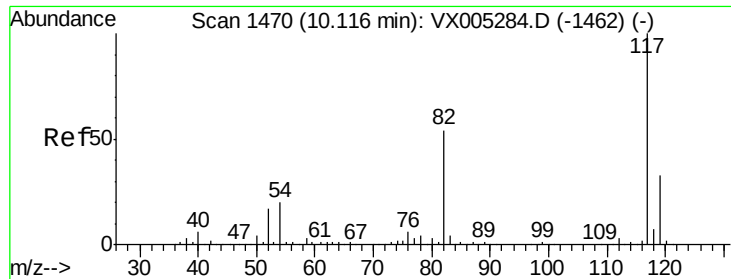
50000

0

11.10 11.20

Time-->





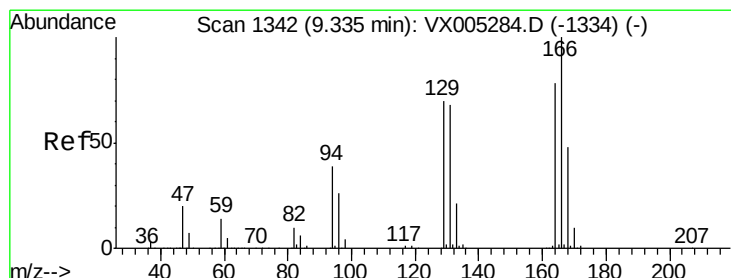
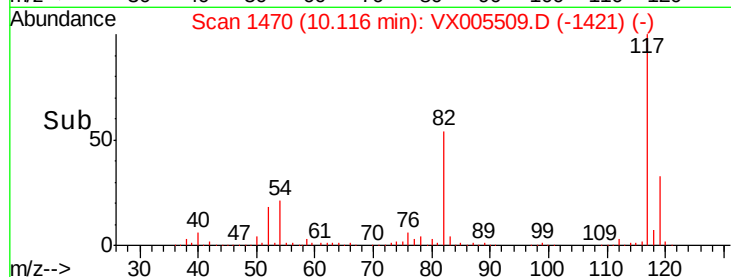
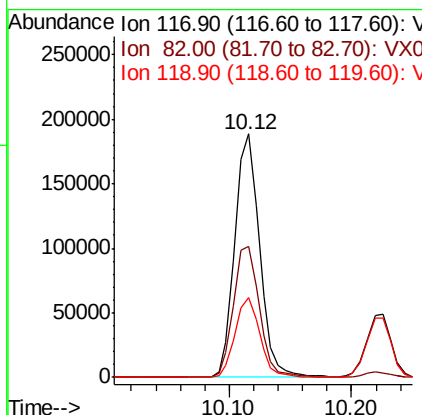
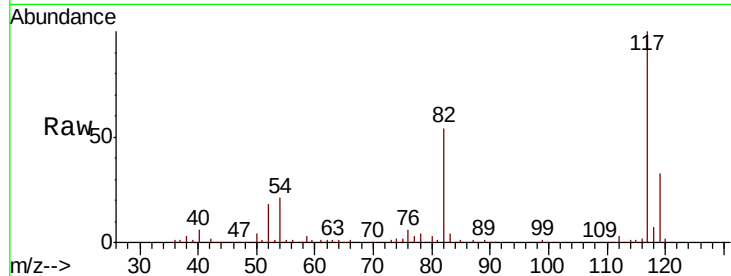
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 47.8  | 71.6  |
| 119     | 32.7  | 29.3  | 43.9  |

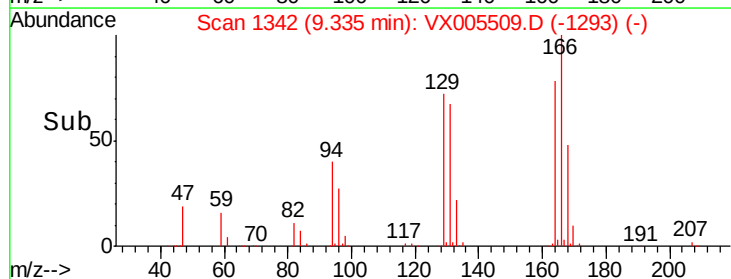
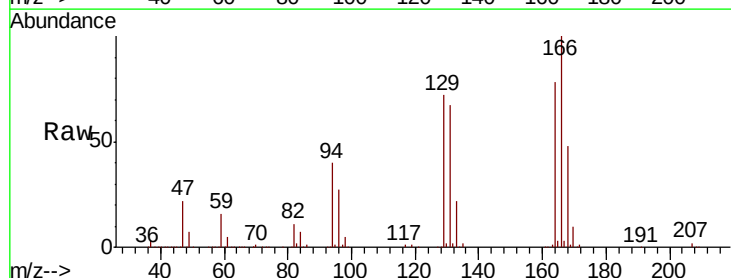
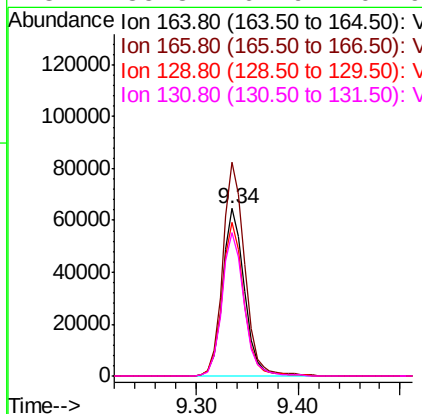
Manual Integrations  
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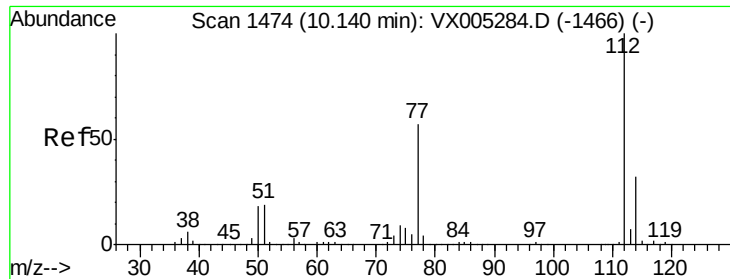
MMDadoda  
10/23/2018 1:28:14 PM



#64  
Tetrachloroethene  
Concen: 44.923 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.5 | 102.8 | 154.2 |
| 129     | 91.6  | 69.4  | 104.0 |
| 131     | 85.8  | 67.9  | 101.9 |





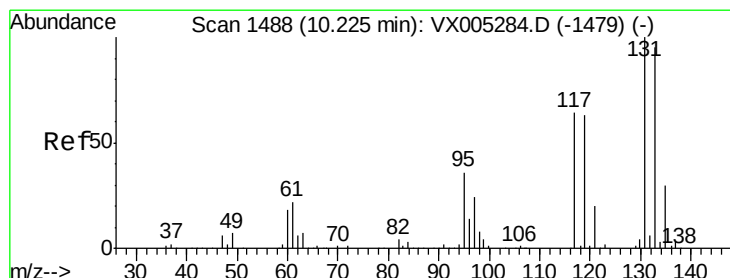
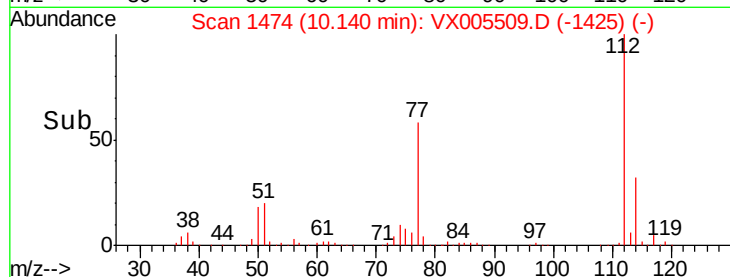
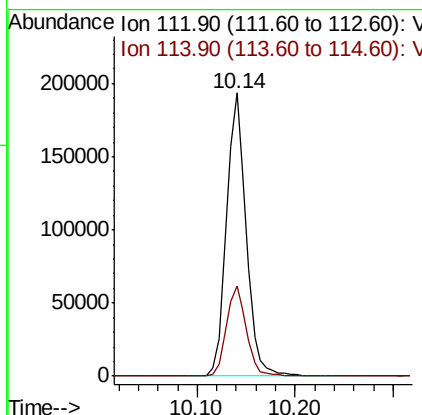
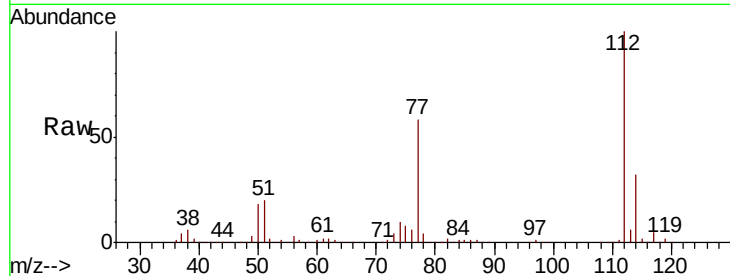
#65  
Chlorobenzene  
Concen: 47.860 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion:112 Resp: 269889  
Ion Ratio Lower Upper  
112 100  
114 31.8 27.8 41.8

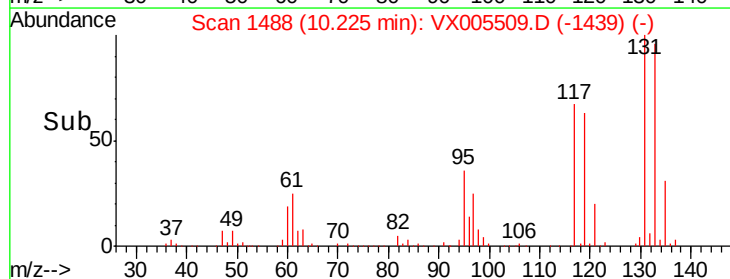
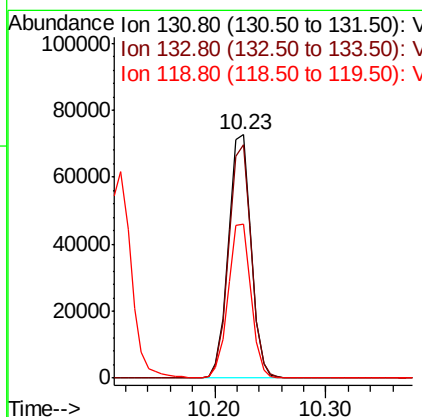
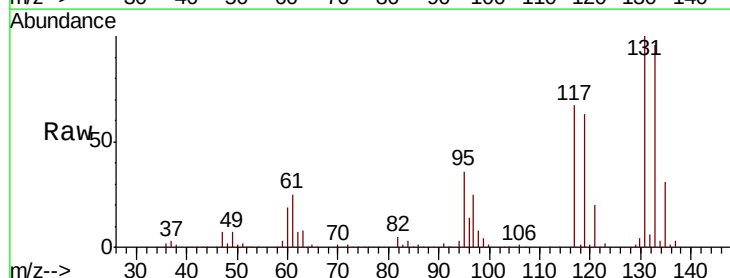
Manual Integrations  
APPROVED

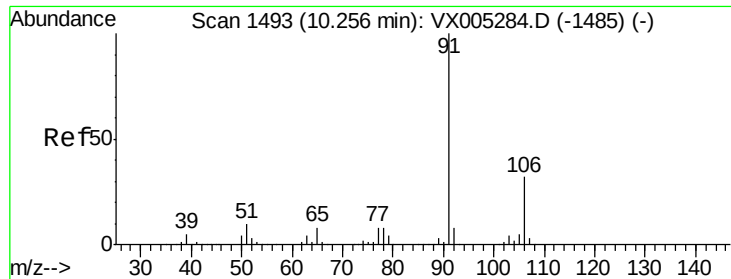
MMDadoda  
10/23/2018 1:28:14 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.017 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion:131 Resp: 102522  
Ion Ratio Lower Upper  
131 100  
133 95.3 48.1 144.4  
119 63.8 32.9 98.6





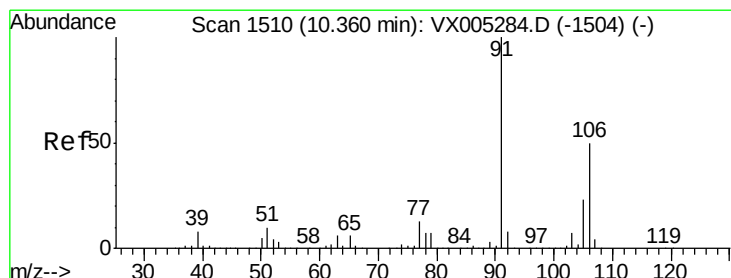
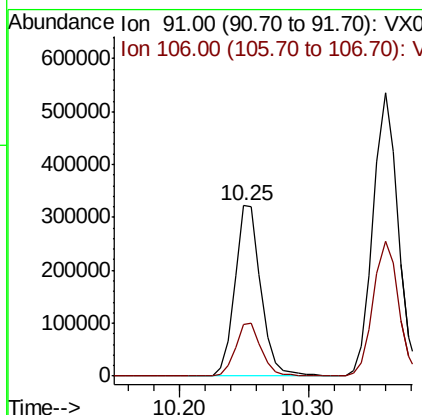
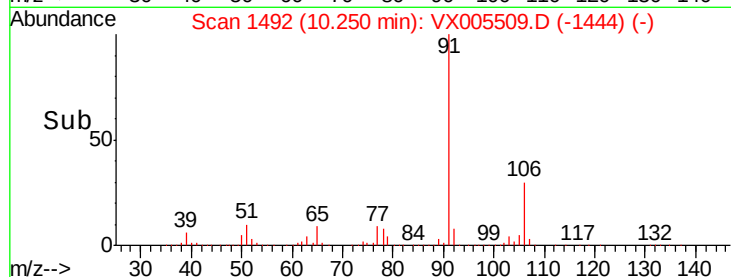
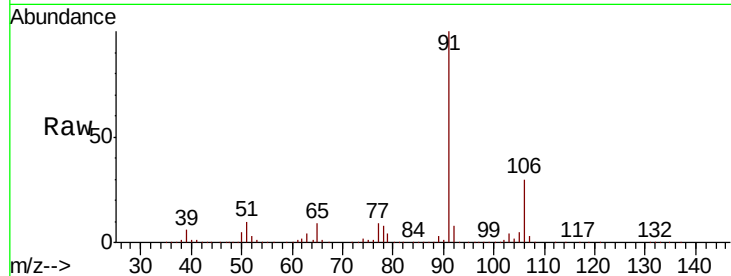
#67  
Ethyl Benzene  
Concen: 49.741 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion: 91 Resp: 456000  
Ion Ratio Lower Upper  
91 100  
106 30.3 25.9 38.9

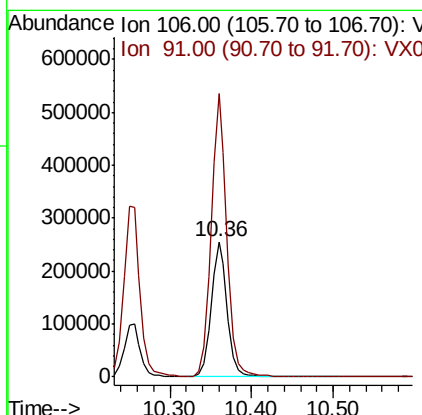
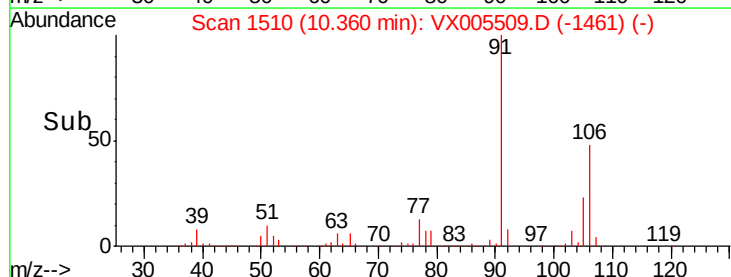
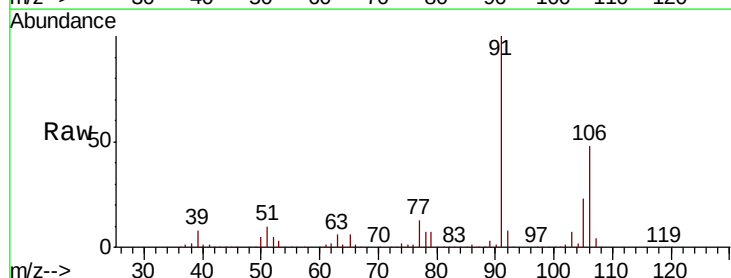
Manual Integrations  
APPROVED

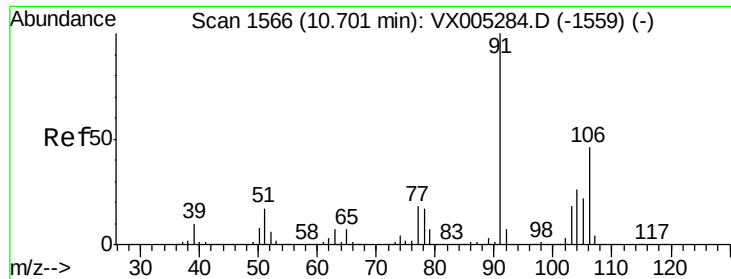
MMDadoda  
10/23/2018 1:28:14 PM



#68  
m/p-Xylenes  
Concen: 98.511 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion: 106 Resp: 350522  
Ion Ratio Lower Upper  
106 100  
91 206.8 157.1 235.7





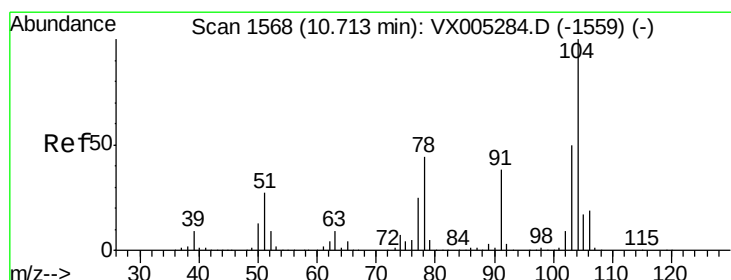
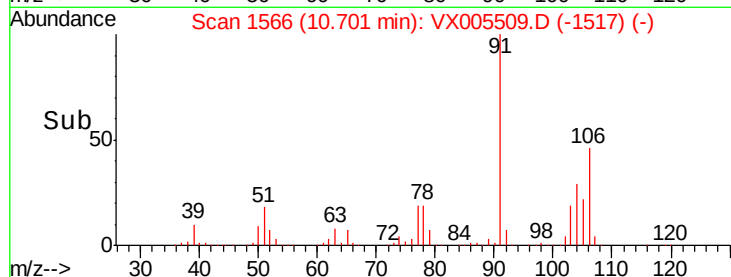
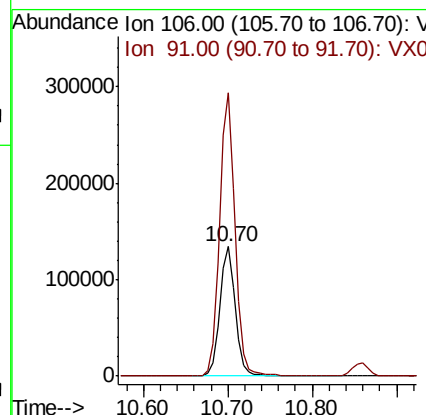
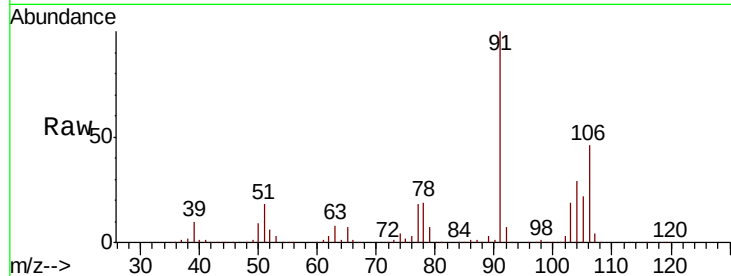
#69  
o-Xylene  
Concen: 49.763 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

Tot Ion:106 Resp: 170770  
Ion Ratio Lower Upper  
106 100  
91 218.6 105.1 315.1

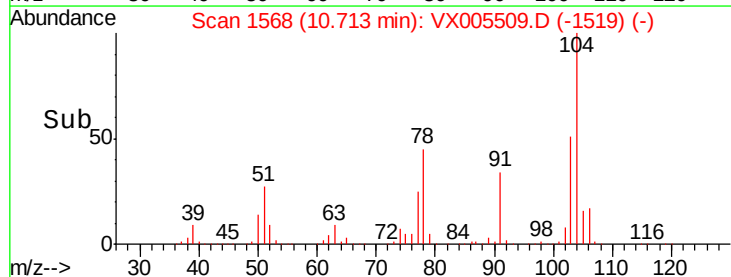
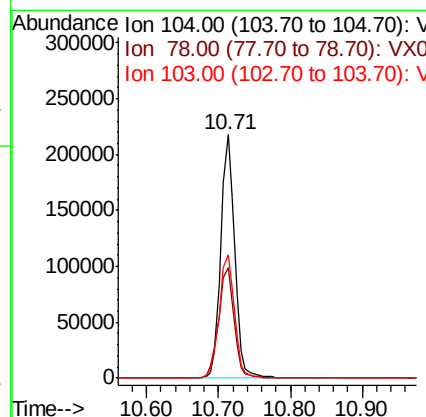
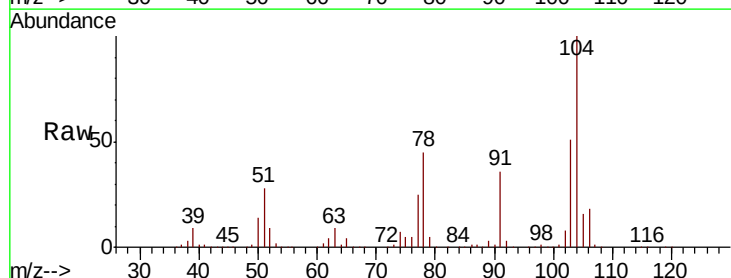
Manual Integrations  
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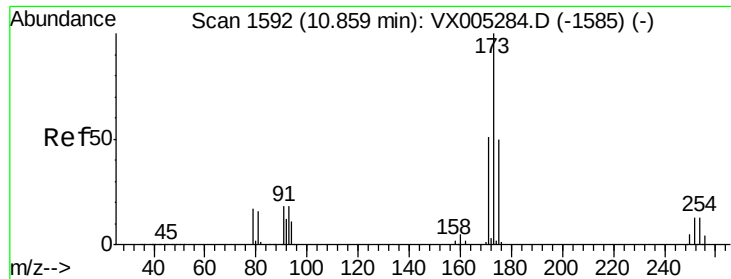


#70  
Styrene  
Concen: 51.591 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Tgt Ion:104 Resp: 291200  
Ion Ratio Lower Upper  
104 100  
78 50.9 37.4 56.0  
103 56.0 43.8 65.6







#71

Bromoform

Concen: 51.227 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion:173 Resp: 91995

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

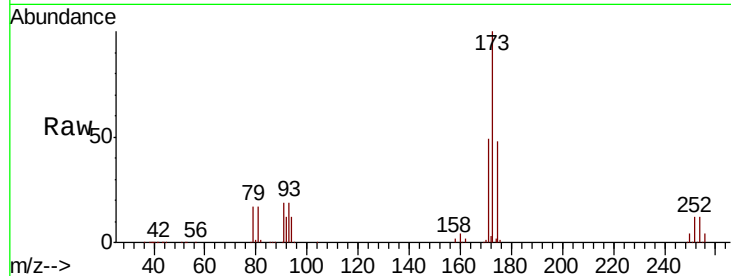
254 0.3 0.2 0.2#

Manual Integrations

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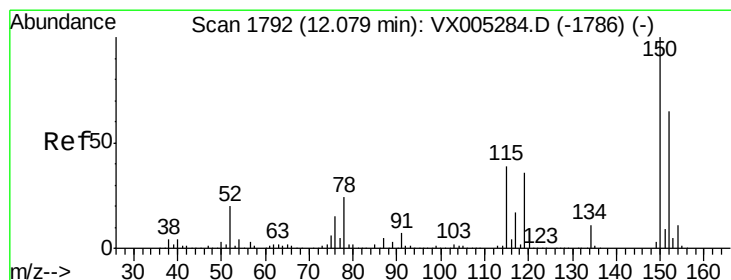
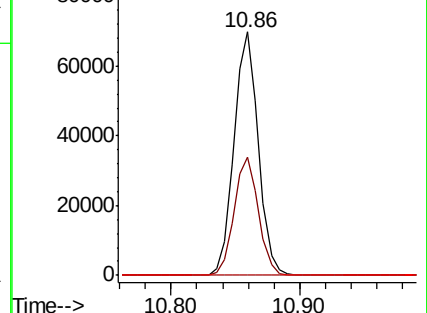
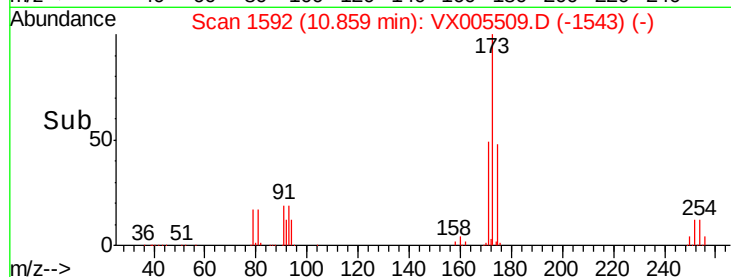
10/23/2018 1:28:14 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

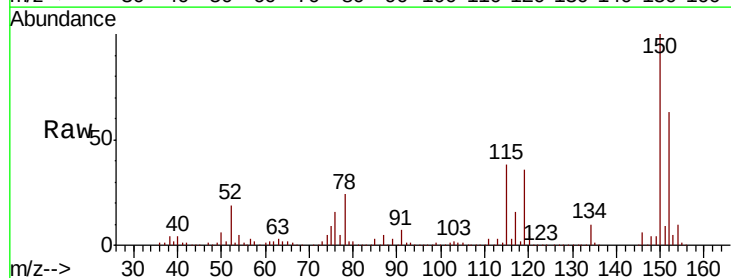
Tgt Ion:152 Resp: 152058

Ion Ratio Lower Upper

152 100

115 77.6 39.0 117.0

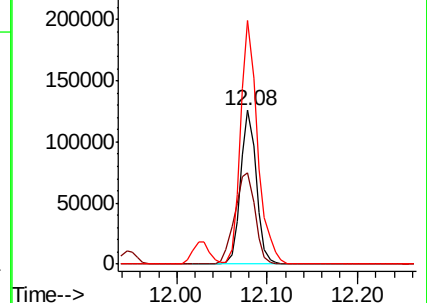
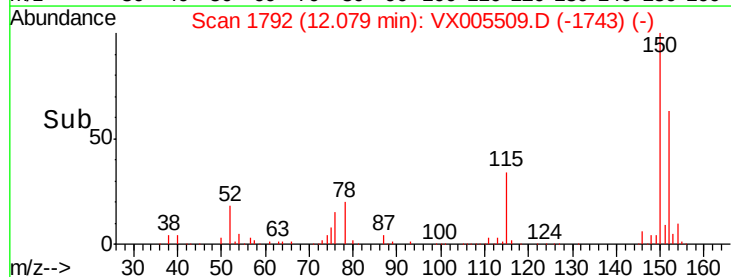
150 172.5 0.0 351.0

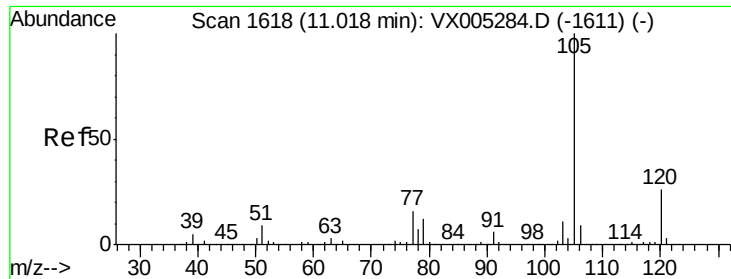


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.408 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 105 Resp: 464694

Ion Ratio Lower Upper

105 100

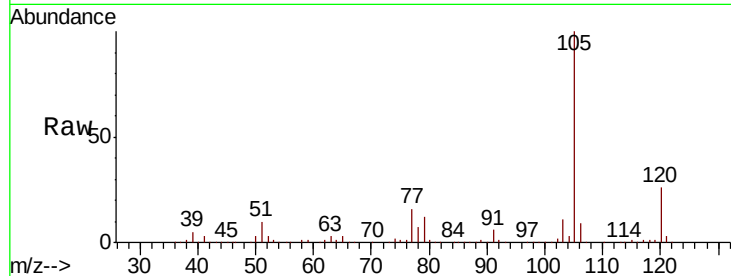
120 26.6 13.5 40.4

Manual Integrations

APPROVED

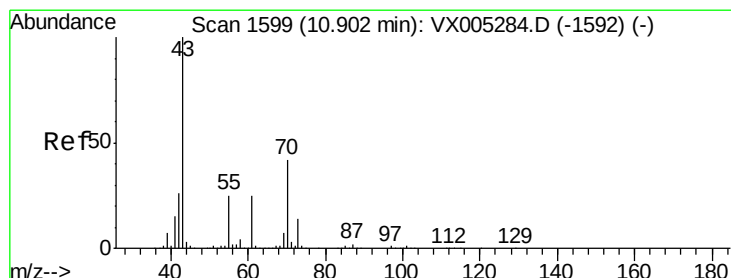
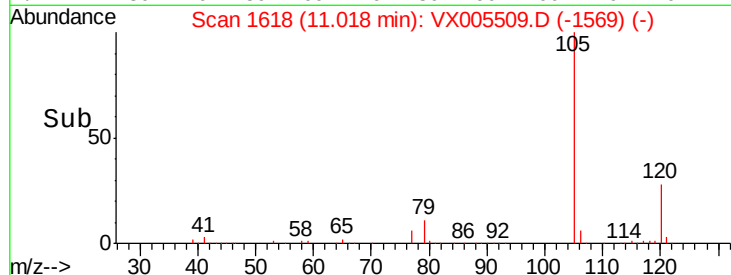
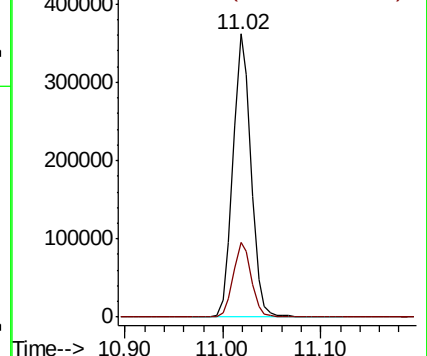
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.453 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Tgt Ion: 43 Resp: 211249

Ion Ratio Lower Upper

43 100

70 40.3 37.4 56.0

55 25.7 21.8 32.8

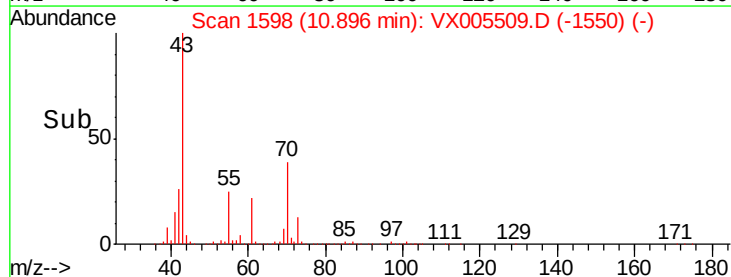
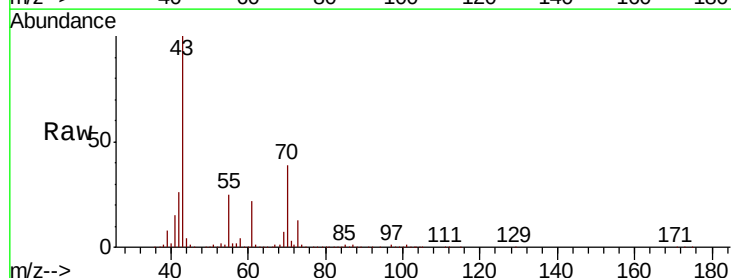
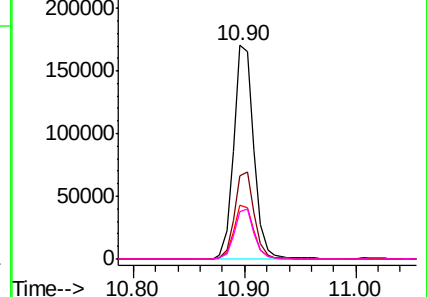
61 23.2 20.6 30.8

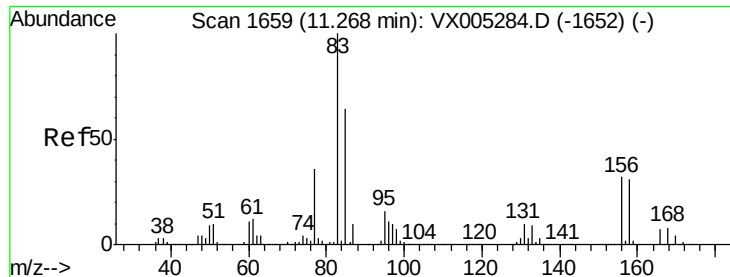
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.351 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

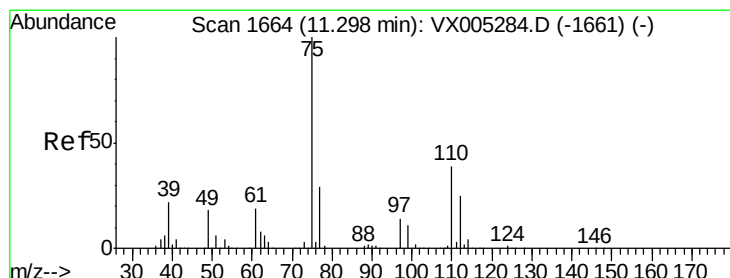
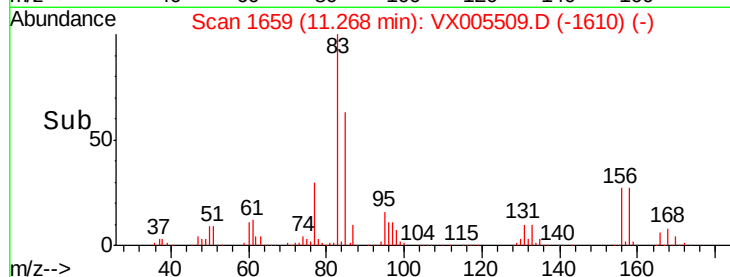
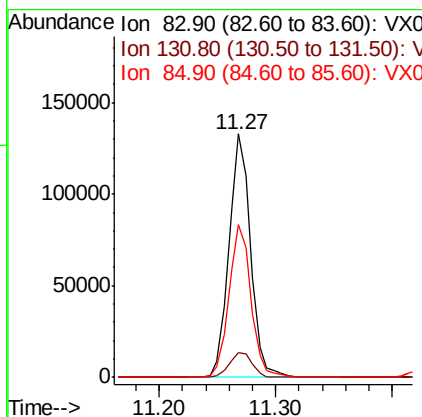
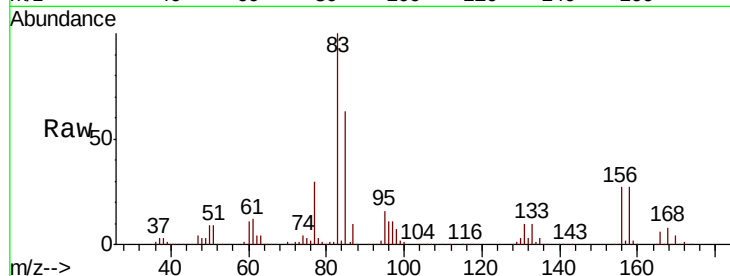
ClientSampleId :

RAV-GT104MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 171693 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.2   | 15.6   |
| 85        | 63.9  | 32.3  | 96.8   |

Manual Integrations  
APPROVED

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10/23/2018 1:28:14 PM



#76

1,2,3-Trichloropropane

Concen: 50.820 ug/l m

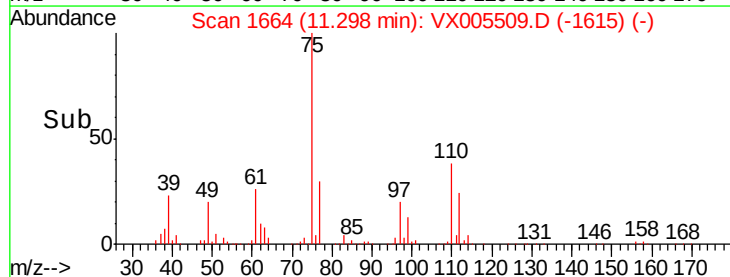
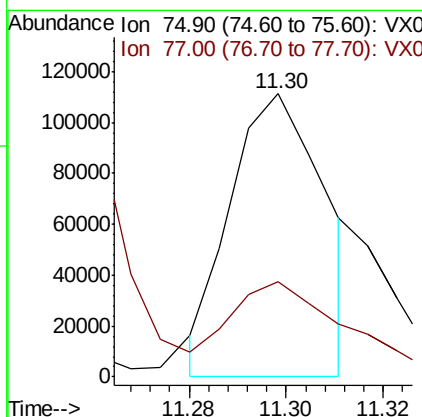
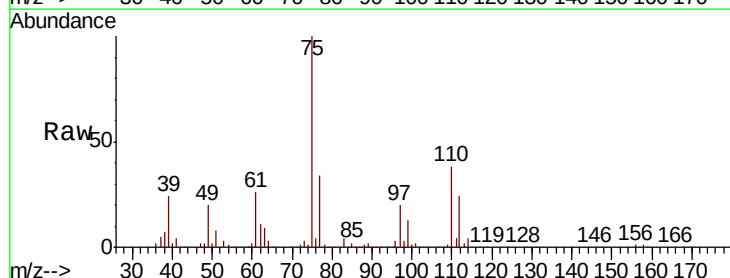
RT: 11.30 min Scan# 1664

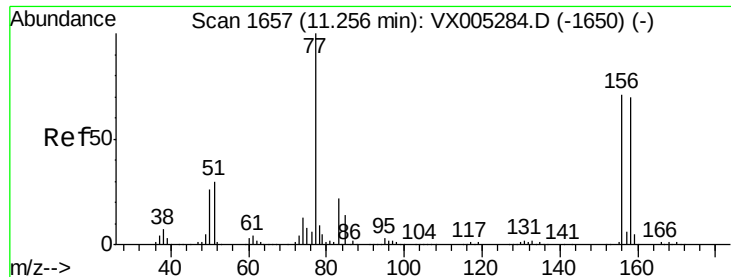
Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 149893 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 41.4  | 20.2  | 60.6   |





#77

Bromobenzene

Concen: 48.986 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 156 Resp: 126609

Ion Ratio Lower Upper

156 100

77 147.3 71.5 214.3

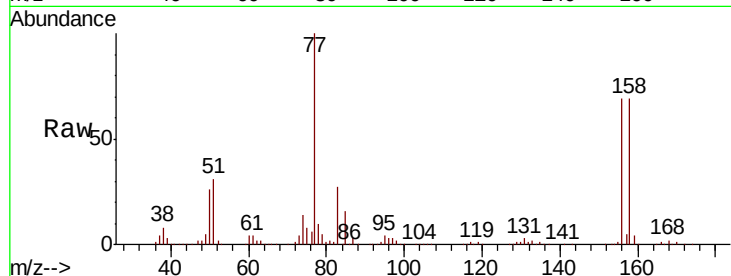
158 98.1 48.9 146.8

Manual Integrations

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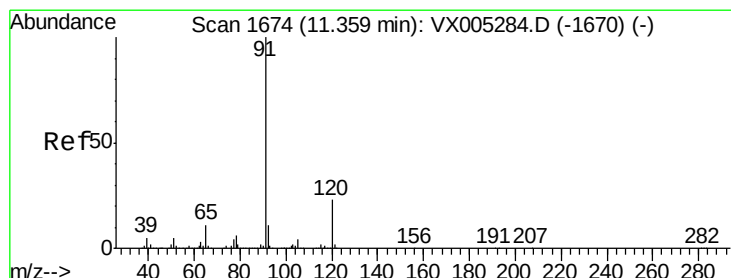
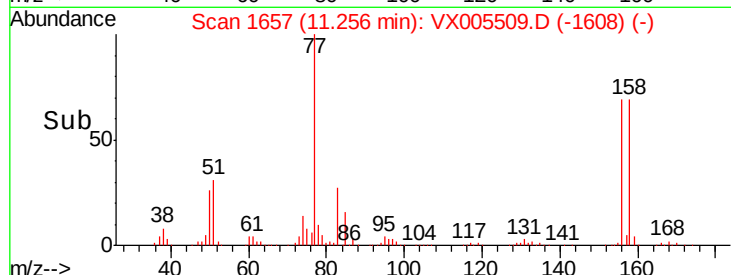
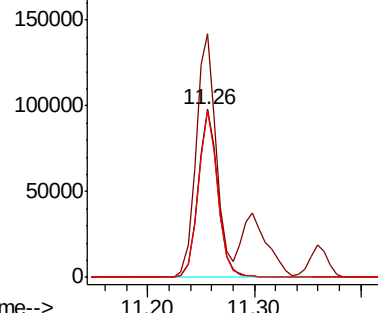
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.865 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005509.D

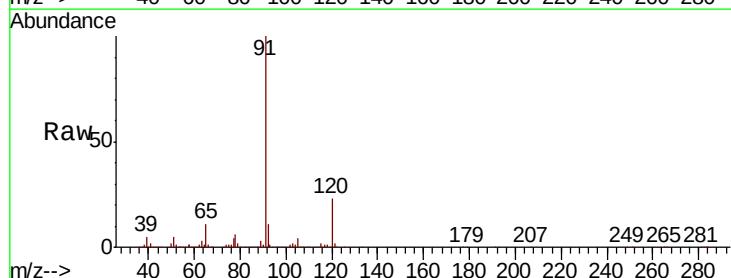
Acq: 23 Oct 2018 09:26

Tgt Ion: 91 Resp: 529098

Ion Ratio Lower Upper

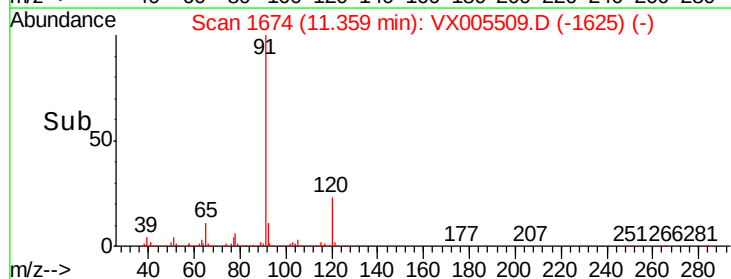
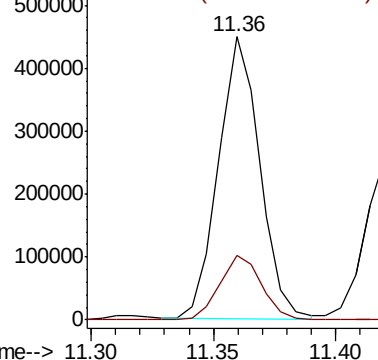
91 100

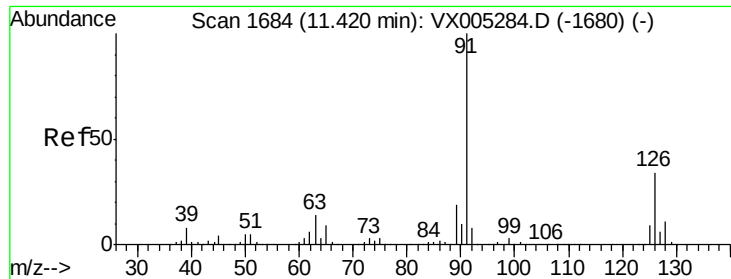
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.223 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion: 91 Resp: 326317

Ion Ratio Lower Upper

91 100

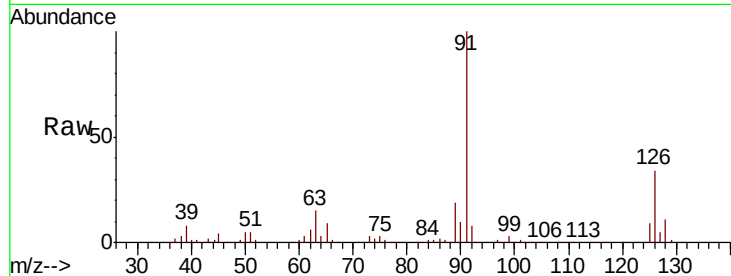
126 34.9 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

500000

400000

300000

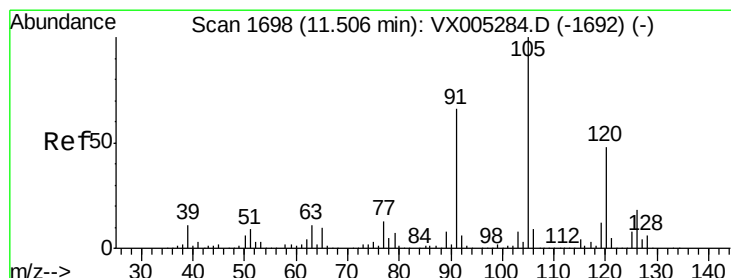
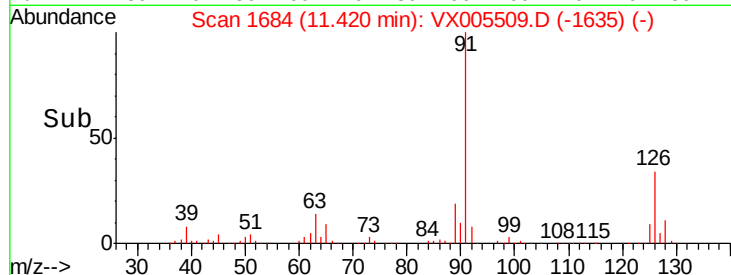
200000

100000

0

11.35 11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.340 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005509.D

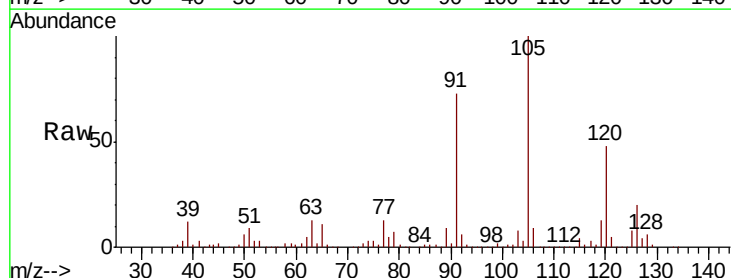
Acq: 23 Oct 2018 09:26

Tgt Ion: 105 Resp: 397417

Ion Ratio Lower Upper

105 100

120 48.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

400000

300000

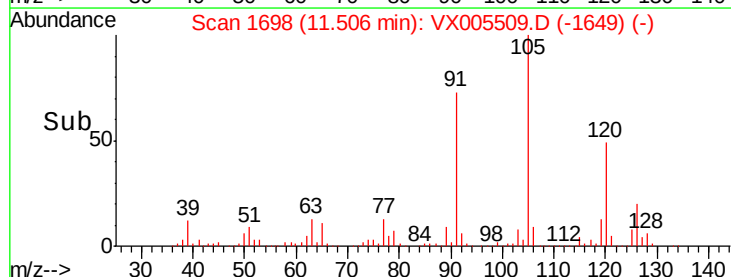
200000

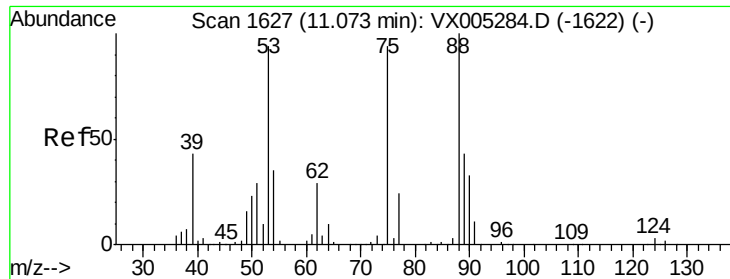
100000

0

11.50 11.51 11.52

Time-->





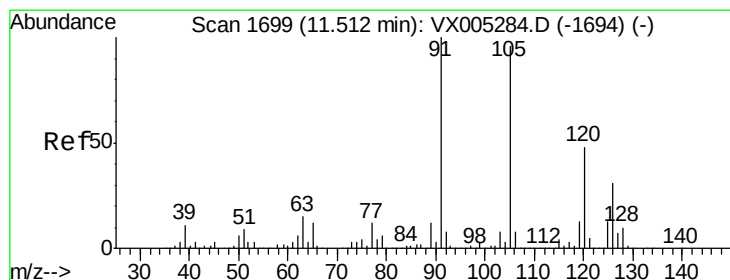
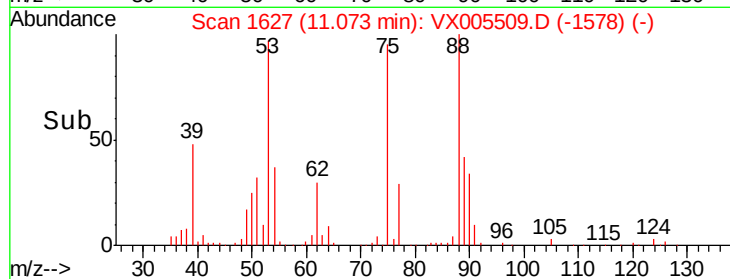
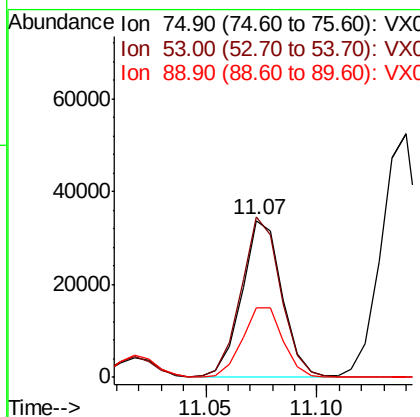
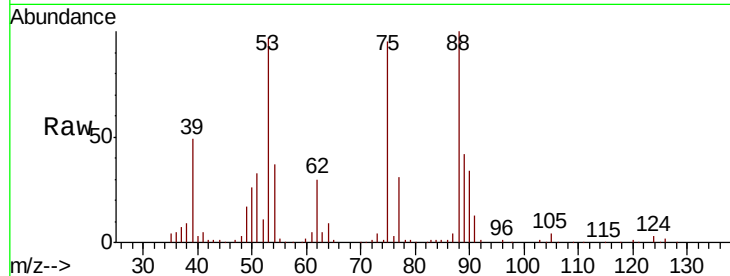
#81  
trans-1,4-Dichloro-2-butene  
Concen: 43.225 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 101.6 | 80.1  | 120.1 |
| 89      | 46.2  | 37.2  | 55.8  |

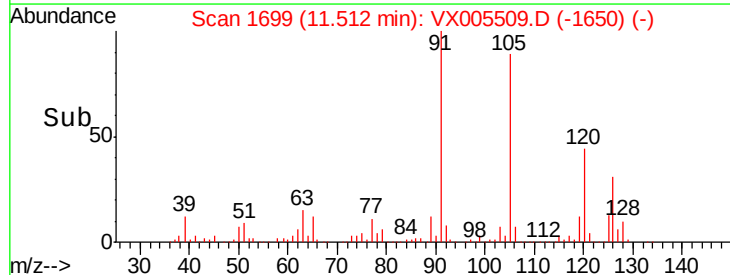
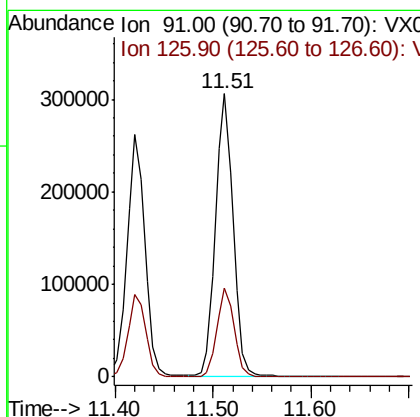
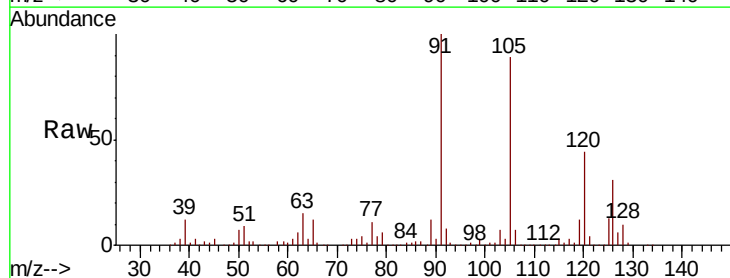
Manual Integrations  
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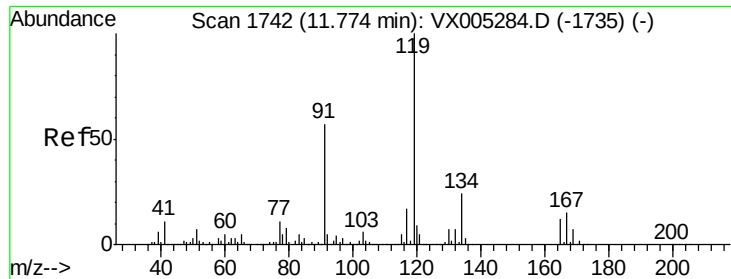
MMDadoda  
10/23/2018 1:28:14 PM



#82  
4-Chlorotoluene  
Concen: 50.906 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.6  | 15.5  | 46.5  |





#83

tert-Butylbenzene

Concen: 51.086 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

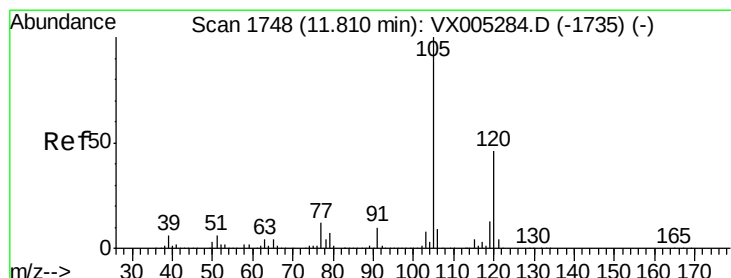
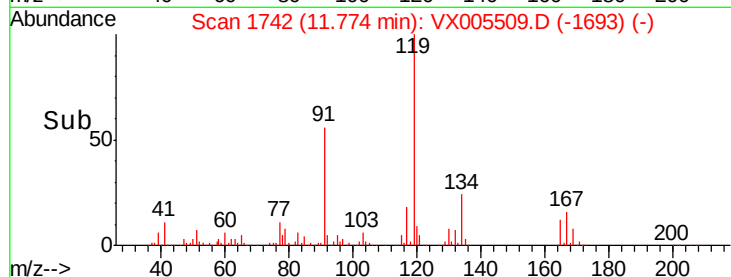
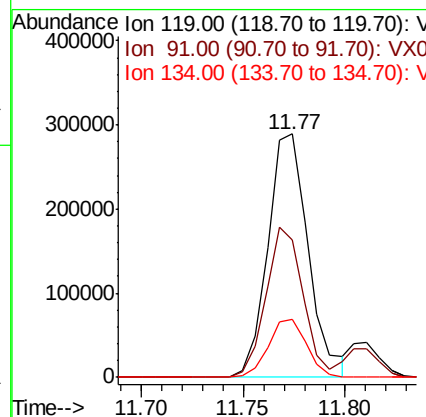
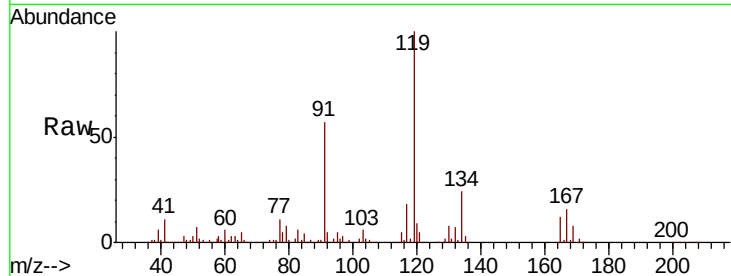
ClientSampleId :

RAV-GT104MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 400448 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 56.5  | 27.0  | 81.0   |
| 134       | 22.6  | 11.7  | 35.1   |

Manual Integrations  
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MMDadoda  
10/23/2018 1:28:14 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.002 ug/l

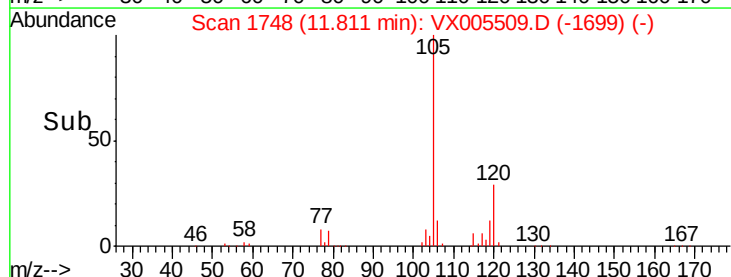
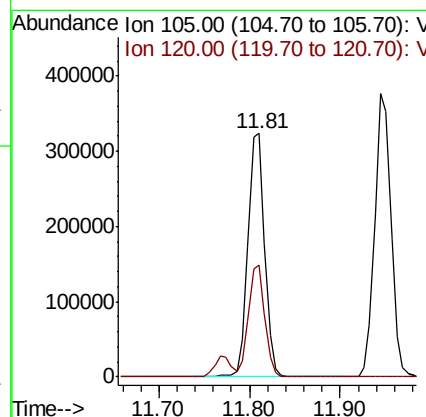
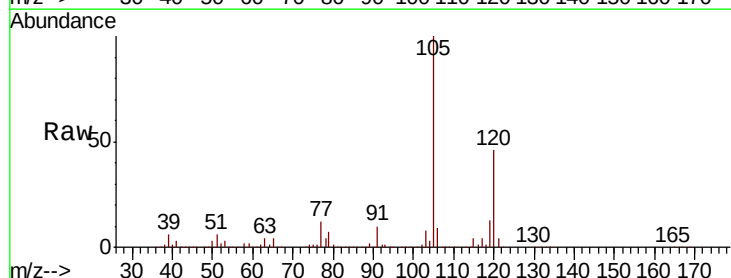
RT: 11.81 min Scan# 1748

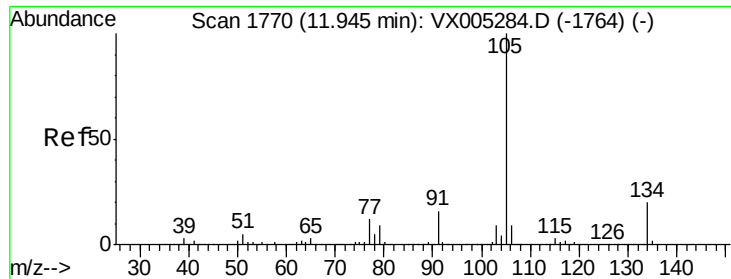
Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 414248 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 44.9  | 23.2  | 69.6   |





#85

sec-Butylbenzene

Concen: 50.650 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

ClientSampleId :

RAV-GT104MS

Tot Ion:105 Resp: 469857

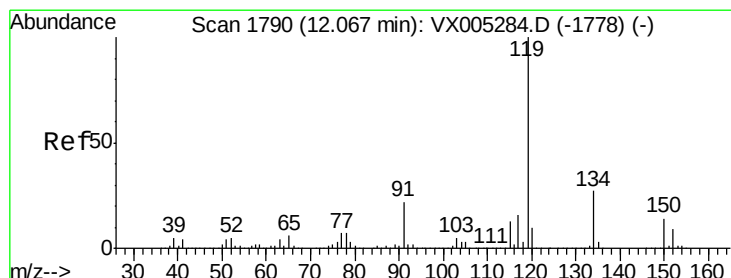
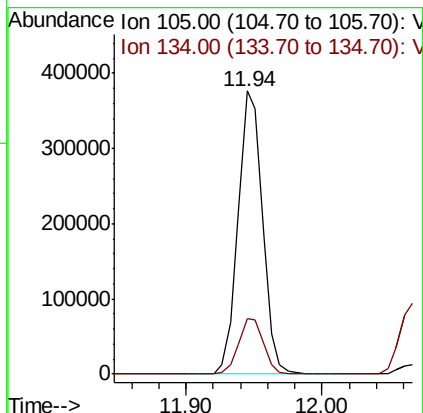
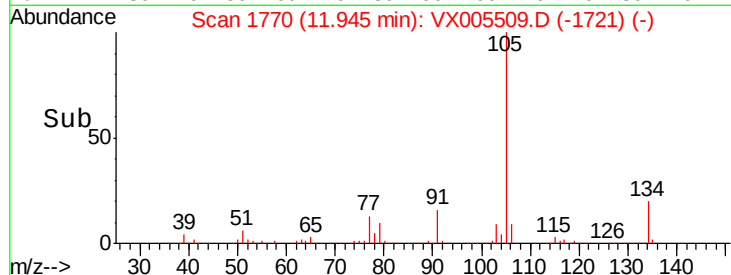
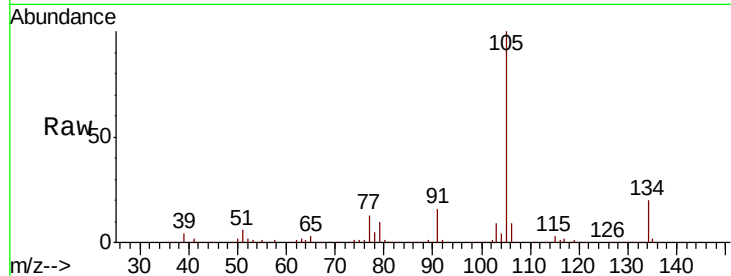
Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.5

Manual Integrations  
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10/23/2018 1:28:14 PM



#86

p-Isopropyltoluene

Concen: 49.928 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

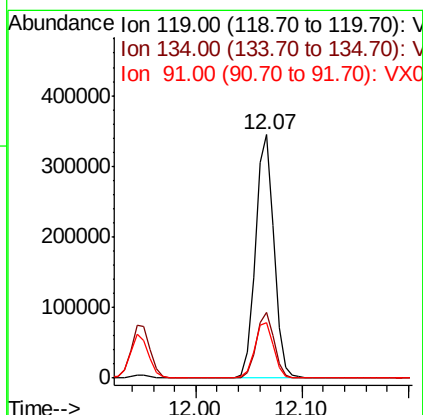
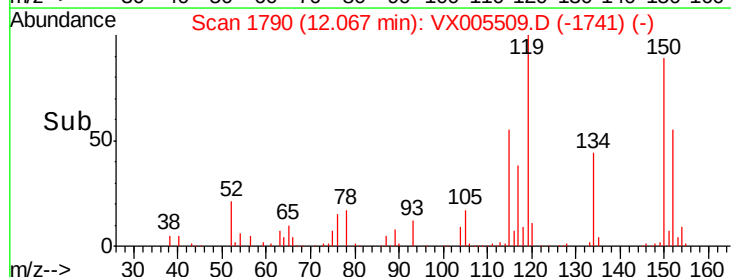
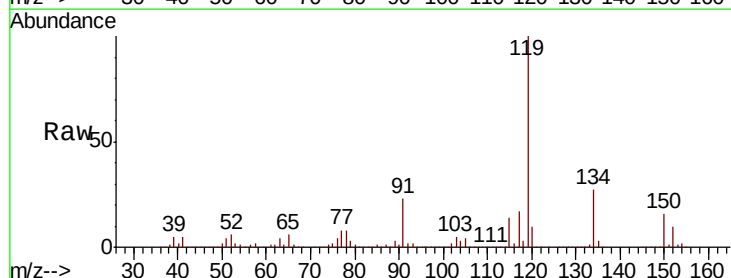
Tgt Ion:119 Resp: 418623

Ion Ratio Lower Upper

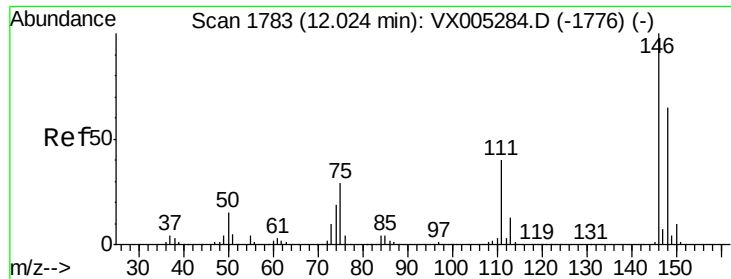
119 100

134 26.5 13.4 40.2

91 23.6 10.9 32.7







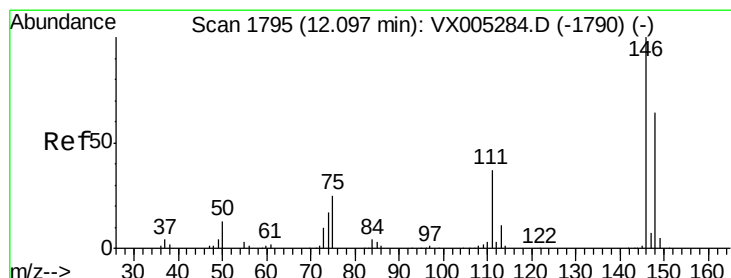
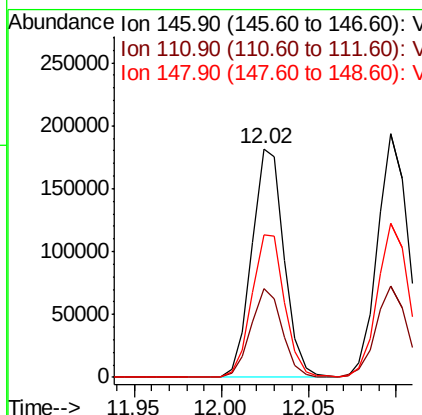
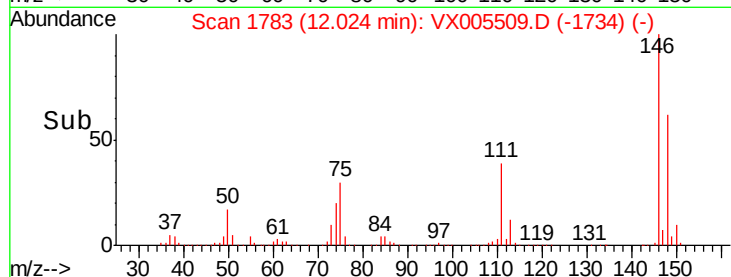
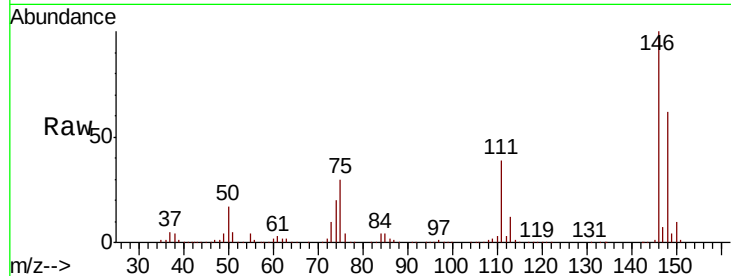
#87  
 1,3-Dichlorobenzene  
 Concen: 48.690 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 18.7  | 56.1  |
| 148     | 63.5  | 32.1  | 96.5  |

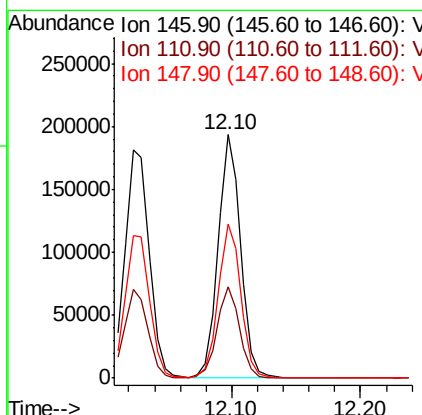
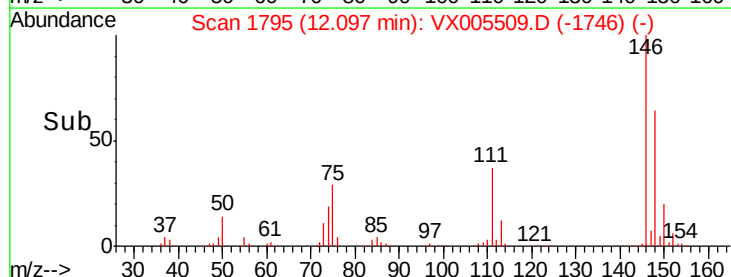
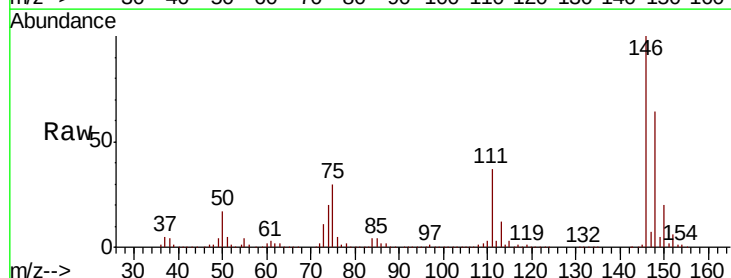
Manual Integrations  
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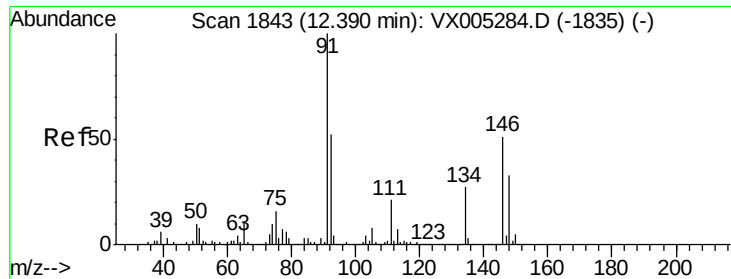
MMDadoda  
 10/23/2018 1:28:14 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.165 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX005509.D  
 Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 18.1  | 54.1  |
| 148     | 63.8  | 32.0  | 96.0  |





#89

n-Butylbenzene

Concen: 47.871 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

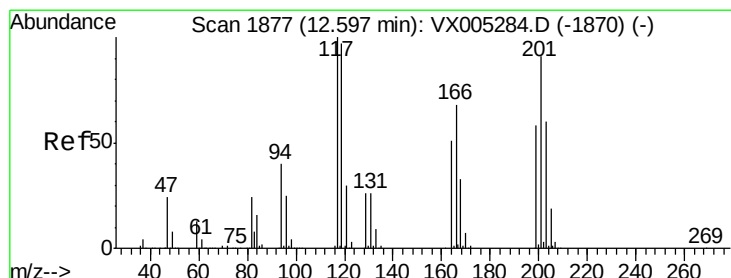
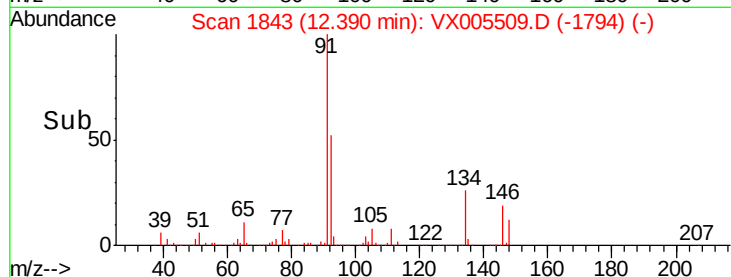
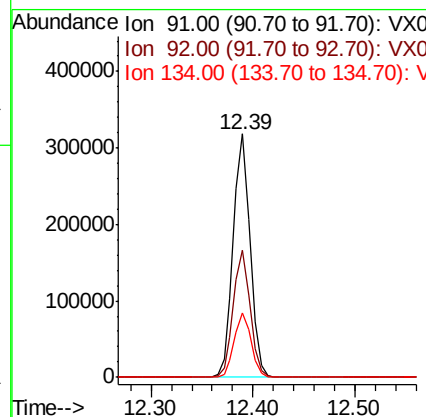
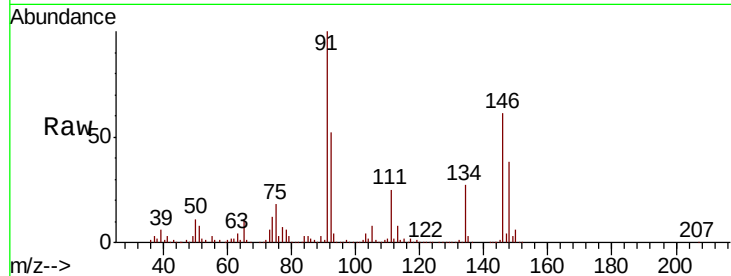
ClientSampleId :

RAV-GT104MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 364434 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.0  | 27.3  | 81.9   |
| 134      | 26.4  | 13.6  | 40.7   |

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#90

Hexachloroethane

Concen: 50.453 ug/l

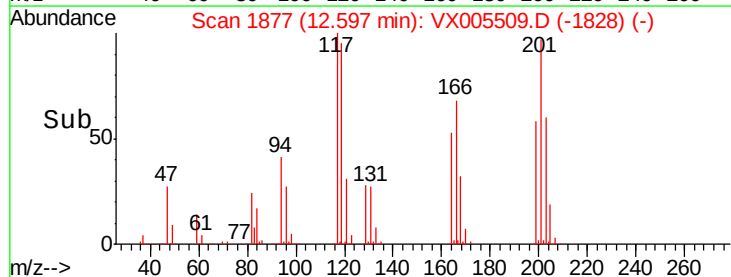
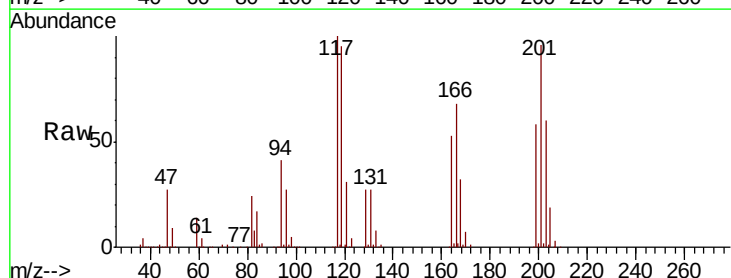
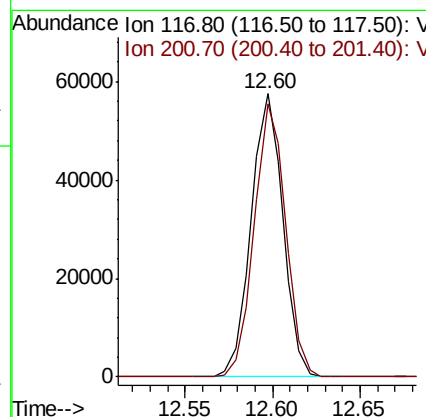
RT: 12.60 min Scan# 1877

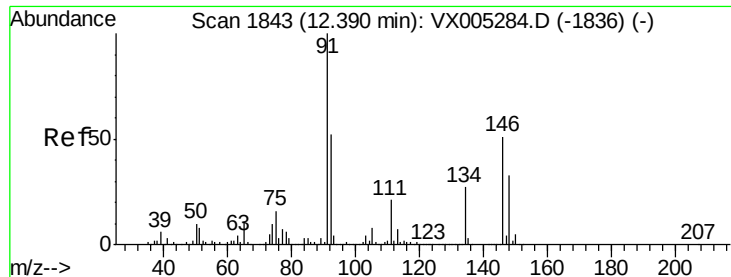
Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 72905 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 95.8  | 46.9  | 140.6 |





#91

1,2-Dichlorobenzene

Concen: 48.879 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

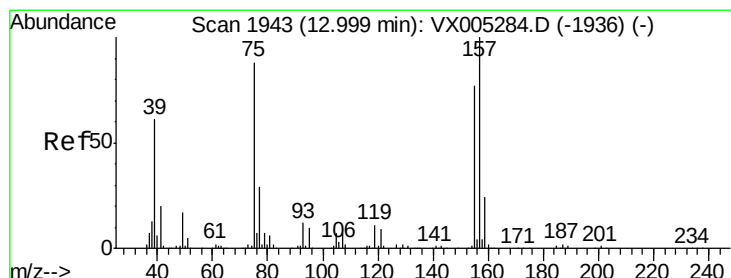
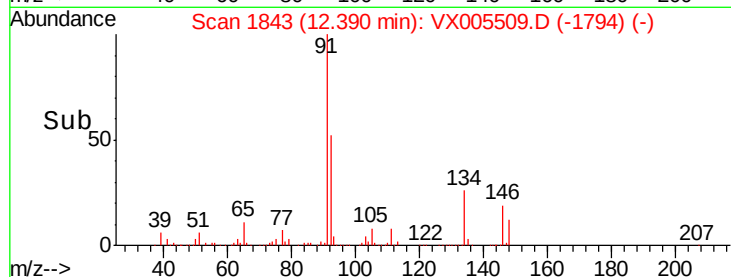
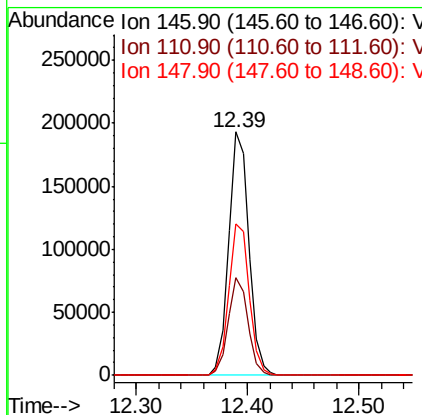
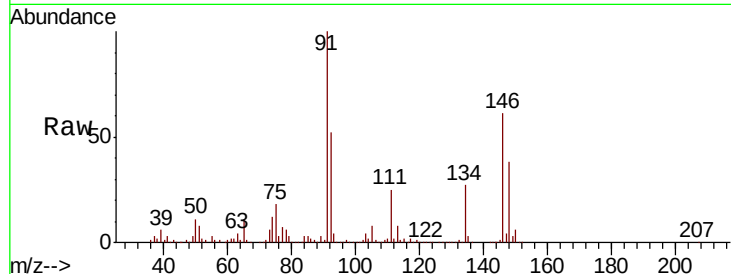
ClientSampleId :

RAV-GT104MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 240902 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.6  | 19.4  | 58.1   |
| 148       | 63.6  | 32.8  | 98.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.088 ug/l

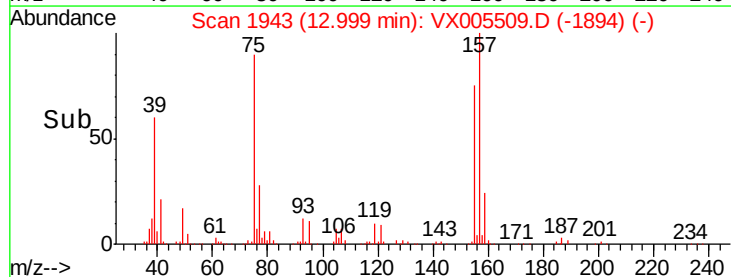
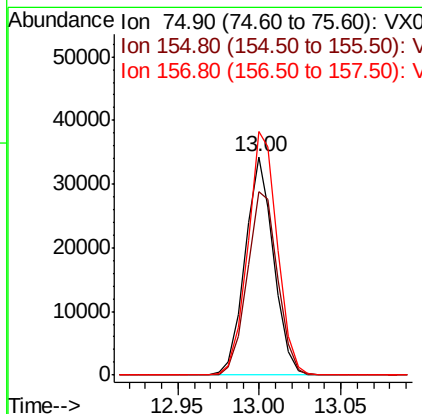
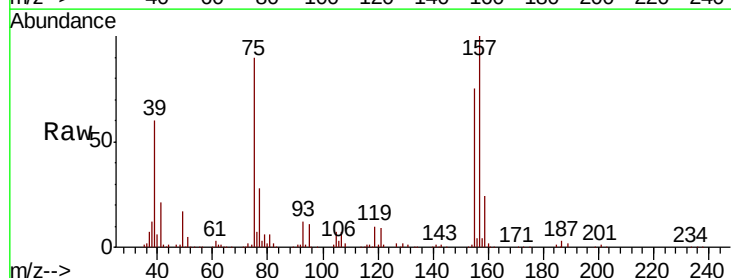
RT: 13.00 min Scan# 1943

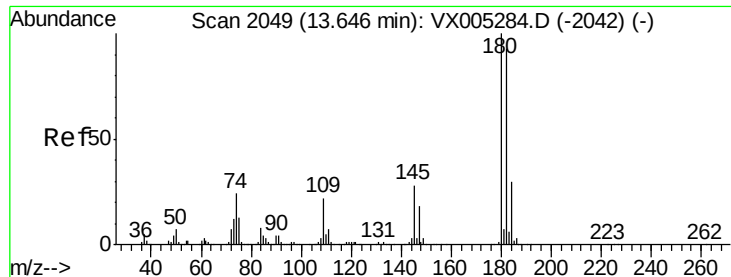
Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 41662 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 89.6  | 48.0  | 144.2 |
| 157       | 115.6 | 61.4  | 184.1 |





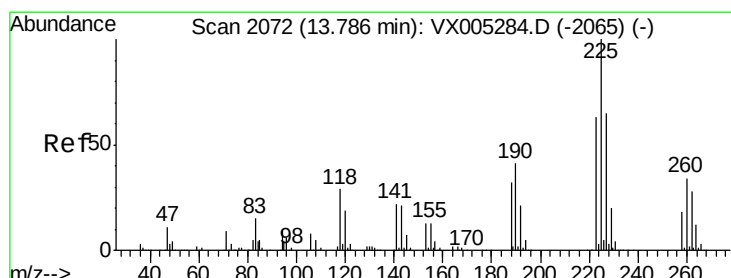
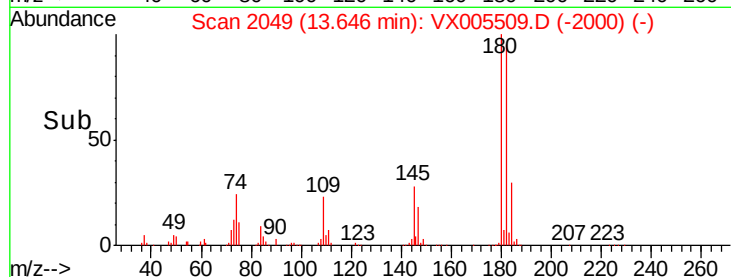
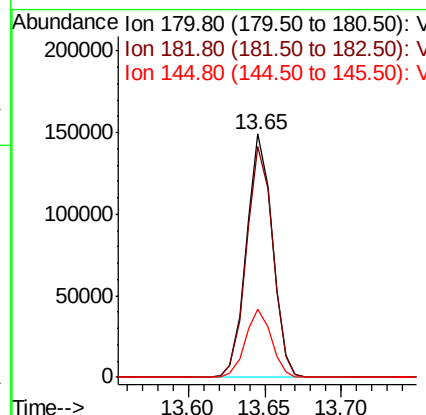
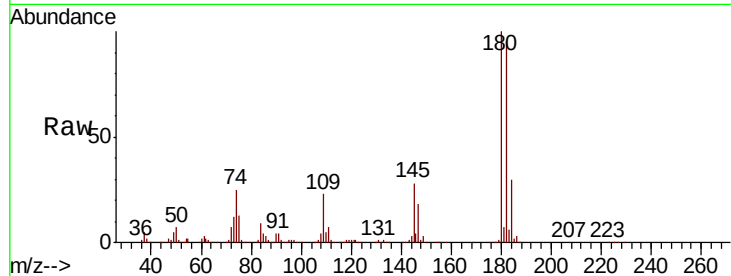
#93  
1,2,4-Trichlorobenzene  
Concen: 48.404 ug/l  
RT: 13.65 min Scan# 2049  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.7  | 48.4  | 145.0 |
| 145     | 28.0  | 14.3  | 42.9  |

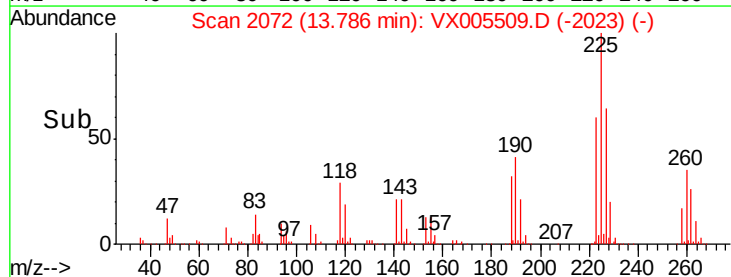
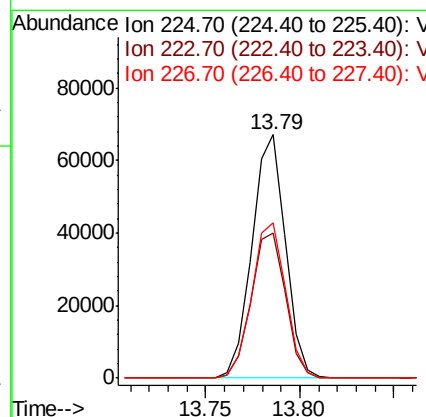
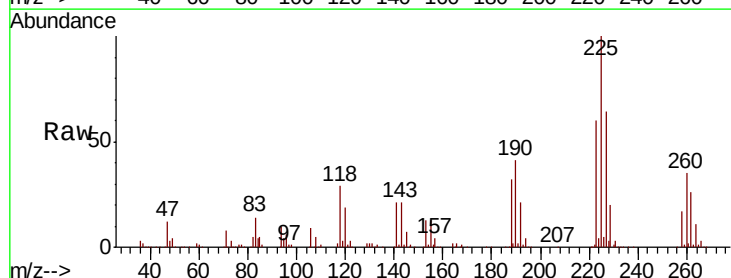
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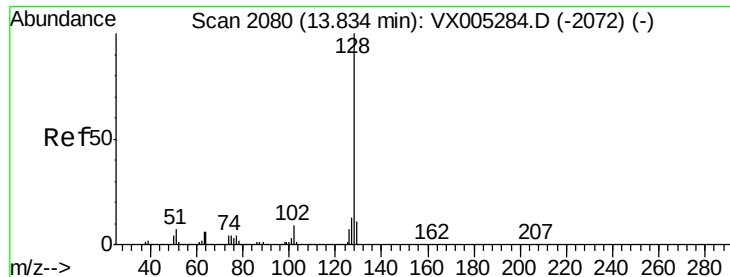
MMDadoda  
10/23/2018 1:28:14 PM



#94  
Hexachlorobutadiene  
Concen: 43.134 ug/l  
RT: 13.79 min Scan# 2072  
Delta R.T. 0.00 min  
Lab File: VX005509.D  
Acq: 23 Oct 2018 09:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.4  | 30.1  | 90.5  |
| 227     | 64.8  | 30.8  | 92.4  |





#95

Naphthalene

Concen: 54.177 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

Instrument :

MSVOA\_X

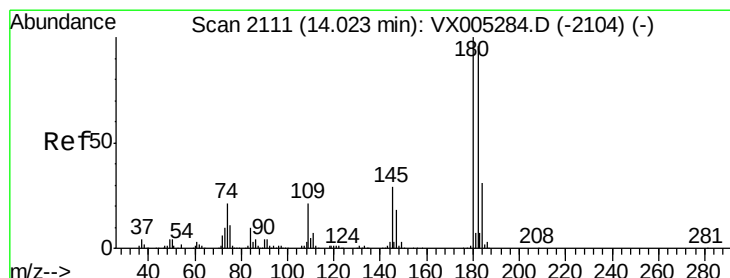
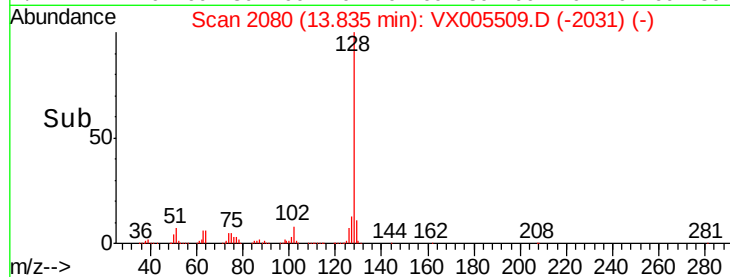
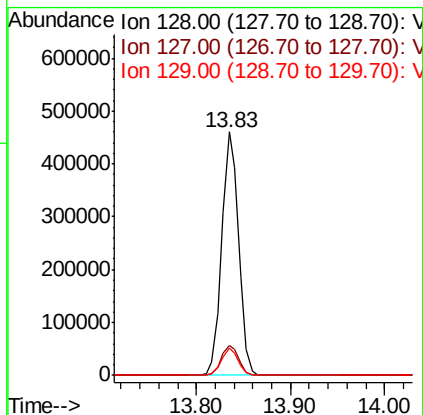
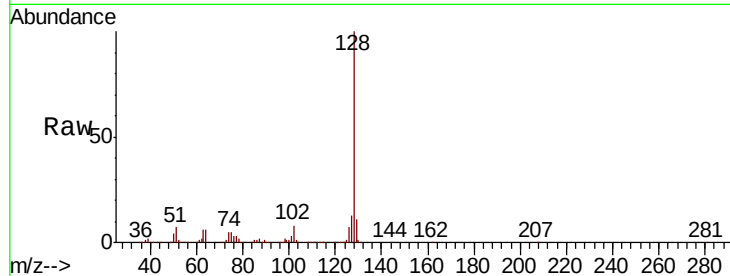
ClientSampleId :

RAV-GT104MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 568131 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.2  | 15.2   |
| 129       | 10.8  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 50.251 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005509.D

Acq: 23 Oct 2018 09:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 185917 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.6  | 48.5  | 145.6  |
| 145       | 29.6  | 14.9  | 44.9   |

