

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070518\  
 Data File : VN049711.D  
 Acq On : 5 Jul 2018 14:24  
 Operator : MD\SY  
 Sample : VN0705WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

Manual Integrations  
 APPROVED

sam  
 7/6/2018 4:25:51 PM

Quant Time: Jul 05 16:29:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1170952  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1724083  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1534462  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 816107   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 718523   | 46.47 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.94% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 615432   | 47.75 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.50% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2296266  | 45.51 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.02% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 790621   | 45.90 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.80% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 252629  | 19.144  | ug/l | 95     |
| 3) Chloromethane              | 2.06 | 50  | 328226  | 19.915  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 362944  | 20.503  | ug/l | 100    |
| 5) Bromomethane               | 2.56 | 94  | 157951  | 16.987  | ug/l | 98     |
| 6) Chloroethane               | 2.70 | 64  | 231466  | 20.659  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 474372  | 23.461  | ug/l | 98     |
| 8) Diethyl Ether              | 3.41 | 74  | 173853  | 21.212  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 300671  | 20.668  | ug/l | 100    |
| 10) Methyl Iodide             | 3.95 | 142 | 351140  | 19.287  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 114753  | 129.320 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 274066  | 19.927  | ug/l | 100    |
| 13) Acrolein                  | 3.61 | 56  | 42901   | 51.759  | ug/l | 97     |
| 14) Allyl chloride            | 4.32 | 41  | 429014  | 22.709  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 528968  | 115.419 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 437139  | 137.157 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 777640  | 20.330  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 299081  | 18.386  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 764998  | 21.577  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 340764  | 21.400  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 285670  | 20.182  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.96 | 45  | 915060  | 21.409  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2870585 | 103.568 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 562097  | 20.875  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 632234  | 123.157 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 461381  | 20.631  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 325969  | 20.616  | ug/l | 100    |
| 28) Bromochloromethane        | 7.20 | 49  | 233194  | 20.405  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 401388  | 122.676 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 577098  | 21.025  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 469497  | 19.895  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 487452  | 20.976  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 410840  | 21.181  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.94 | 43  | 281520  | 24.883  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 403171  | 21.367  | ug/l | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070518\  
 Data File : VN049711.D  
 Acq On : 5 Jul 2018 14:24  
 Operator : MD\SY  
 Sample : VN0705WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0705WBS01

Manual Integrations  
 APPROVED

sam  
 7/6/2018 4:25:51 PM

Quant Time: Jul 05 16:29:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 423225   | 19.900  | ug/l   | 96       |
| 40) Benzene                    | 8.04  | 78   | 1283513  | 21.671  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 138467   | 21.712  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 410716   | 21.729  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 533066   | 23.422  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 366347   | 20.510  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 337275   | 22.041  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 205963   | 22.248  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 429478   | 21.793  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 239042   | 23.777  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 68558    | 507.235 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1386445  | 124.991 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 776664   | 21.706  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 393158   | 20.835  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 465902   | 21.125  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 299624   | 22.489  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 362809   | 23.232  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 482690   | 22.343  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 688195   | 91.713  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 940228   | 128.186 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 320912   | 22.286  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 282710   | 22.146  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.63 | 164  | 420576   | 20.242  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 826784   | 20.655  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 304668   | 21.182  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1385009  | 20.931  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 1105522  | 43.596  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 527150   | 21.713  | ug/l   | 97       |
| 70) Styrene                    | 11.97 | 104  | 848964   | 21.611  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 214597   | 22.454  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1368503  | 21.052  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 394562   | 22.220  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 349668   | 25.208  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 338677m  | 25.876  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 360179   | 20.376  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 1592579  | 21.376  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 974550   | 20.668  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1176081  | 21.771  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 71985    | 18.680  | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 976225   | 20.591  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 979441   | 21.107  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1205569  | 21.719  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1312200  | 21.343  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1147265  | 21.543  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 644640   | 21.211  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 606886   | 20.379  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 886583   | 19.446  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 132273   | 23.646  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 635480   | 21.468  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 55982    | 24.158  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070518\  
Data File : VN049711.D  
Acq On : 5 Jul 2018 14:24  
Operator : MD\SY  
Sample : VN0705WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

Manual Integrations  
APPROVED

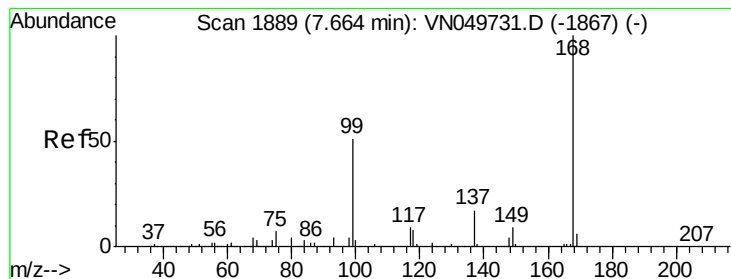
sam  
7/6/2018 4:25:51 PM

Quant Time: Jul 05 16:29:29 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 30 00:55:30 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 258691   | 18.780 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 193896   | 21.078 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 521875   | 18.514 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 268089   | 19.804 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion:168 Resp: 1170952

Ion Ratio Lower Upper

168 100

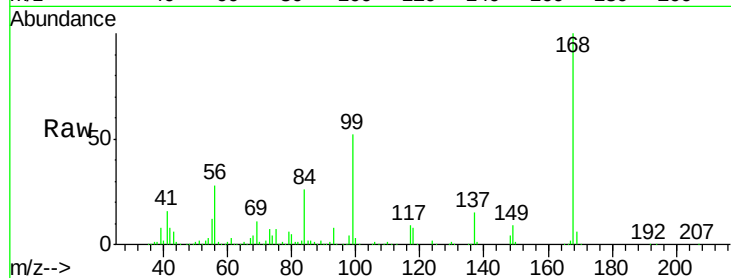
99 51.3 40.6 61.0

Manual Integrations

APPROVED

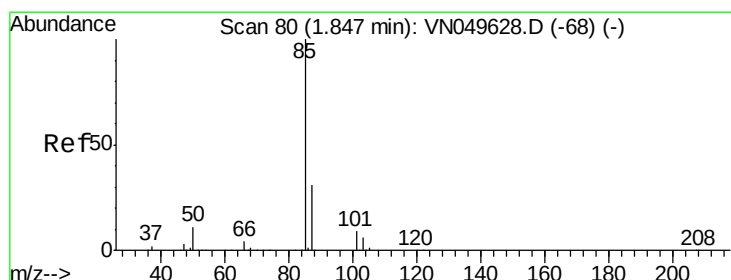
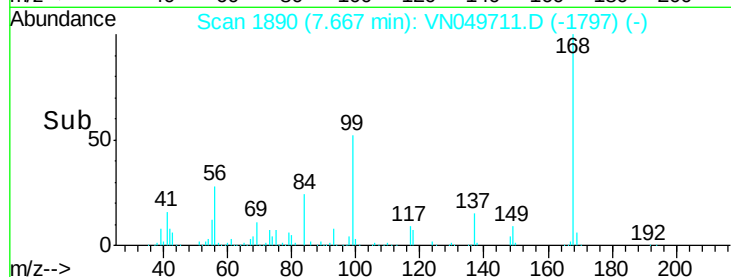
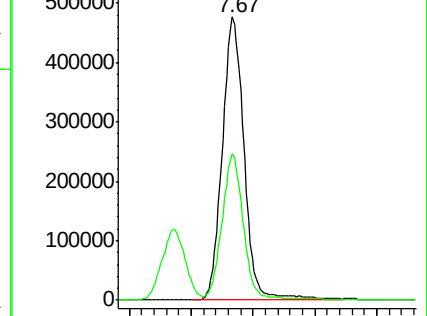
sam

7/6/2018 4:25:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.144 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049711.D

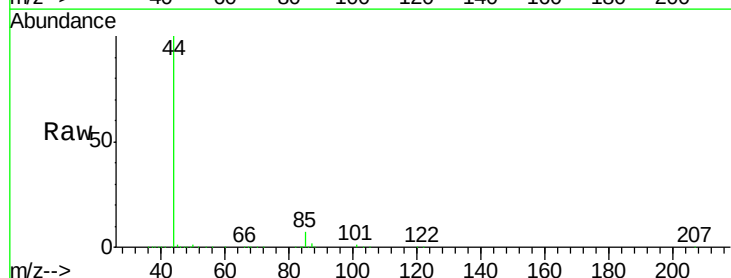
Acq: 5 Jul 2018 14:24

Tgt Ion: 85 Resp: 252629

Ion Ratio Lower Upper

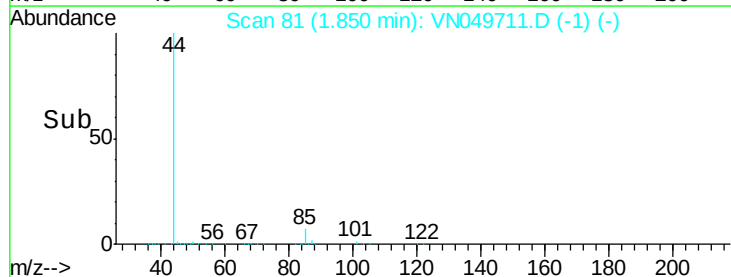
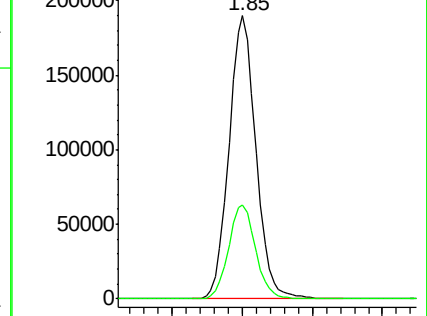
85 100

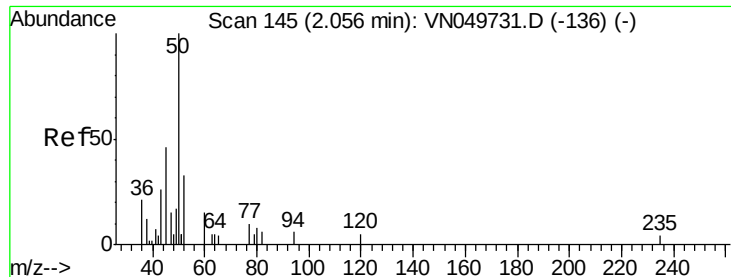
87 33.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.915 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion: 50 Resp: 328226

Ion Ratio Lower Upper

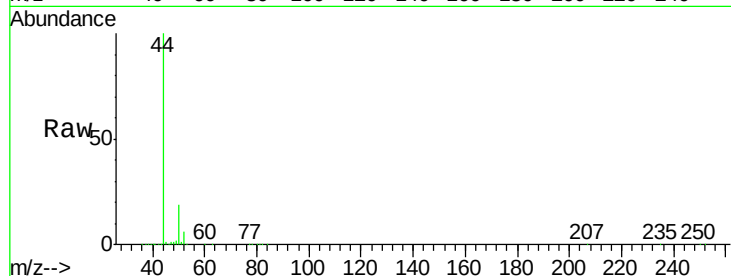
50 100

52 33.1 26.1 39.1

Manual Integrations  
APPROVED

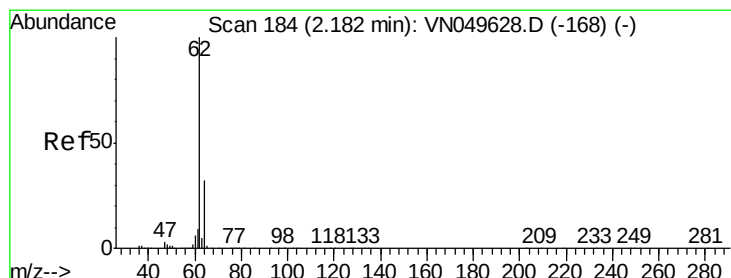
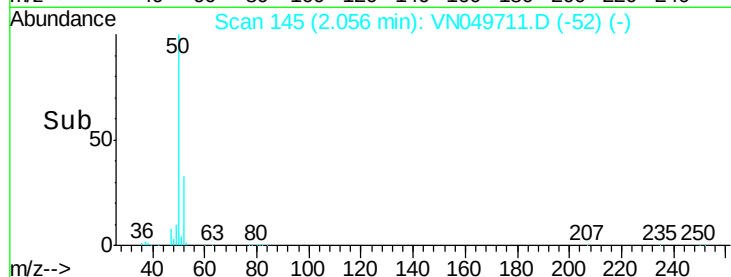
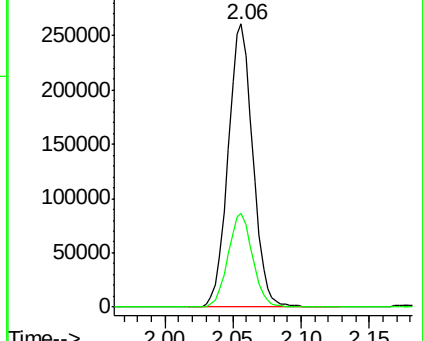
sam

7/6/2018 4:25:51 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.503 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049711.D

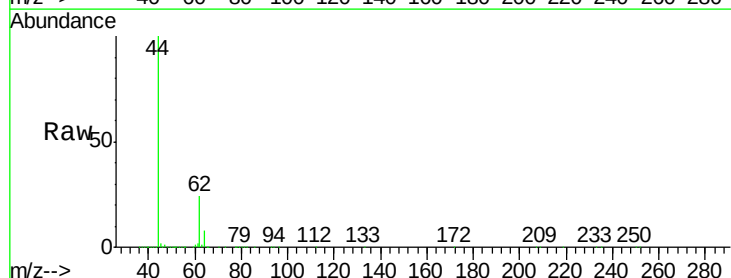
Acq: 5 Jul 2018 14:24

Tgt Ion: 62 Resp: 362944

Ion Ratio Lower Upper

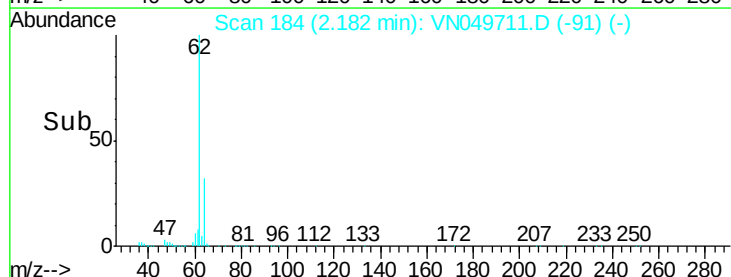
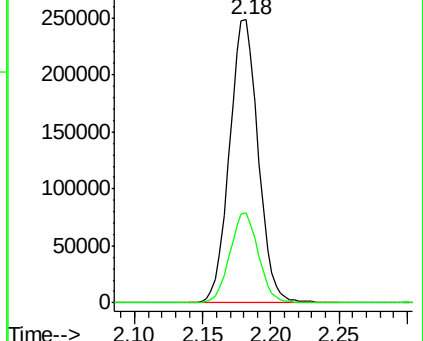
62 100

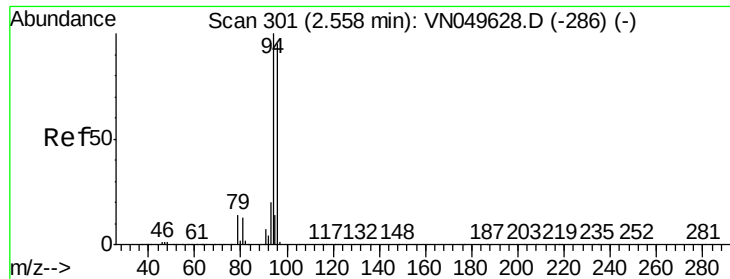
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 16.987 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0705WBS01

Tot Ion: 94 Resp: 157951

Ion Ratio Lower Upper

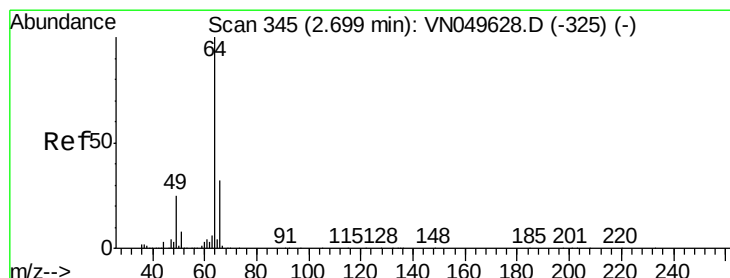
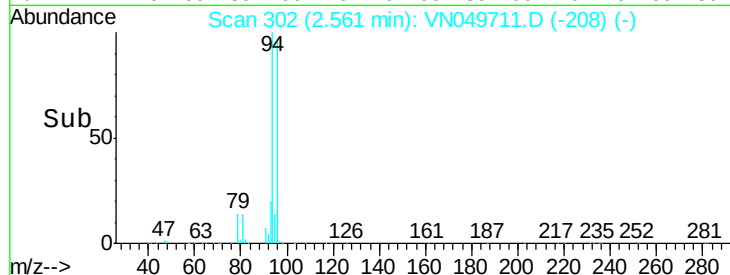
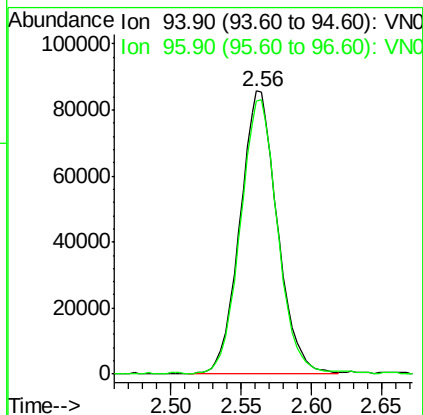
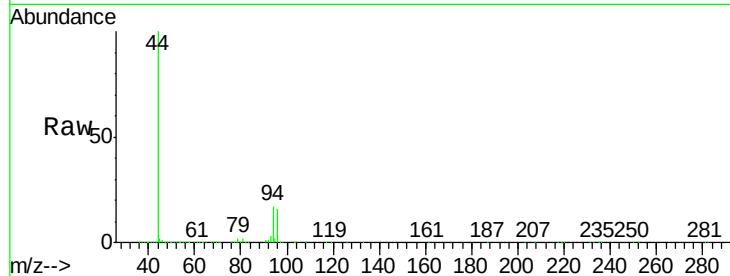
94 100

96 96.4 75.7 113.5

Manual Integrations  
APPROVED

sam

7/6/2018 4:25:51 PM



#6

Chloroethane

Concen: 20.659 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049711.D

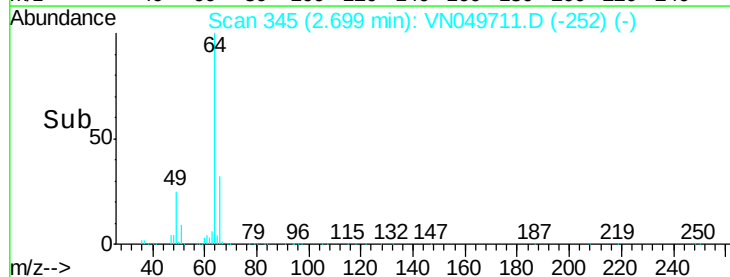
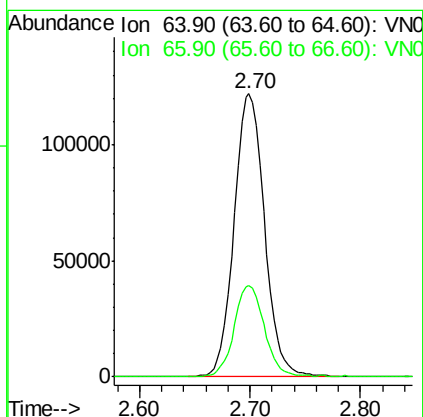
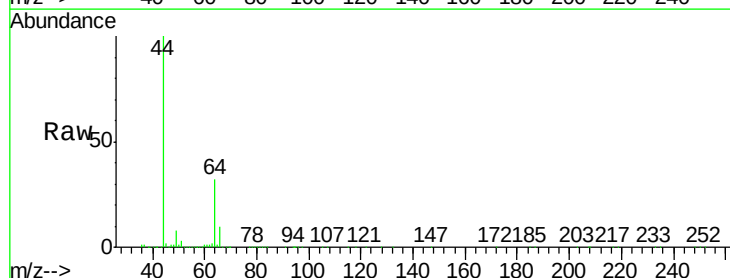
Acq: 5 Jul 2018 14:24

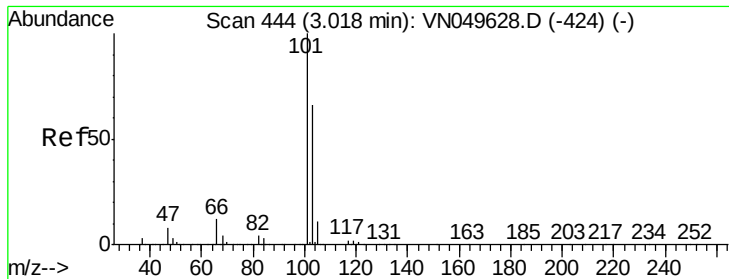
Tgt Ion: 64 Resp: 231466

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4





#7

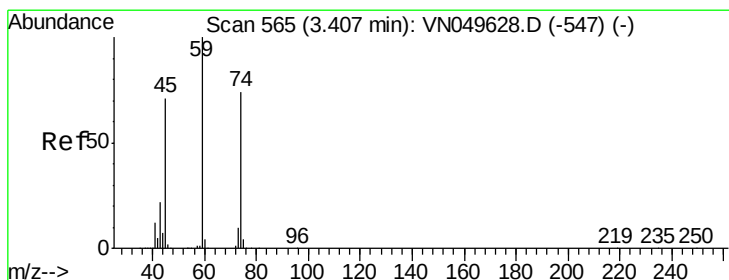
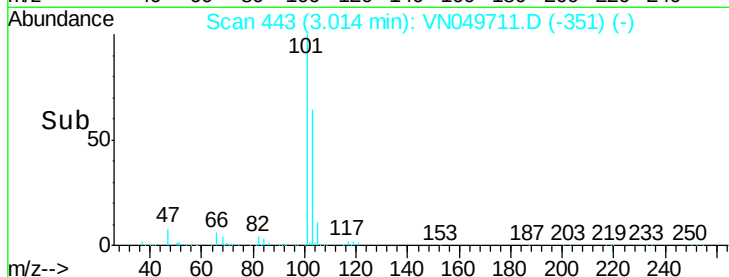
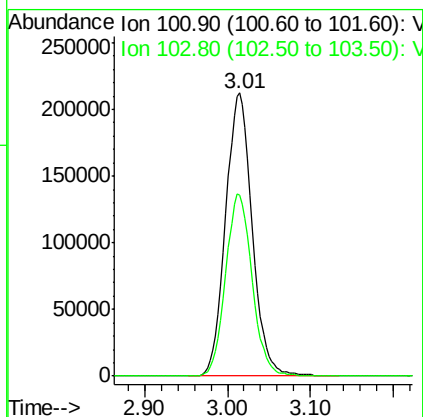
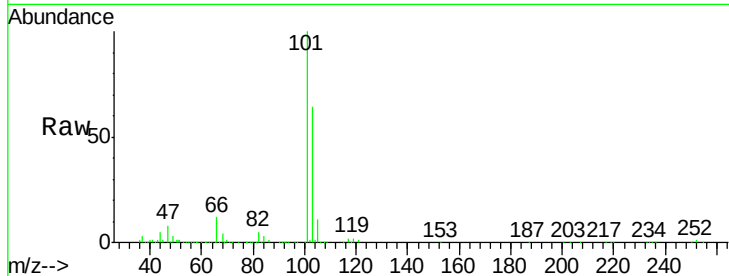
Trichlorofluoromethane  
Concen: 23.461 ug/l  
RT: 3.01 min Scan# 443  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.1  | 52.8  | 79.2  |

Manual Integrations  
APPROVED

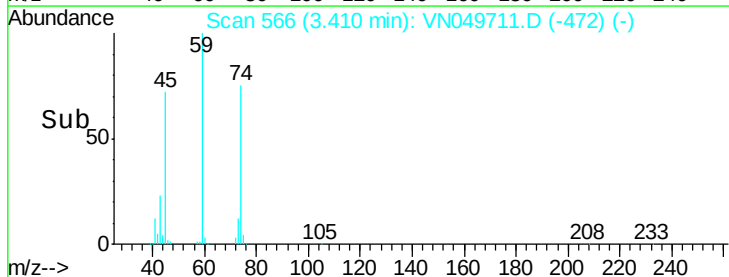
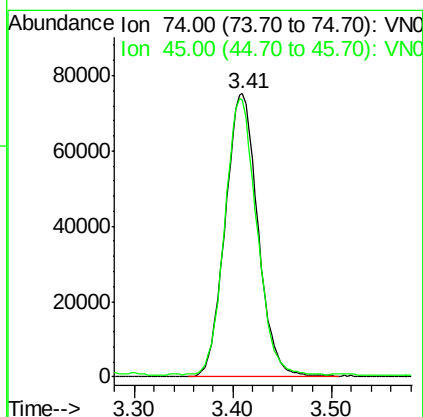
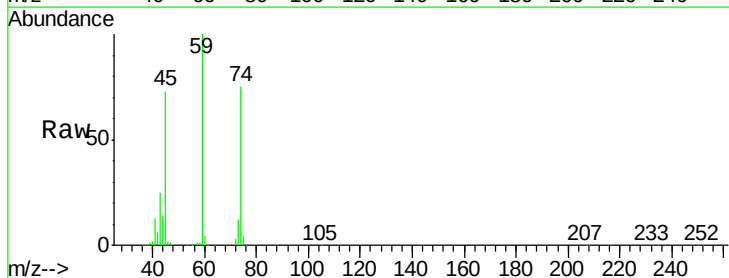
sam  
7/6/2018 4:25:51 PM



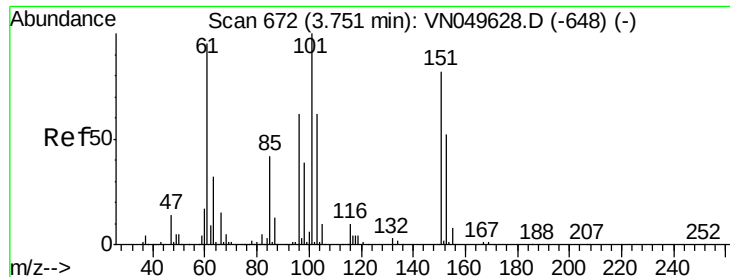
#8

Diethyl Ether  
Concen: 21.212 ug/l  
RT: 3.41 min Scan# 566  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.0  | 48.4  | 145.2 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.668 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

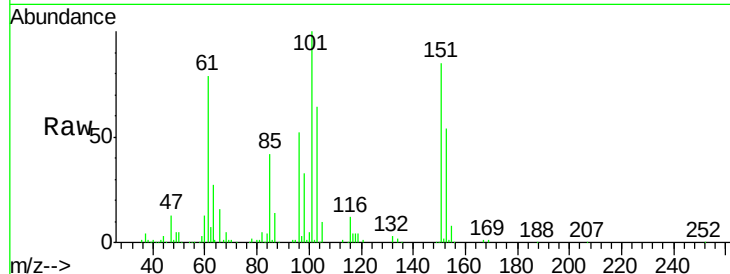
ClientSampled :

VN0705WBS01

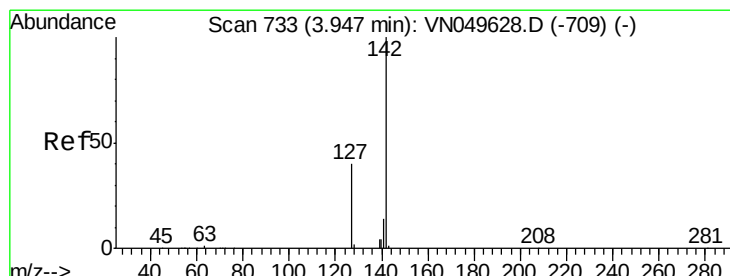
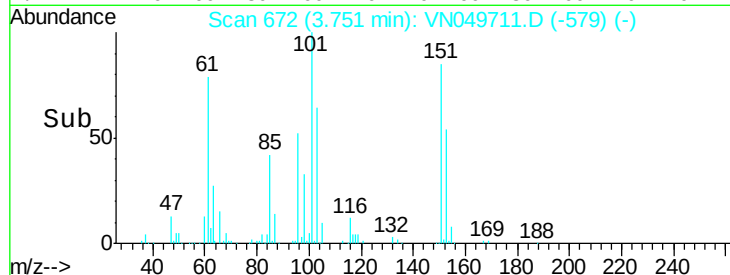
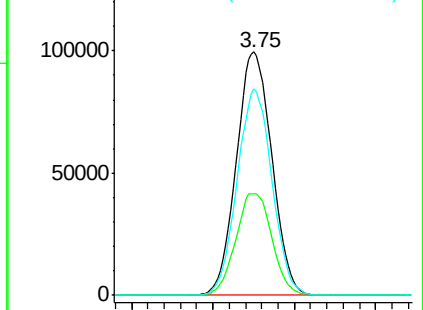
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 300671 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.6  | 34.4  | 51.6   |
| 151       | 83.1  | 66.2  | 99.4   |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.287 ug/l

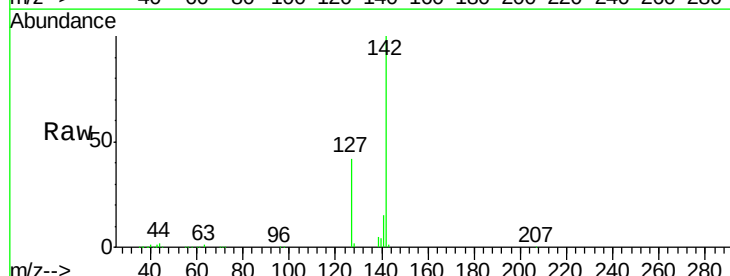
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

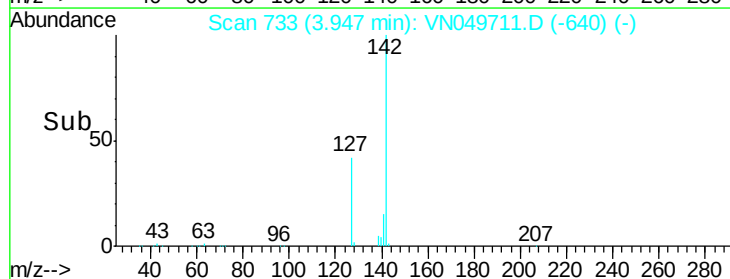
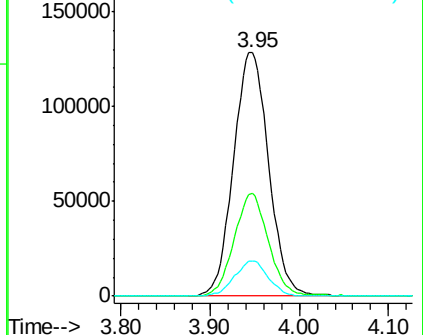
Lab File: VN049711.D

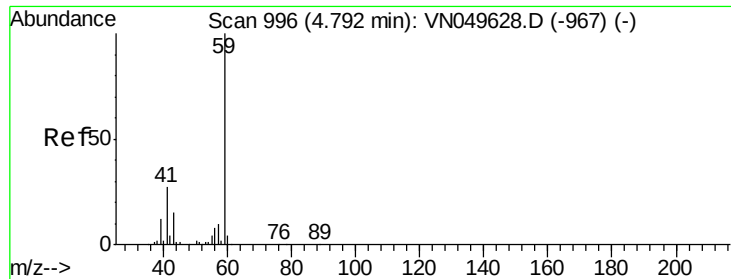
Acq: 5 Jul 2018 14:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 351140 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.3  | 32.5  | 48.7   |
| 141       | 14.0  | 11.1  | 16.7   |



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





#11

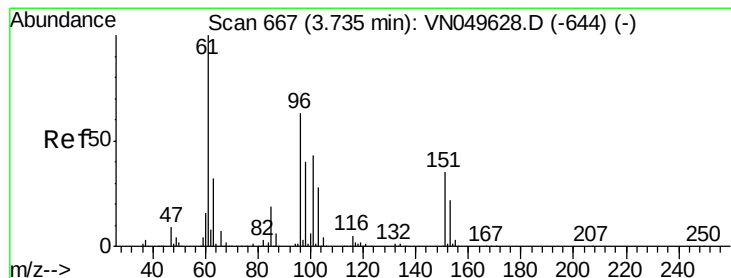
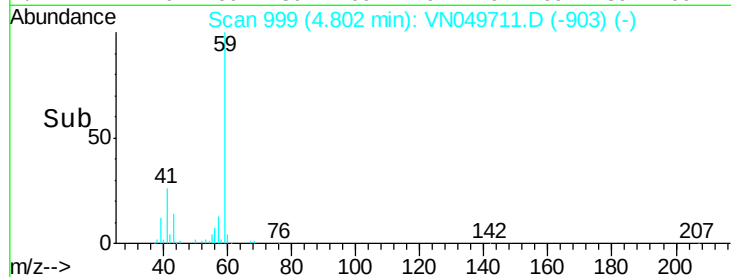
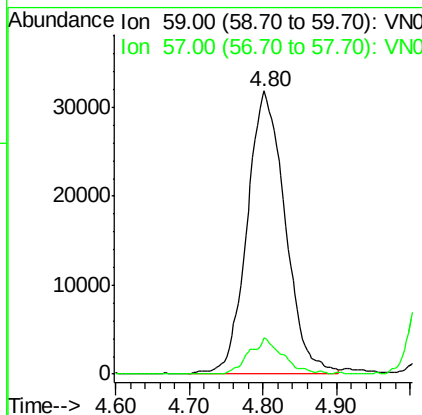
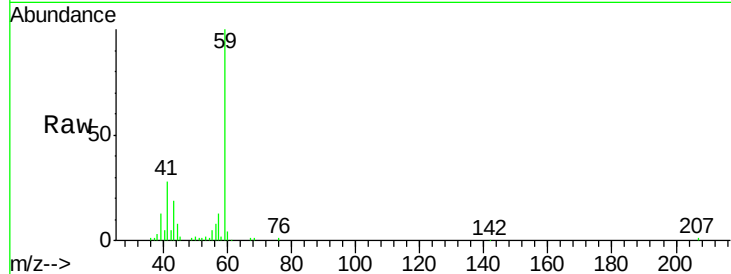
Tert butyl alcohol  
 Concen: 129.320 ug/l  
 RT: 4.80 min Scan# 999  
 Delta R.T. 0.01 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

| Tot Ion   | 59 | Resp | 114753 |
|-----------|----|------|--------|
| Ion Ratio | 59 | 100  |        |
| Lower     | 57 | 11.2 | 8.5    |
| Upper     |    |      | 12.7   |

Manual Integrations  
 APPROVED

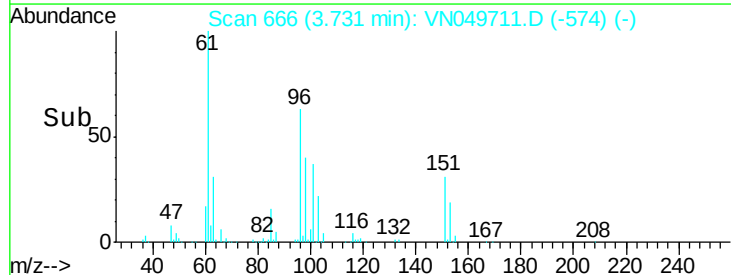
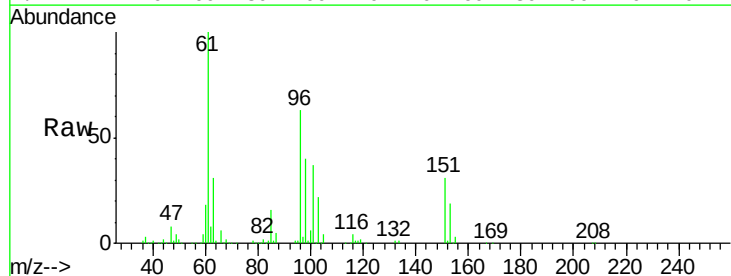
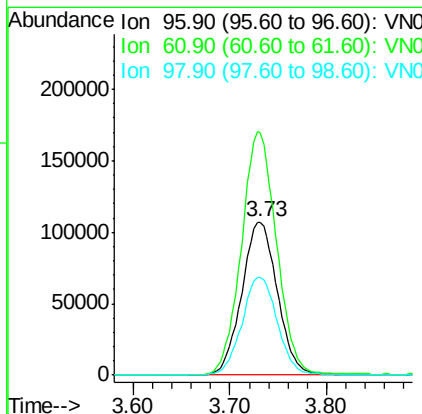
sam  
 7/6/2018 4:25:51 PM

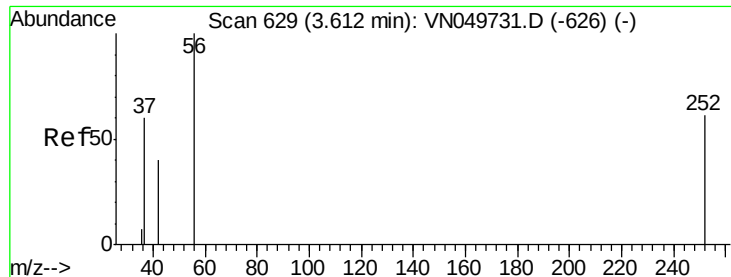


#12

1,1-Dichloroethene  
 Concen: 19.927 ug/l  
 RT: 3.73 min Scan# 666  
 Delta R.T. -0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion   | 96 | Resp  | 274066 |
|-----------|----|-------|--------|
| Ion Ratio | 96 | 100   |        |
| Lower     | 61 | 158.4 | 126.5  |
| Upper     | 98 | 63.9  | 51.0   |





#13

Acrolein

Concen: 51.759 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0705WBS01

Tot Ion: 56 Resp: 42901

Ion Ratio Lower Upper

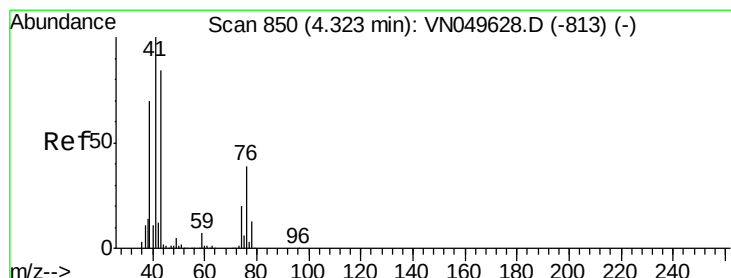
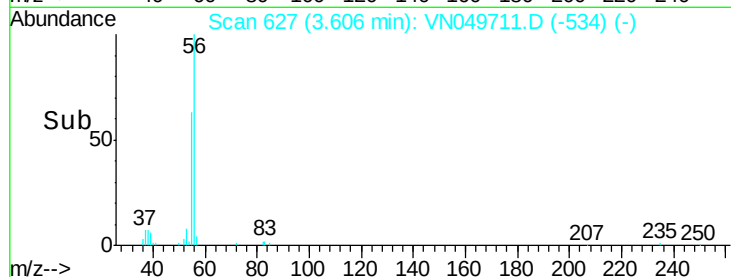
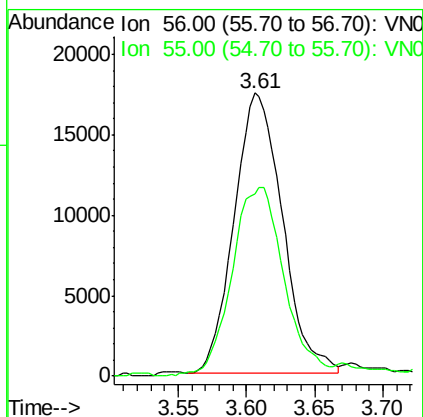
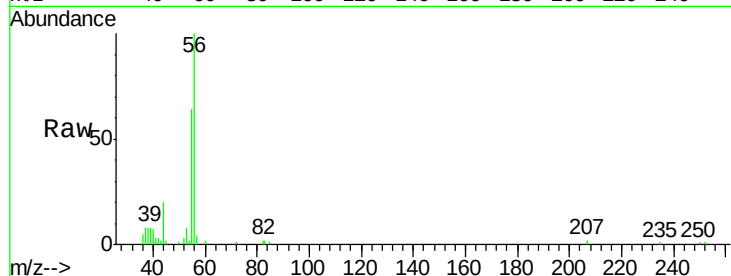
56 100

55 72.7 55.8 83.8

Manual Integrations  
APPROVED

sam

7/6/2018 4:25:51 PM



#14

Allyl chloride

Concen: 22.709 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

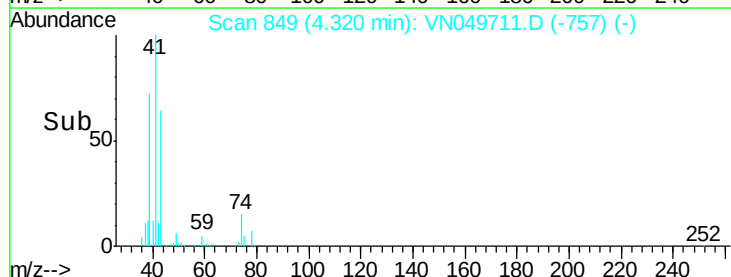
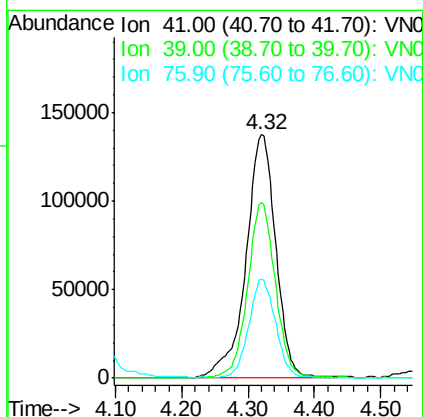
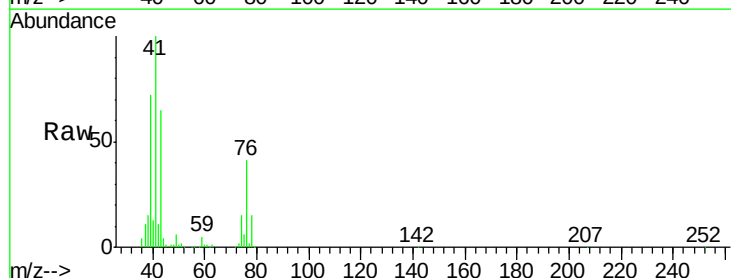
Tgt Ion: 41 Resp: 429014

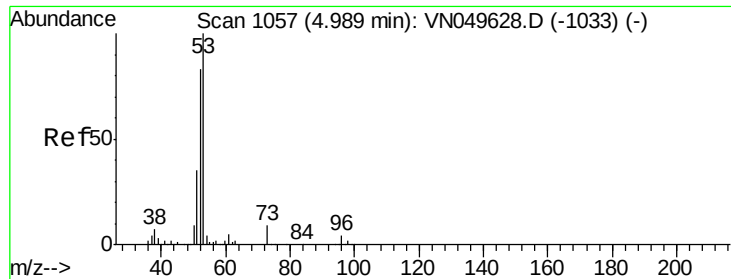
Ion Ratio Lower Upper

41 100

39 67.0 53.2 79.8

76 35.9 29.0 43.6





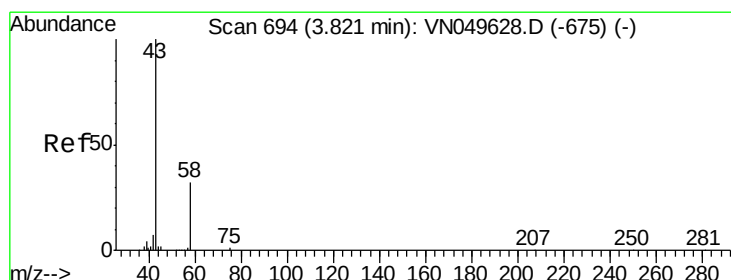
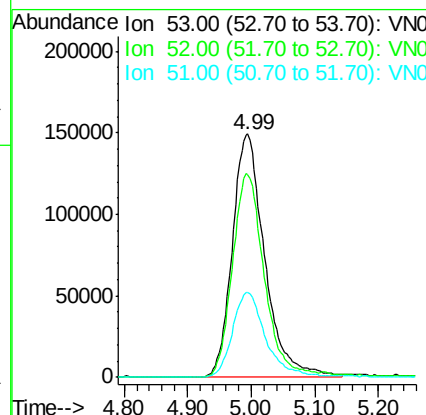
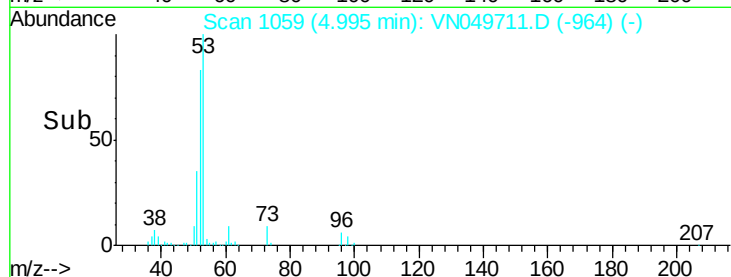
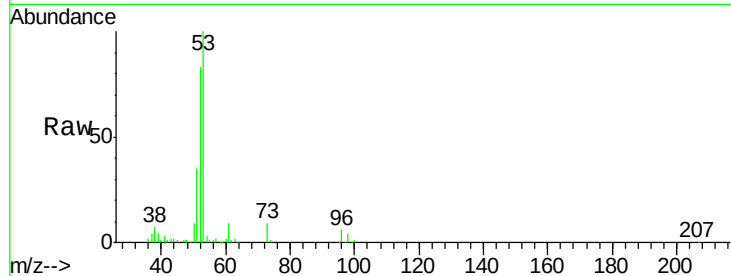
#15  
 Acrylonitrile  
 Concen: 115.419 ug/l  
 RT: 4.99 min Scan# 1059  
 Delta R.T. 0.01 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 53      | 100   | 528968 |       |       |
| 52      | 82.1  |        | 64.8  | 97.2  |
| 51      | 36.0  |        | 28.9  | 43.3  |

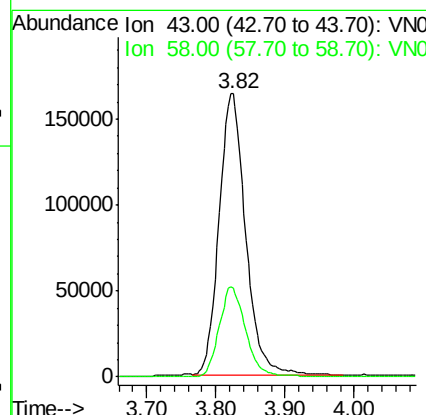
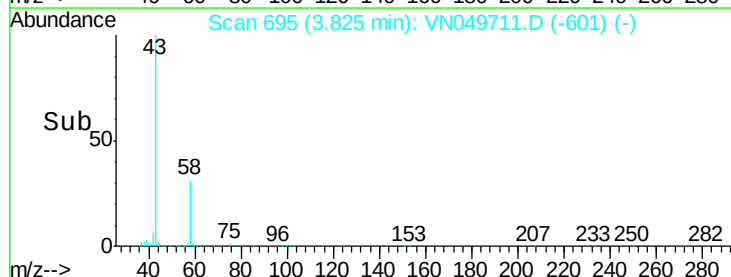
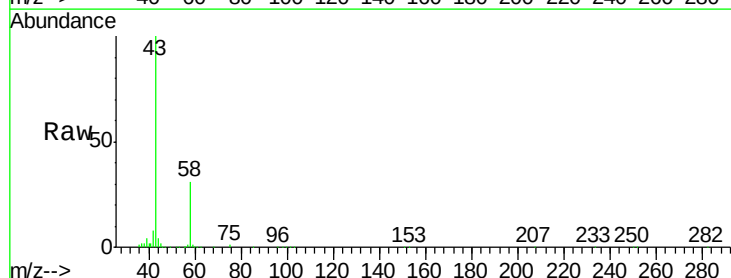
Manual Integrations  
 APPROVED

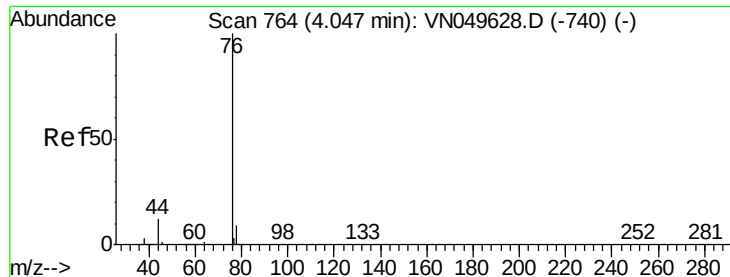
sam  
 7/6/2018 4:25:51 PM



#16  
 Acetone  
 Concen: 137.157 ug/l  
 RT: 3.82 min Scan# 695  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 437139 |       |       |
| 58      | 31.4  |        | 25.9  | 38.9  |





#17

Carbon Disulfide

Concen: 20.330 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0705WBS01

Tot Ion: 76 Resp: 777640

Ion Ratio Lower Upper

76 100

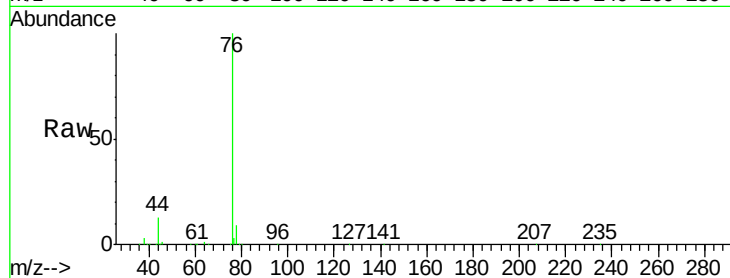
78 8.5 7.1 10.7

Manual Integrations

APPROVED

sam

7/6/2018 4:25:51 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

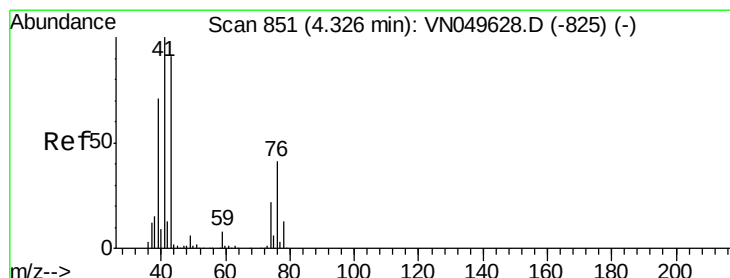
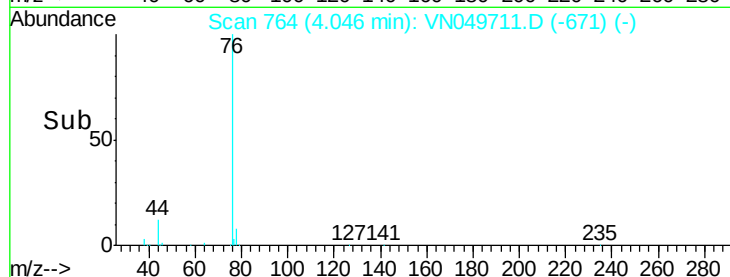
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 18.386 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049711.D

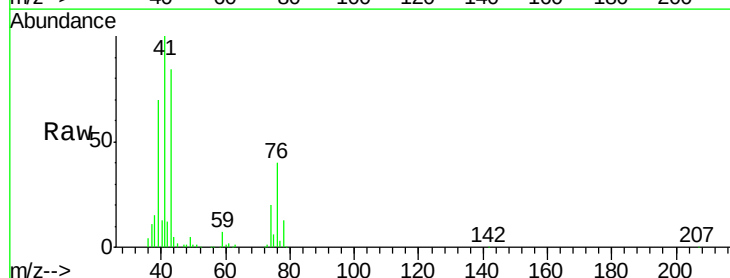
Acq: 5 Jul 2018 14:24

Tgt Ion: 43 Resp: 299081

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

120000

100000

80000

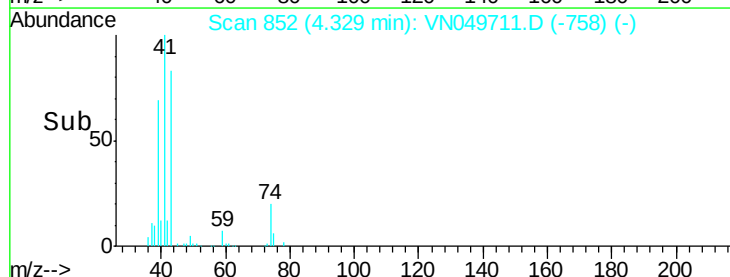
60000

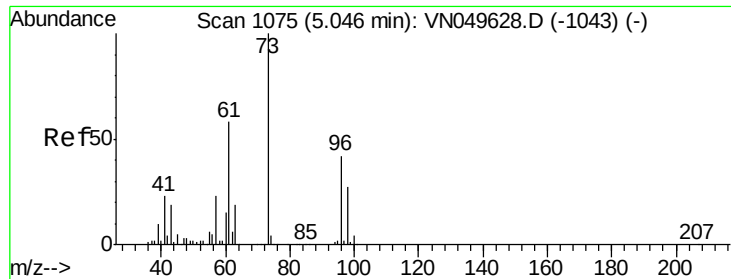
40000

20000

0

Time--> 4.20 4.30 4.40





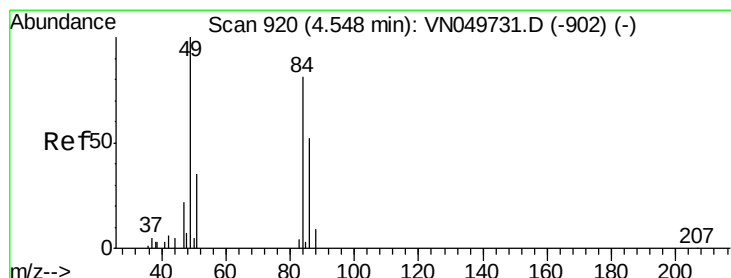
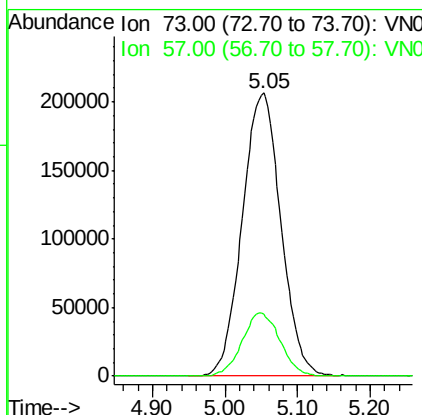
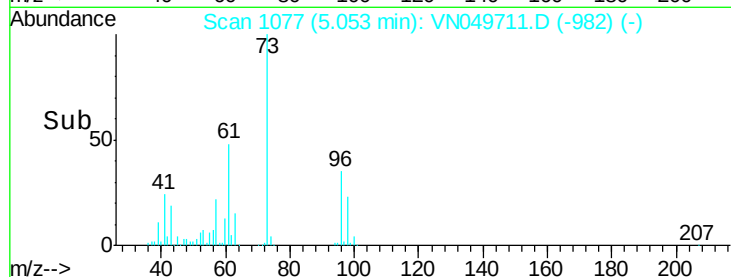
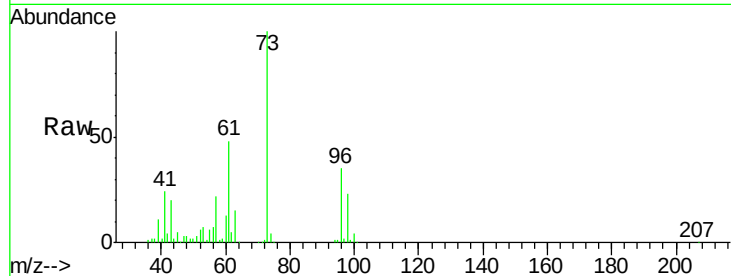
#19  
Methvl tert-butvl Ether  
Concen: 21.577 ug/l  
RT: 5.05 min Scan# 1077  
Delta R.T. 0.01 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

Tot Ion: 73 Resp: 764998  
Ion Ratio Lower Upper  
73 100  
57 22.0 18.1 27.1

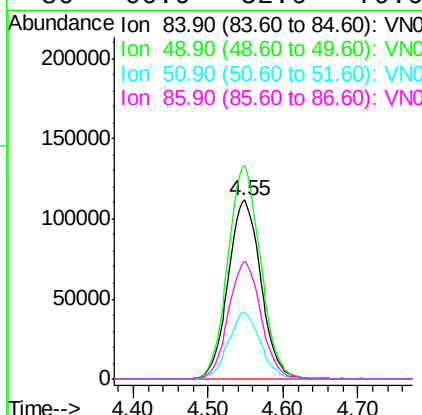
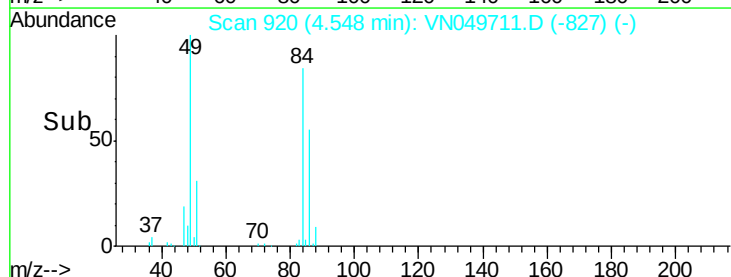
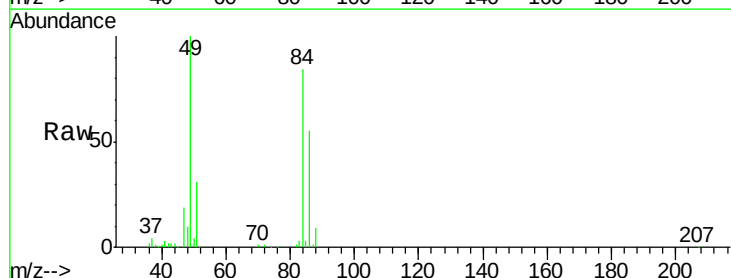
Manual Integrations  
APPROVED

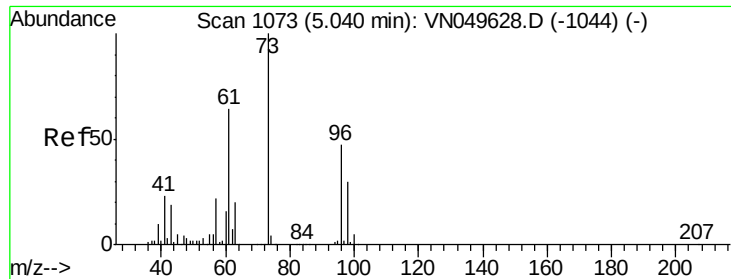
sam  
7/6/2018 4:25:51 PM



#20  
Methylene Chloride  
Concen: 21.400 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Tgt Ion: 84 Resp: 340764  
Ion Ratio Lower Upper  
84 100  
49 119.2 95.4 143.2  
51 37.3 28.4 42.6  
86 66.0 52.6 79.0





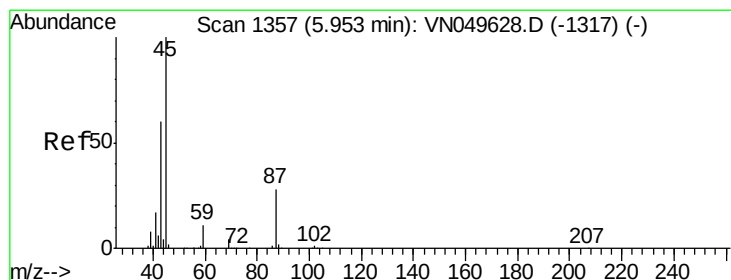
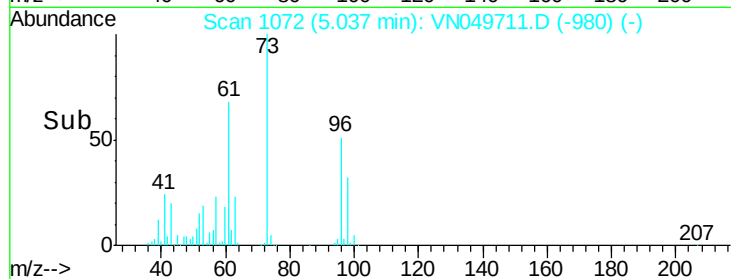
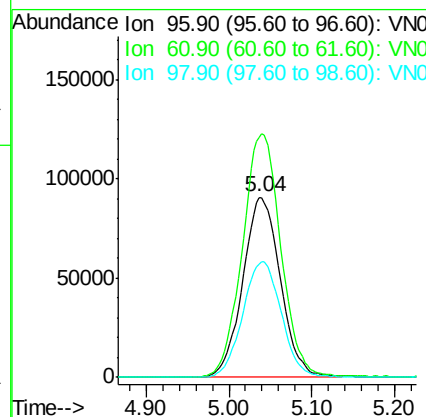
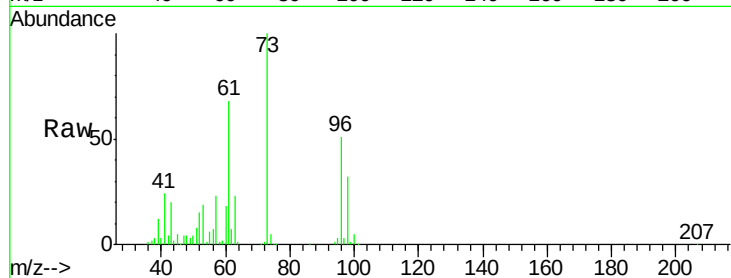
#21  
trans-1,2-Dichloroethene  
Concen: 20.182 ug/l  
RT: 5.04 min Scan# 1072  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.3 | 109.0 | 163.6 |
| 98      | 62.9  | 51.1  | 76.7  |

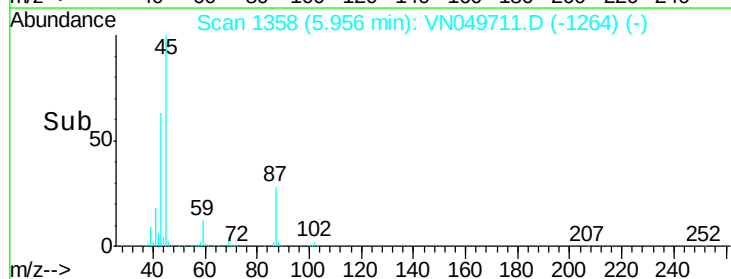
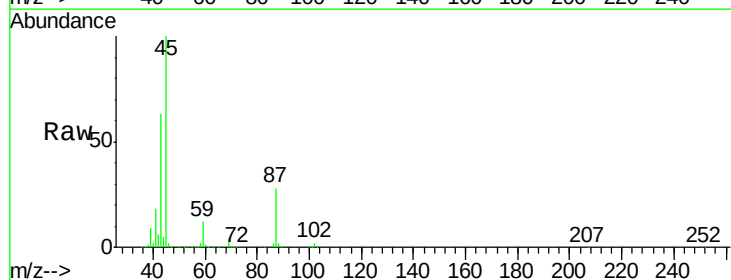
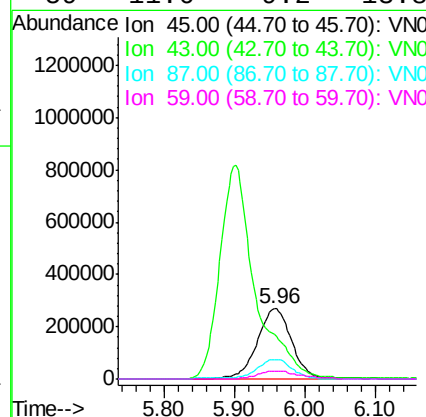
Manual Integrations  
APPROVED

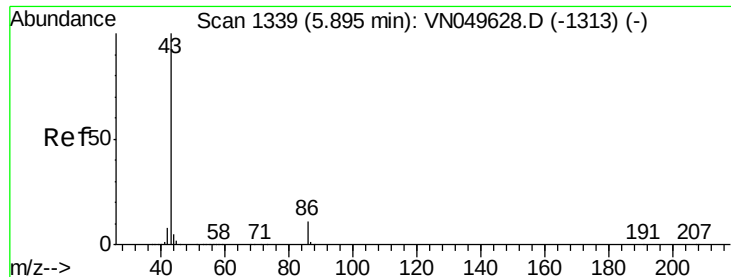
sam  
7/6/2018 4:25:51 PM



#22  
Diisopropyl ether  
Concen: 21.409 ug/l  
RT: 5.96 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.8  | 48.1  | 72.1  |
| 87      | 27.8  | 22.6  | 34.0  |
| 59      | 11.6  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 103.568 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0705WBS01

Tot Ion: 43 Resp: 2870585

Ion Ratio Lower Upper

43 100

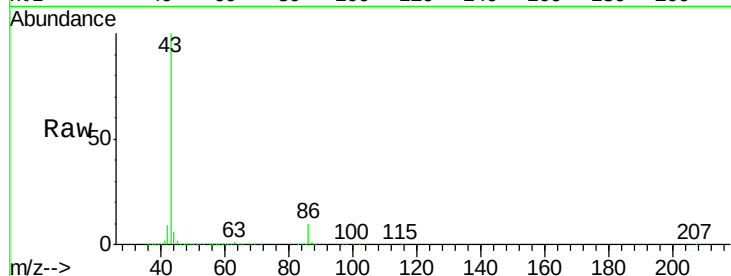
86 10.3 8.4 12.6

Manual Integrations

APPROVED

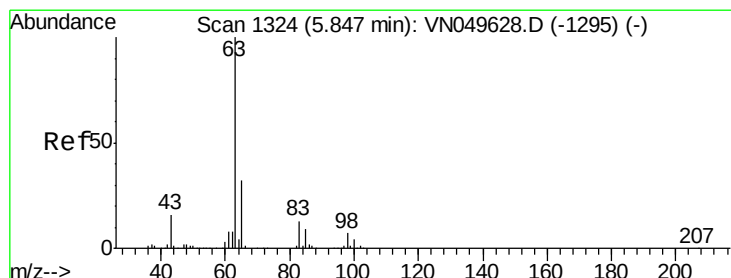
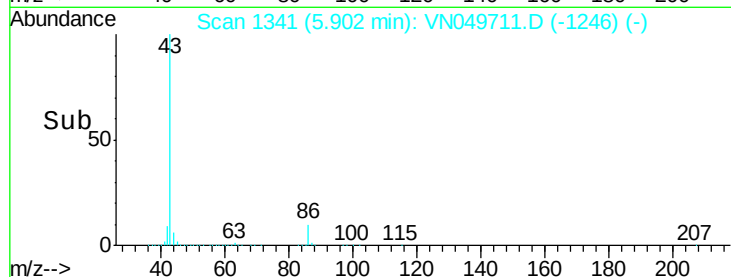
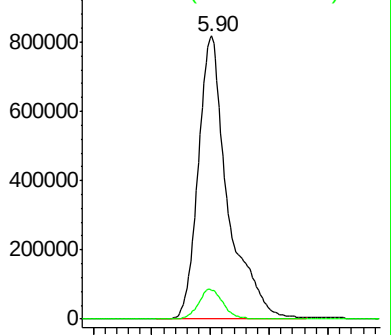
sam

7/6/2018 4:25:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.875 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

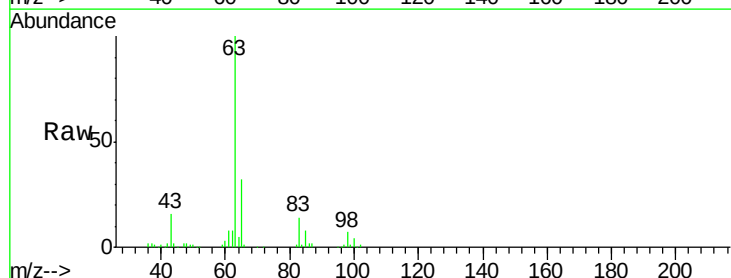
Tgt Ion: 63 Resp: 562097

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

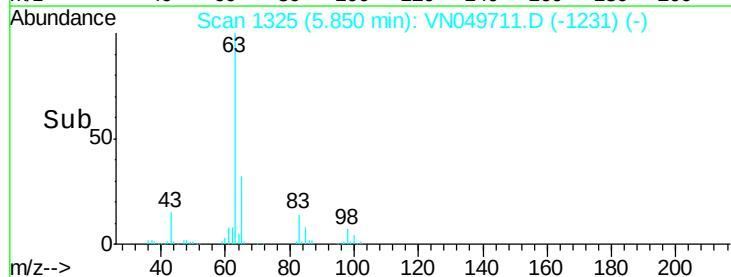
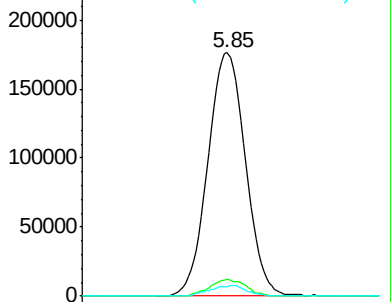
100 4.0 2.2 6.6



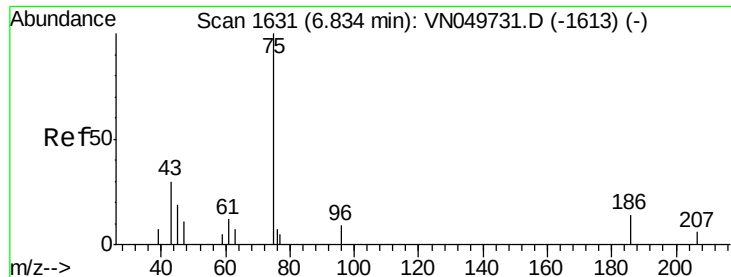
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0







#25

2-Butanone

Concen: 123.157 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion: 43 Resp: 632234

Ion Ratio Lower Upper

43 100

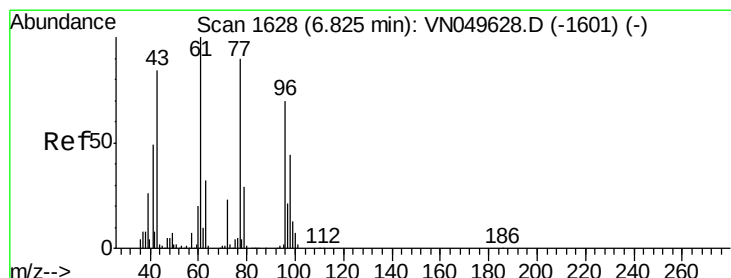
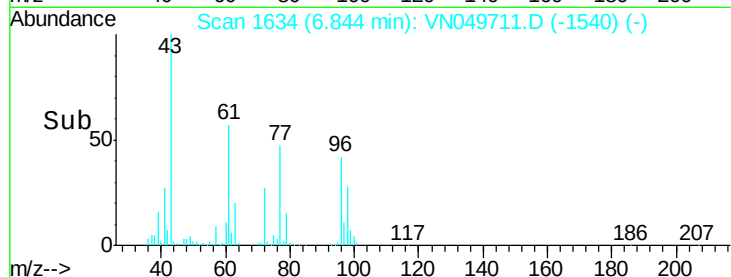
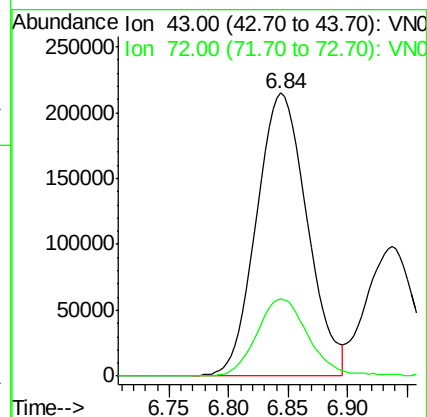
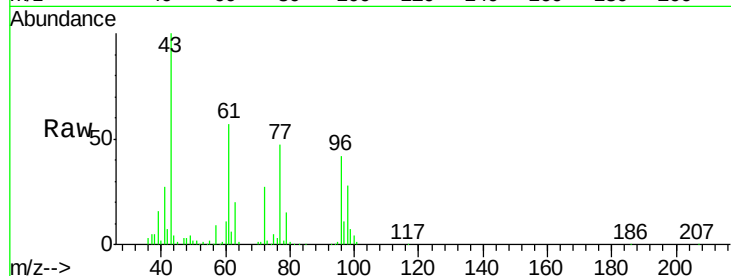
72 27.3 22.1 33.1

Manual Integrations

APPROVED

sam

7/6/2018 4:25:51 PM



#26

2,2-Dichloropropane

Concen: 20.631 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049711.D

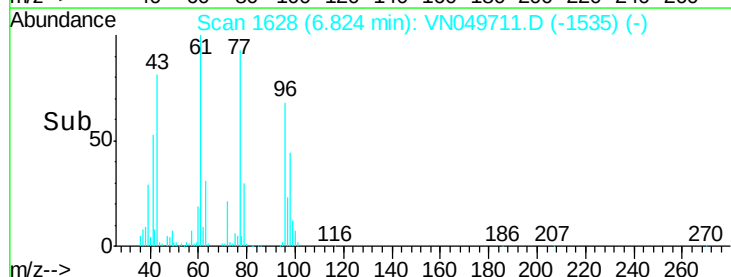
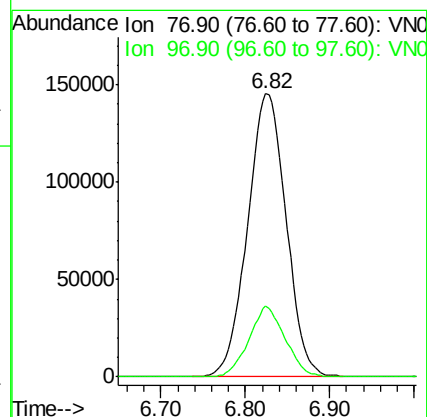
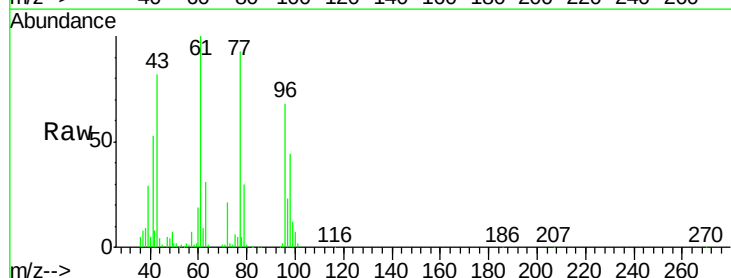
Acq: 5 Jul 2018 14:24

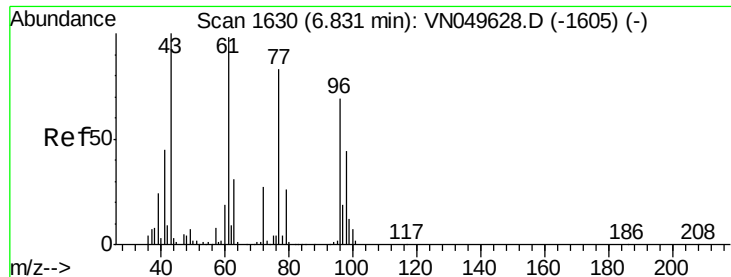
Tgt Ion: 77 Resp: 461381

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.616 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

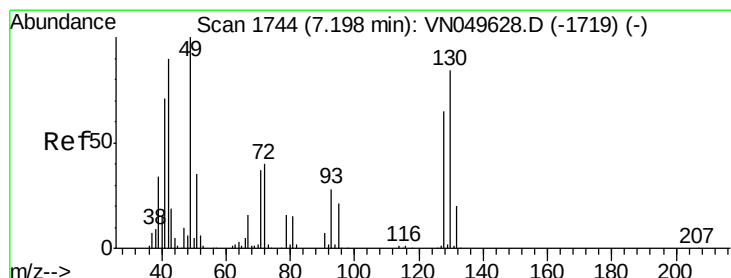
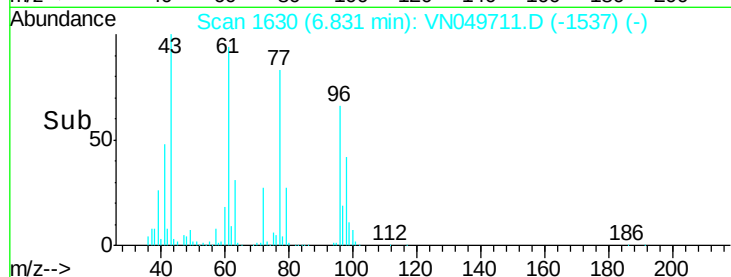
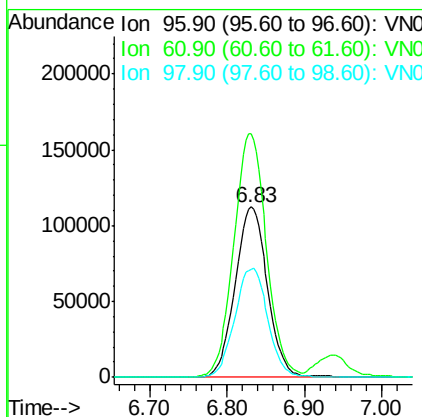
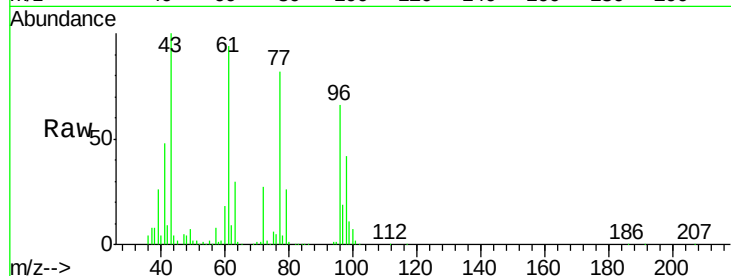
ClientSampleId :

VN0705WBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 96      | 100   |       | 325969 |       |       |
| 61      | 144.1 | 0.0   | 289.0  |       |       |
| 98      | 65.6  | 0.0   | 130.2  |       |       |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#28

Bromochloromethane

Concen: 20.405 ug/l

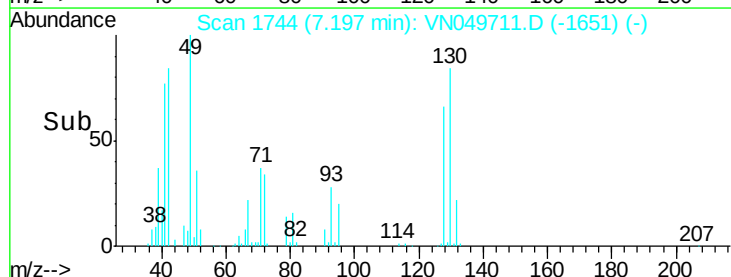
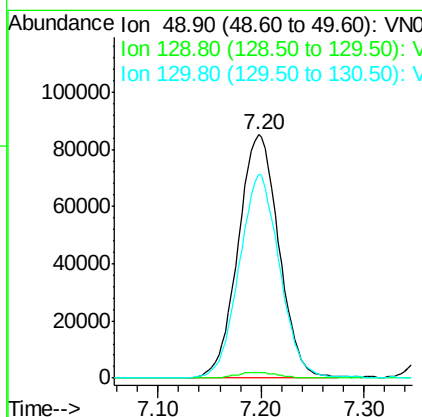
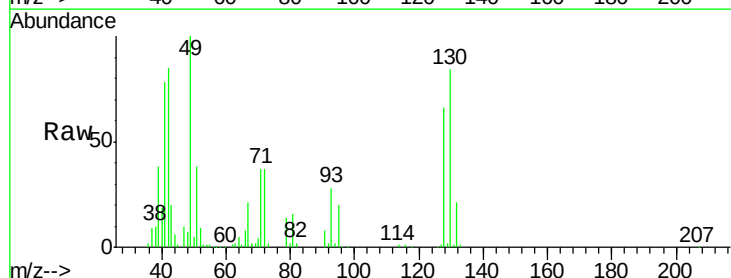
RT: 7.20 min Scan# 1744

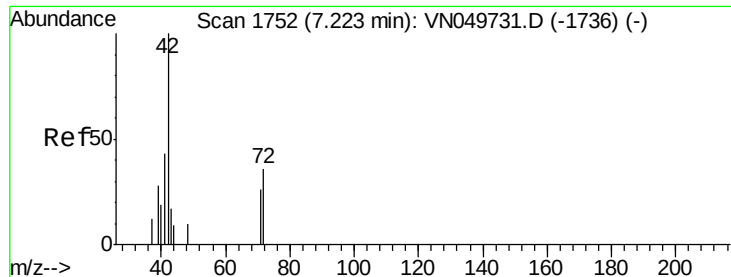
Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 49      | 100  |       | 233194 |       |       |
| 129     | 2.4  | 0.0   | 4.2    |       |       |
| 130     | 83.3 | 65.5  | 98.3   |       |       |





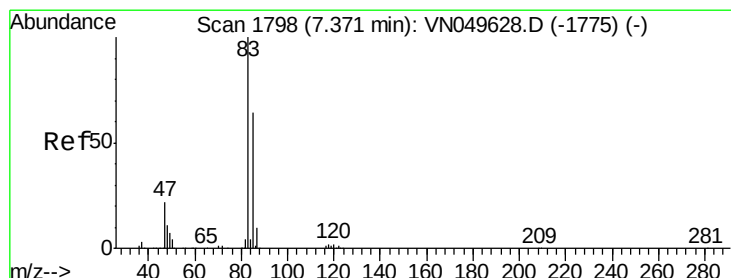
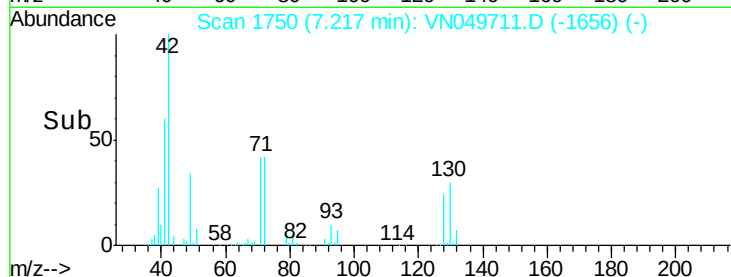
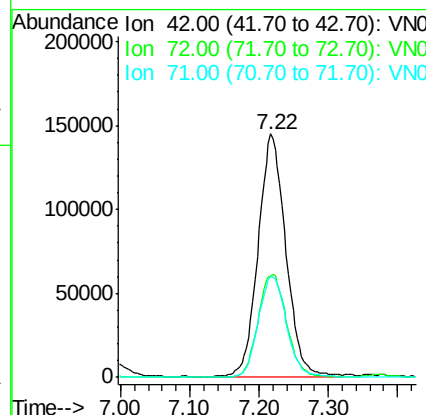
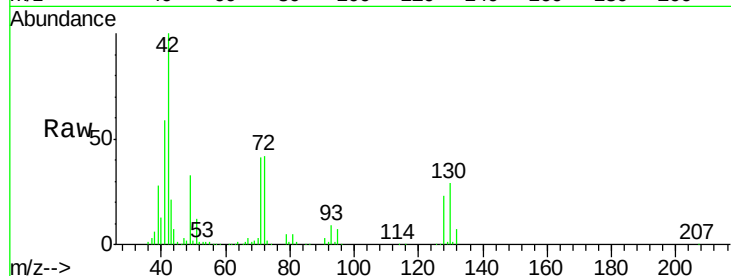
#29  
Tetrahydrofuran  
Concen: 122.676 ug/l  
RT: 7.22 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.9  | 35.6  | 53.4  |
| 71      | 42.2  | 34.0  | 51.0  |

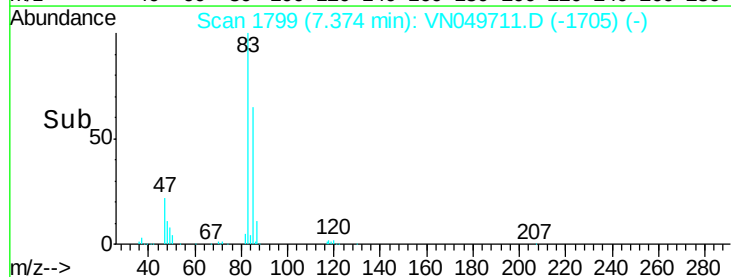
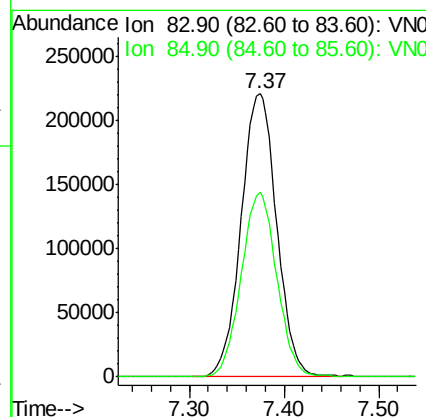
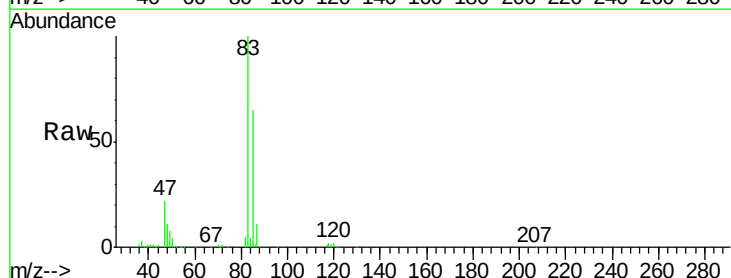
Manual Integrations  
APPROVED

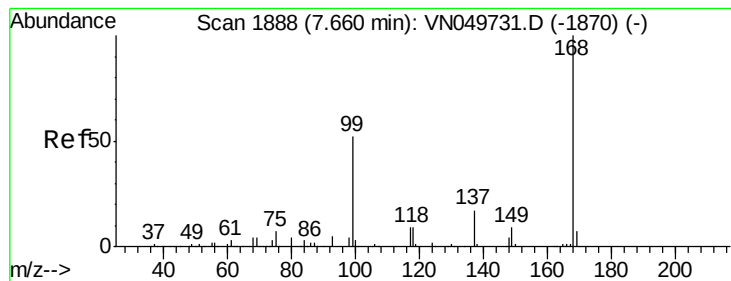
sam  
7/6/2018 4:25:51 PM



#30  
Chloroform  
Concen: 21.025 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 19.895 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

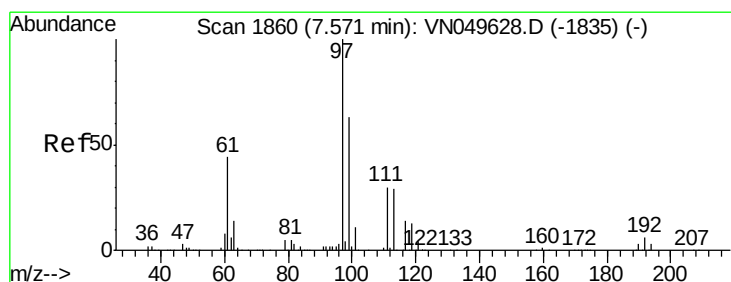
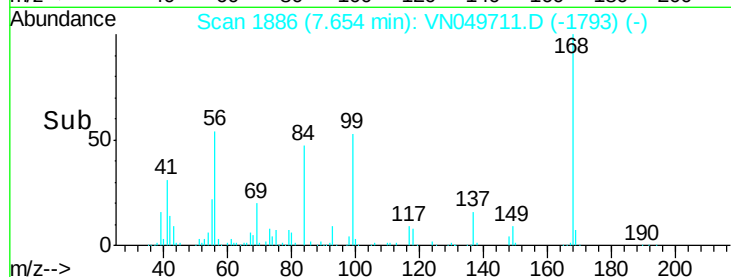
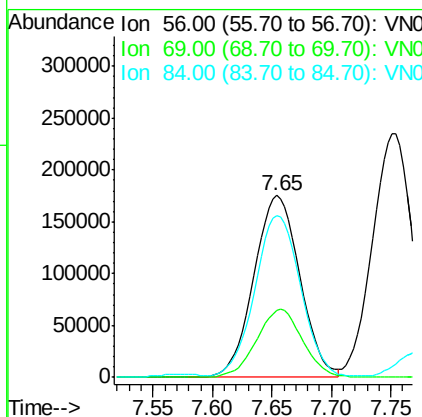
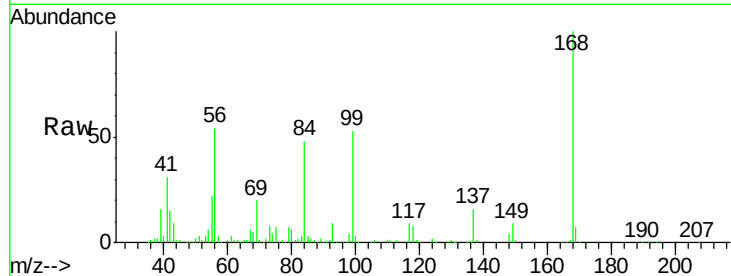
ClientSampled :

VN0705WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 469497 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 36.8  | 26.6  | 40.0   |
| 84        | 87.9  | 69.0  | 103.6  |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#32

1,1,1-Trichloroethane

Concen: 20.976 ug/l

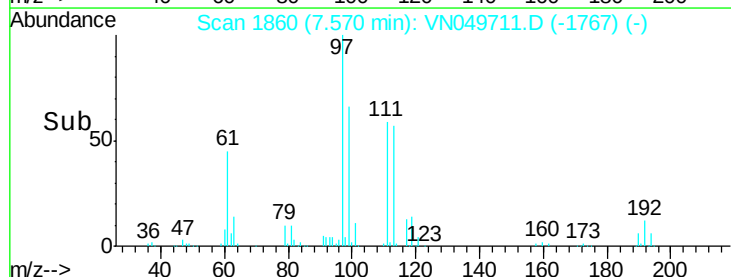
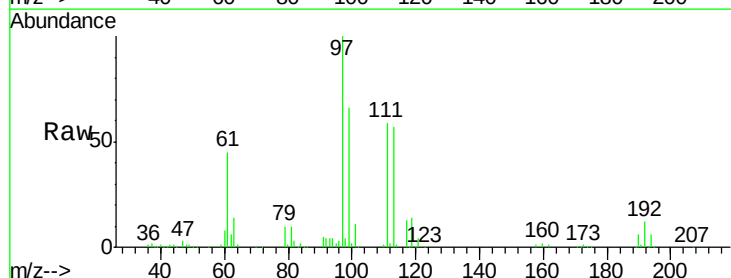
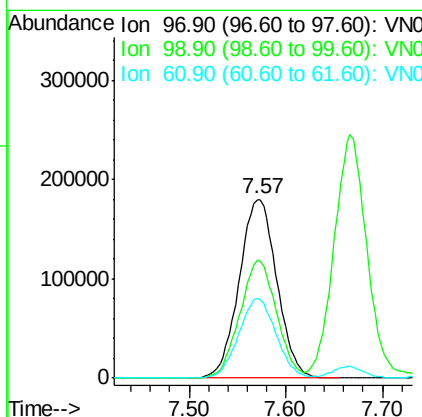
RT: 7.57 min Scan# 1860

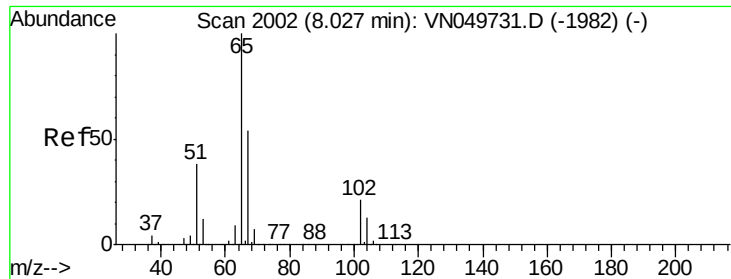
Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 487452 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.2  | 51.0  | 76.4   |
| 61        | 44.1  | 35.5  | 53.3   |





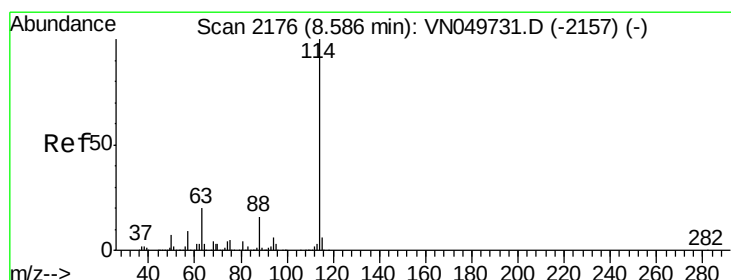
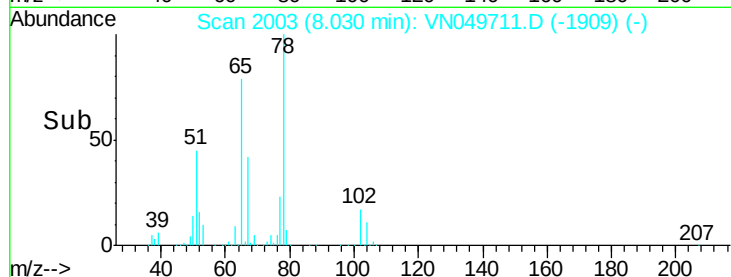
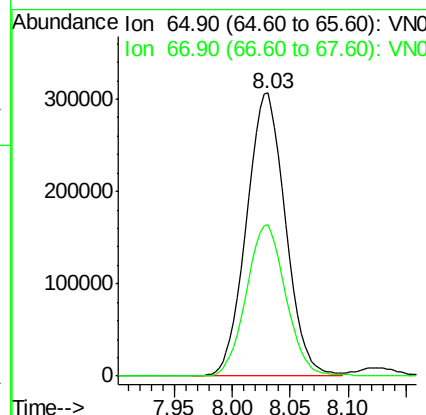
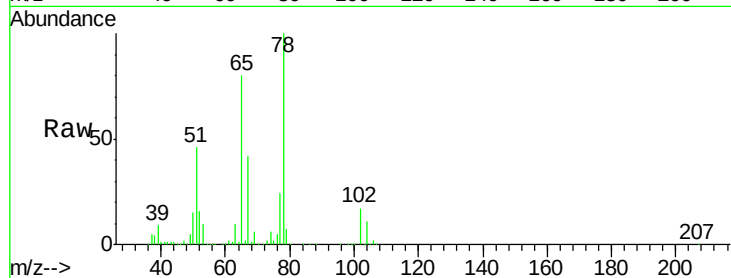
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.466 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

Tot Ion: 65 Resp: 718523  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 107.2

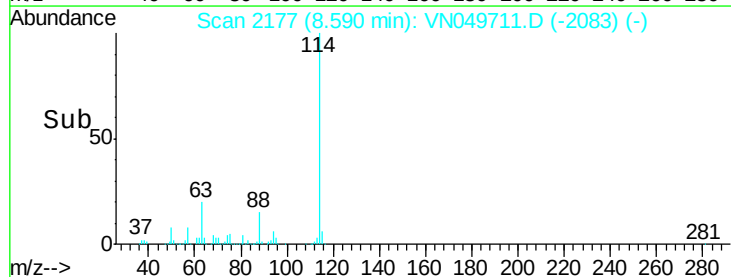
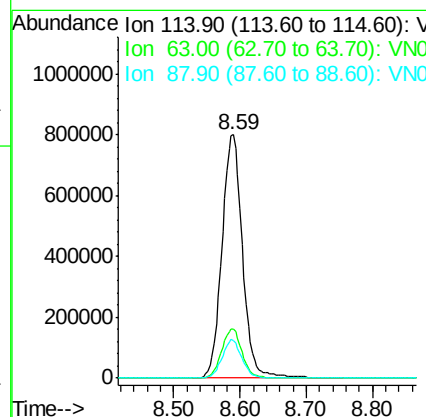
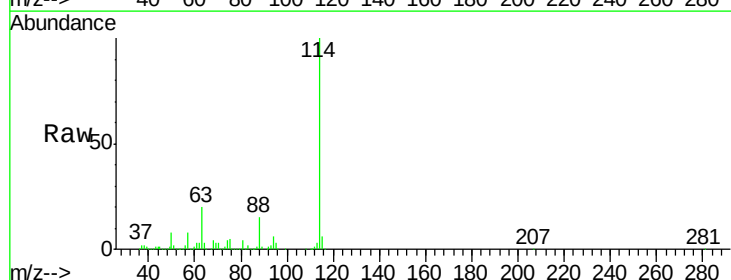
Manual Integrations  
 APPROVED

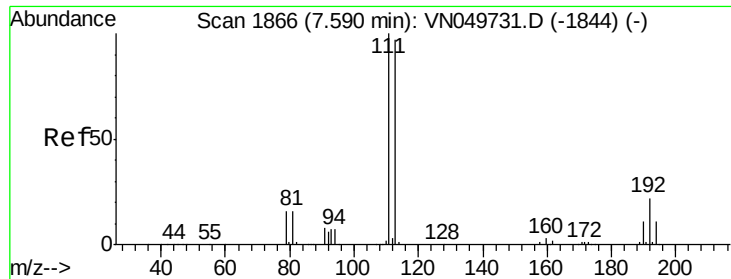
sam  
 7/6/2018 4:25:51 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Tgt Ion: 114 Resp: 1724083  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 39.8  
 88 15.4 0.0 30.6





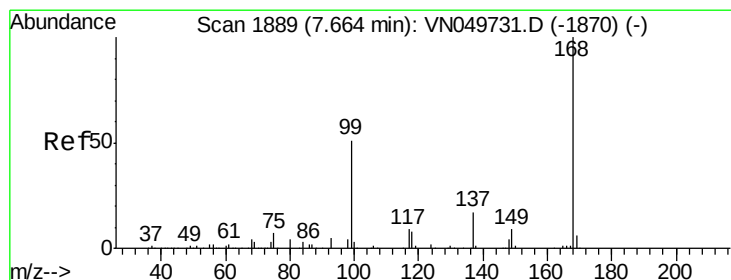
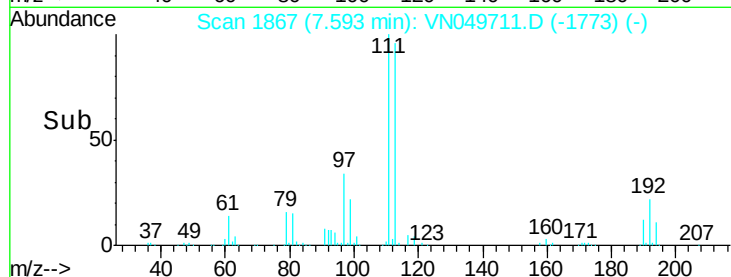
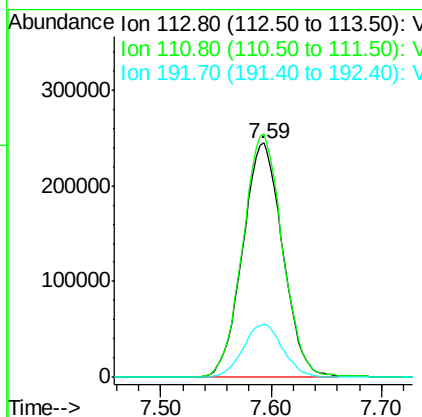
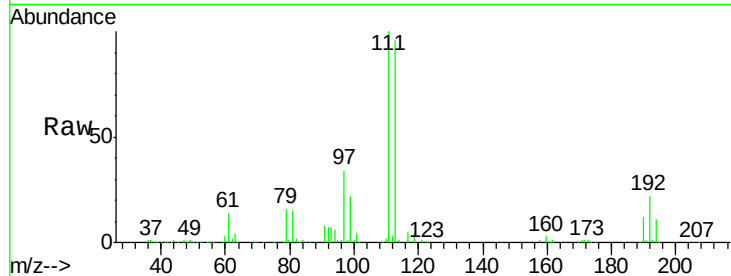
#35  
Dibromofluoromethane  
Concen: 47.747 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.7 | 81.8 | 122.8 |       |
| 192     | 22.5  | 17.8 | 26.6  |       |

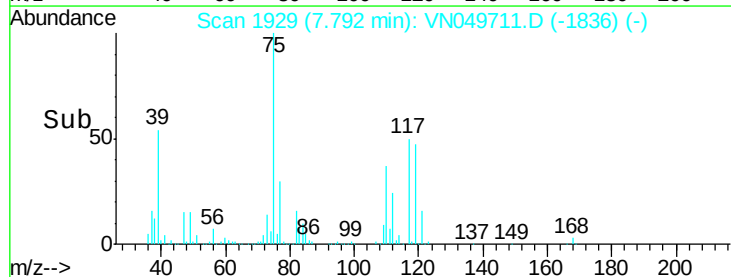
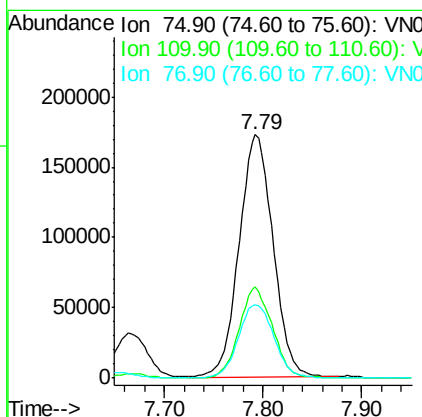
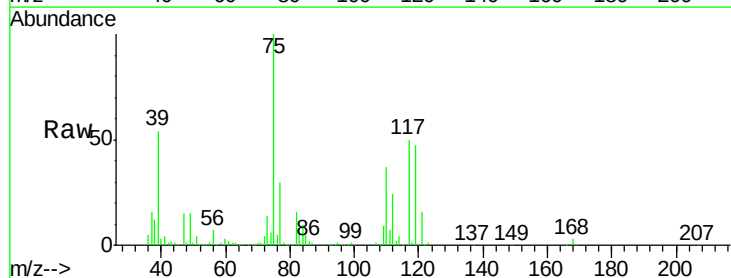
Manual Integrations  
APPROVED

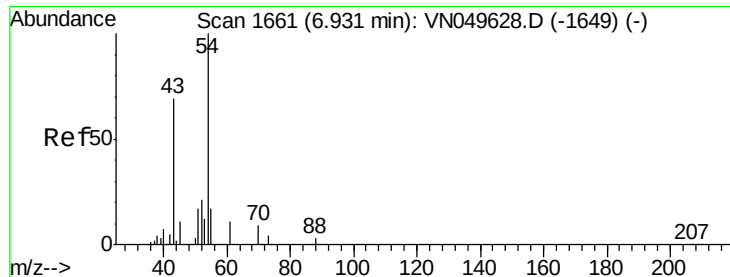
sam  
7/6/2018 4:25:51 PM



#36  
1,1-Dichloropropene  
Concen: 21.181 ug/l  
RT: 7.79 min Scan# 1929  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 36.8  | 18.1 | 54.4  |       |
| 77      | 32.1  | 24.9 | 37.3  |       |





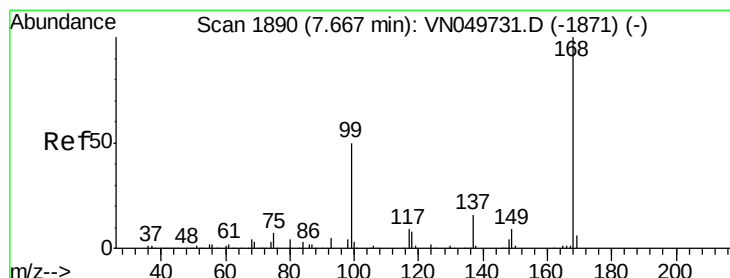
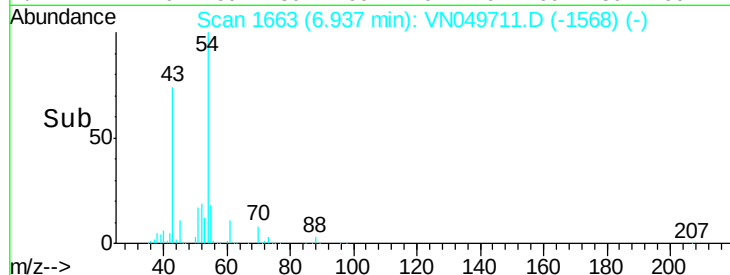
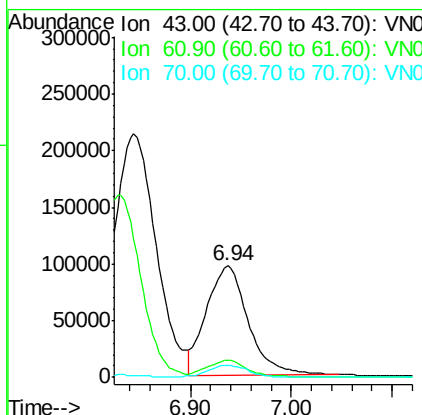
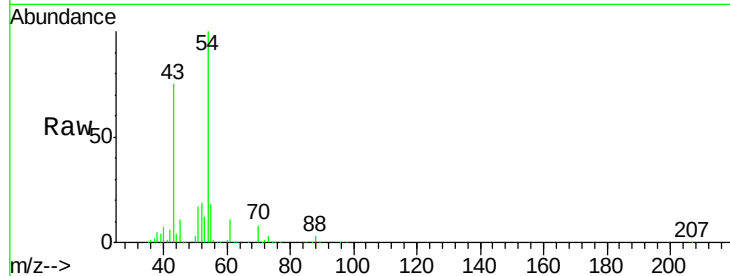
#37  
Ethyl Acetate  
Concen: 24.883 ug/l  
RT: 6.94 min Scan# 1663  
Delta R.T. 0.01 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.4  | 11.7  | 17.5  |
| 70      | 10.9  | 8.4   | 12.6  |

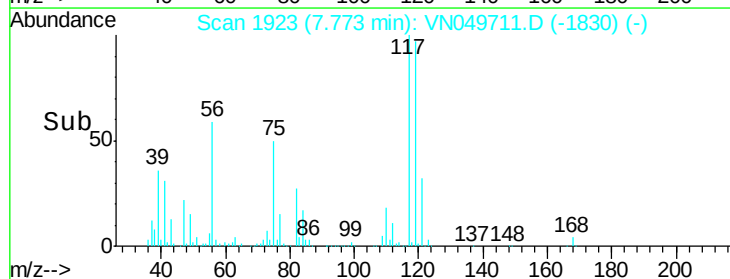
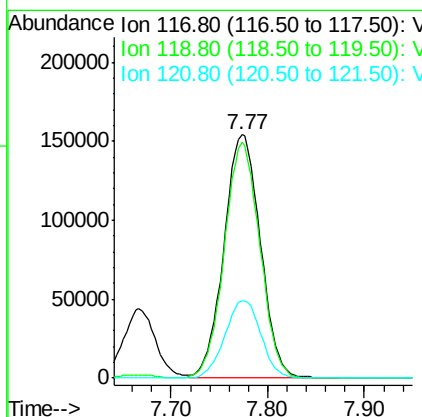
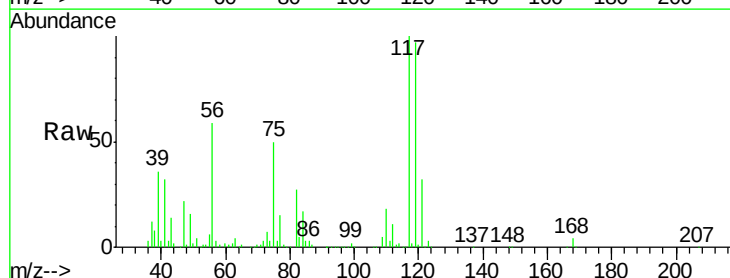
Manual Integrations  
APPROVED

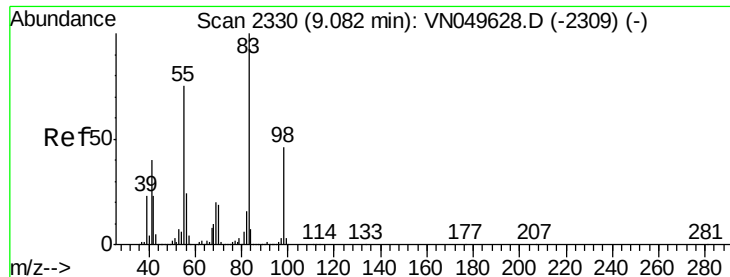
sam  
7/6/2018 4:25:51 PM



#38  
Carbon Tetrachloride  
Concen: 21.367 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 77.2  | 115.8 |
| 121     | 31.7  | 25.0  | 37.6  |





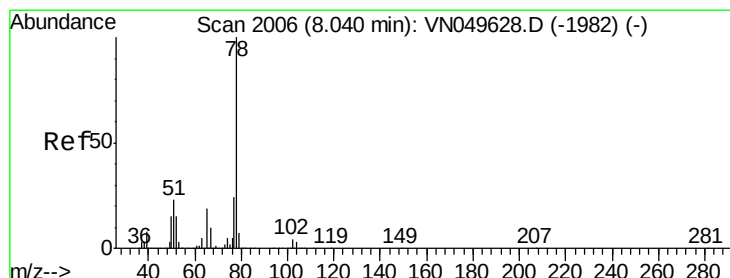
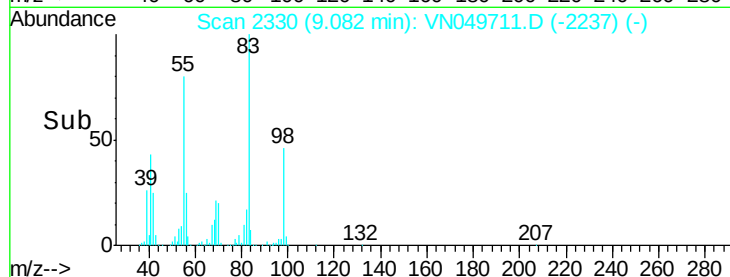
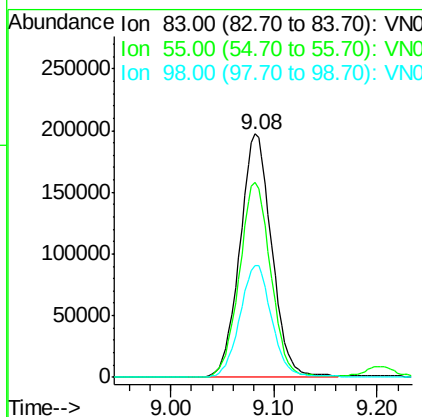
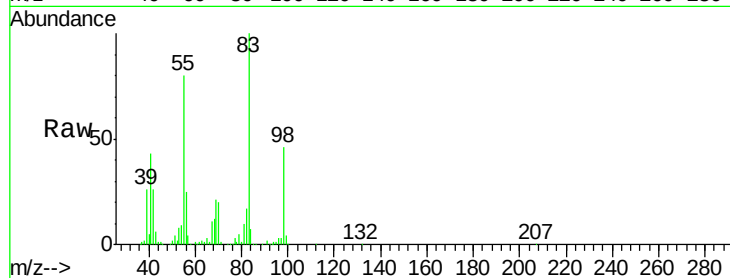
#39  
Methylvlcyclohexane  
Concen: 19.900 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.9  | 59.7  | 89.5  |
| 98      | 45.9  | 36.5  | 54.7  |

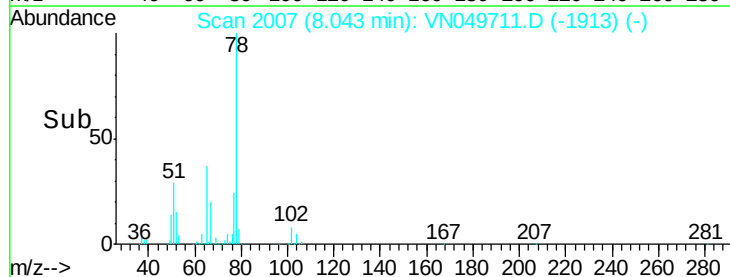
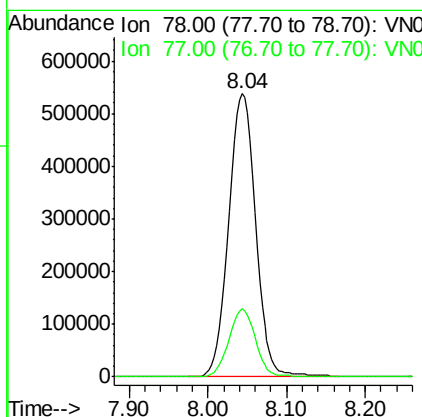
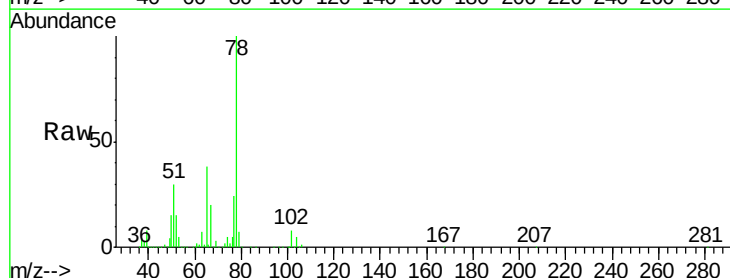
Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM

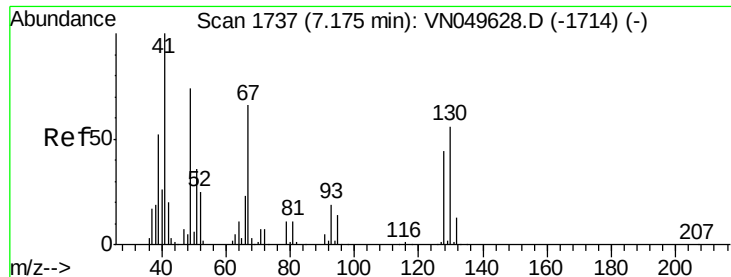


#40  
Benzene  
Concen: 21.671 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.0  | 28.4  |







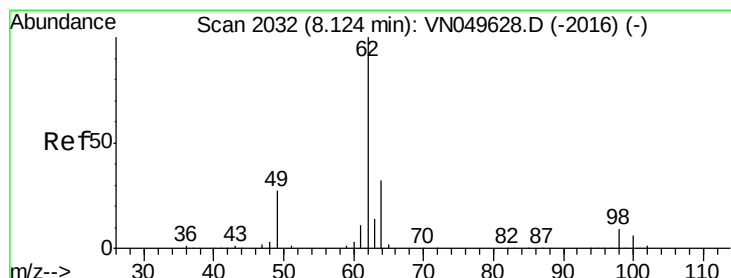
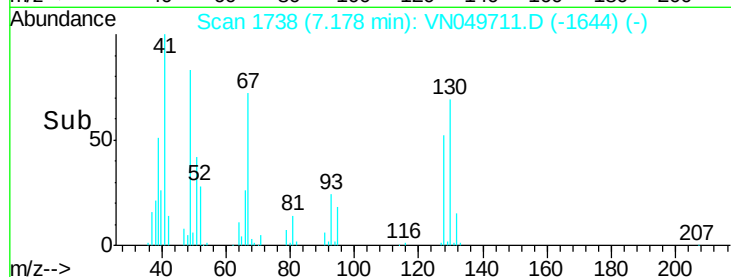
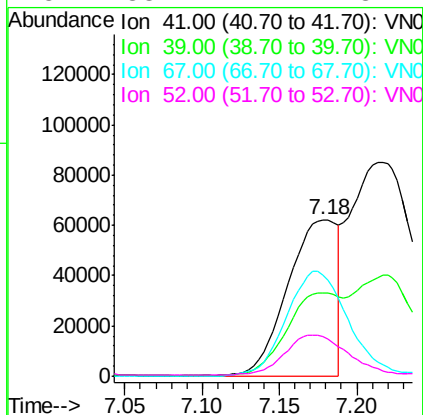
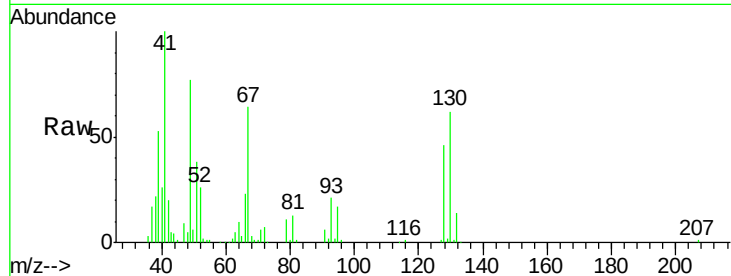
#41  
Methacrylonitrile  
Concen: 21.712 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0705WBS01

| Tot Ion   | 41    | Resp  | 138467 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 58.1  | 45.4  | 68.2   |
| 67        | 84.1  | 65.4  | 98.0   |
| 52        | 33.1  | 24.7  | 37.1   |

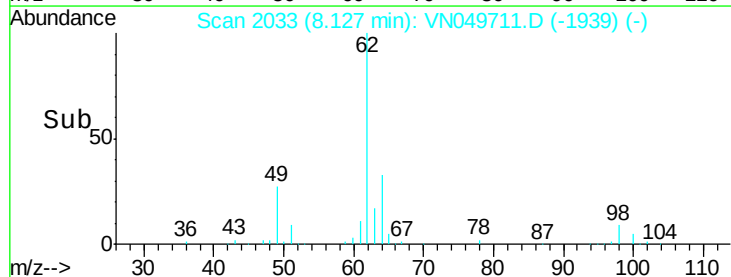
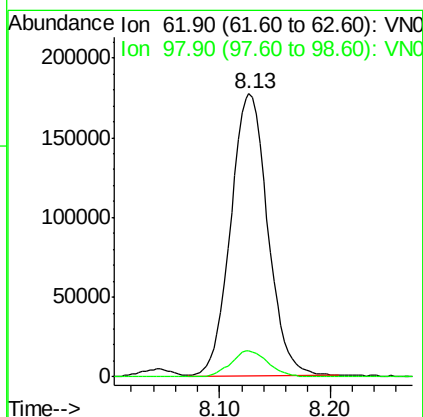
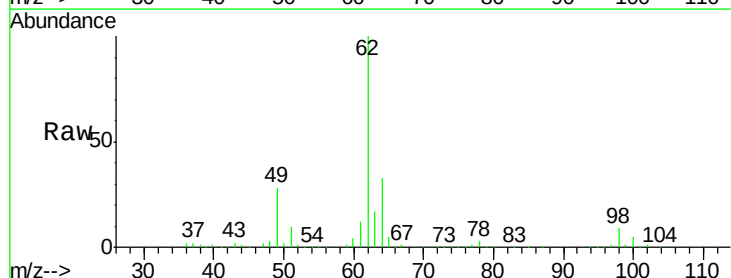
Manual Integrations  
APPROVED

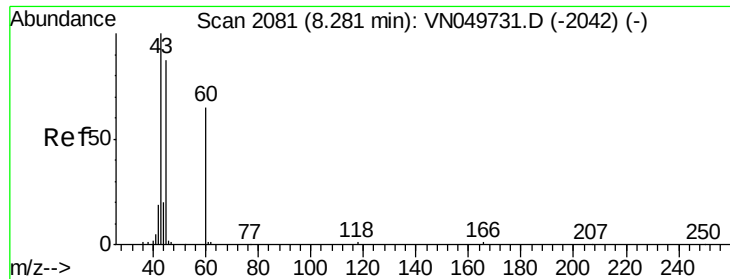
sam  
7/6/2018 4:25:51 PM



#42  
1,2-Dichloroethane  
Concen: 21.729 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion   | 62    | Resp  | 410716 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 9.4   | 0.0   | 19.0   |





#43

Isopropyl Acetate

Concen: 23.422 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

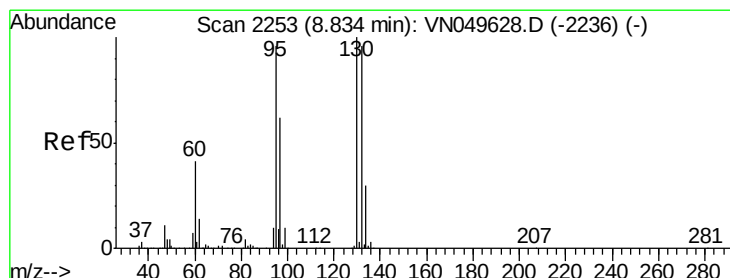
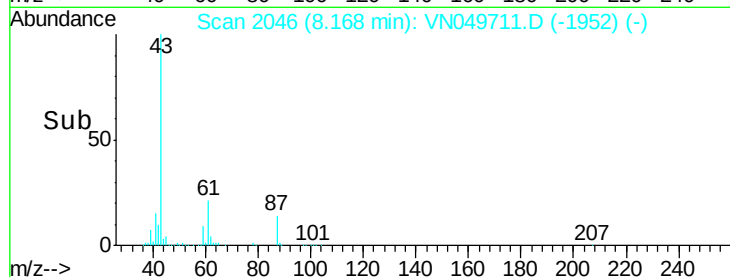
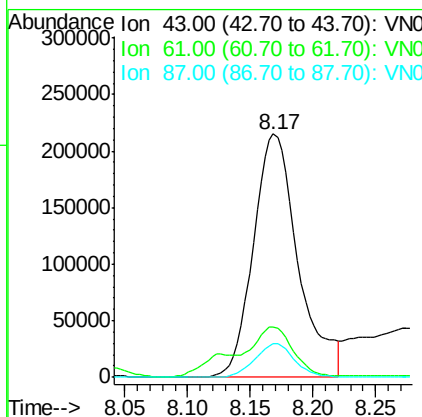
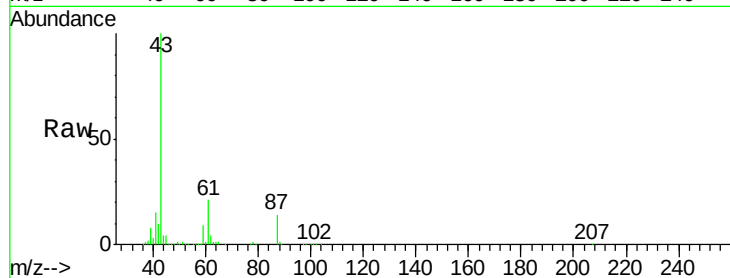
ClientSampleId :

VN0705WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 533066 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 17.8  | 14.9  | 22.3   |
| 87       | 12.2  | 10.0  | 15.0   |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#44

Trichloroethene

Concen: 20.510 ug/l

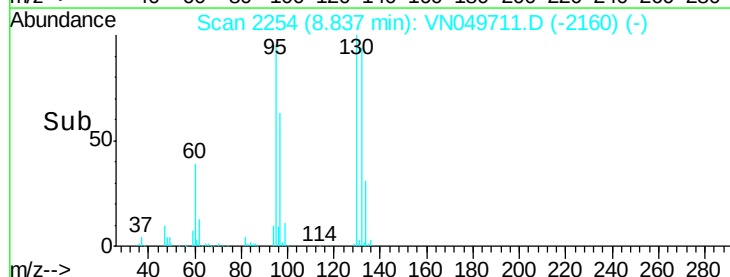
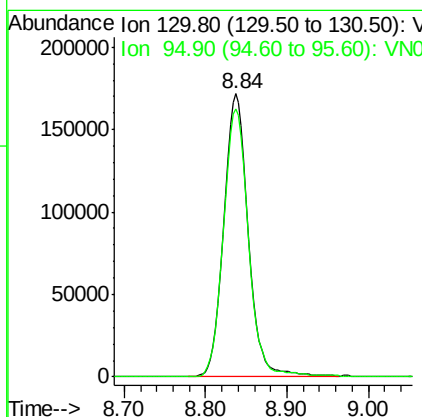
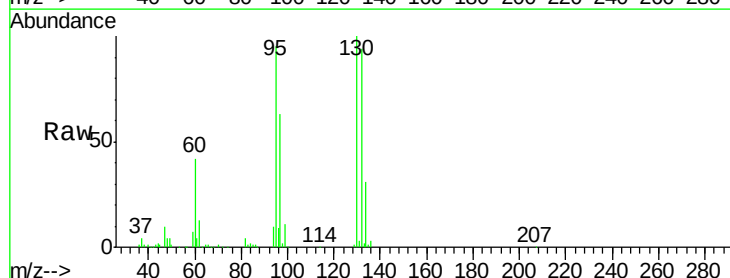
RT: 8.84 min Scan# 2254

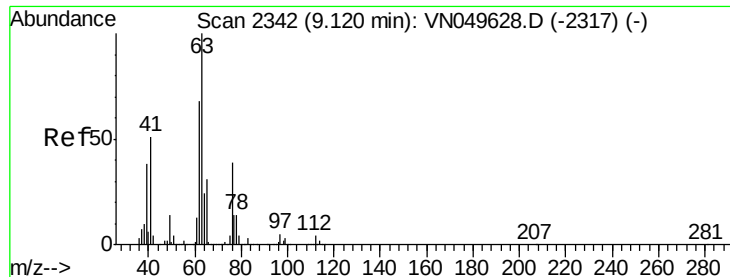
Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 366347 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 94.9  | 0.0   | 192.8  |





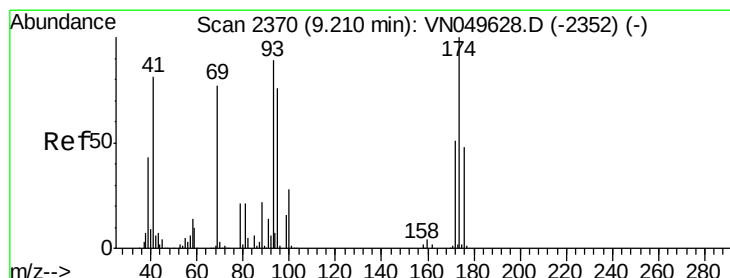
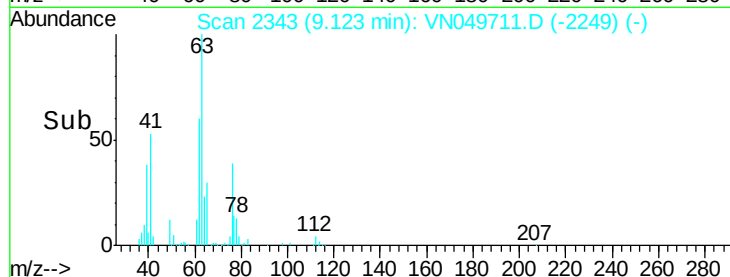
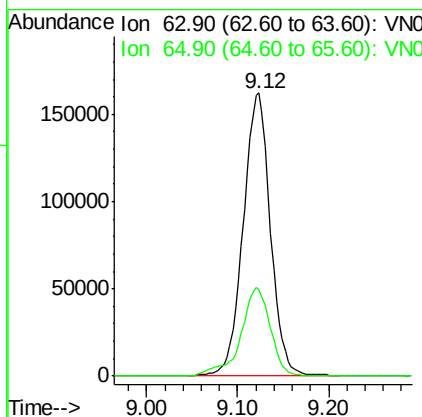
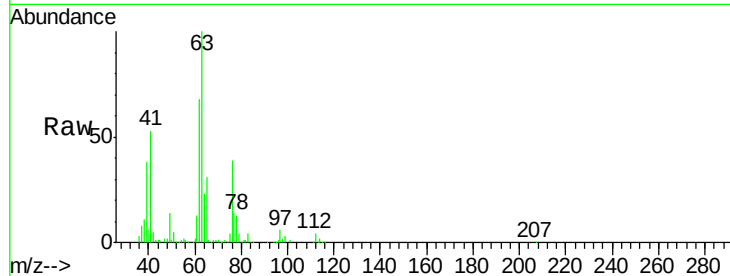
#45  
 1,2-Dichloropropane  
 Concen: 22.041 ug/l  
 RT: 9.12 min Scan# 2343  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.4  | 24.7  | 37.1  |

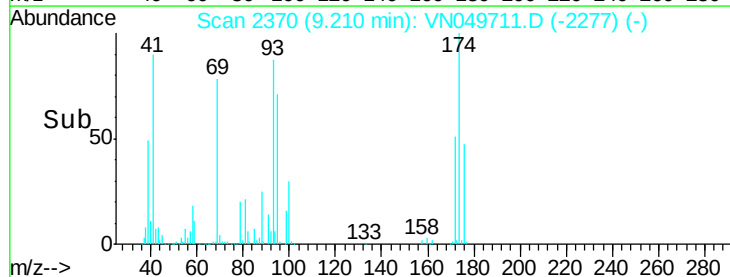
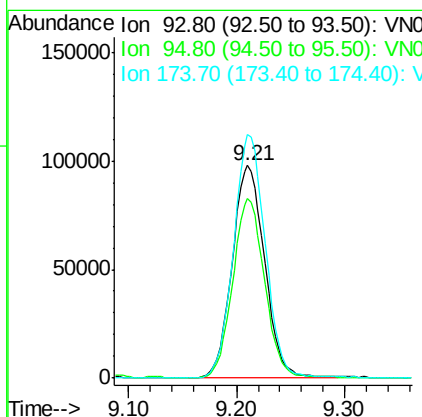
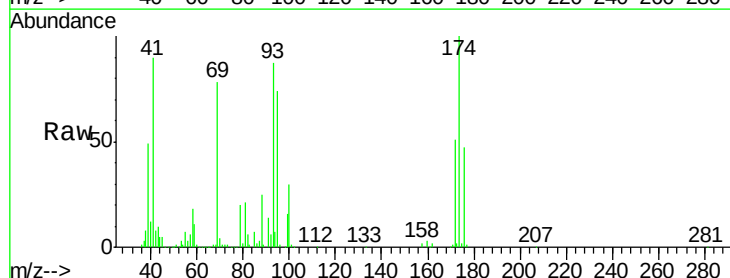
Manual Integrations  
 APPROVED

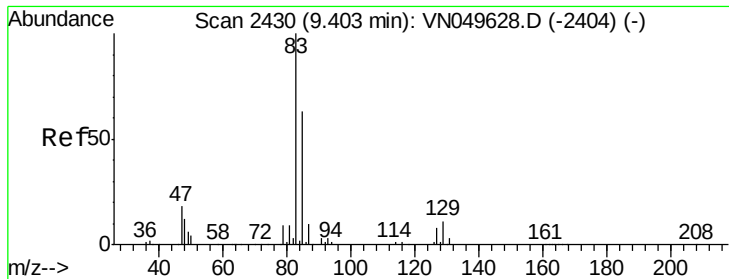
sam  
 7/6/2018 4:25:51 PM



#46  
 Dibromomethane  
 Concen: 22.248 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.5  | 67.9  | 101.9 |
| 174     | 112.1 | 89.4  | 134.0 |





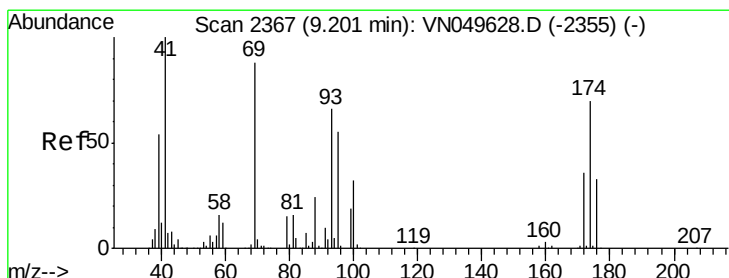
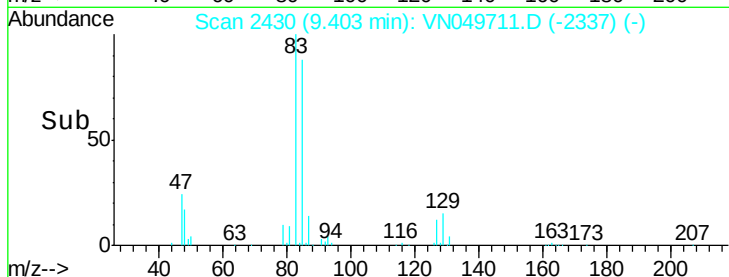
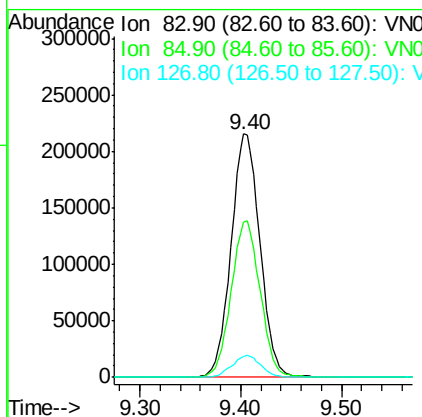
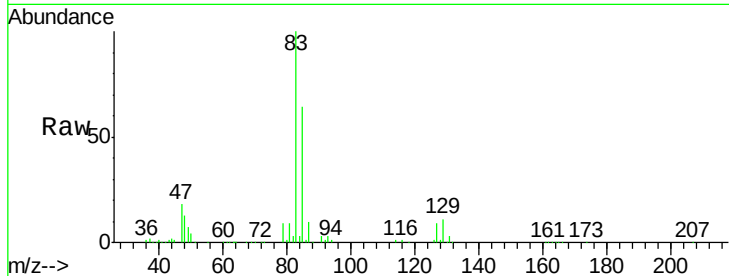
#47  
Bromodichloromethane  
Concen: 21.793 ug/l  
RT: 9.40 min Scan# 2430  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion   | 83   | Resp  | 429478 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.6 | 50.5  | 75.7   |
| 127       | 8.8  | 6.8   | 10.2   |

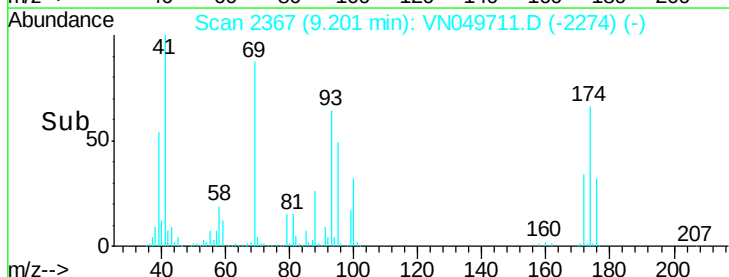
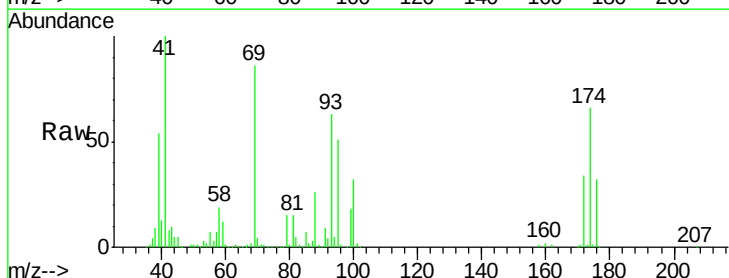
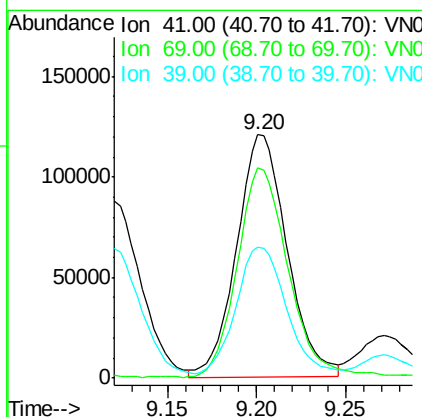
Manual Integrations  
APPROVED

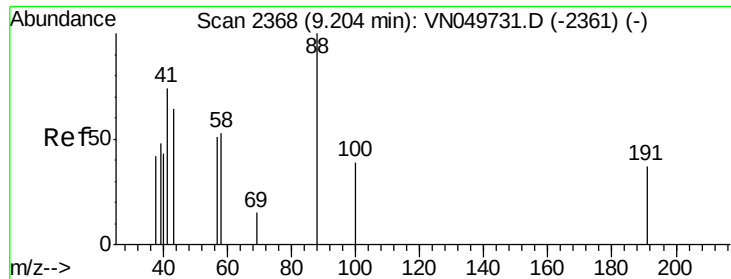
sam  
7/6/2018 4:25:51 PM



#48  
Methyl methacrylate  
Concen: 23.777 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion   | 41   | Resp  | 239042 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 87.8 | 71.5  | 107.3  |
| 39        | 53.9 | 44.7  | 67.1   |





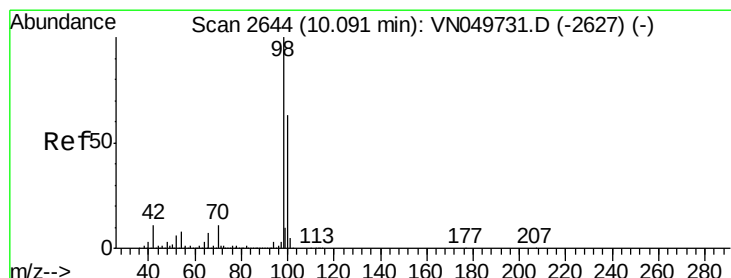
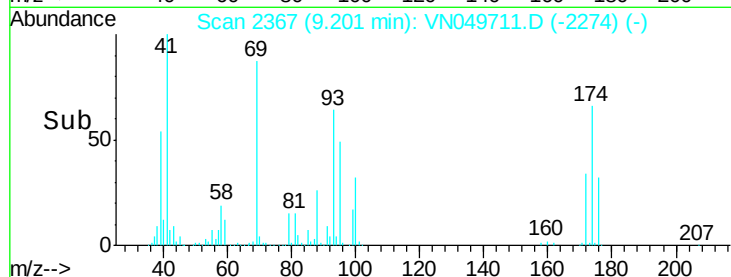
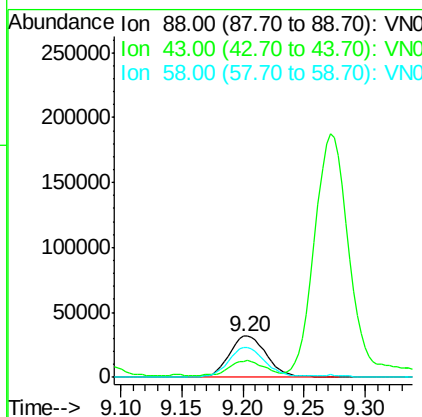
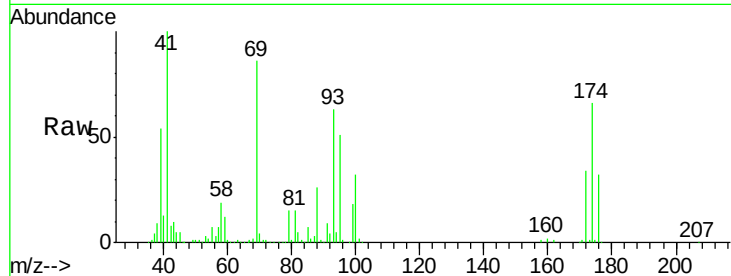
#49  
1,4-Dioxane  
Concen: 507.235 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.1  | 25.1  | 37.7  |
| 58      | 69.6  | 52.5  | 78.7  |

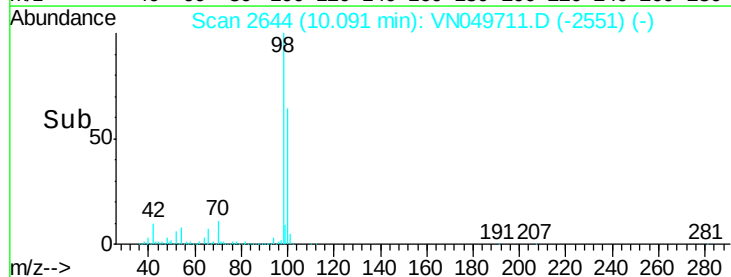
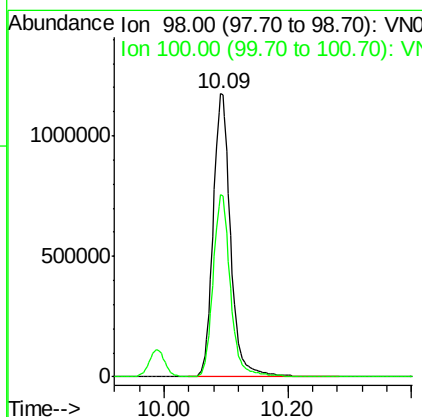
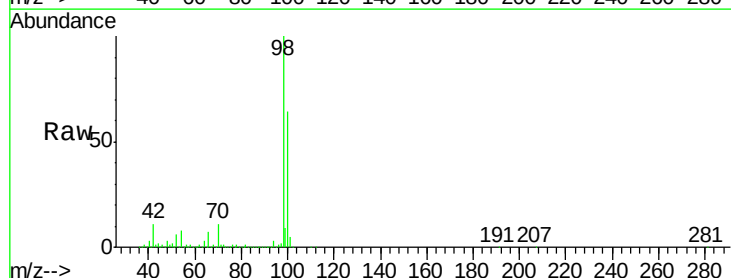
Manual Integrations  
APPROVED

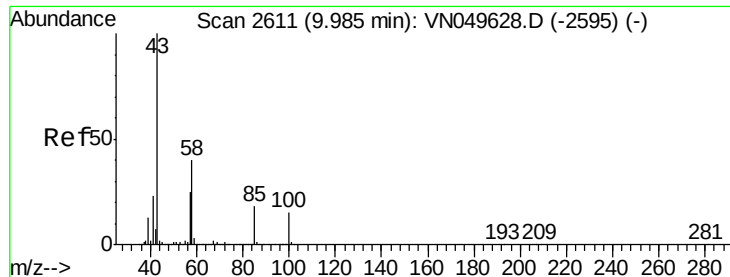
sam  
7/6/2018 4:25:51 PM



#50  
Toluene-d8  
Concen: 45.514 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 51.7  | 77.5  |





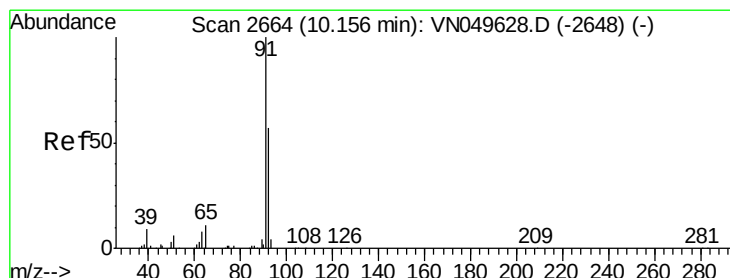
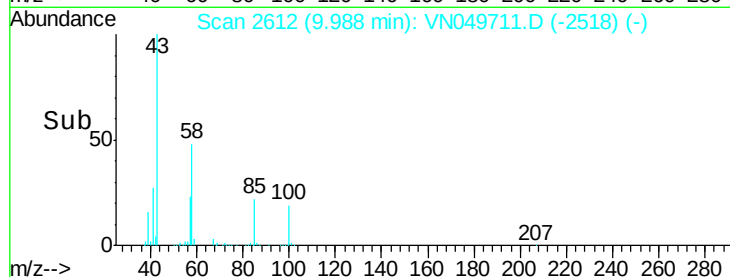
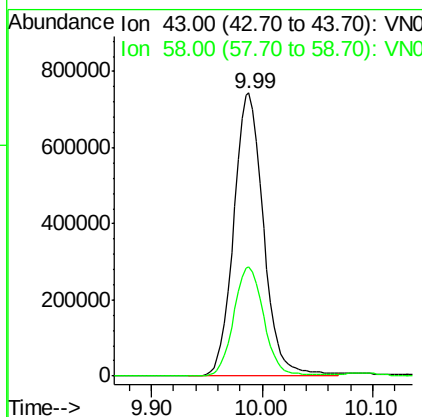
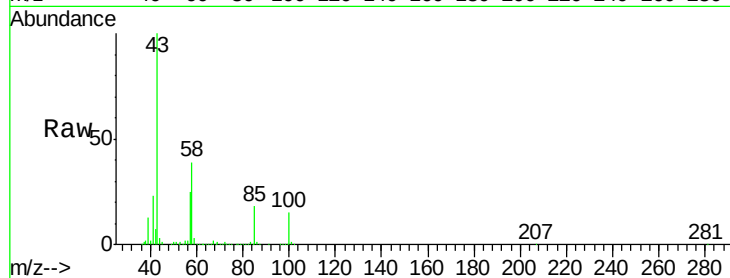
#51  
4-Methyl-2-Pentanone  
Concen: 124.991 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

Tot Ion: 43 Resp: 1386445  
Ion Ratio Lower Upper  
43 100  
58 39.4 31.8 47.8

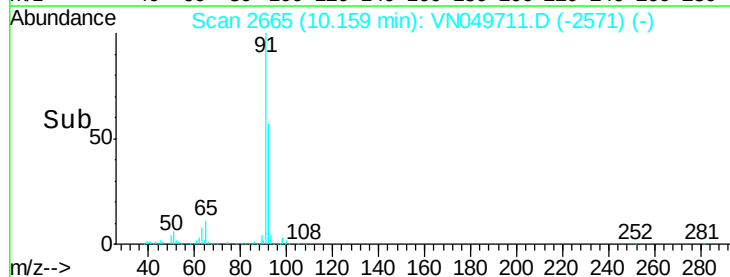
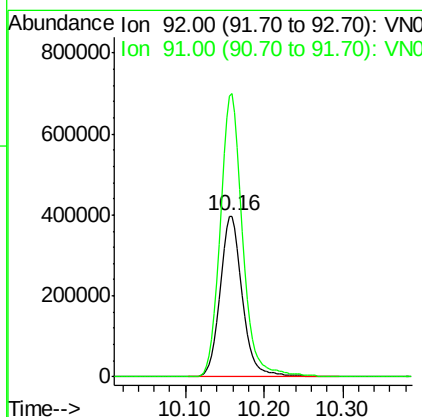
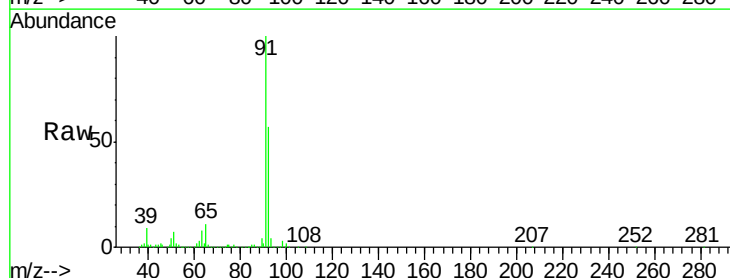
Manual Integrations  
APPROVED

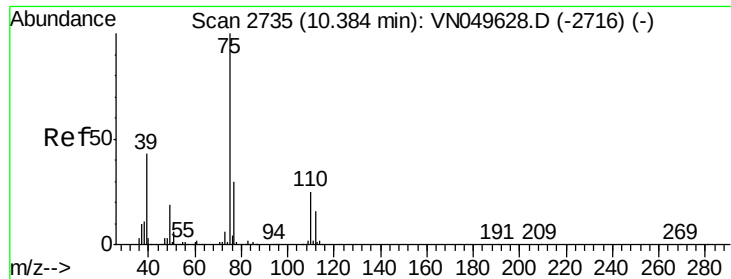
sam  
7/6/2018 4:25:51 PM



#52  
Toluene  
Concen: 21.706 ug/l  
RT: 10.16 min Scan# 2665  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Tgt Ion: 92 Resp: 776664  
Ion Ratio Lower Upper  
92 100  
91 175.7 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.835 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion: 75 Resp: 393158

Ion Ratio Lower Upper

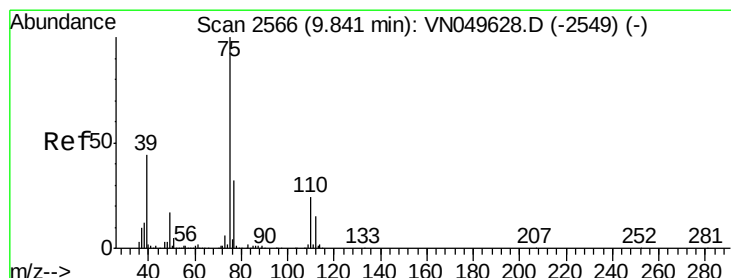
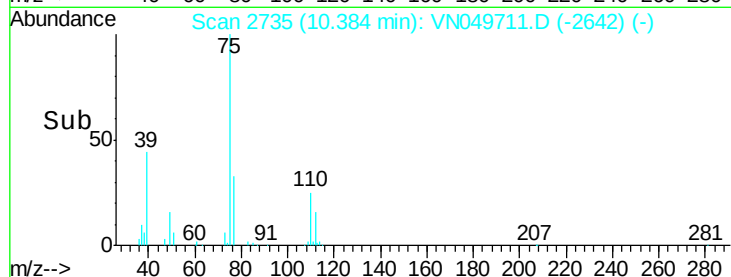
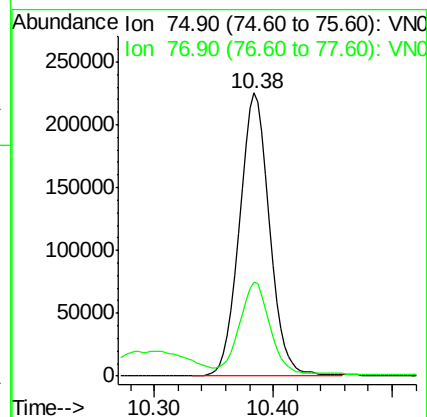
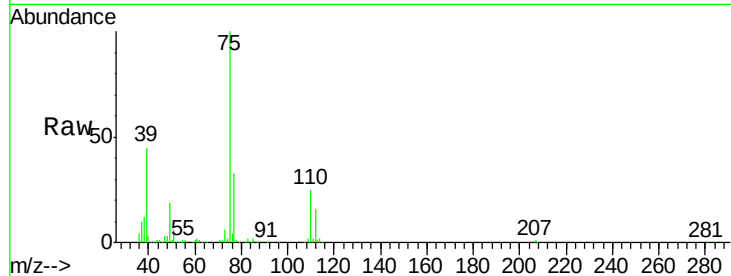
75 100

77 32.6 25.2 37.8

Manual Integrations  
APPROVED

sam

7/6/2018 4:25:51 PM



#54

cis-1,3-Dichloropropene

Concen: 21.125 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

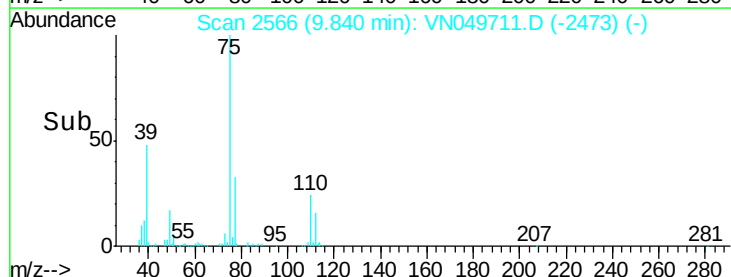
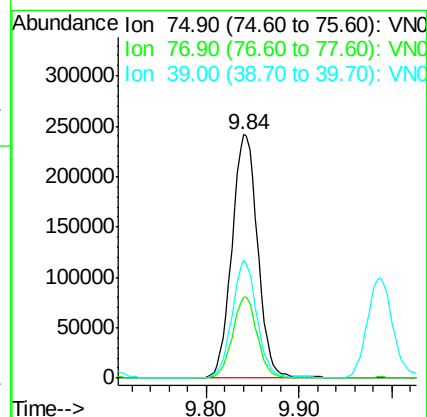
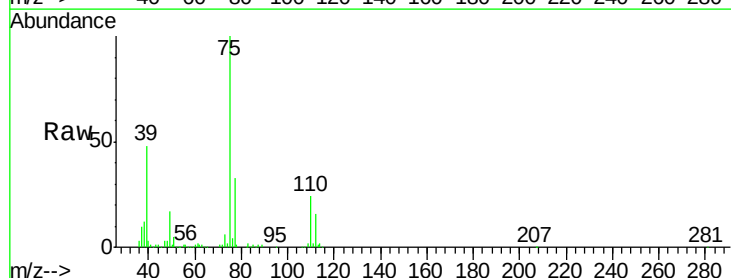
Tgt Ion: 75 Resp: 465902

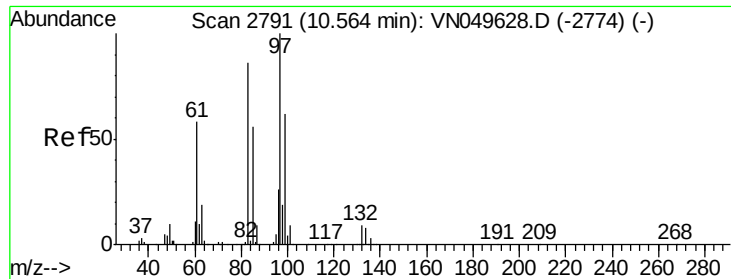
Ion Ratio Lower Upper

75 100

77 33.3 25.3 37.9

39 48.1 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 22.489 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

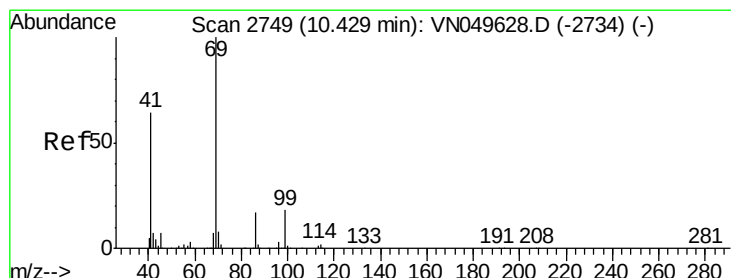
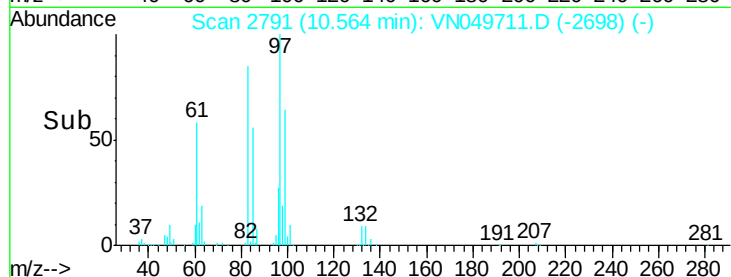
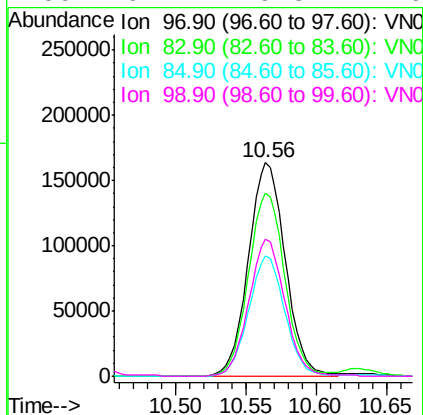
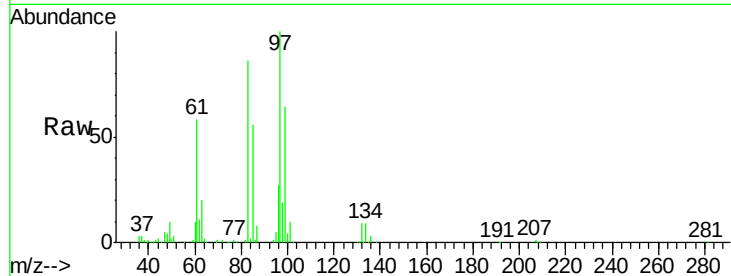
ClientSampled :

VN0705WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 299624 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.5  | 69.0  | 103.6  |
| 85       | 56.4  | 44.9  | 67.3   |
| 99       | 64.2  | 49.8  | 74.6   |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#56

Ethyl methacrylate

Concen: 23.232 ug/l

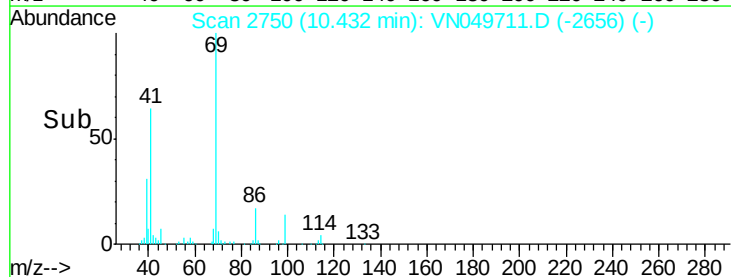
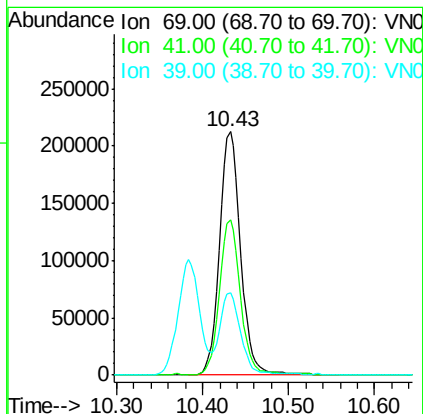
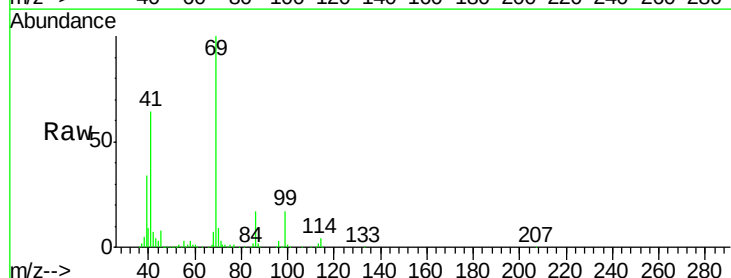
RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

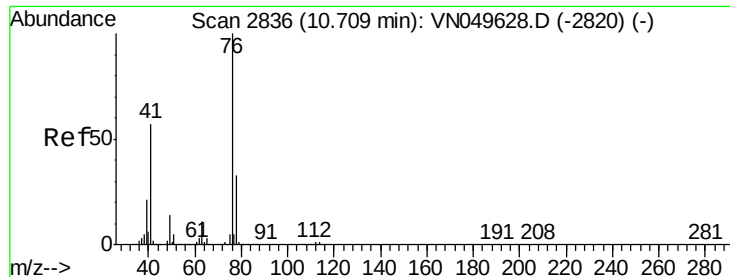
Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 362809 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.5  | 51.6  | 77.4   |
| 39       | 33.2  | 25.8  | 38.8   |







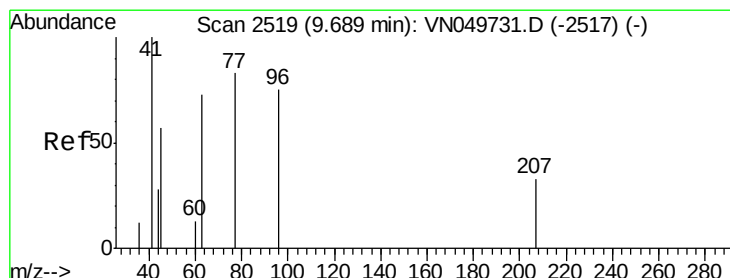
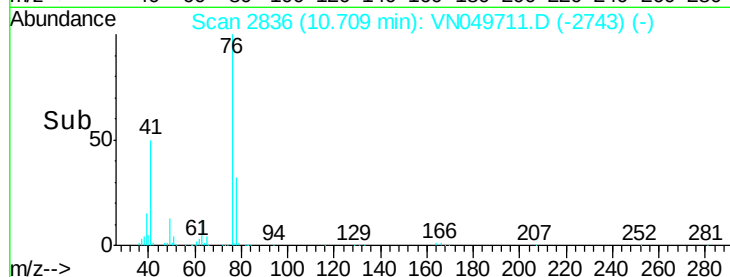
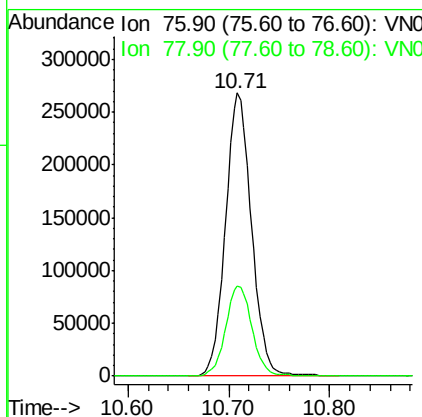
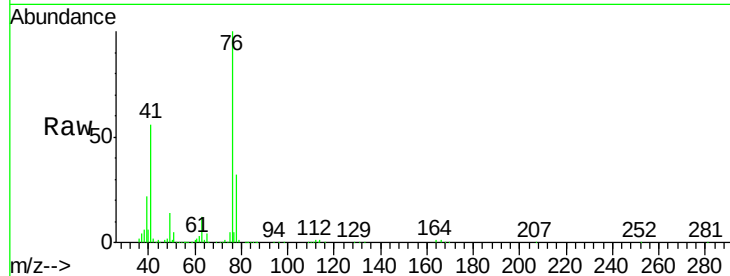
#57  
 1,3-Dichloropropane  
 Concen: 22.343 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. -0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 25.8  | 38.8  |

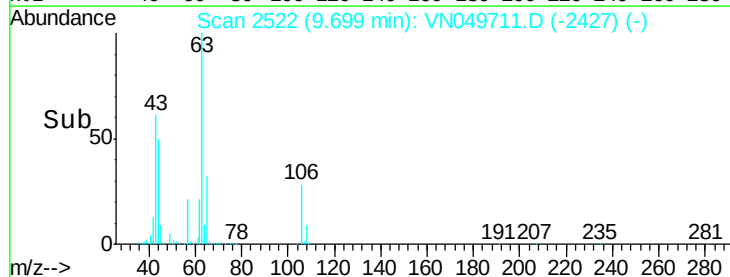
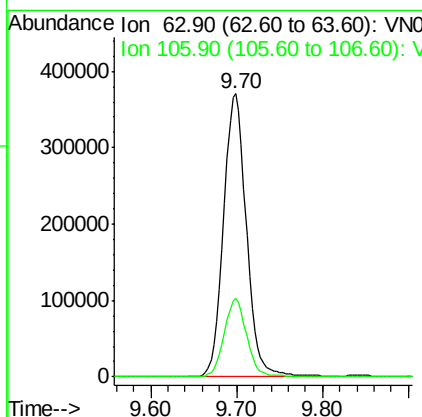
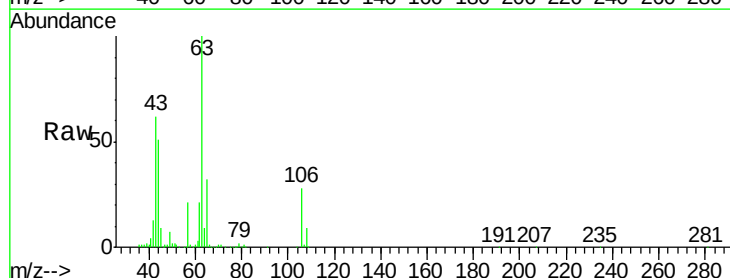
Manual Integrations  
 APPROVED

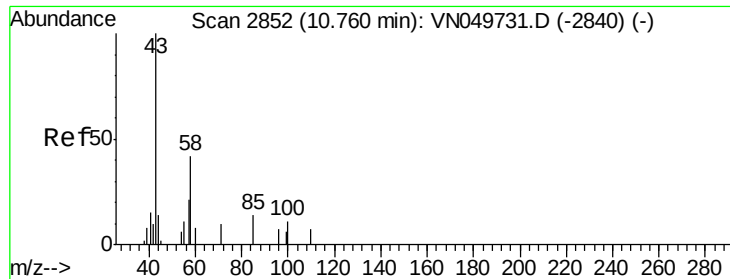
sam  
 7/6/2018 4:25:51 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 91.713 ug/l  
 RT: 9.70 min Scan# 2522  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.3  | 21.8  | 32.8  |





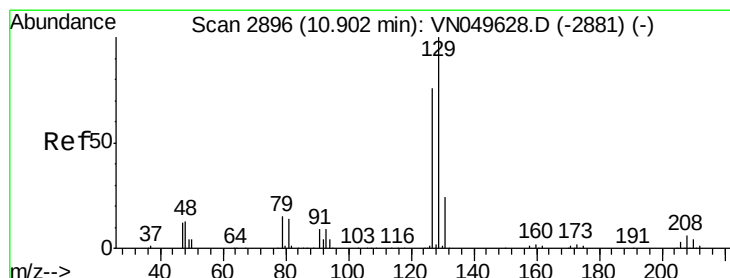
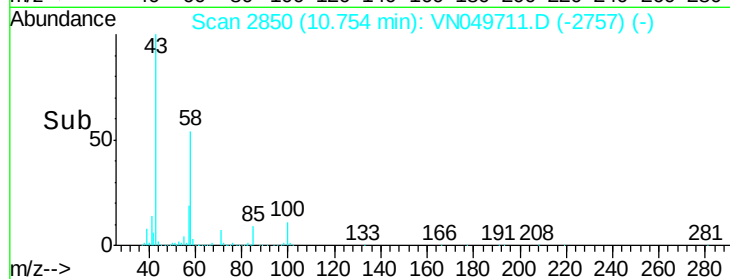
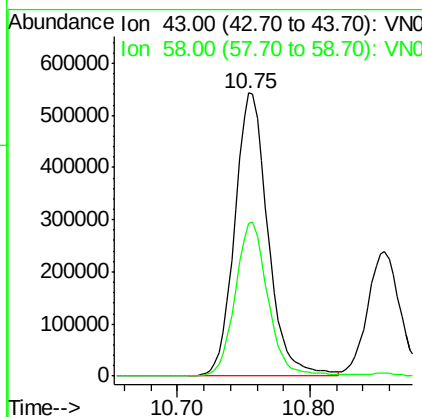
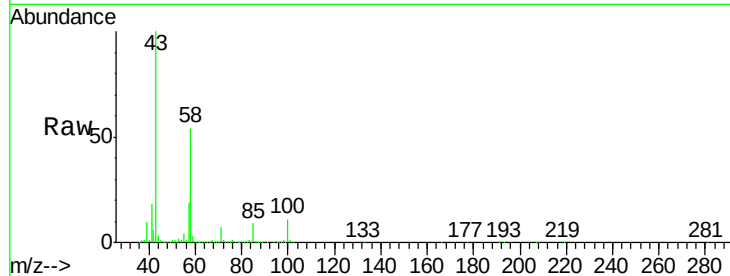
#59  
2-Hexanone  
Concen: 128.186 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.8  | 27.8  | 83.4  |

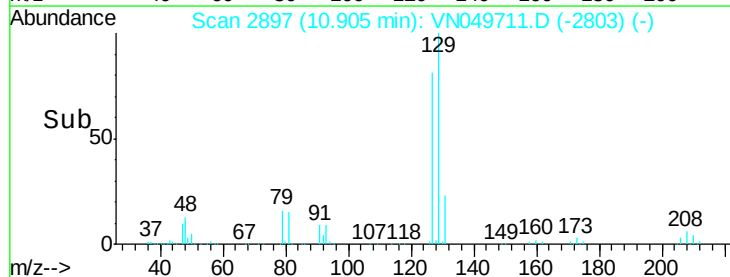
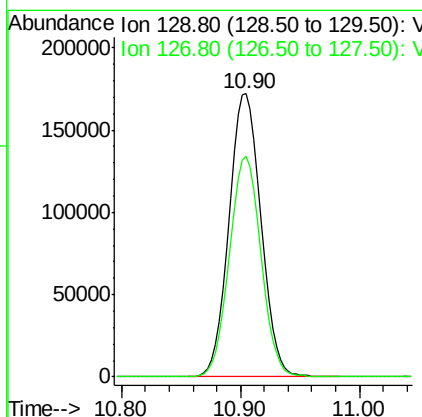
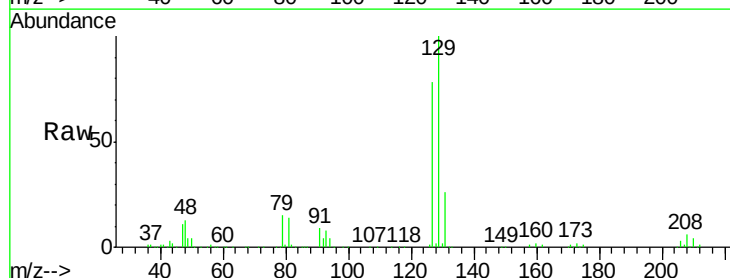
Manual Integrations  
APPROVED

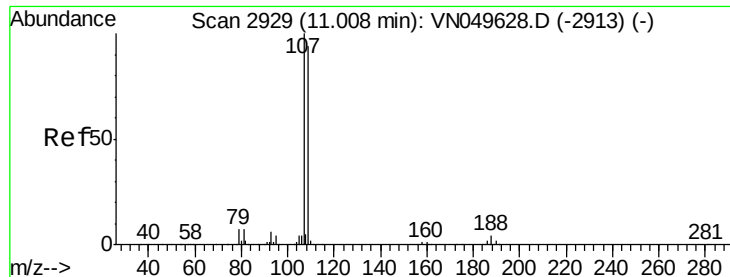
sam  
7/6/2018 4:25:51 PM



#60  
Dibromochloromethane  
Concen: 22.286 ug/l  
RT: 10.90 min Scan# 2897  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.0  | 38.3  | 114.9 |





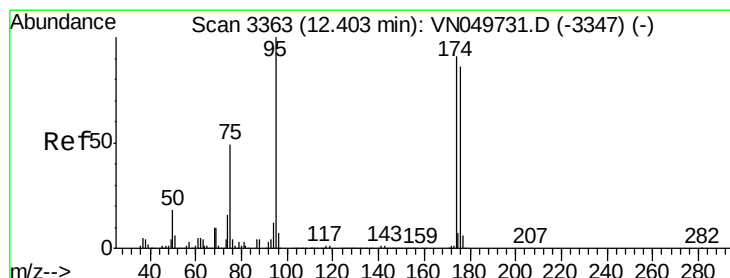
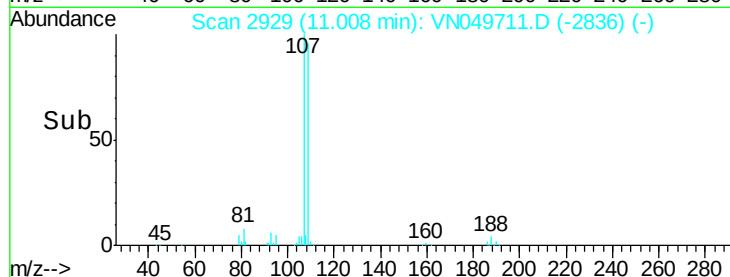
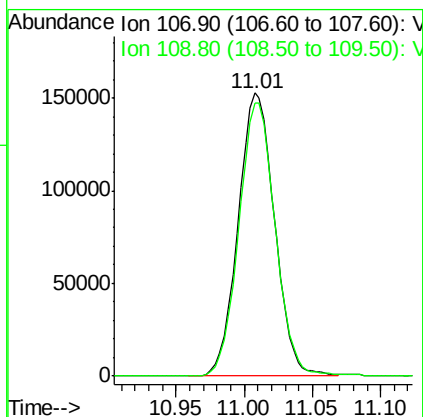
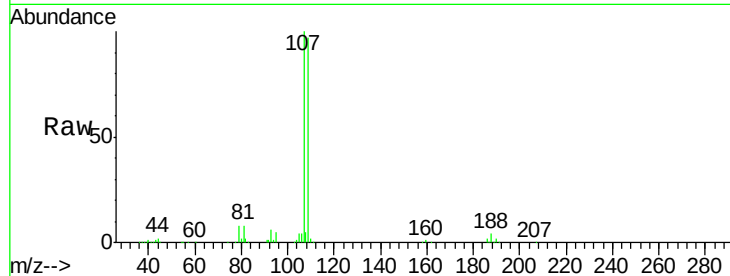
#61  
 1,2-Dibromoethane  
 Concen: 22.146 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. -0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.8  | 75.0  | 112.6 |

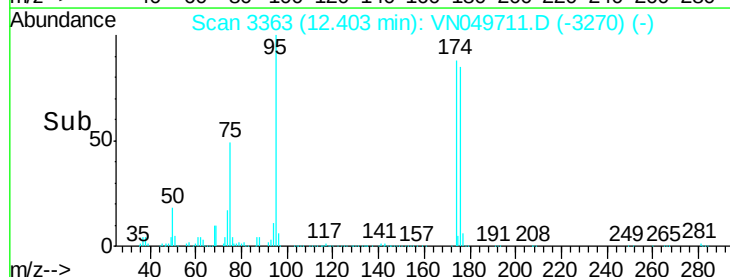
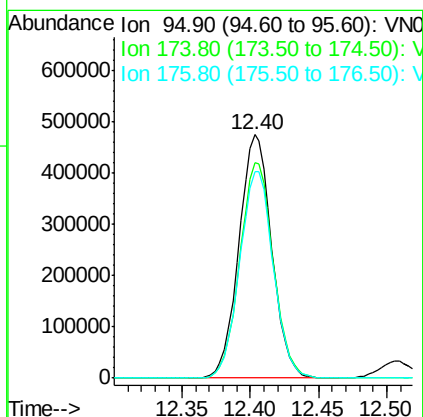
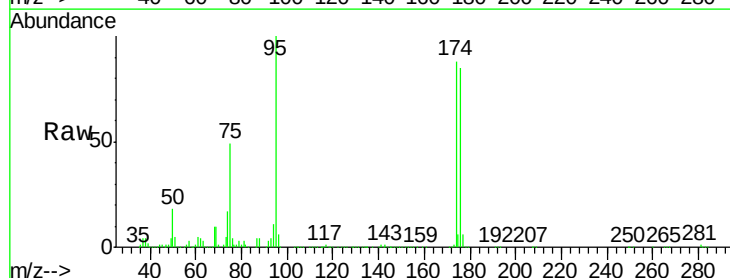
Manual Integrations  
 APPROVED

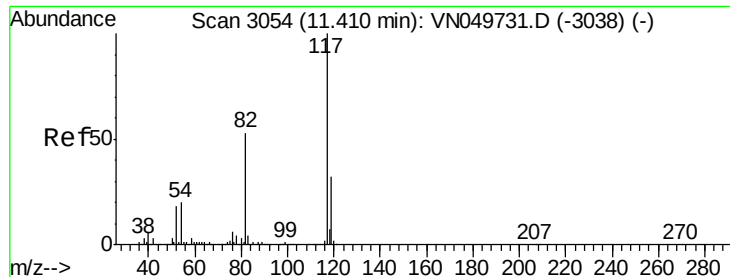
sam  
 7/6/2018 4:25:51 PM



#62  
 4-Bromofluorobenzene  
 Concen: 45.900 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.2  | 0.0   | 179.6 |
| 176     | 87.1  | 0.0   | 174.0 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion:117 Resp: 1534462

Ion Ratio Lower Upper

117 100

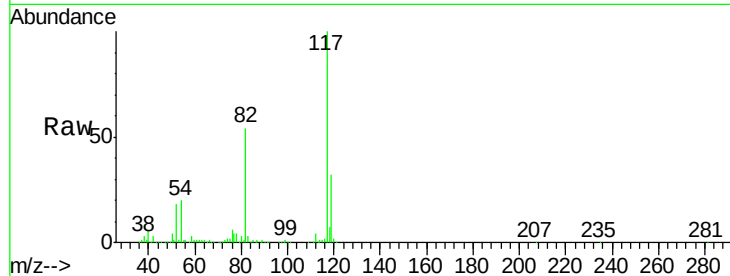
82 53.9 41.9 62.9

119 32.0 25.4 38.2

Manual Integrations  
APPROVED

sam

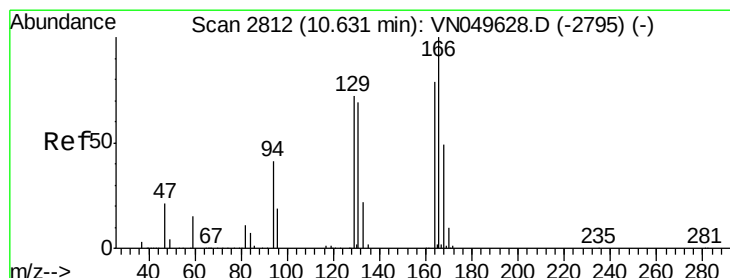
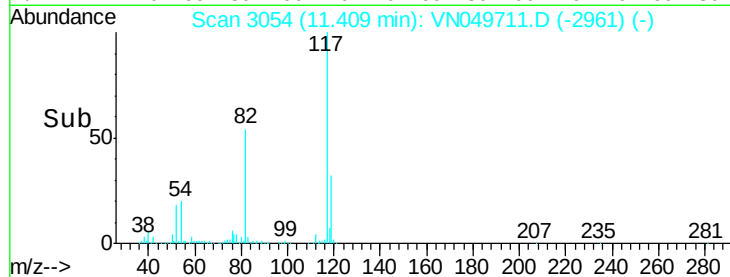
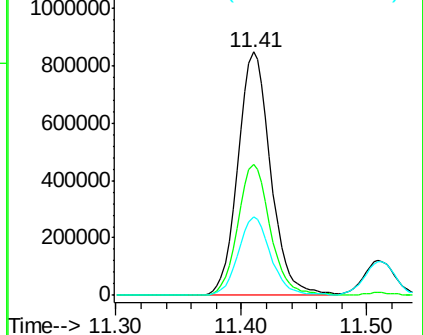
7/6/2018 4:25:51 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.242 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Tgt Ion:164 Resp: 420576

Ion Ratio Lower Upper

164 100

166 128.4 101.8 152.6

129 90.7 72.8 109.2

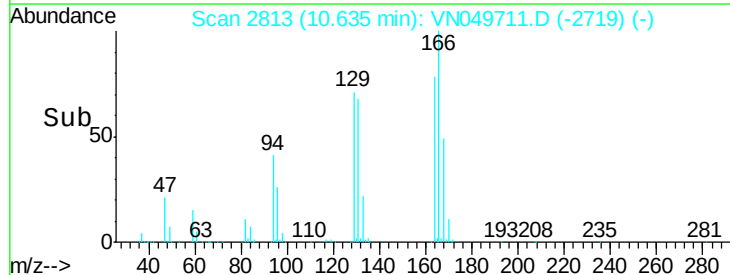
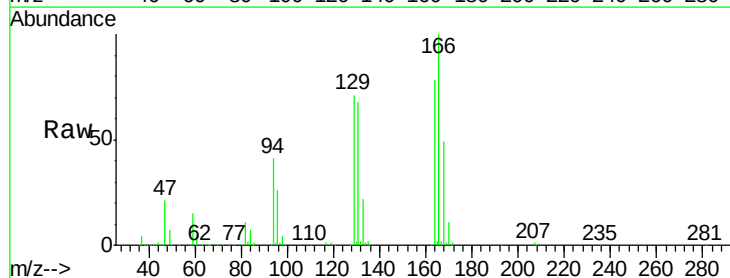
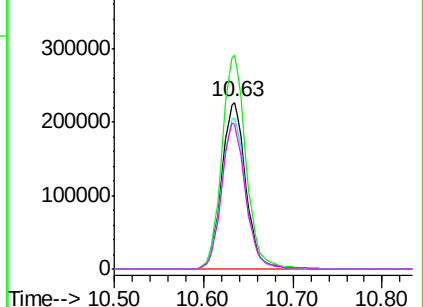
131 86.6 70.0 105.0

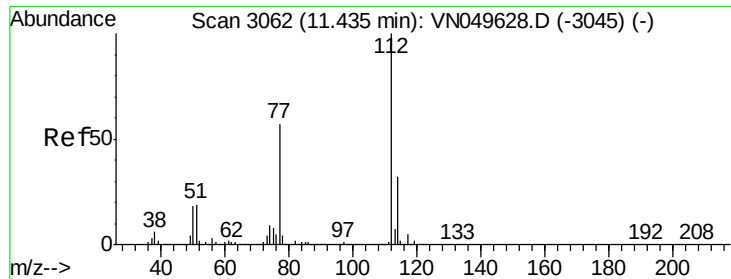
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





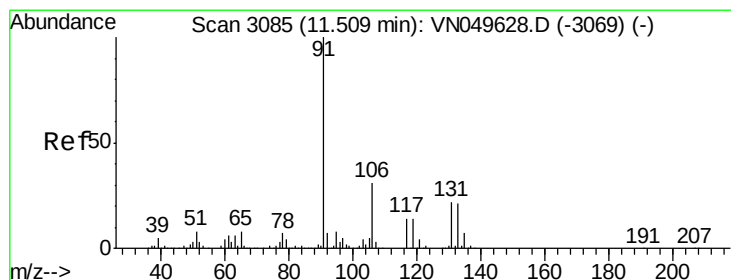
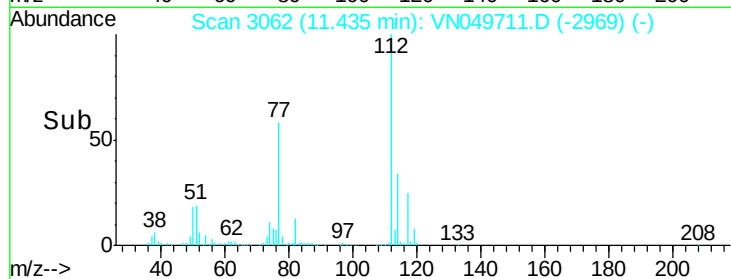
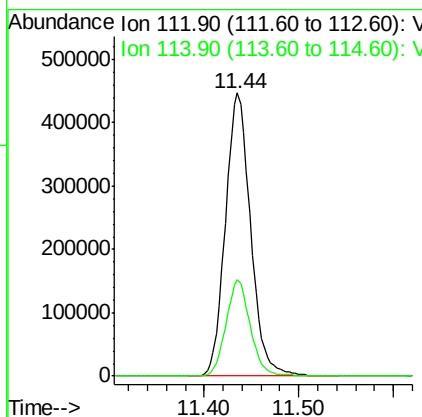
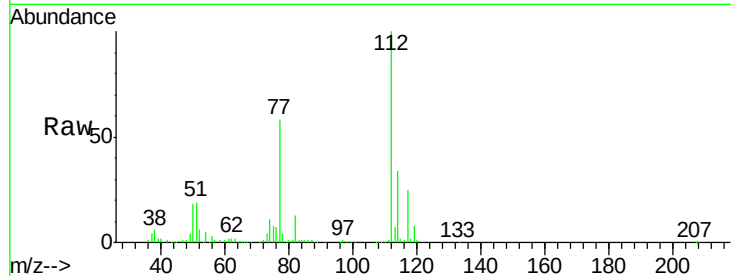
#65  
Chlorobenzene  
Concen: 20.655 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0705WBS01

Tot Ion:112 Resp: 826784  
Ion Ratio Lower Upper  
112 100  
114 34.1 25.4 38.0

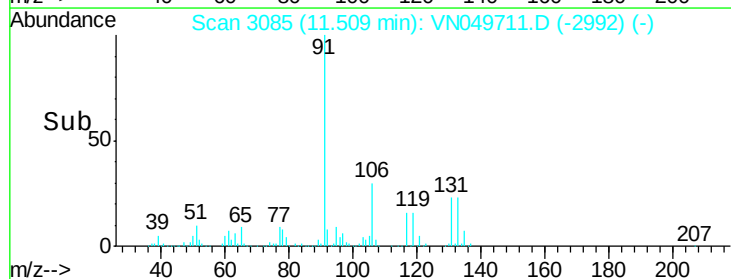
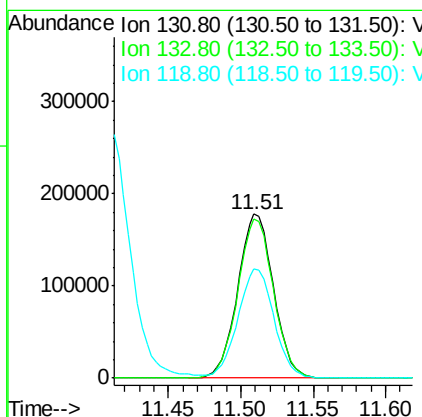
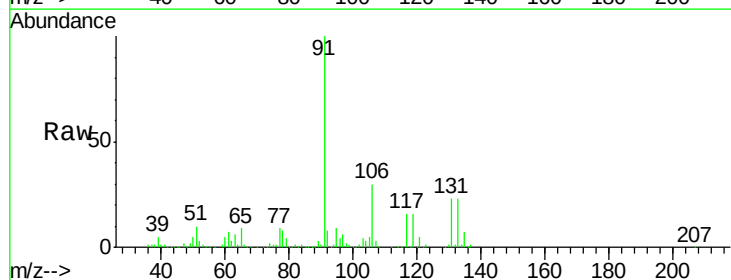
Manual Integrations  
APPROVED

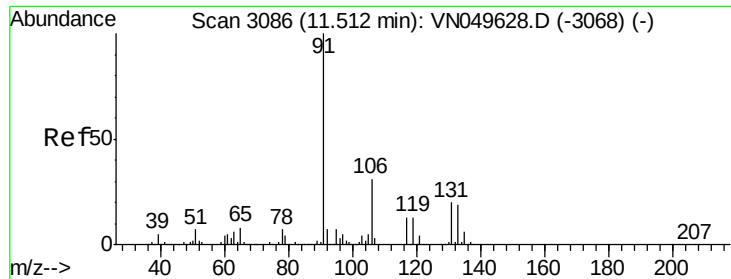
sam  
7/6/2018 4:25:51 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.182 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Tgt Ion:131 Resp: 304668  
Ion Ratio Lower Upper  
131 100  
133 97.3 47.5 142.6  
119 67.5 33.1 99.3





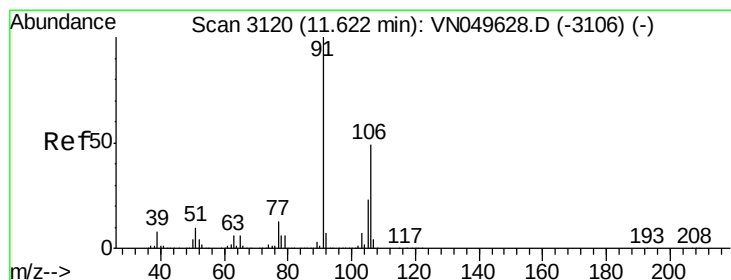
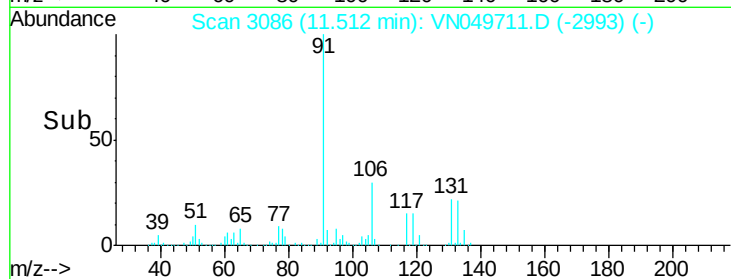
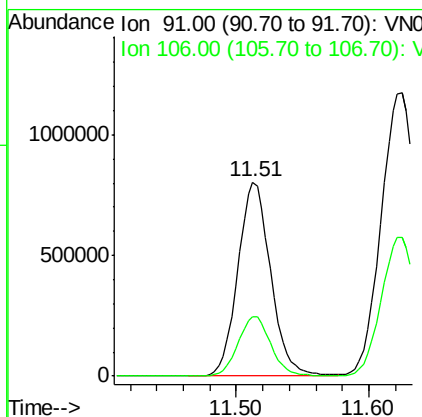
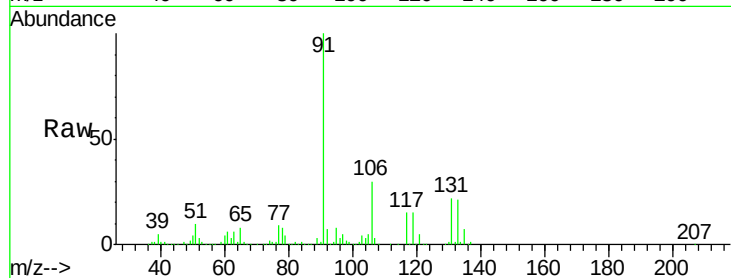
#67  
Ethyl Benzene  
Concen: 20.931 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

Tot Ion: 91 Resp: 1385009  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.8 37.2

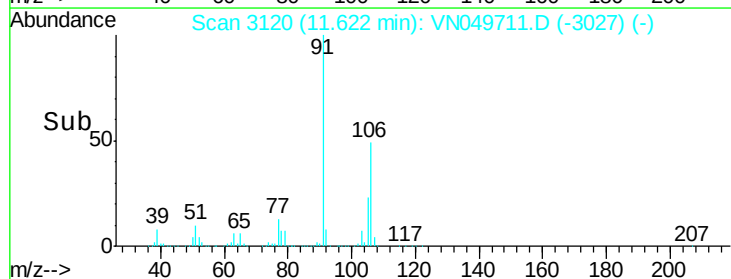
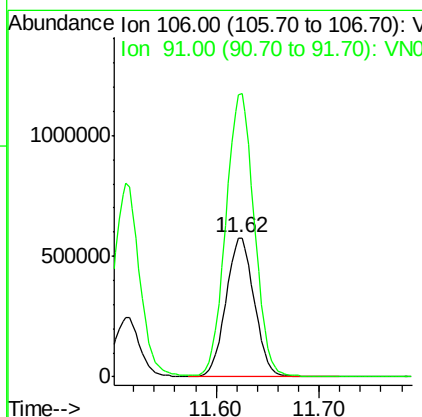
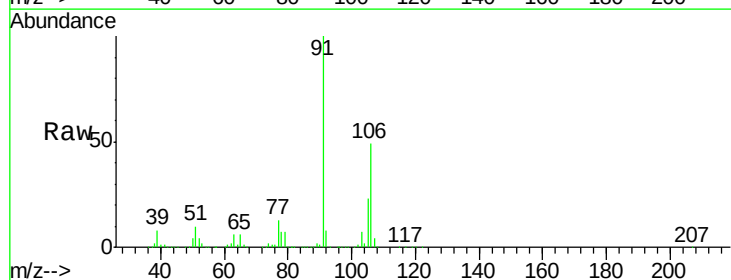
Manual Integrations  
APPROVED

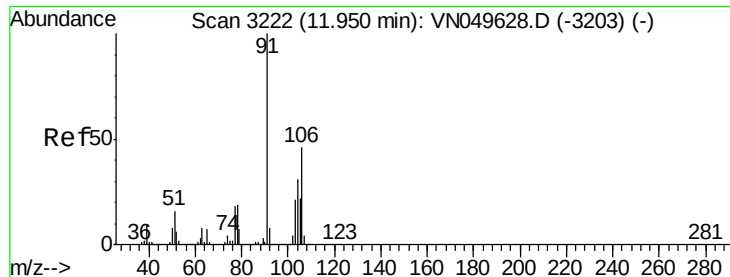
sam  
7/6/2018 4:25:51 PM



#68  
m/p-Xylenes  
Concen: 43.596 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Tgt Ion: 106 Resp: 1105522  
Ion Ratio Lower Upper  
106 100  
91 204.2 163.4 245.2





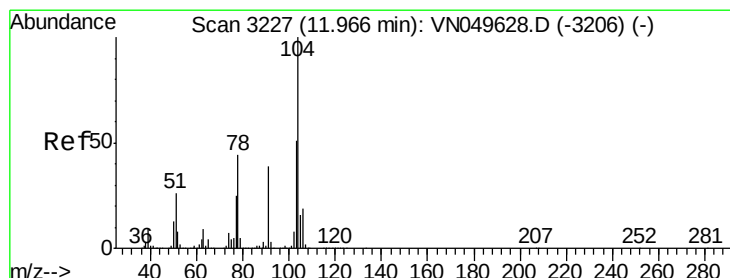
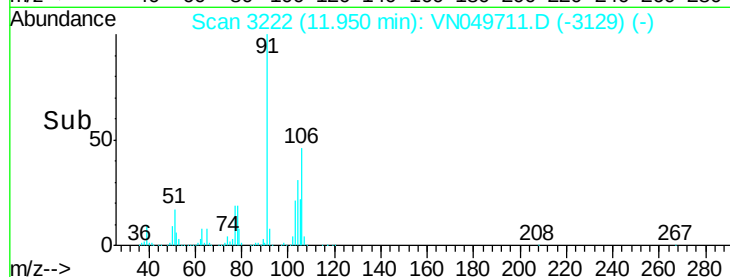
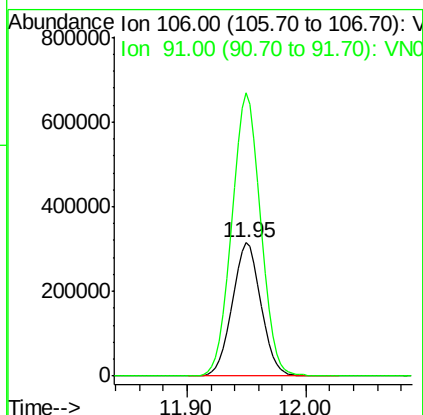
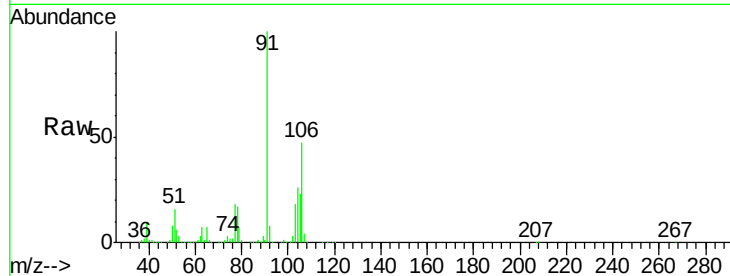
#69  
o-Xylene  
Concen: 21.713 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0705WBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 212.2 | 108.7 | 326.1 |       |

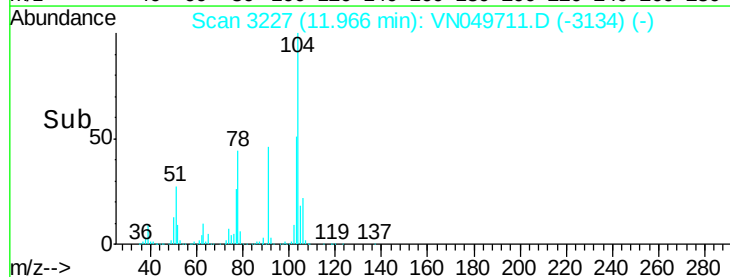
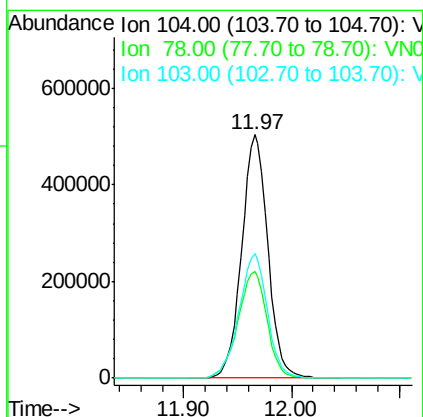
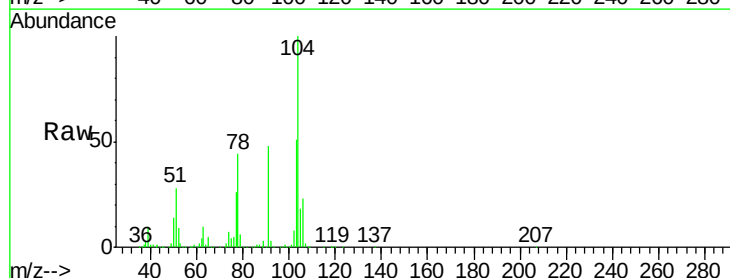
Manual Integrations  
APPROVED

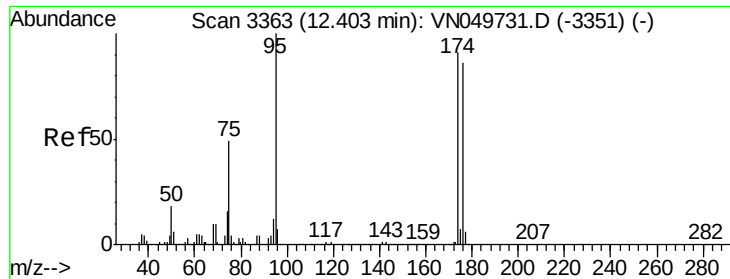
sam  
7/6/2018 4:25:51 PM



#70  
Styrene  
Concen: 21.611 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 48.8 | 39.2  | 58.8  |       |
| 103     | 55.6 | 44.6  | 67.0  |       |





#71

Bromoform

Concen: 22.454 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

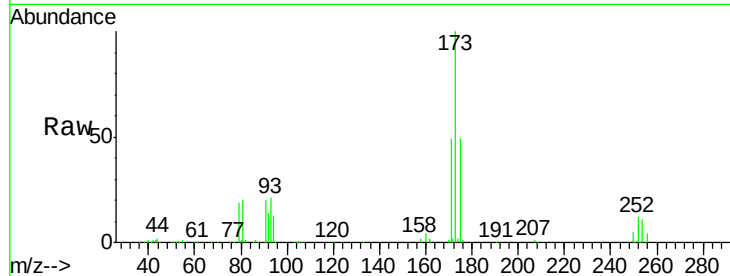
ClientSampleId :

VN0705WBS01

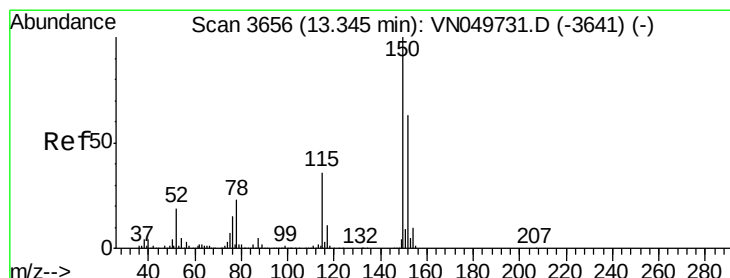
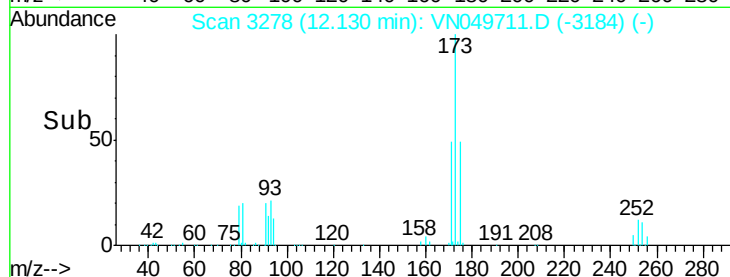
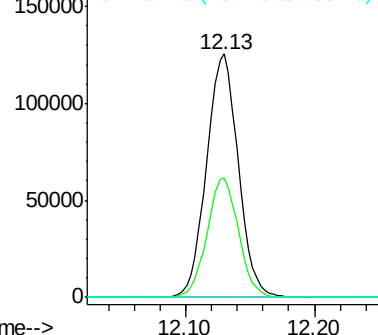
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.6  | 24.6  | 73.8  |
| 254     | 0.1   | 0.2   | 0.2#  |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 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

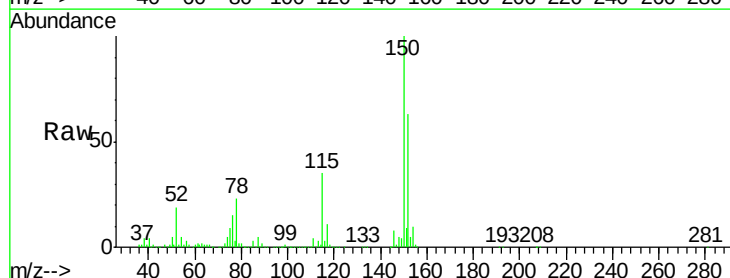
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

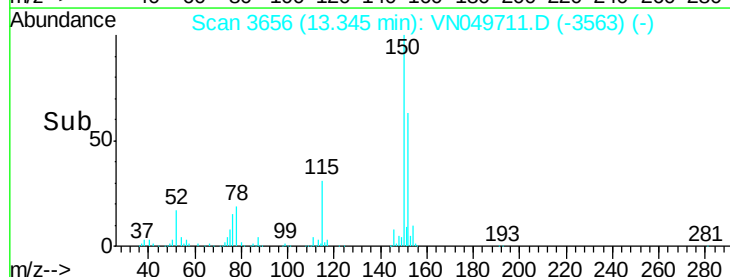
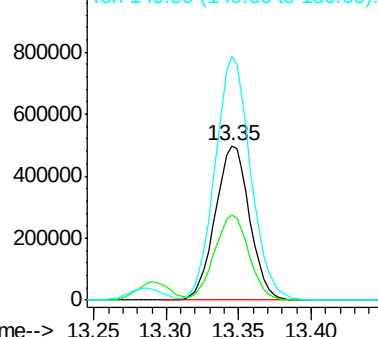
Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

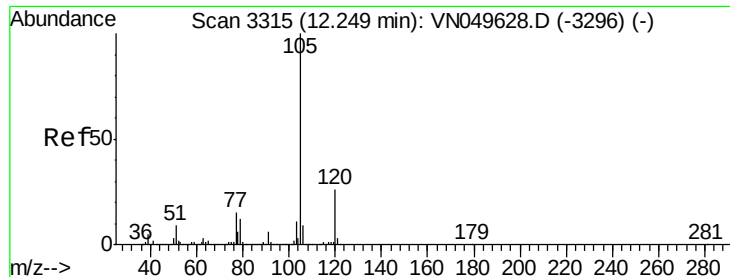
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 28.1  | 84.2  |
| 150     | 164.9 | 0.0   | 347.6 |



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: 21.052 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0705WBS01

Tot Ion:105 Resp: 1368503

Ion Ratio Lower Upper

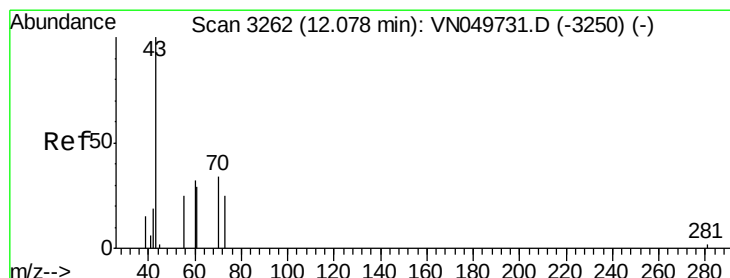
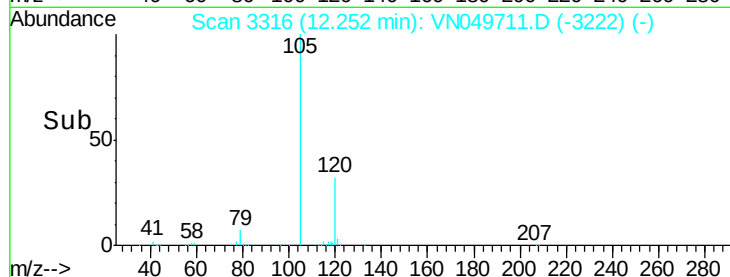
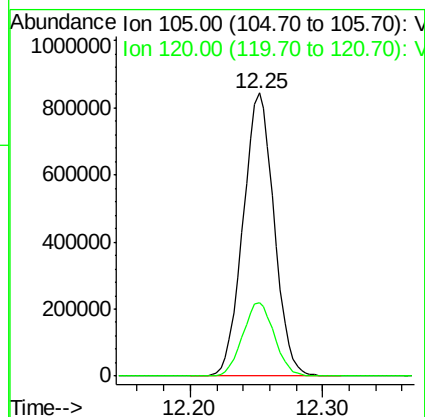
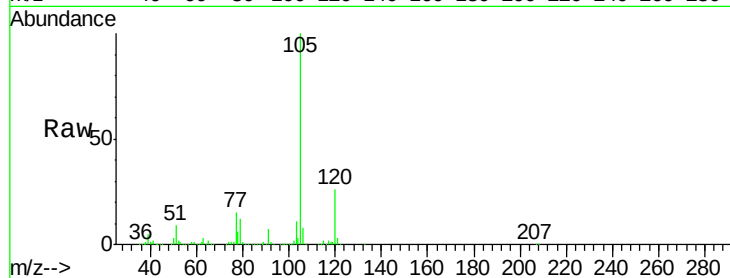
105 100

120 26.7 13.3 39.8

Manual Integrations  
APPROVED

sam

7/6/2018 4:25:51 PM



#74

N-ethyl acetate

Concen: 22.220 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Tgt Ion: 43 Resp: 394562

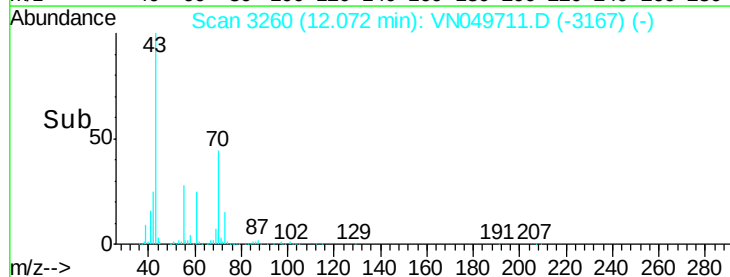
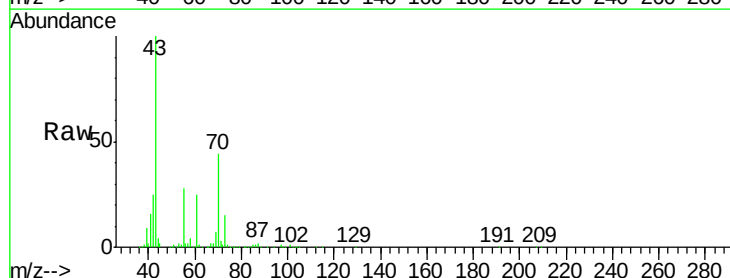
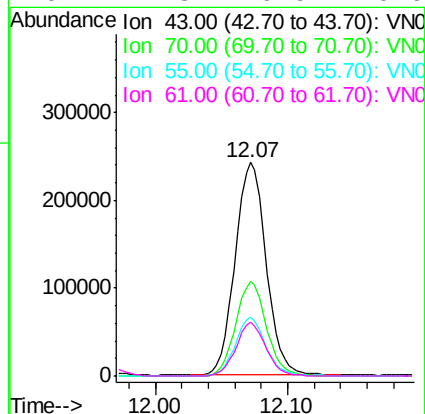
Ion Ratio Lower Upper

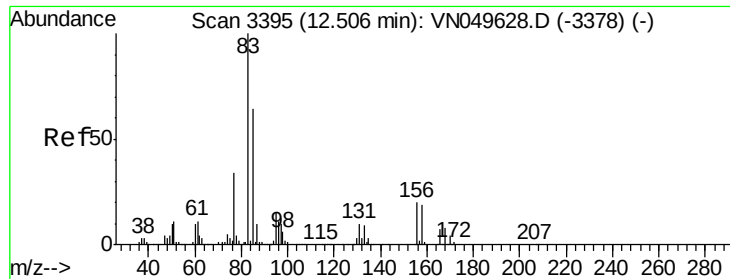
43 100

70 43.9 34.8 52.2

55 26.9 20.9 31.3

61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 25.208 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion: 83 Resp: 349668

Ion Ratio Lower Upper

83 100

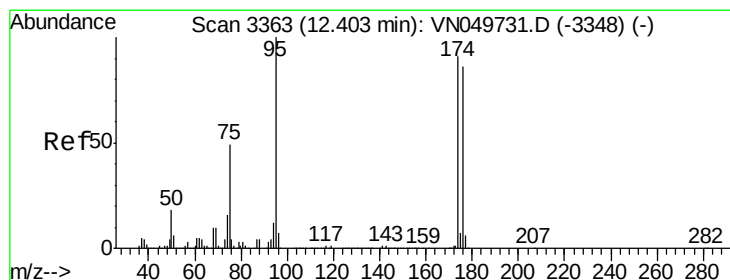
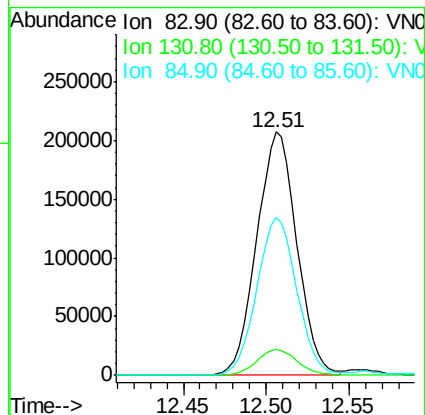
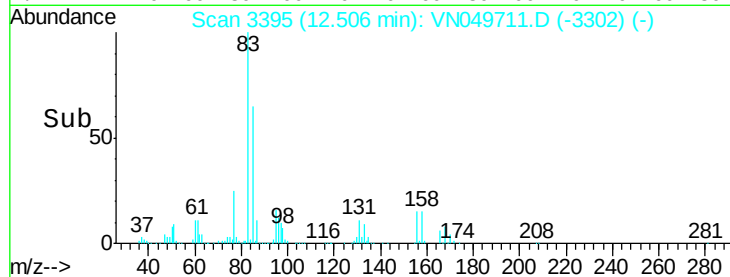
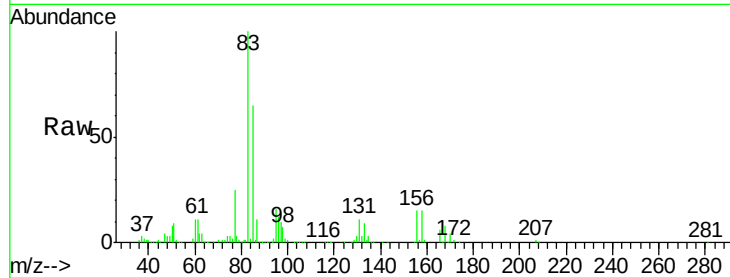
131 10.8 5.2 15.6

85 64.7 32.5 97.4

Manual Integrations  
APPROVED

sam

7/6/2018 4:25:51 PM



#76

1,2,3-Trichloropropane

Concen: 25.876 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049711.D

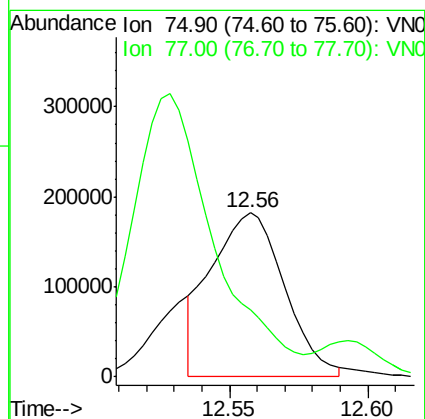
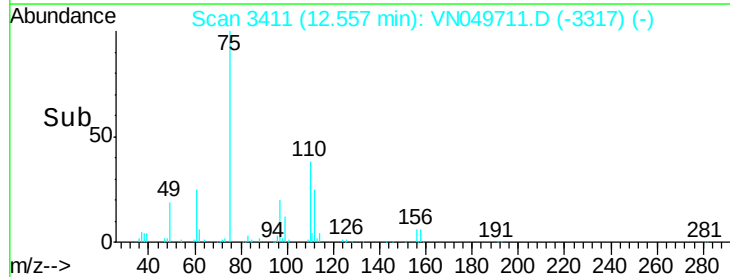
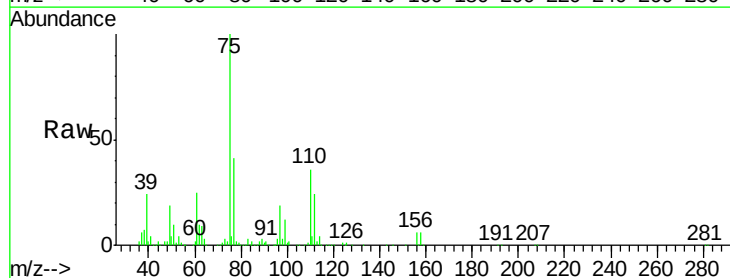
Acq: 5 Jul 2018 14:24

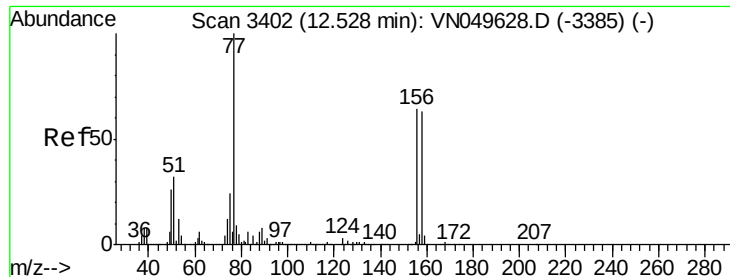
Tgt Ion: 75 Resp: 338677

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





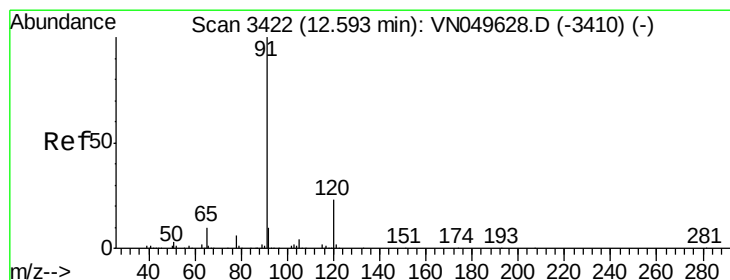
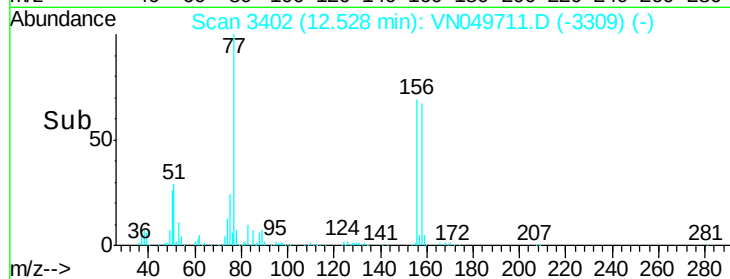
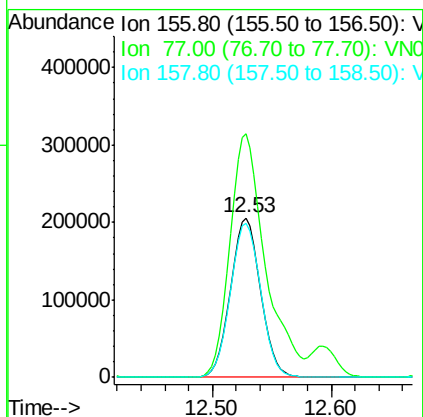
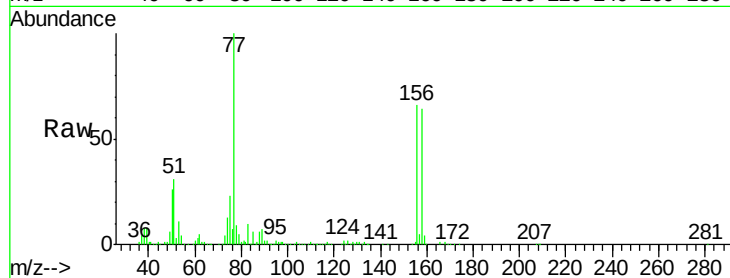
#77  
Bromobenzene  
Concen: 20.376 ug/l  
RT: 12.53 min Scan# 3402  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 180.3 | 90.2  | 270.6 |
| 158     | 97.9  | 49.1  | 147.3 |

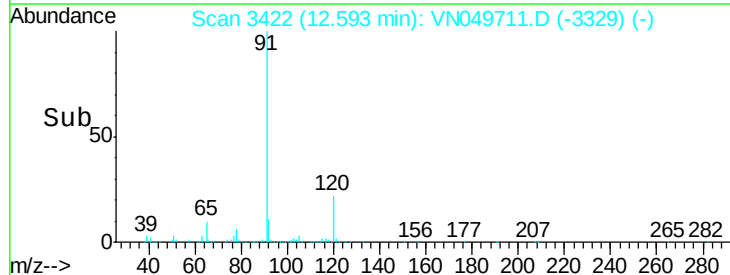
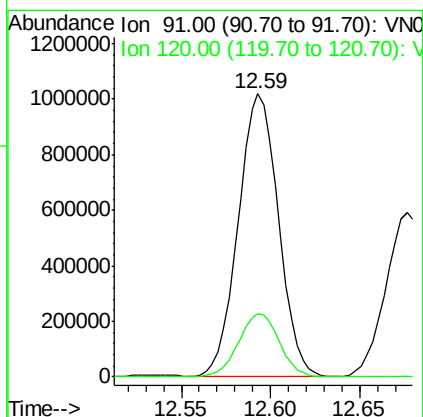
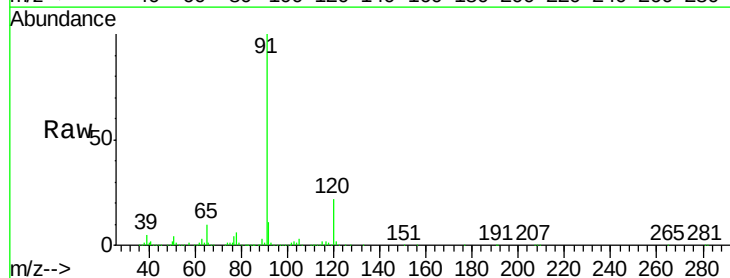
Manual Integrations  
APPROVED

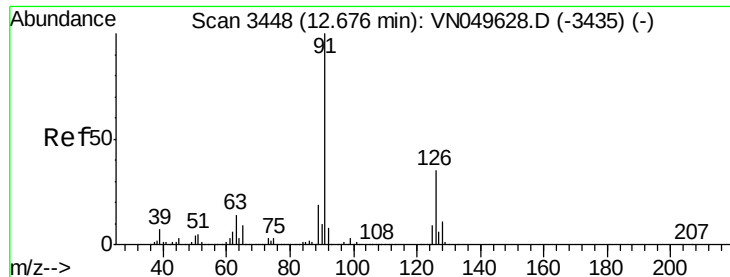
sam  
7/6/2018 4:25:51 PM



#78  
n-propylbenzene  
Concen: 21.376 ug/l  
RT: 12.59 min Scan# 3422  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.8  | 11.5  | 34.4  |





#79

2-Chlorotoluene

Concen: 20.668 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampled :

VN0705WBS01

Tot Ion: 91 Resp: 974550

Ion Ratio Lower Upper

91 100

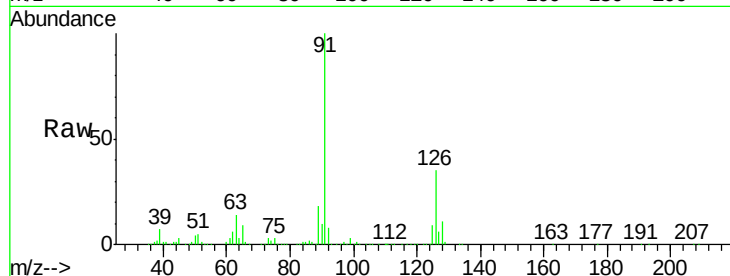
126 35.2 17.5 52.5

Manual Integrations

APPROVED

sam

7/6/2018 4:25:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049711.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049711.D (-3355) (-)

800000

600000

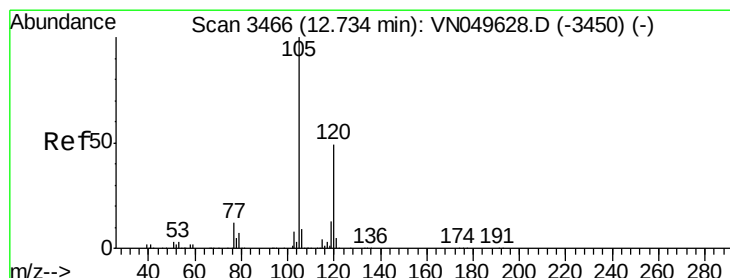
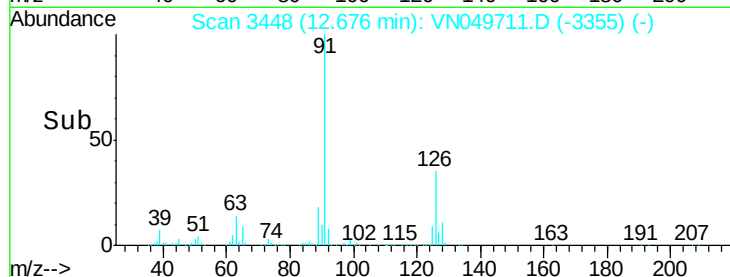
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.771 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049711.D

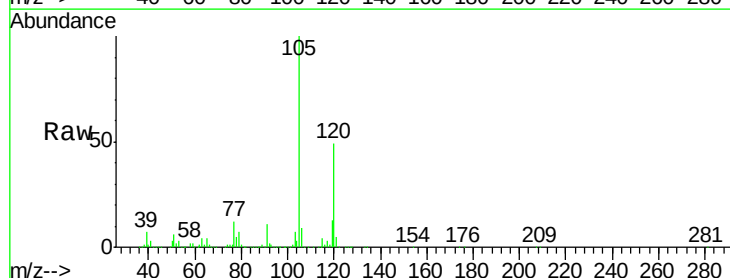
Acq: 5 Jul 2018 14:24

Tgt Ion:105 Resp: 1176081

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049711.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049711.D (-3373) (-)

800000

600000

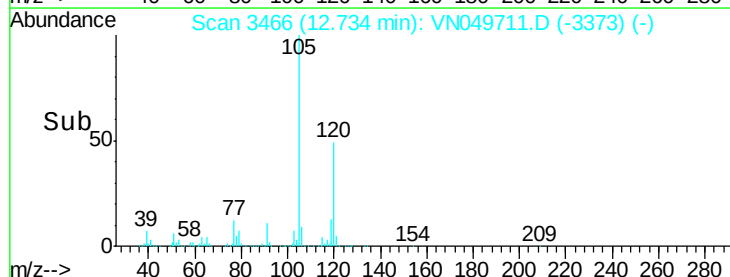
400000

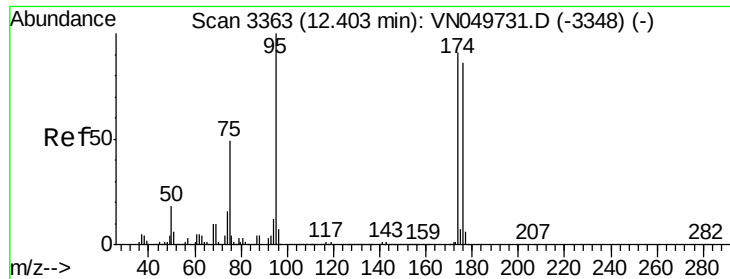
200000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.680 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

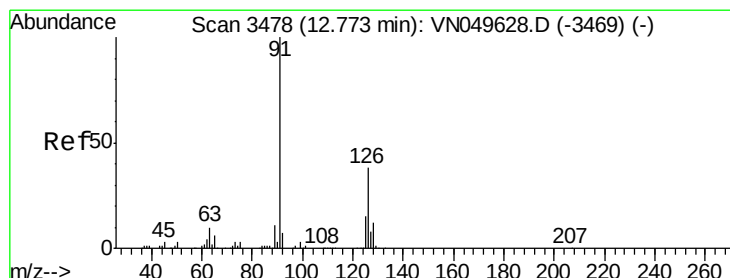
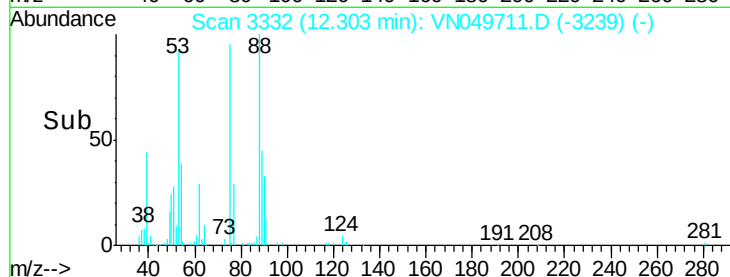
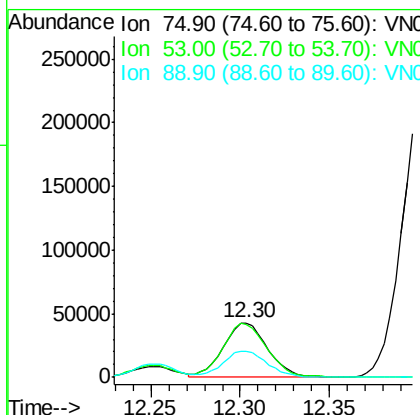
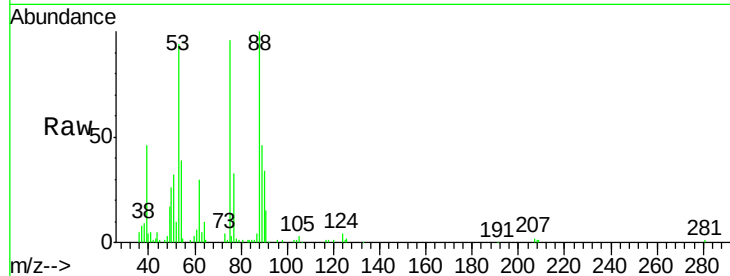
ClientSampled :

VN0705WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 71985 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 101.6 | 73.9  | 110.9 |
| 89       | 49.7  | 35.9  | 53.9  |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#82

4-Chlorotoluene

Concen: 20.591 ug/l

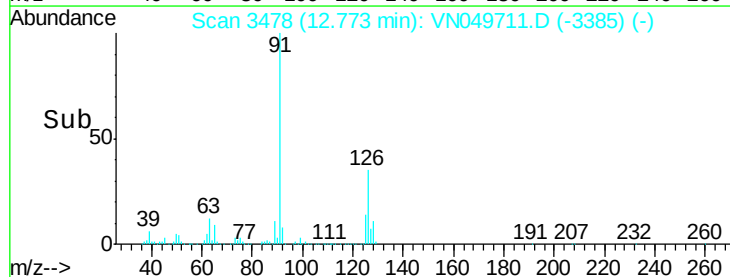
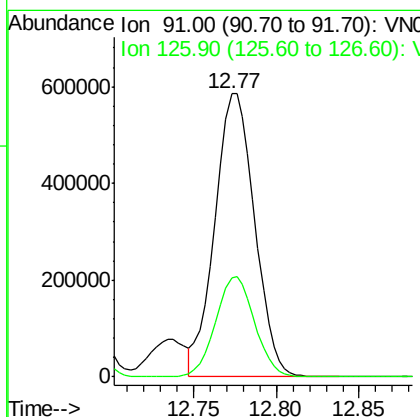
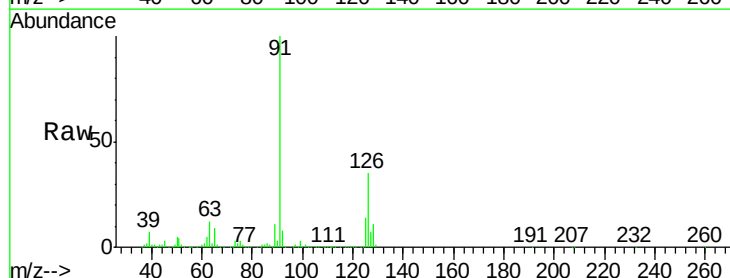
RT: 12.77 min Scan# 3478

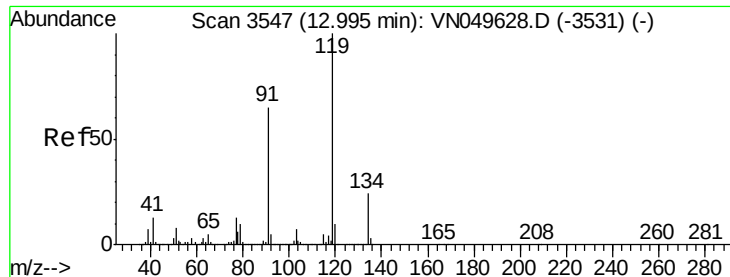
Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 976225 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.7  | 17.2  | 51.6   |





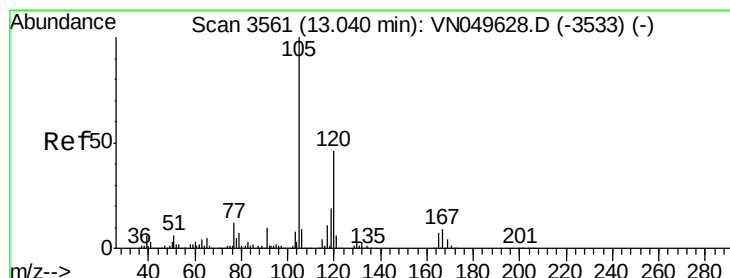
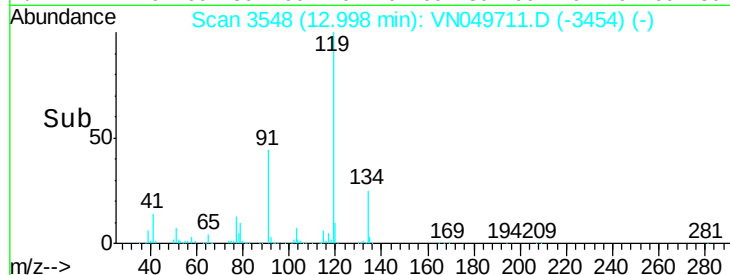
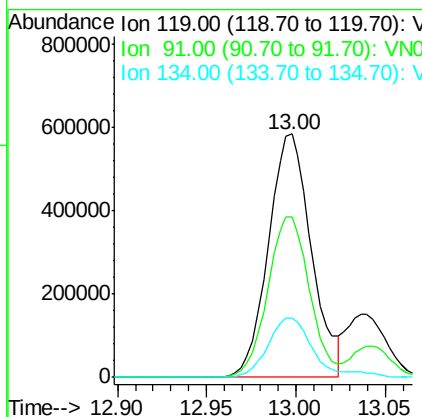
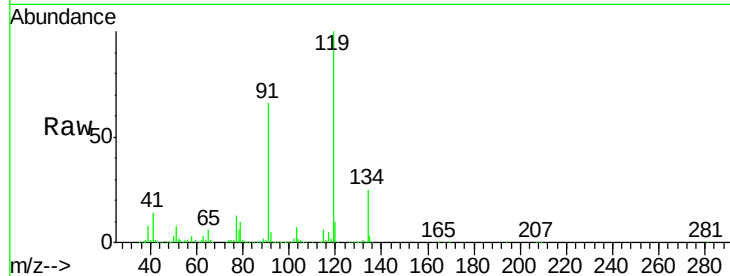
#83  
 tert-Butylbenzene  
 Concen: 21.107 ug/l  
 RT: 13.00 min Scan# 3548  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.1  | 32.0  | 96.2  |
| 134     | 25.9  | 12.8  | 38.4  |

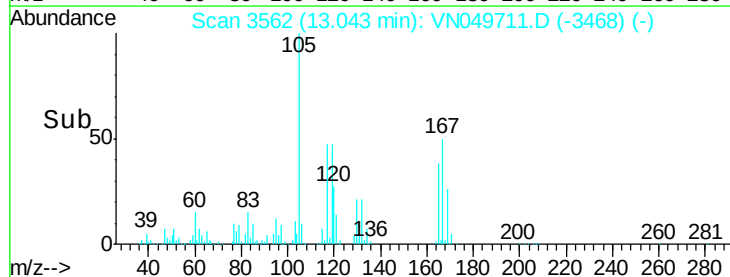
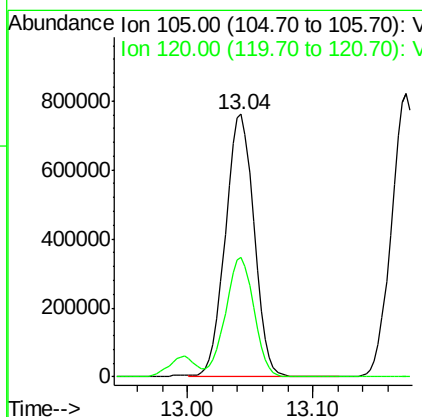
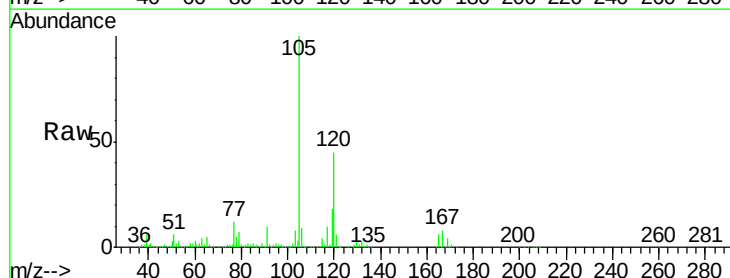
Manual Integrations  
 APPROVED

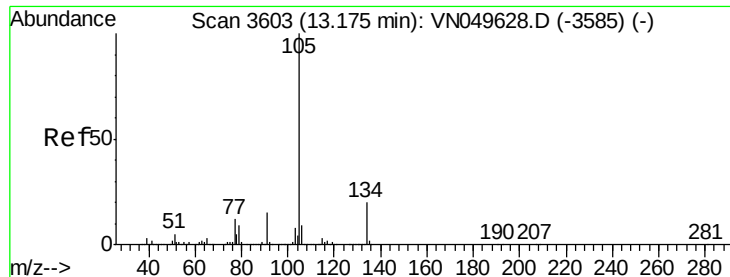
sam  
 7/6/2018 4:25:51 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.719 ug/l  
 RT: 13.04 min Scan# 3562  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.9  | 22.7  | 68.1  |





#85

sec-Butylbenzene

Concen: 21.343 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0705WBS01

Tot Ion:105 Resp: 1312200

Ion Ratio Lower Upper

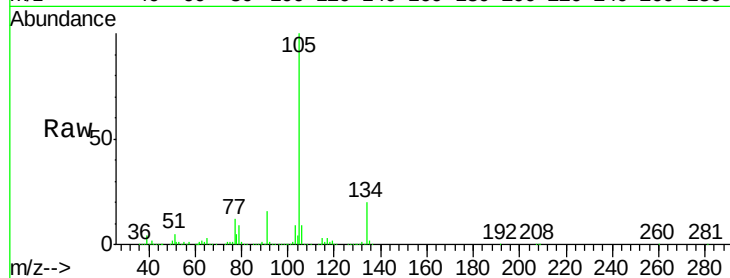
105 100

134 20.2 10.1 30.1

Manual Integrations  
APPROVED

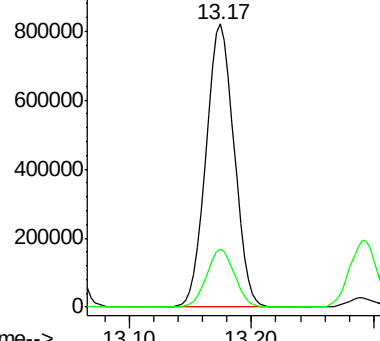
sam

7/6/2018 4:25:51 PM

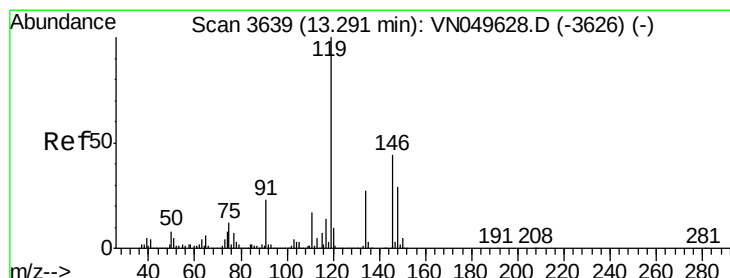
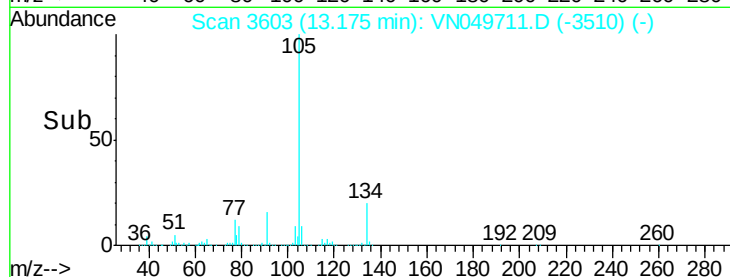


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.543 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

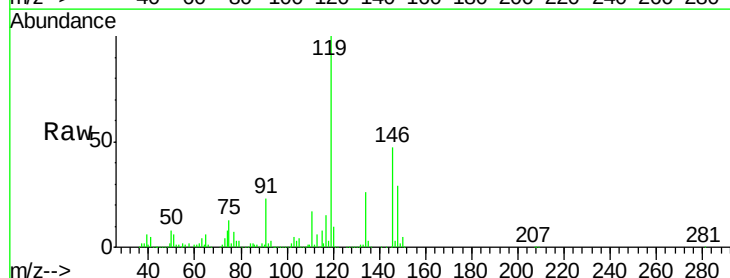
Tgt Ion:119 Resp: 1147265

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

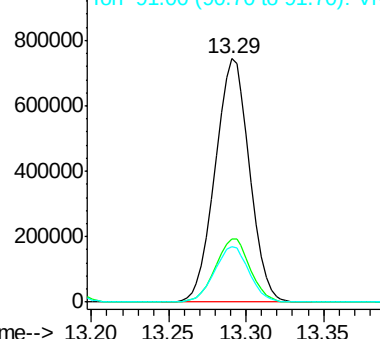
91 22.9 11.4 34.1



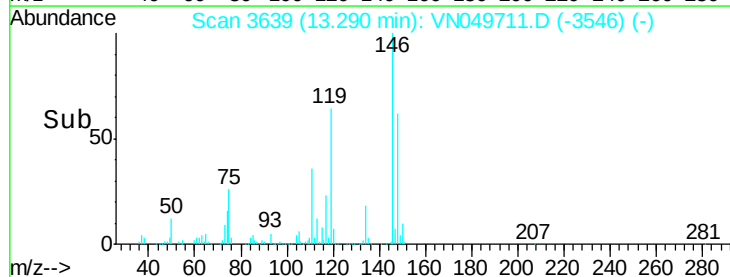
Abundance Ion 119.00 (118.70 to 119.70): V

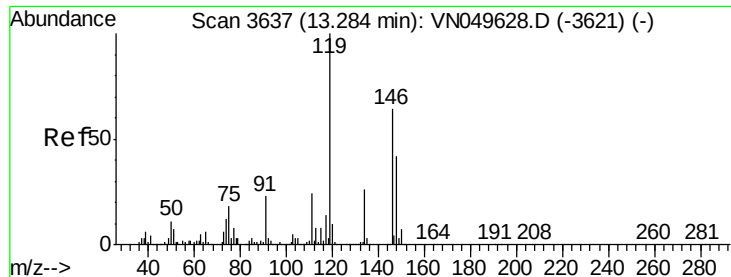
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 21.211 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049711.D

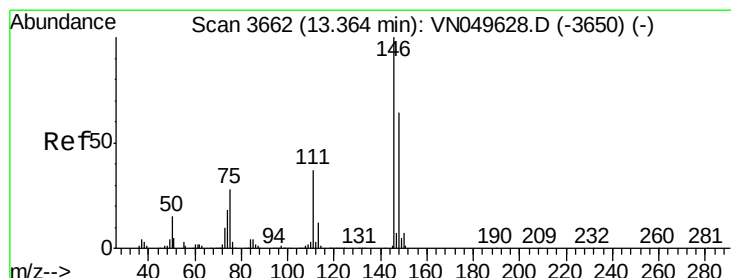
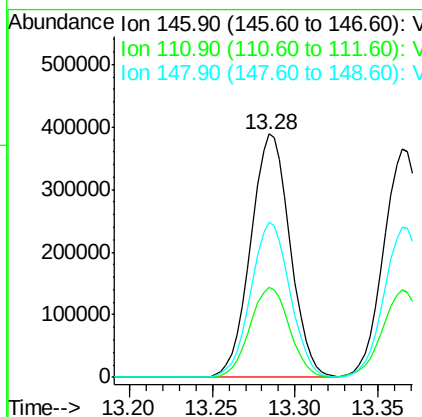
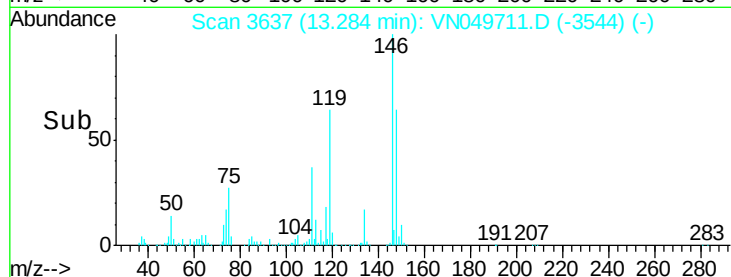
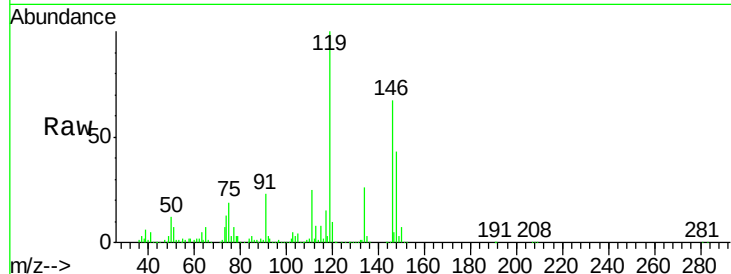
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 19.0  | 57.0  |
| 148     | 63.4  | 32.5  | 97.5  |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#88

1,4-Dichlorobenzene

Concen: 20.379 ug/l

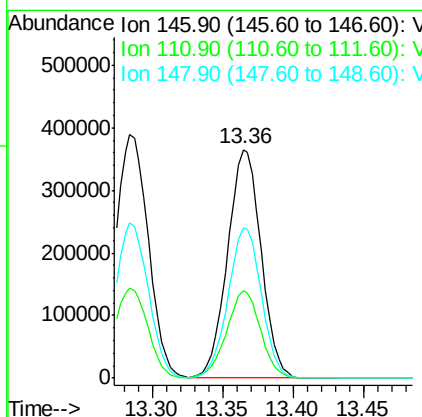
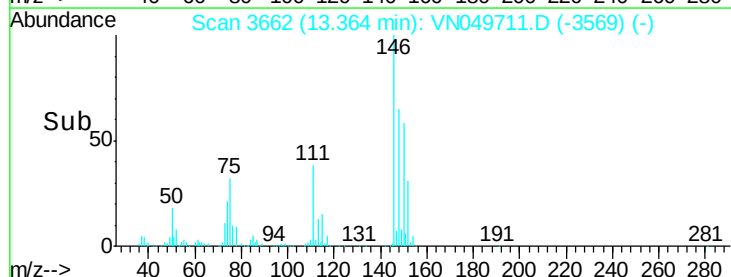
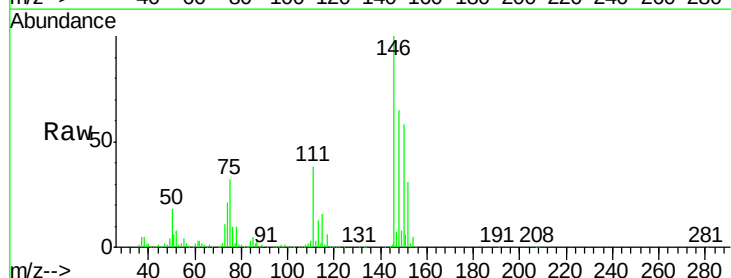
RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

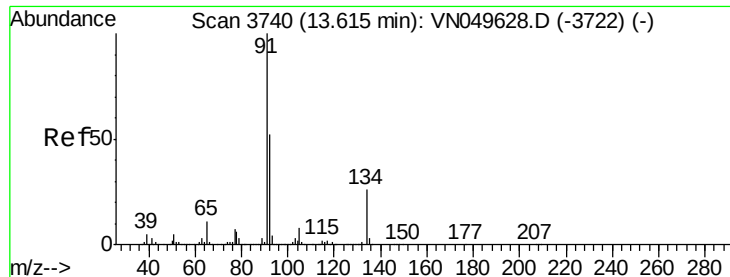
Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 18.9  | 56.5  |
| 148     | 65.5  | 32.1  | 96.3  |







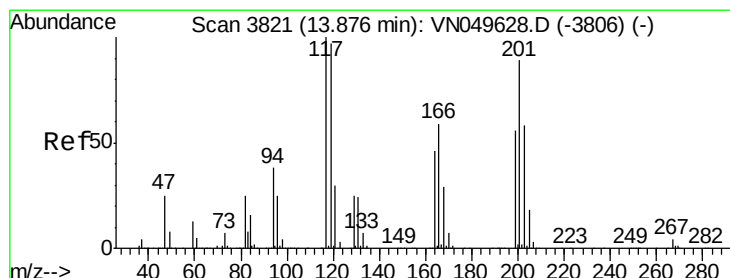
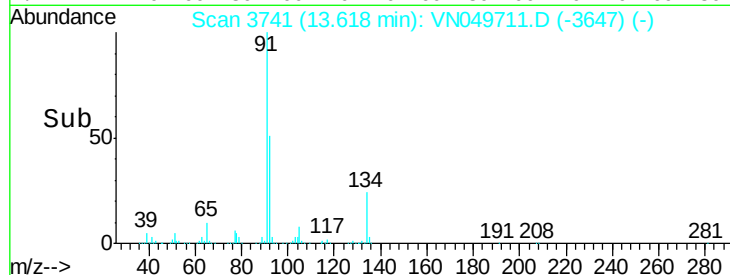
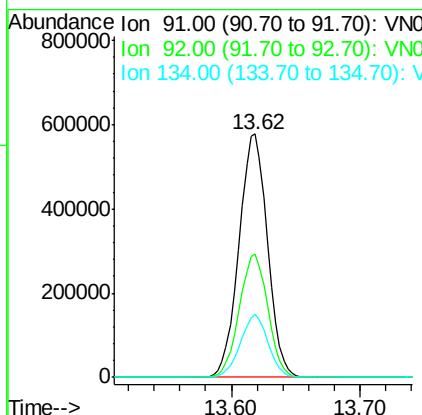
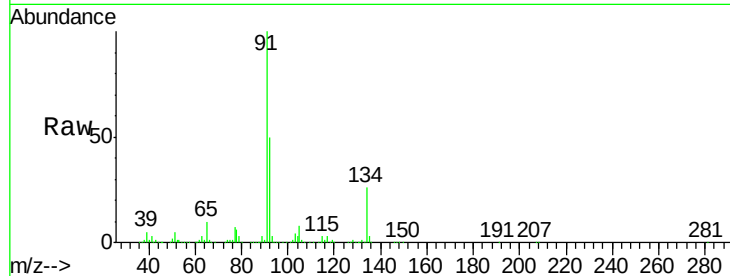
#89  
n-Butylbenzene  
Concen: 19.446 ug/l  
RT: 13.62 min Scan# 3741  
Delta R.T. 0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.8  | 25.8  | 77.3  |
| 134     | 25.1  | 13.0  | 38.9  |

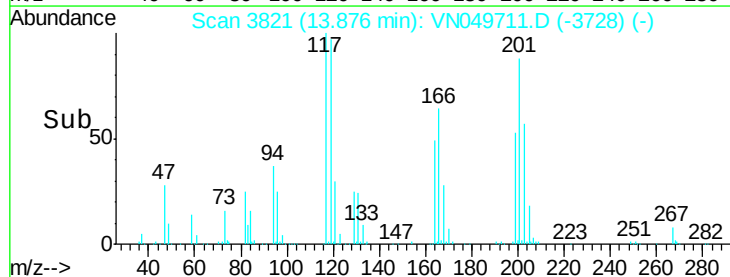
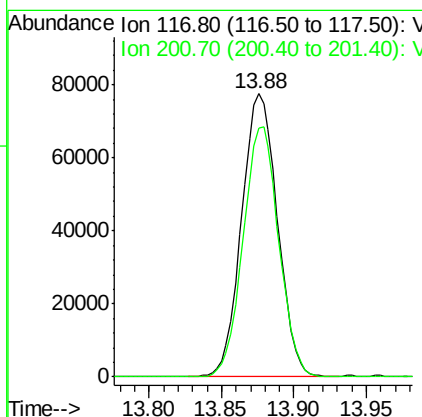
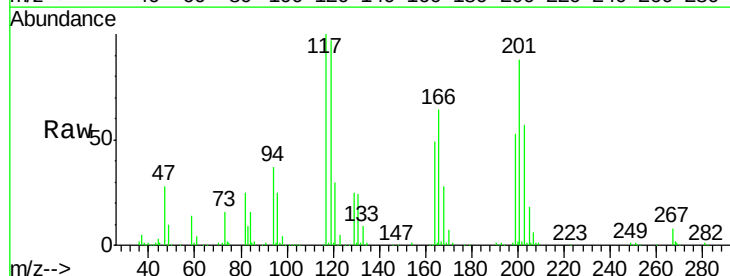
Manual Integrations  
APPROVED

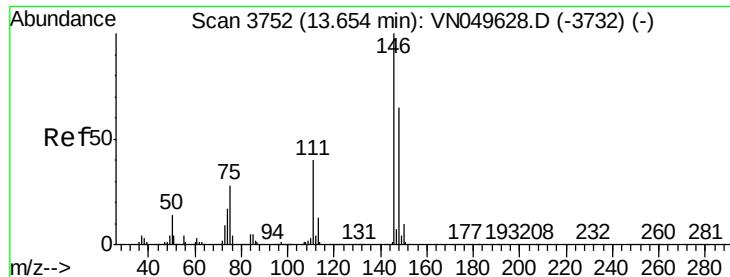
sam  
7/6/2018 4:25:51 PM



#90  
Hexachloroethane  
Concen: 23.646 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. -0.00 min  
Lab File: VN049711.D  
Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.5  | 45.3  | 135.8 |





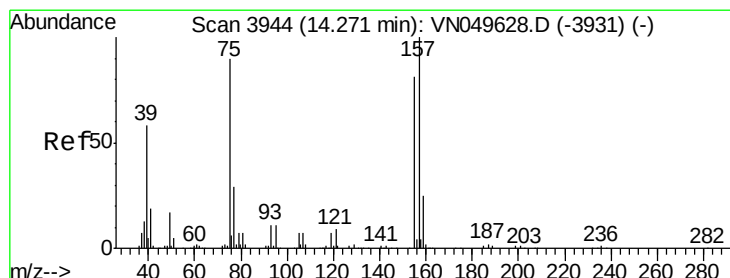
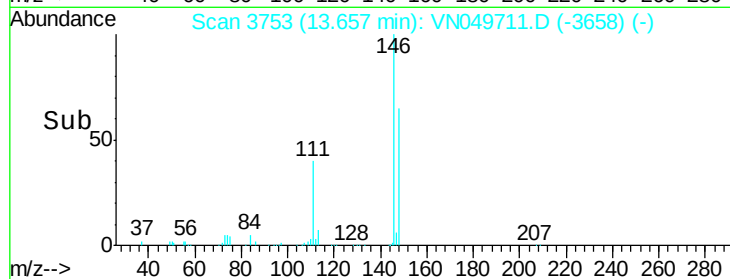
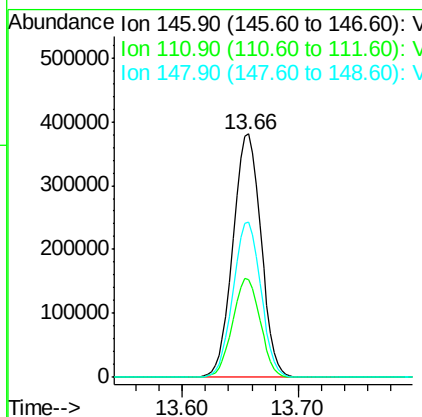
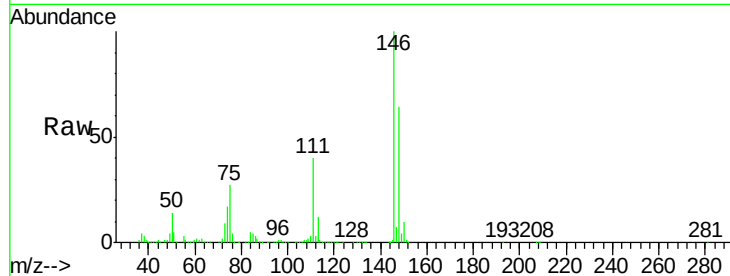
#91  
 1,2-Dichlorobenzene  
 Concen: 21.468 ug/l  
 RT: 13.66 min Scan# 3753  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0705WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 19.7  | 59.1  |
| 148     | 63.4  | 32.0  | 96.2  |

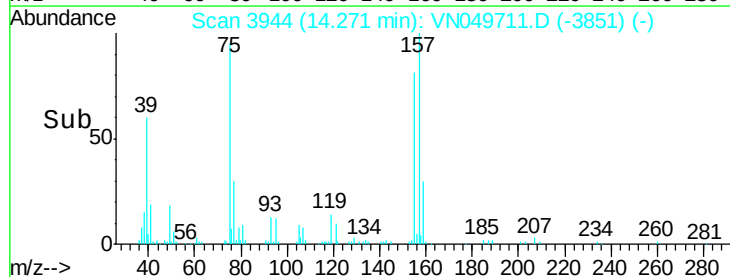
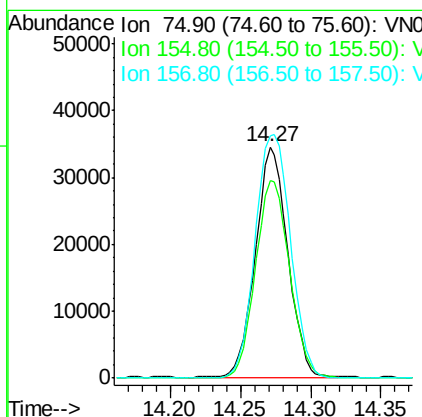
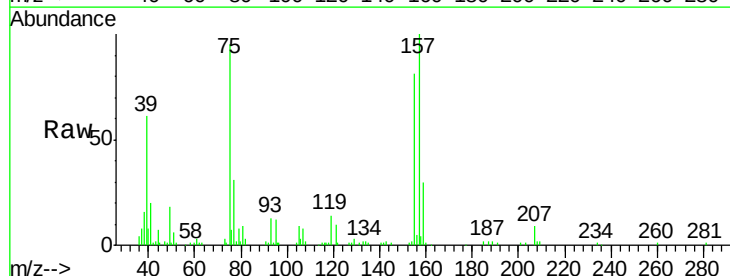
Manual Integrations  
 APPROVED

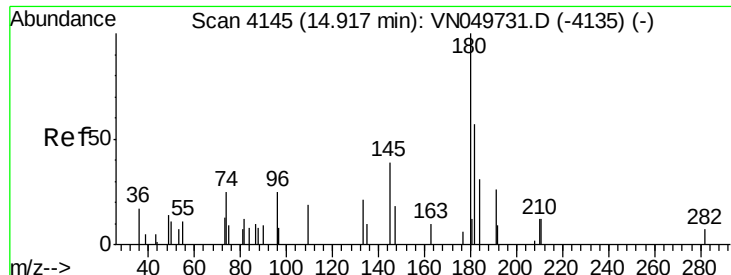
sam  
 7/6/2018 4:25:51 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 24.158 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN049711.D  
 Acq: 5 Jul 2018 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 89.2  | 45.7  | 137.1 |
| 157     | 114.2 | 56.9  | 170.7 |





#93

1,2,4-Trichlorobenzene

Concen: 18.780 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

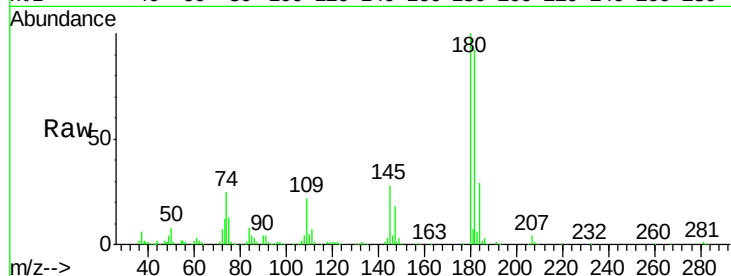
ClientSampleId :

VN0705WBS01

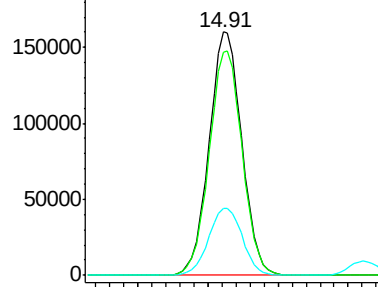
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 258691 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.2  | 47.3  | 141.9  |
| 145       | 28.6  | 14.4  | 43.0   |

Manual Integrations  
APPROVED

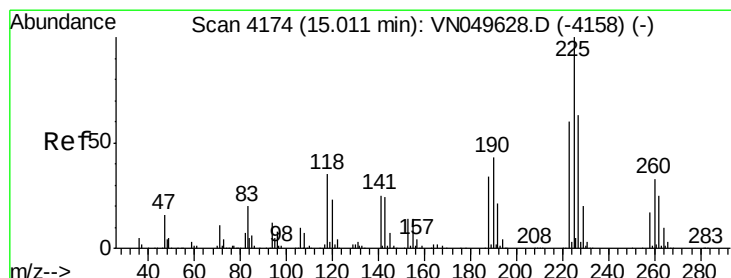
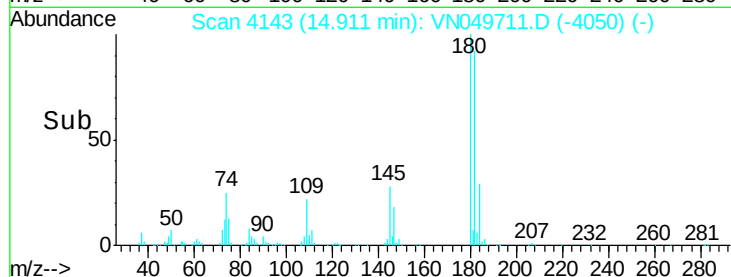
Sam  
7/6/2018 4:25:51 PM



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 21.078 ug/l

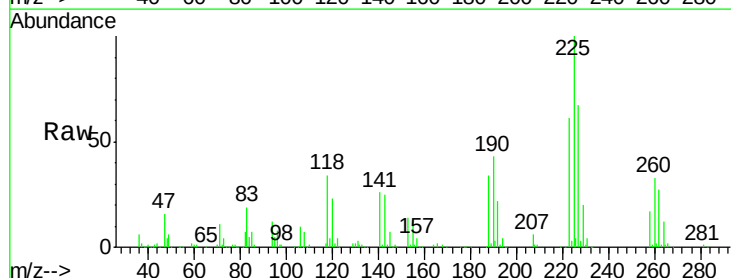
RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

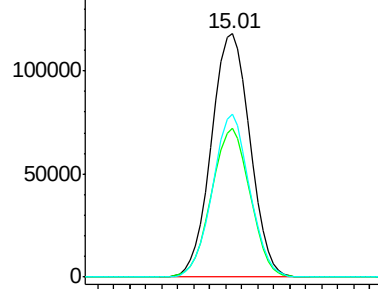
Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

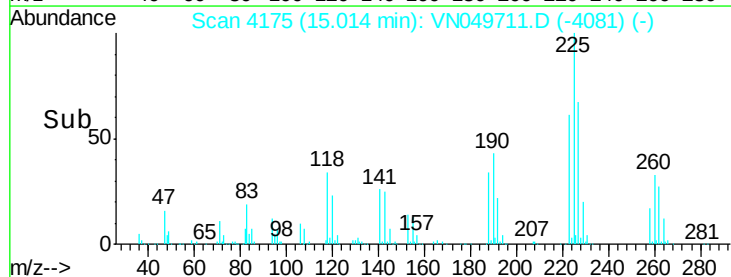
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 193896 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 61.1  | 30.9  | 92.7   |
| 227       | 64.3  | 31.8  | 95.4   |

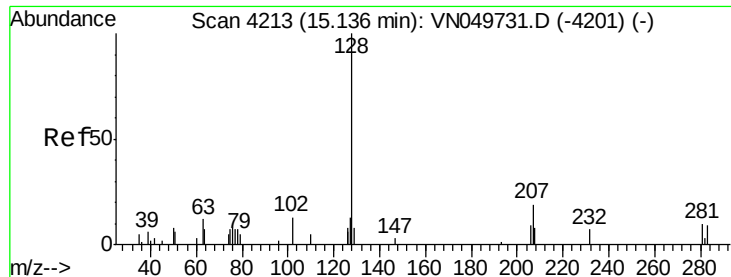


Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 18.514 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

Instrument :

MSVOA\_N

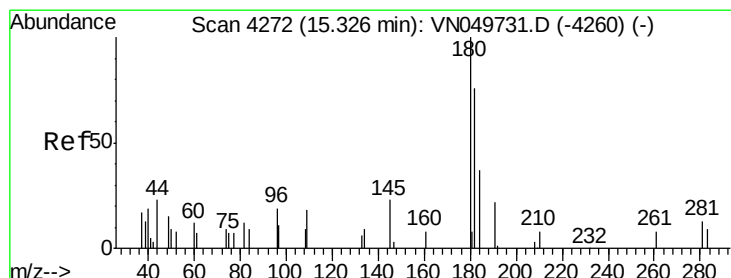
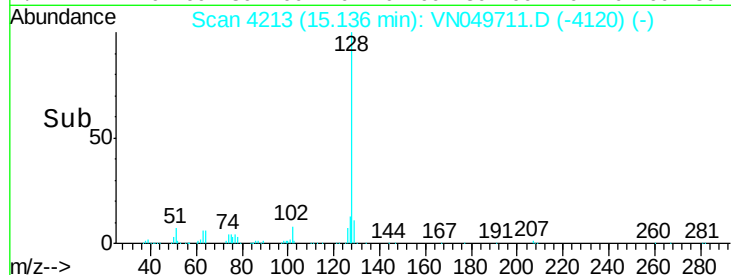
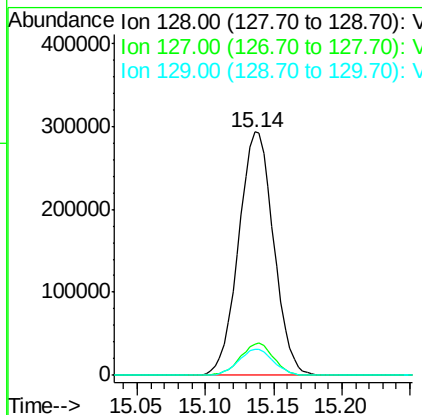
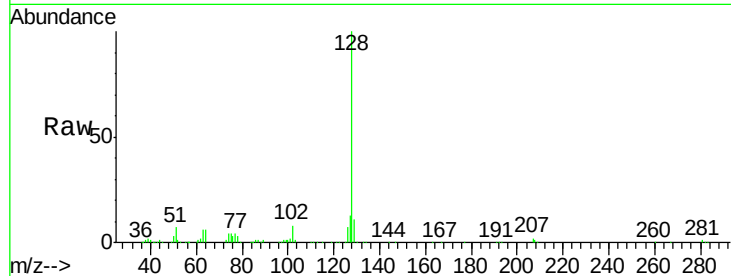
ClientSampleId :

VN0705WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 521875 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.4  | 15.6   |
| 129       | 10.6  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

sam  
7/6/2018 4:25:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.804 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049711.D

Acq: 5 Jul 2018 14:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 268089 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.1  | 47.4  | 142.2  |
| 145       | 29.5  | 15.2  | 45.6   |

