

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\  
 Data File : VF059476.D  
 Acq On : 7 Jul 2018 4:50  
 Operator : VA/AP  
 Sample : VSTDICC150  
 Misc : 5.03g/5mL/MSVOA-F/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

apatel  
 7/9/2018 9:34:49 AM

Quant Time: Jul 07 06:31:33 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F070718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 07 05:43:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.01  | 168  | 262033   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.73  | 114  | 389791   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.89  | 117  | 395612   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152  | 221329   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 4.98   | 65  | 648776   | 178.66 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 357.32% |      |
| 35) Dibromofluoromethane  | 4.26   | 113 | 512429   | 170.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 340.98% |      |
| 50) Toluene-d8            | 7.67   | 98  | 1278100  | 172.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 345.94% |      |
| 62) 4-Bromofluorobenzene  | 11.49  | 95  | 641396   | 153.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 307.14% |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.98 | 85  | 525616  | 199.24 | ug/l   | 97     |
| 3) Chloromethane              | 1.08 | 50  | 271338  | 163.88 | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.15 | 62  | 291329  | 178.46 | ug/l   | 95     |
| 5) Bromomethane               | 1.32 | 94  | 190415  | 170.66 | ug/l   | 96     |
| 6) Chloroethane               | 1.41 | 64  | 135536  | 163.72 | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.51 | 101 | 589202m | 175.57 | ug/l   |        |
| 8) Diethyl Ether              | 1.69 | 74  | 127129  | 154.57 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.89 | 101 | 255895  | 133.67 | ug/l   | 99     |
| 10) Methyl Iodide             | 1.94 | 142 | 575759  | 166.13 | ug/l   | 96     |
| 11) Tert butyl alcohol        | 2.67 | 59  | 145831  | 646.83 | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 1.84 | 96  | 275295  | 169.29 | ug/l   | 86     |
| 13) Acrolein                  | 2.07 | 56  | 115674  | 864.00 | ug/l   | 98     |
| 14) Allyl chloride            | 2.17 | 41  | 490837  | 165.67 | ug/l # | 80     |
| 15) Acrylonitrile             | 3.05 | 53  | 284404  | 721.81 | ug/l   | 97     |
| 16) Acetone                   | 2.32 | 43  | 439562  | 492.13 | ug/l   | 94     |
| 17) Carbon Disulfide          | 1.87 | 76  | 779051  | 201.00 | ug/l   | 98     |
| 18) Methyl Acetate            | 2.43 | 43  | 219316m | 124.10 | ug/l   |        |
| 19) Methyl tert-butyl Ether   | 2.52 | 73  | 876414  | 148.39 | ug/l   | 99     |
| 20) Methylene Chloride        | 2.30 | 84  | 266912m | 103.89 | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.39 | 96  | 293535  | 170.05 | ug/l   | 95     |
| 22) Diisopropyl ether         | 2.90 | 45  | 1077615 | 165.90 | ug/l   | 94     |
| 23) Vinyl Acetate             | 3.30 | 43  | 2898528 | 706.42 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 2.97 | 63  | 662770  | 161.12 | ug/l   | 100    |
| 25) 2-Butanone                | 4.48 | 43  | 668737  | 621.32 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 3.73 | 77  | 352489  | 127.96 | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 3.60 | 96  | 383422  | 151.50 | ug/l   | 92     |
| 28) Bromochloromethane        | 3.86 | 49  | 269303  | 151.05 | ug/l   | 96     |
| 29) Tetrahydrofuran           | 4.22 | 42  | 306385  | 645.46 | ug/l   | 99     |
| 30) Chloroform                | 3.99 | 83  | 919503  | 154.48 | ug/l   | 97     |
| 31) Cyclohexane               | 3.83 | 56  | 399297  | 150.17 | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 4.23 | 97  | 672489  | 153.44 | ug/l   | 93     |
| 36) 1,1-Dichloropropene       | 4.42 | 75  | 604438  | 169.88 | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.26 | 43  | 327884  | 136.15 | ug/l   | 95     |
| 38) Carbon Tetrachloride      | 4.13 | 117 | 768795m | 167.88 | ug/l   |        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\  
 Data File : VF059476.D  
 Acq On : 7 Jul 2018 4:50  
 Operator : VA/AP  
 Sample : VSTDICC150  
 Misc : 5.03g/5mL/MSVOA-F/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

apatel  
 7/9/2018 9:34:49 AM

Quant Time: Jul 07 06:31:33 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F070718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 07 05:43:52 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.59  | 83   | 499840   | 158.36  | ug/l   | 99       |
| 40) Benzene                    | 4.77  | 78   | 1175024  | 153.48  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.88  | 41   | 171148   | 147.10  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 5.08  | 62   | 780951   | 167.56  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 7.08  | 43   | 436248   | 154.42  | ug/l   | 99       |
| 44) Trichloroethene            | 5.64  | 130  | 389422   | 145.08  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 6.37  | 63   | 331897   | 152.26  | ug/l   | 99       |
| 46) Dibromomethane             | 6.21  | 93   | 304075   | 158.33  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.51  | 83   | 763900   | 163.36  | ug/l   | 94       |
| 48) Methyl methacrylate        | 6.83  | 41   | 308614   | 160.41  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 6.83  | 88   | 24822    | 2140.87 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 8.37  | 43   | 1370290  | 650.55  | ug/l   | 97       |
| 52) Toluene                    | 7.75  | 92   | 821809   | 142.49  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.40  | 75   | 642804   | 151.84  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.42  | 75   | 682808   | 150.61  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 8.61  | 97   | 337212   | 151.50  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.73  | 69   | 408707   | 150.85  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.96  | 76   | 574482   | 150.40  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.75  | 63   | 166294   | 777.99  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.60  | 43   | 1063305  | 612.15  | ug/l   | 95       |
| 60) Dibromochloromethane       | 8.83  | 129  | 560978   | 161.63  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 9.10  | 107  | 415462   | 153.45  | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.27  | 164  | 468910   | 172.74  | ug/l   | 96       |
| 65) Chlorobenzene              | 9.91  | 112  | 1079521  | 144.09  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.04 | 131  | 475486   | 145.66  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.01 | 91   | 1820713  | 142.66  | ug/l   | 95       |
| 68) m/p-Xylenes                | 10.24 | 106  | 1252138  | 277.71  | ug/l   | 93       |
| 69) o-Xylene                   | 10.81 | 106  | 708775   | 140.88  | ug/l   | 86       |
| 70) Styrene                    | 10.87 | 104  | 1086424  | 141.54  | ug/l   | 97       |
| 71) Bromoform                  | 10.87 | 173  | 352456   | 158.26  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.20 | 105  | 2005784  | 152.25  | ug/l   | 96       |
| 74) N-amyl acetate             | 11.44 | 43   | 668726   | 143.71  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.76 | 83   | 448374   | 138.16  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.86 | 75   | 369443   | 148.40  | ug/l   | 98       |
| 77) Bromobenzene               | 11.57 | 156  | 567611   | 156.57  | ug/l   | 91       |
| 78) n-propylbenzene            | 11.66 | 91   | 2224986  | 140.71  | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 11.79 | 91   | 1428744  | 147.32  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene     | 11.89 | 105  | 1655720  | 142.53  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 198929   | 137.80  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 1512372  | 147.10  | ug/l   | 93       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 1581302  | 137.64  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.26 | 105  | 1732879  | 142.87  | ug/l   | 95       |
| 85) sec-Butylbenzene           | 12.36 | 105  | 2151637  | 140.39  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.52 | 119  | 1794153  | 139.13  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 12.54 | 146  | 912731   | 135.34  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.63 | 146  | 947243   | 144.59  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.90 | 91   | 1653719  | 126.30  | ug/l   | 95       |
| 90) Hexachloroethane           | 12.97 | 117  | 477822   | 148.24  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 912320   | 138.19  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 115729   | 157.29  | ug/l   | 90       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\  
Data File : VF059476.D  
Acq On : 7 Jul 2018 4:50  
Operator : VA/AP  
Sample : VSTDICC150  
Misc : 5.03g/5mL/MSVOA-F/SOIL  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

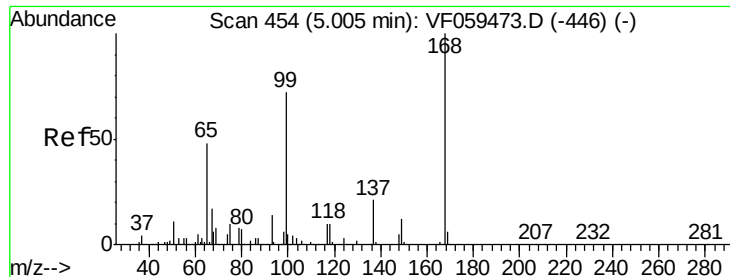
apatel  
7/9/2018 9:34:49 AM

Quant Time: Jul 07 06:31:33 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F070718S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 07 05:43:52 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.25 | 180  | 685624   | 139.82 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.24 | 225  | 416388   | 148.07 | ug/l  | 95       |
| 95) Naphthalene            | 14.50 | 128  | 1569198  | 152.80 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180  | 701176   | 150.19 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 262033

Ion Ratio Lower Upper

168 100

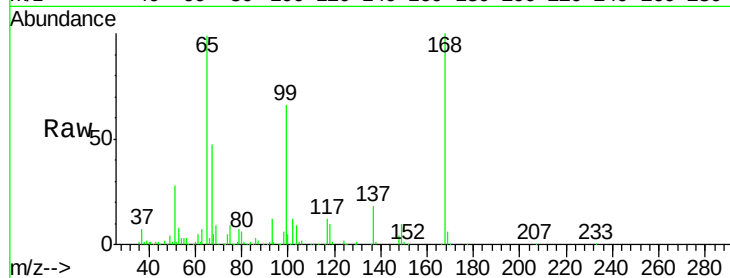
99 66.3 57.7 86.5

Manual Integrations

APPROVED

apatel

7/9/2018 9:34:49 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

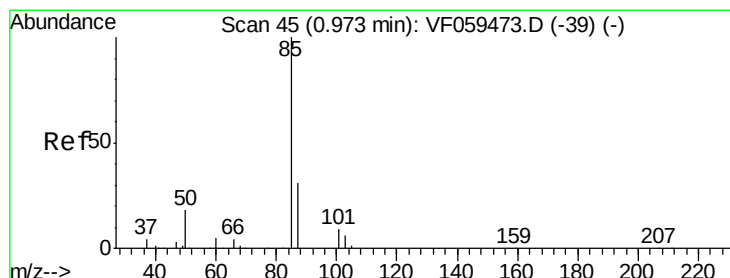
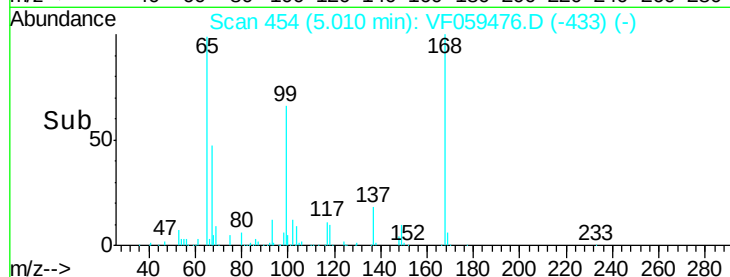
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 199.24 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.01 min

Lab File: VF059476.D

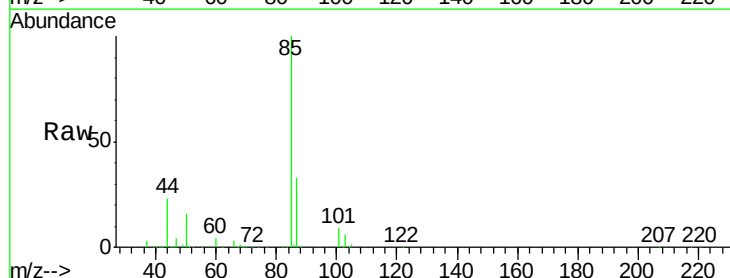
Acq: 7 Jul 2018 4:50

Tgt Ion: 85 Resp: 525616

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

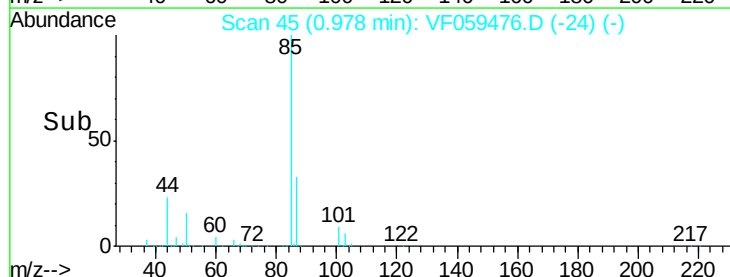
150000

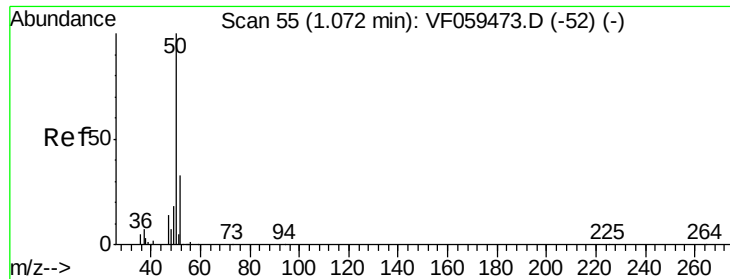
100000

50000

0

Time-->





#3

Chloromethane

Concen: 163.88 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 271338

Ion Ratio Lower Upper

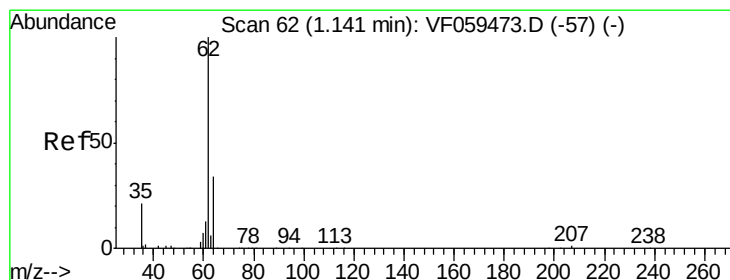
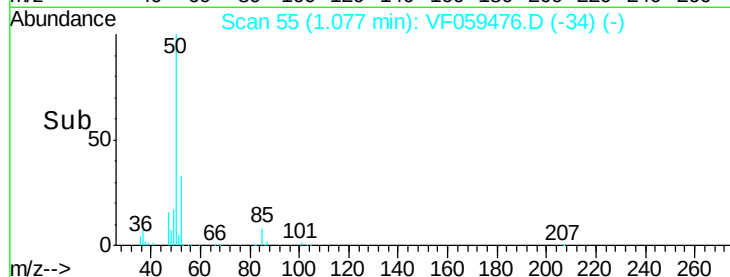
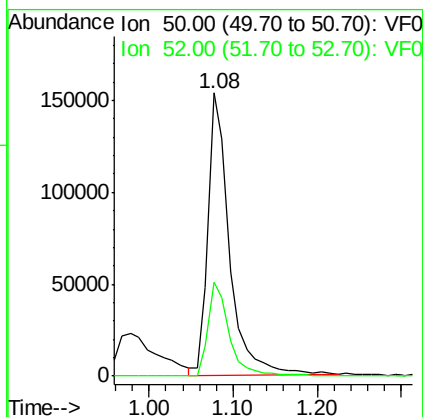
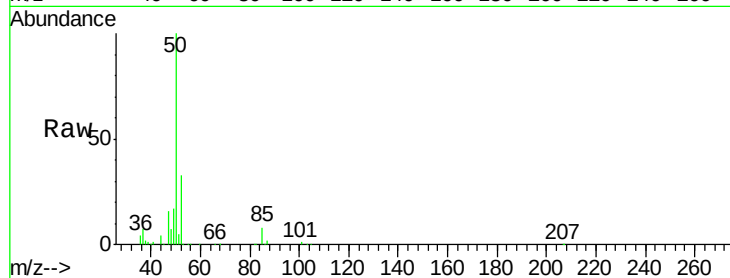
50 100

52 33.1 25.9 38.9

Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



#4

Vinyl Chloride

Concen: 178.46 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF059476.D

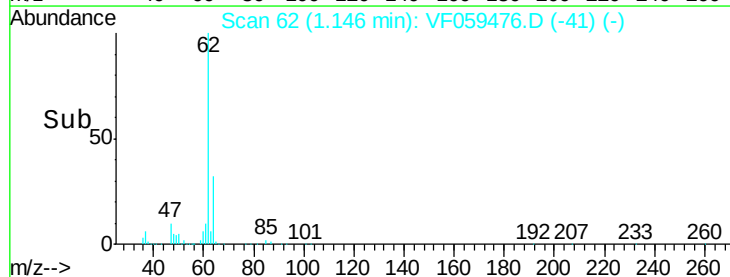
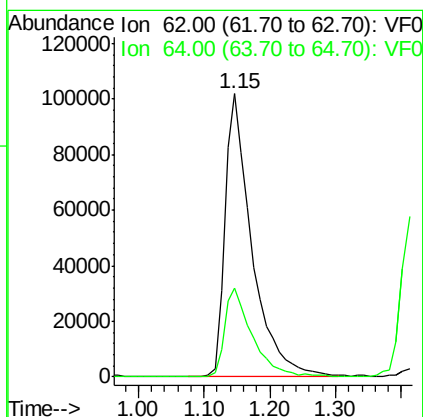
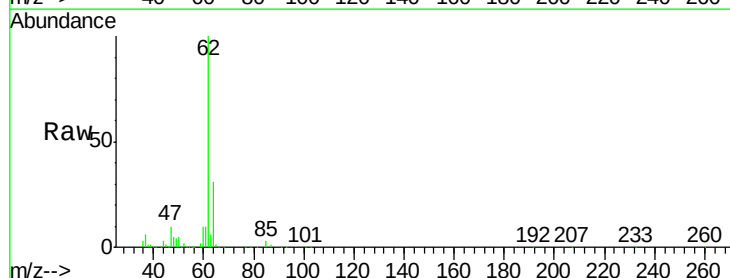
Acq: 7 Jul 2018 4:50

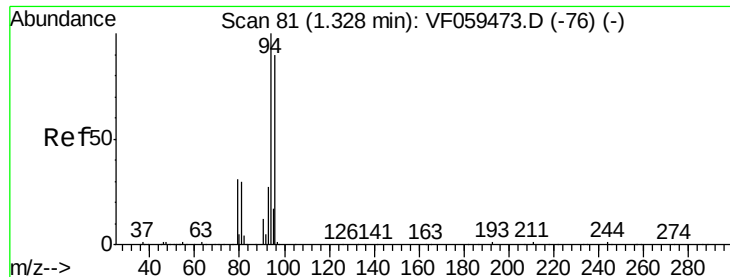
Tgt Ion: 62 Resp: 291329

Ion Ratio Lower Upper

62 100

64 31.4 27.3 40.9





#5

Bromomethane

Concen: 170.66 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 190415

Ion Ratio Lower Upper

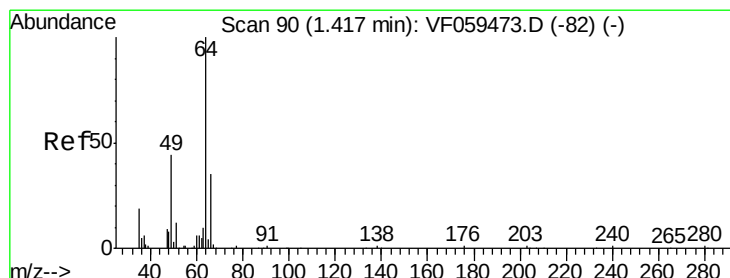
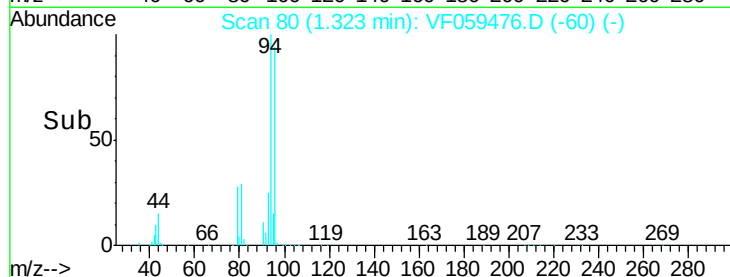
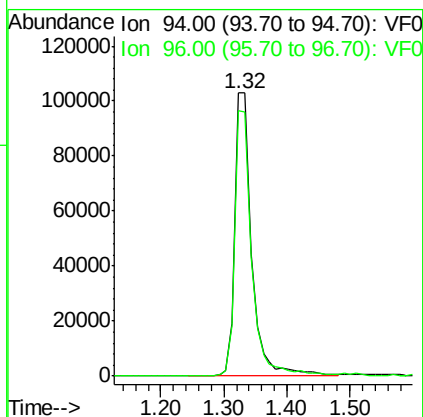
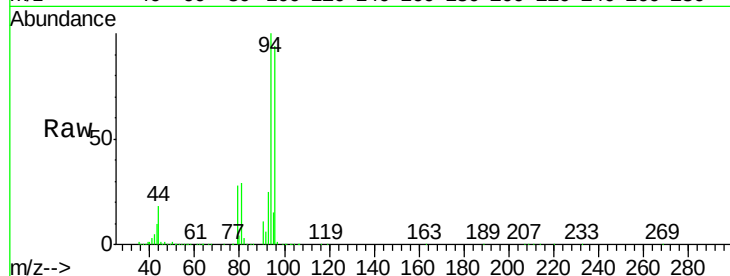
94 100

96 93.8 72.0 108.0

Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



#6

Chloroethane

Concen: 163.72 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059476.D

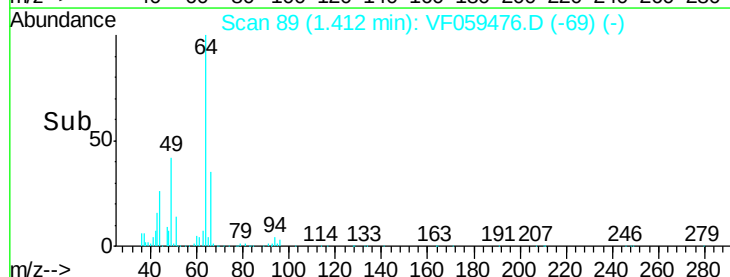
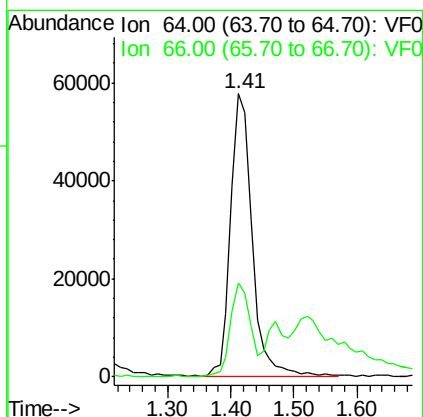
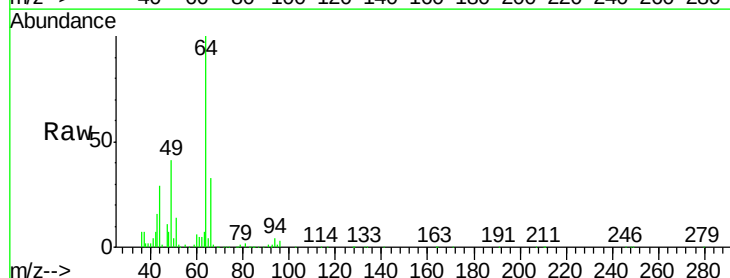
Acq: 7 Jul 2018 4:50

Tgt Ion: 64 Resp: 135536

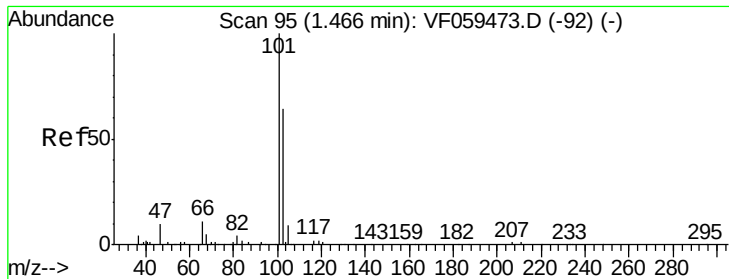
Ion Ratio Lower Upper

64 100

66 33.2 28.1 42.1







#7

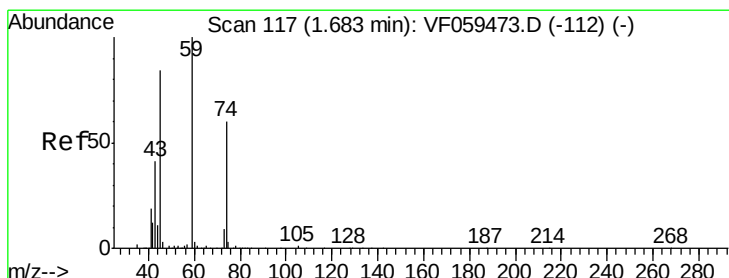
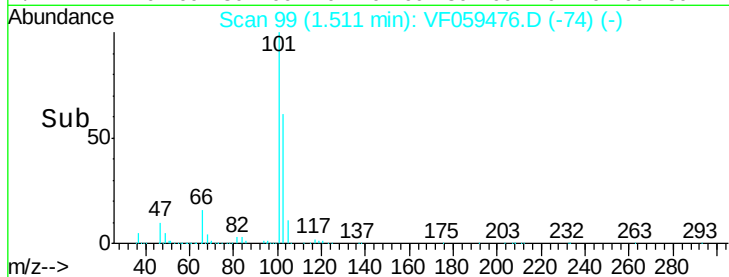
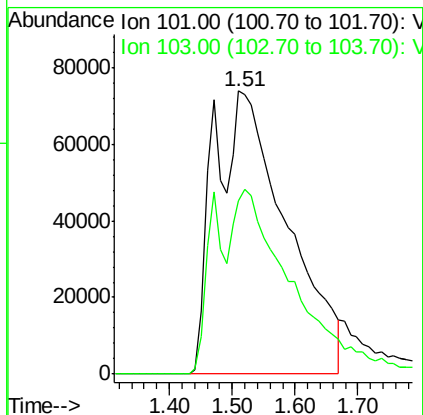
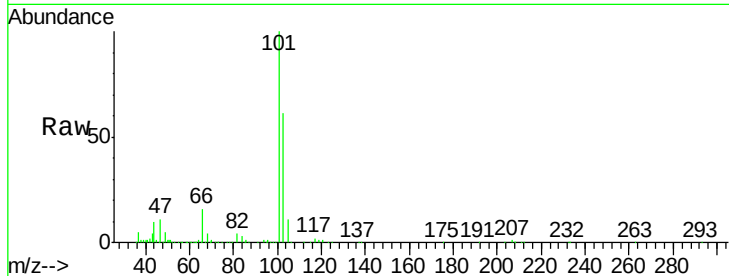
Trichlorofluoromethane  
Concen: 175.57 ug/l m  
RT: 1.51 min Scan# 99  
Delta R.T. 0.04 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.2  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

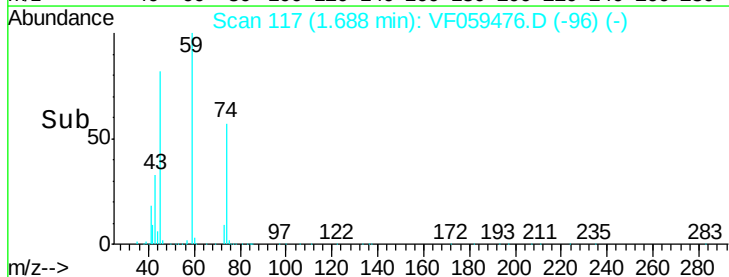
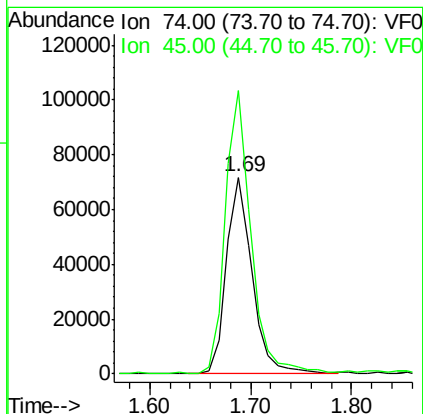
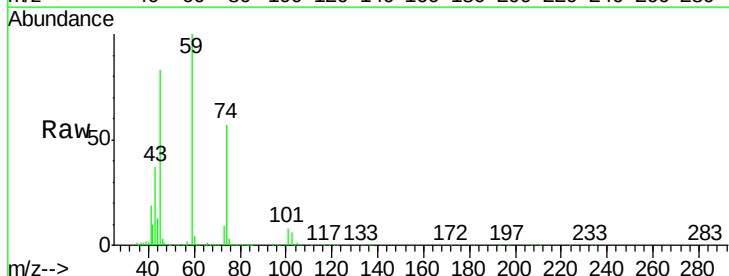
apatel  
7/9/2018 9:34:49 AM



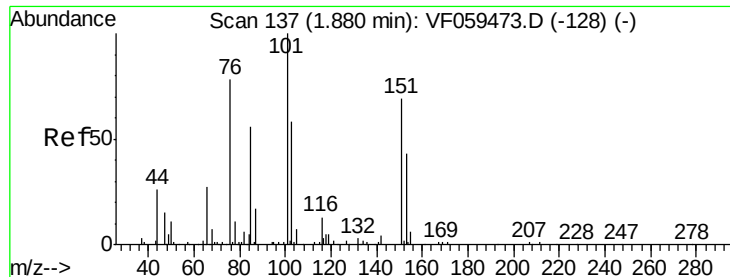
#8

Diethyl Ether  
Concen: 154.57 ug/l  
RT: 1.69 min Scan# 117  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 144.0 | 71.1  | 213.3 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.67 ug/l

RT: 1.89 min Scan# 137

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

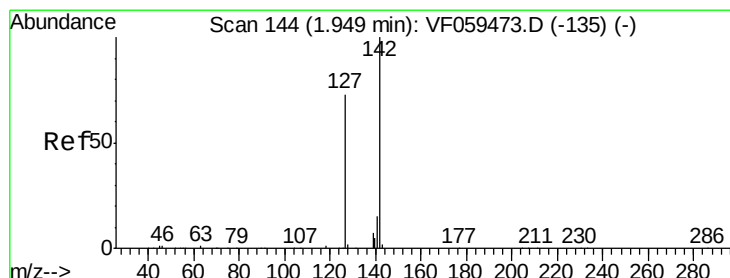
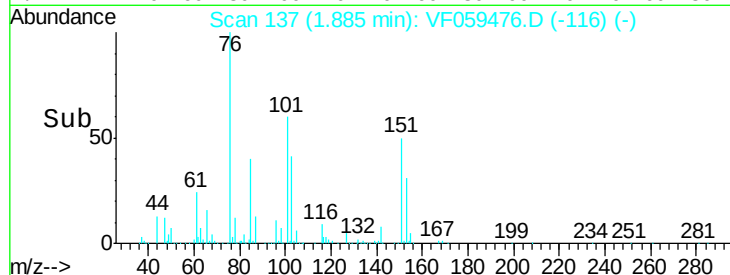
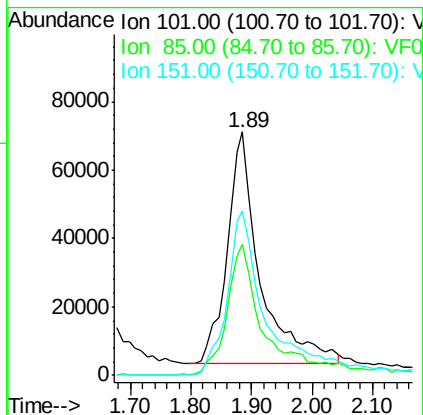
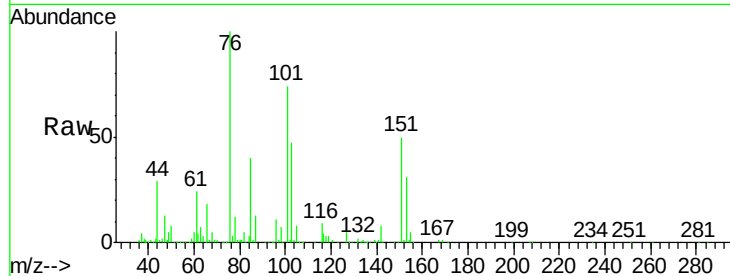
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 255895 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 53.9  | 43.8  | 65.8   |
| 151       | 67.7  | 54.2  | 81.4   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#10

Methyl Iodide

Concen: 166.13 ug/l

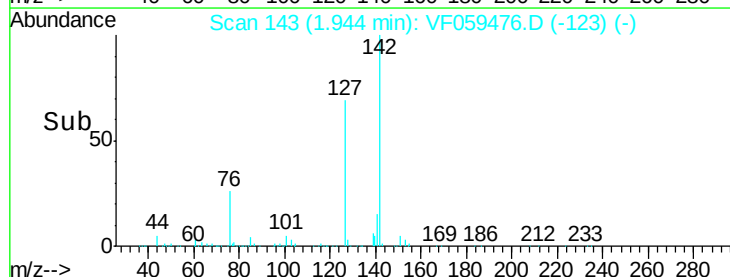
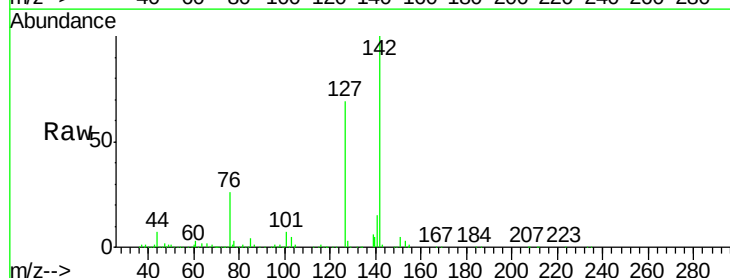
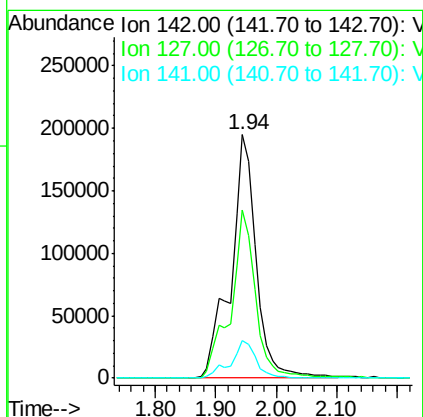
RT: 1.94 min Scan# 143

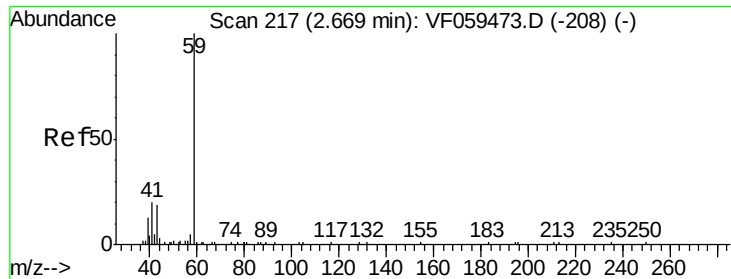
Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 575759 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 68.8  | 58.2  | 87.2   |
| 141       | 15.4  | 11.7  | 17.5   |





#11

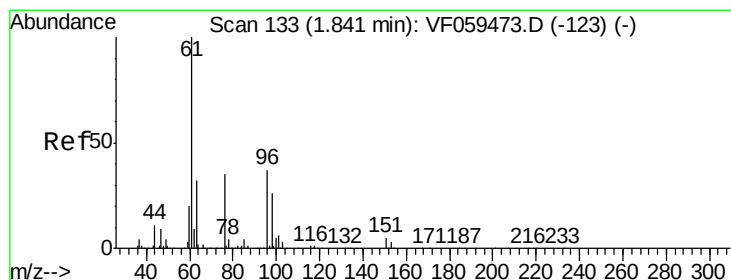
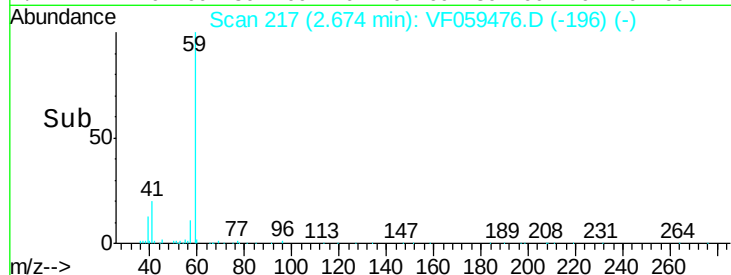
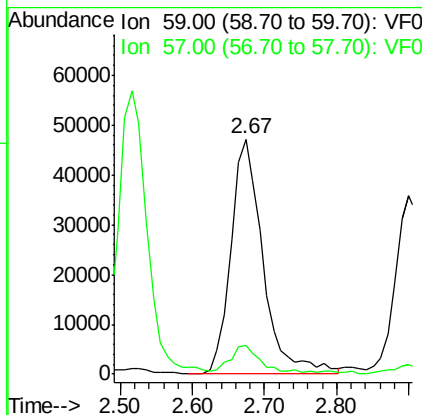
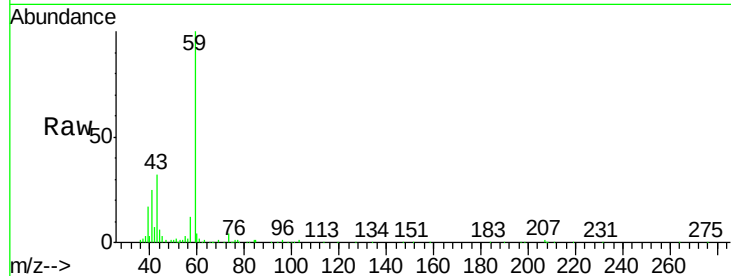
Tert butyl alcohol  
Concen: 646.83 ug/l  
RT: 2.67 min Scan# 217  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 12.4  | 7.8   | 11.8# |

Manual Integrations  
APPROVED

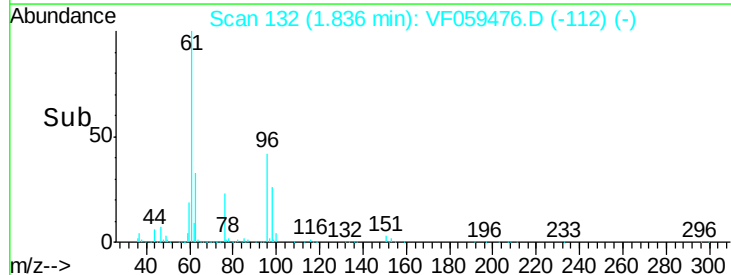
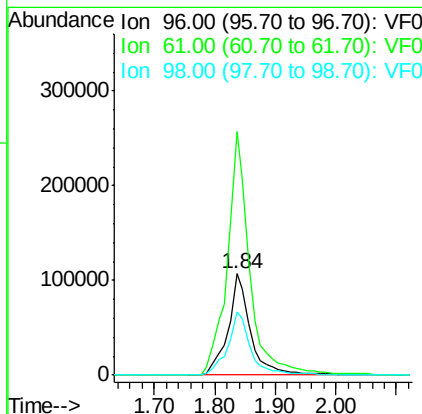
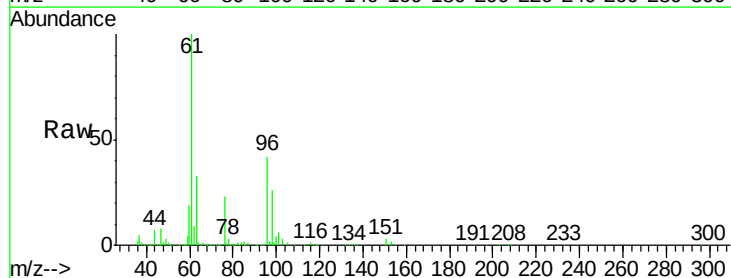
apatel  
7/9/2018 9:34:49 AM

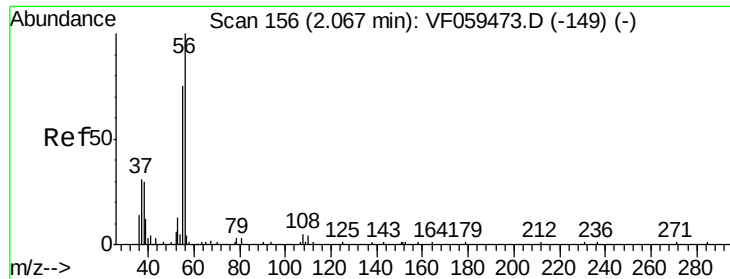


#12

1,1-Dichloroethene  
Concen: 169.29 ug/l  
RT: 1.84 min Scan# 132  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 240.1 | 214.4 | 321.6 |
| 98      | 62.8  | 55.6  | 83.4  |





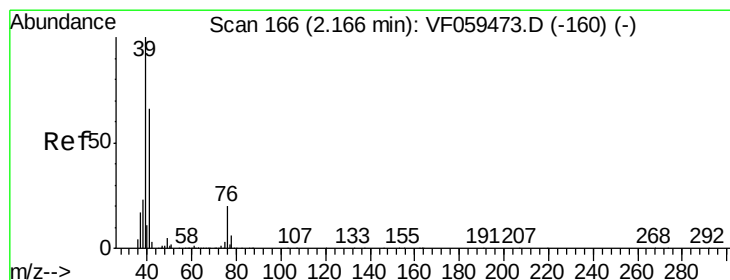
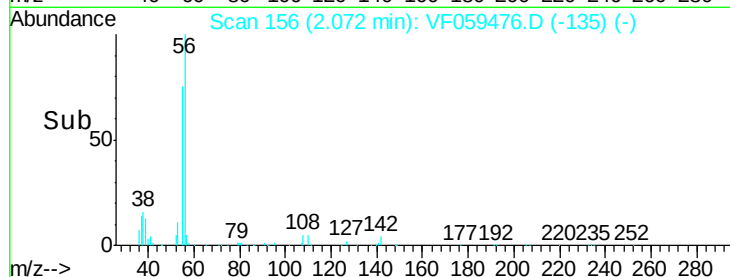
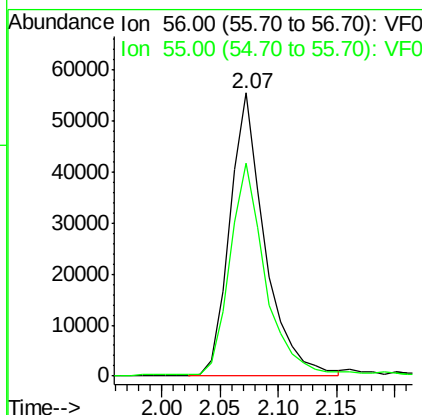
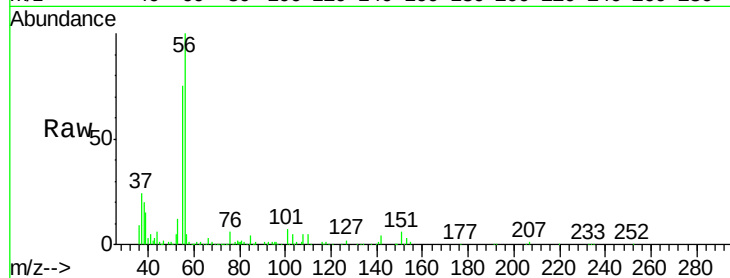
#13  
Acrolein  
Concen: 864.00 ug/l  
RT: 2.07 min Scan# 156  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 75.1  | 61.2  | 91.8  |

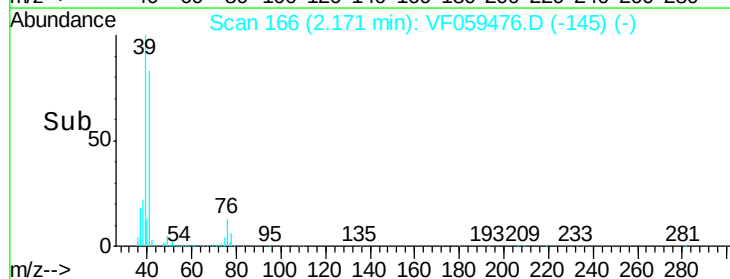
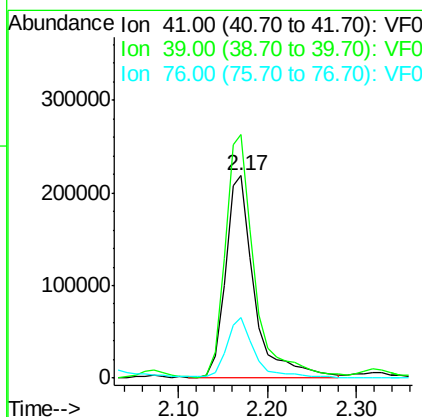
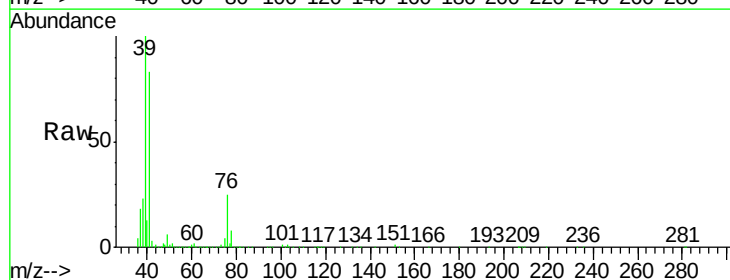
Manual Integrations  
APPROVED

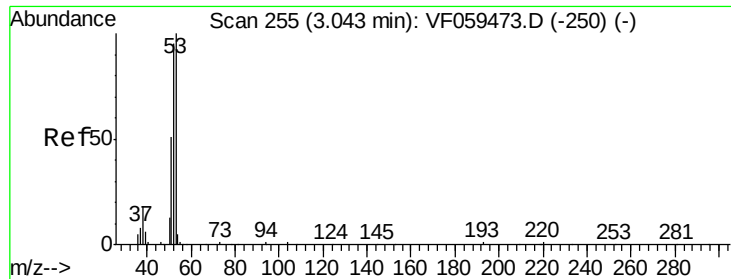
apatel  
7/9/2018 9:34:49 AM



#14  
Allyl chloride  
Concen: 165.67 ug/l  
RT: 2.17 min Scan# 166  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 120.4 | 120.7 | 181.1# |
| 76      | 30.2  | 24.0  | 36.0   |





#15

Acrylonitrile

Concen: 721.81 ug/l

RT: 3.05 min Scan# 255

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

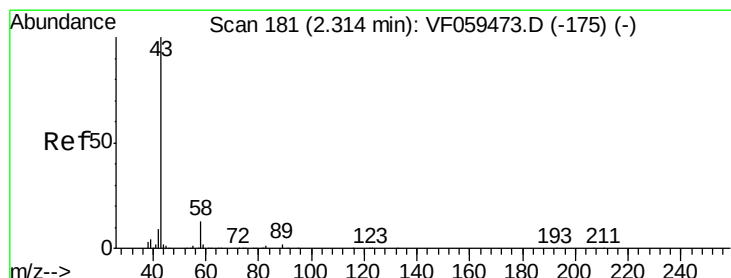
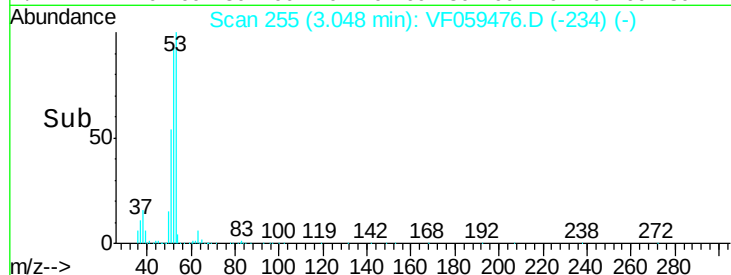
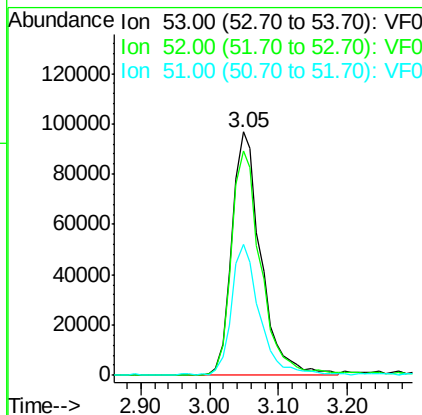
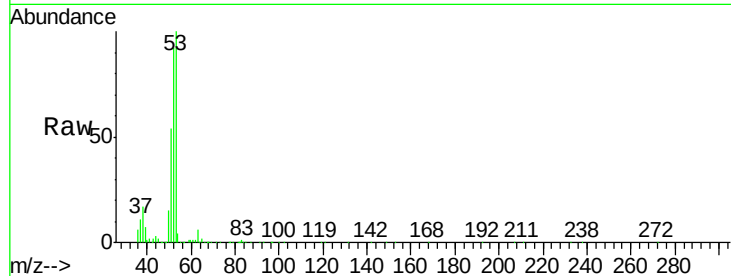
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 284404 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 92.4  | 76.8  | 115.2  |
| 51       | 53.6  | 41.8  | 62.8   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#16

Acetone

Concen: 492.13 ug/l

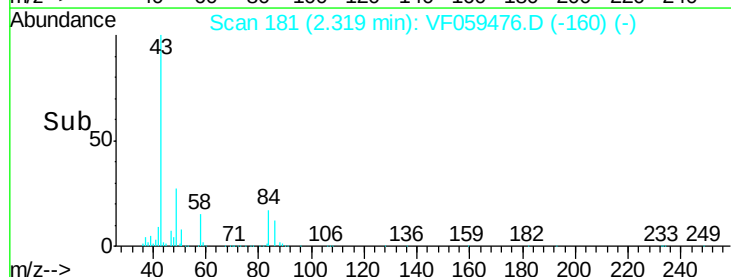
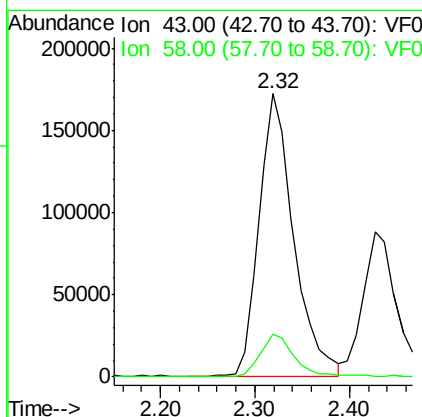
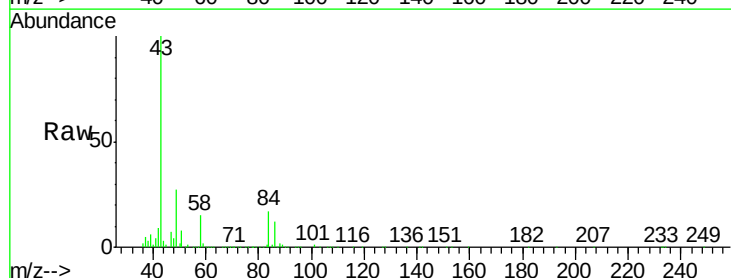
RT: 2.32 min Scan# 181

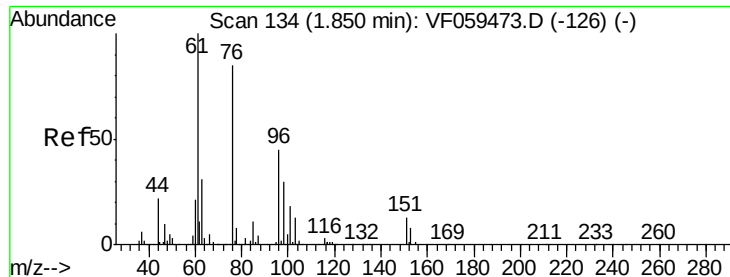
Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 439562 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 15.3  | 10.5  | 15.7   |





#17

Carbon Disulfide

Concen: 201.00 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Tot Ion: 76 Resp: 779051

Ion Ratio Lower Upper

76 100

78 10.8 8.0 12.0

Instrument :

MSVOA\_F

ClientSampleId :

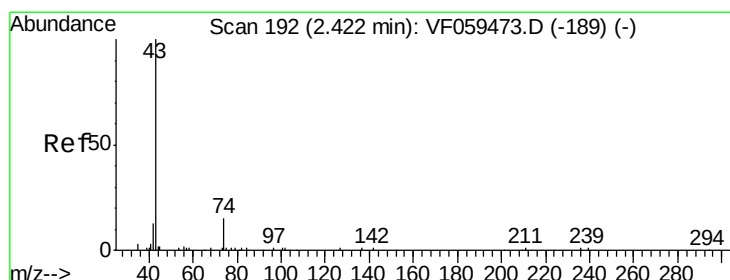
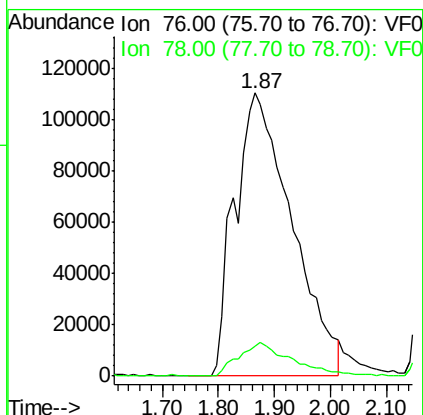
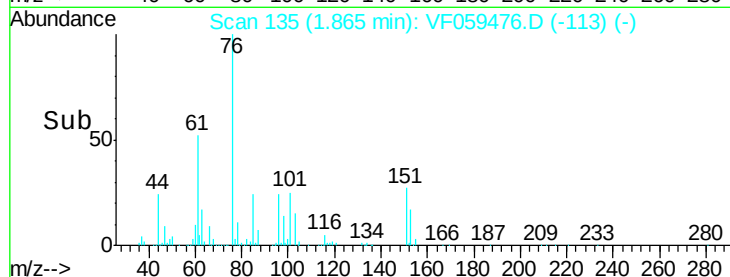
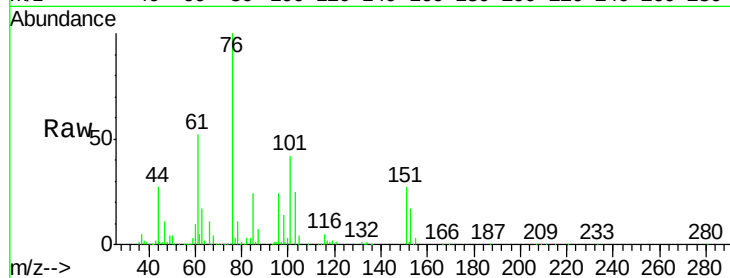
VSTDIC150

Manual Integrations

APPROVED

apatel

7/9/2018 9:34:49 AM



#18

Methyl Acetate

Concen: 124.10 ug/l m

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059476.D

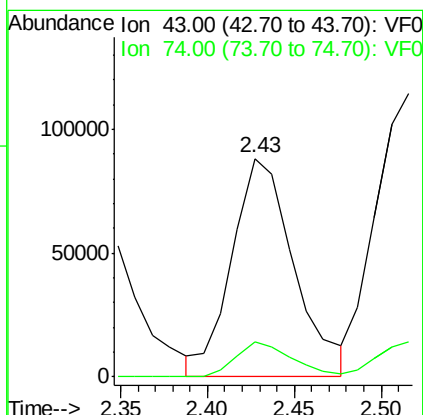
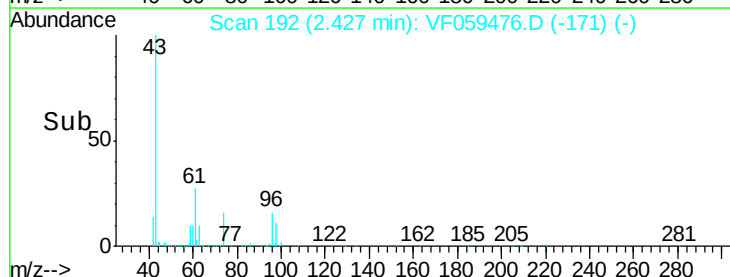
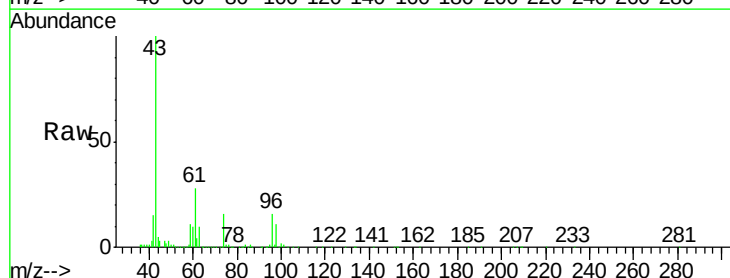
Acq: 7 Jul 2018 4:50

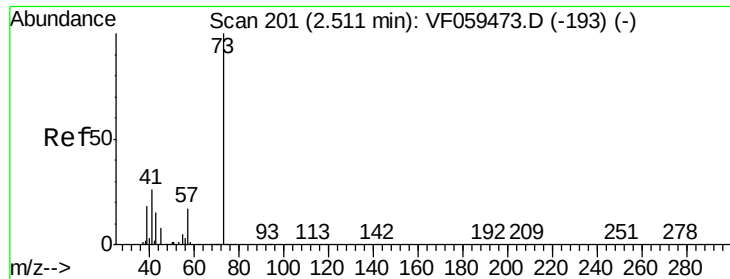
Tgt Ion: 43 Resp: 219316

Ion Ratio Lower Upper

43 100

74 16.3 10.8 16.2#





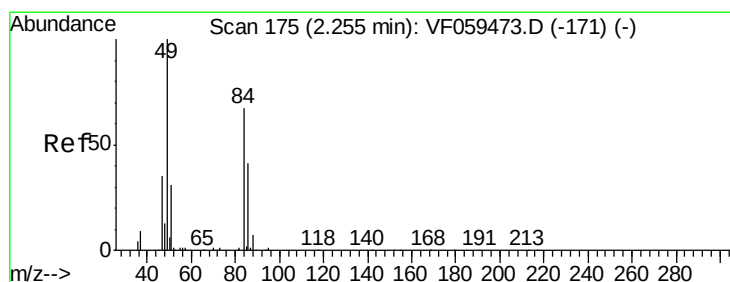
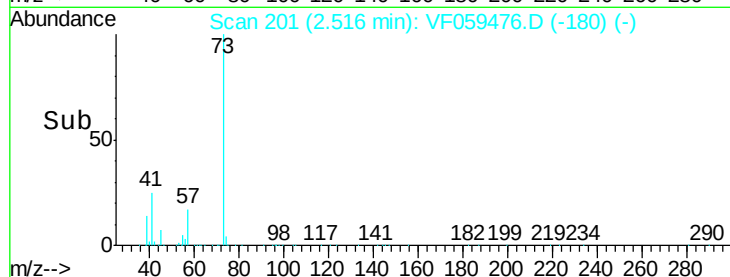
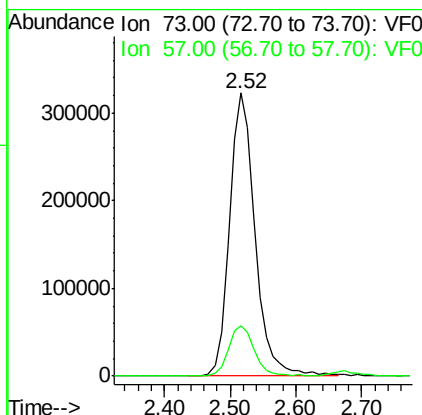
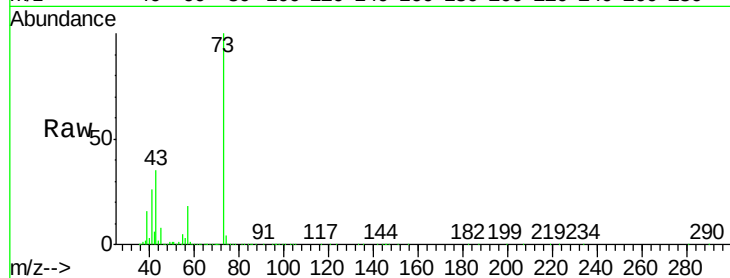
#19  
Methyl tert-butyl Ether  
Concen: 148.39 ug/l  
RT: 2.52 min Scan# 201  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 17.6  | 13.7  | 20.5  |

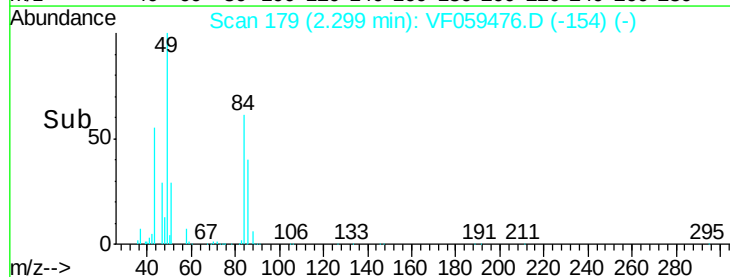
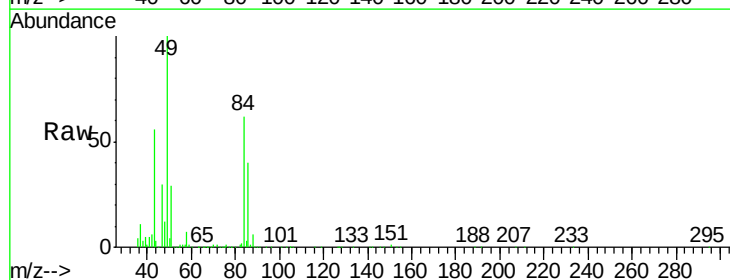
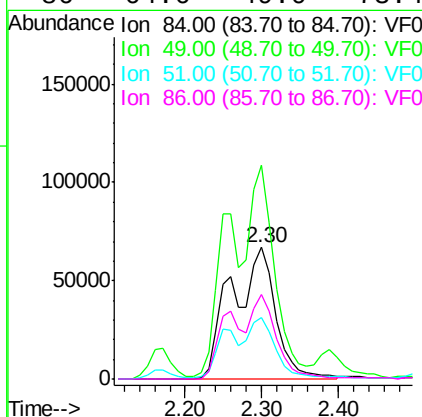
Manual Integrations  
APPROVED

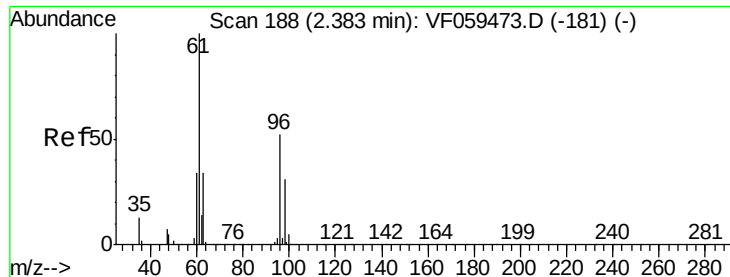
apatel  
7/9/2018 9:34:49 AM



#20  
Methylene Chloride  
Concen: 103.89 ug/l m  
RT: 2.30 min Scan# 179  
Delta R.T. 0.04 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 162.4 | 120.4 | 180.6 |
| 51      | 46.5  | 38.1  | 57.1  |
| 86      | 64.6  | 49.0  | 73.4  |





#21

trans-1,2-Dichloroethene

Concen: 170.05 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

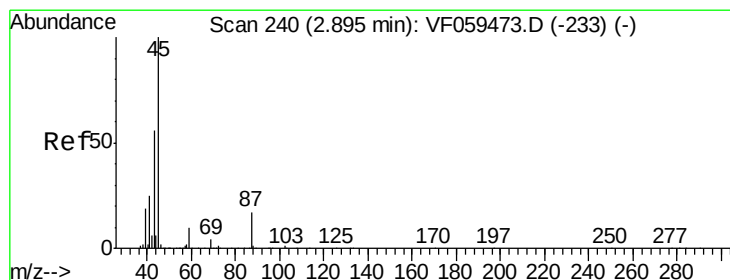
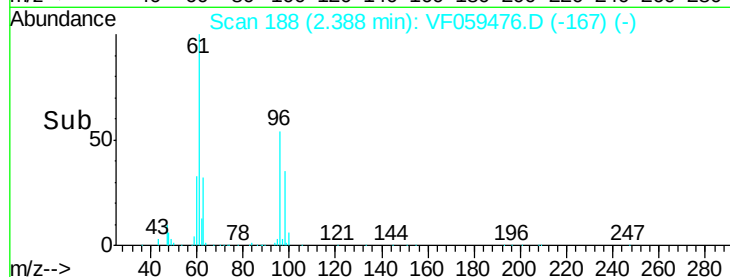
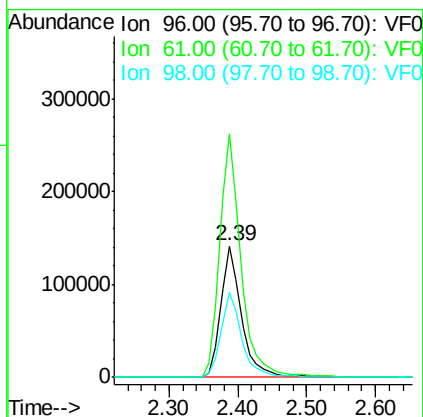
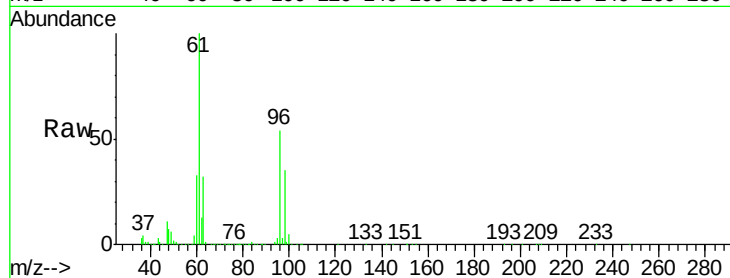
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 293535 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 185.4 | 154.3 | 231.5  |
| 98       | 64.3  | 48.2  | 72.4   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#22

Diisopropyl ether

Concen: 165.90 ug/l

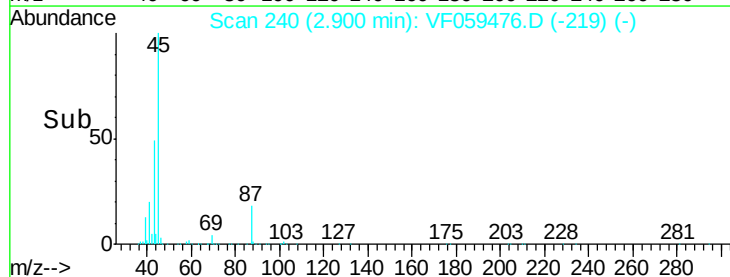
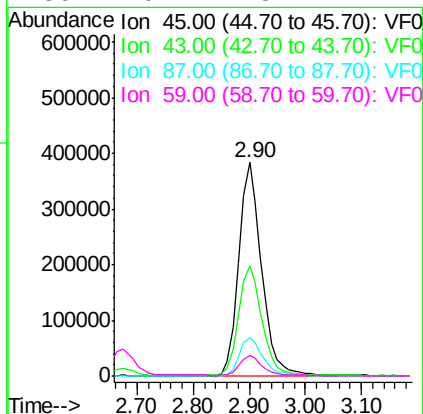
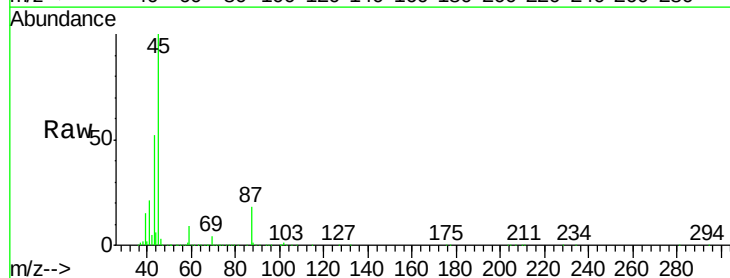
RT: 2.90 min Scan# 240

Delta R.T. 0.01 min

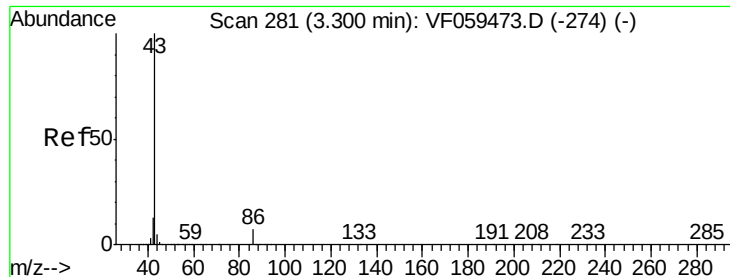
Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1077615 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 51.7  | 45.4  | 68.2    |
| 87       | 18.1  | 13.5  | 20.3    |
| 59       | 9.4   | 8.2   | 12.4    |







#23

Vinyl Acetate

Concen: 706.42 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2898528

Ion Ratio Lower Upper

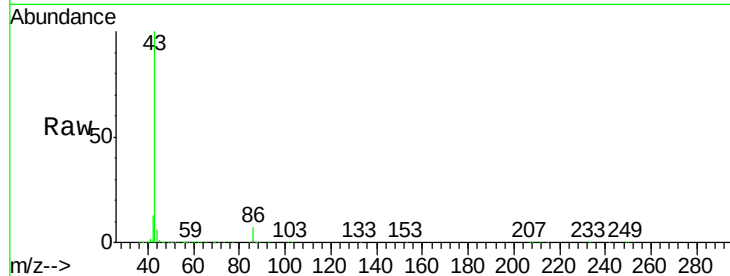
43 100

86 7.1 5.3 7.9

Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

1200000

1000000

800000

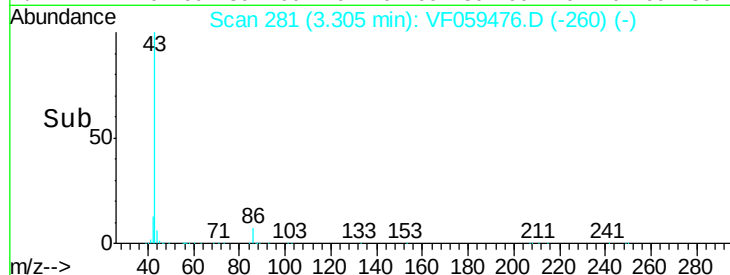
600000

400000

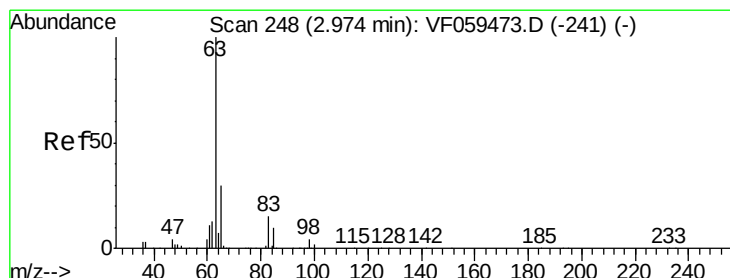
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 161.12 ug/l

RT: 2.97 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

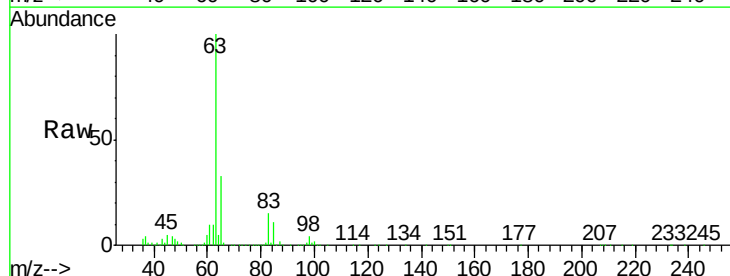
Tgt Ion: 63 Resp: 662770

Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.5

100 2.1 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

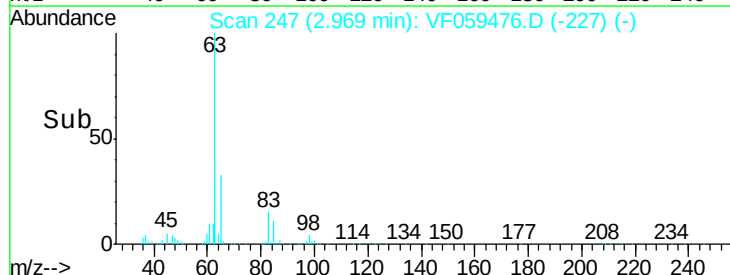
300000

200000

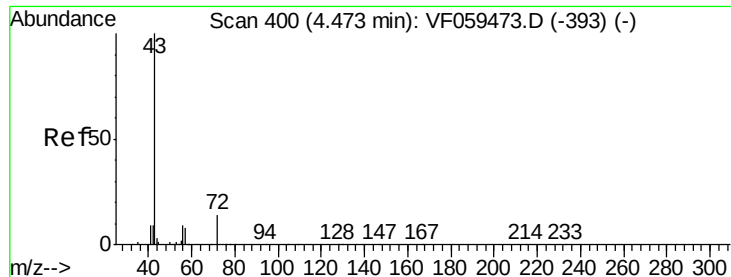
100000

0

Time-->



Time-->



#25

2-Butanone

Concen: 621.32 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 668737

Ion Ratio Lower Upper

43 100

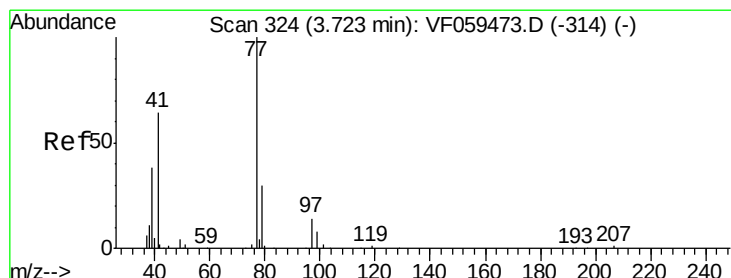
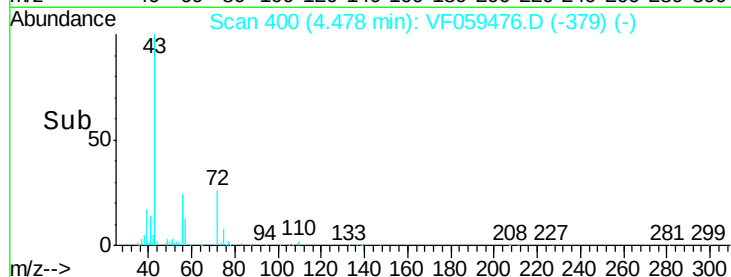
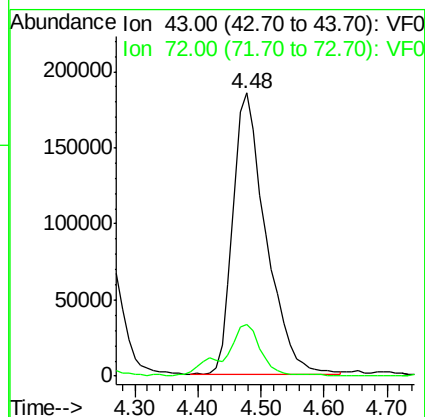
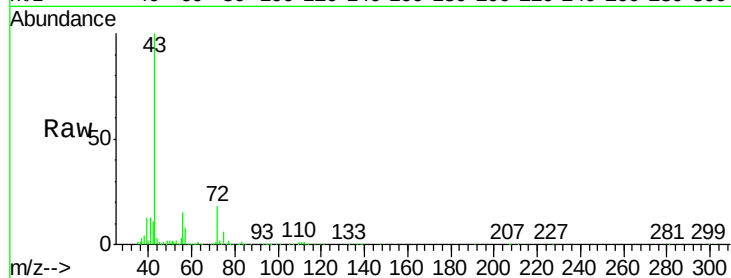
72 18.4 13.8 20.8

Manual Integrations

APPROVED

apatel

7/9/2018 9:34:49 AM



#26

2,2-Dichloropropane

Concen: 127.96 ug/l

RT: 3.73 min Scan# 324

Delta R.T. 0.01 min

Lab File: VF059476.D

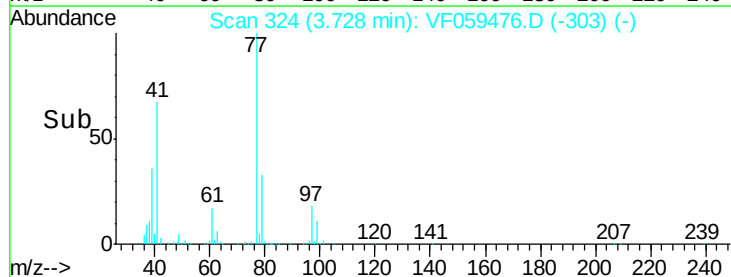
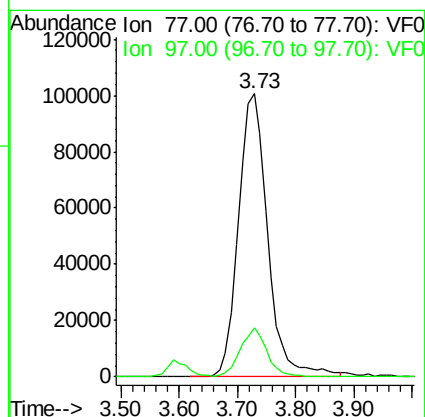
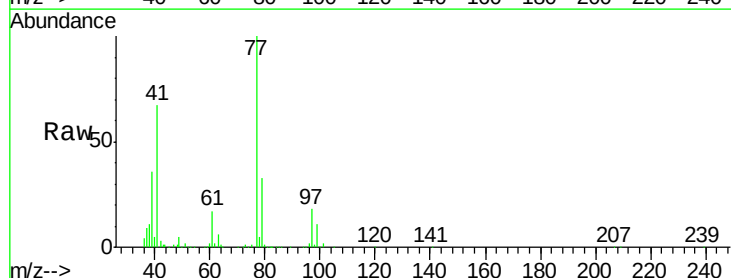
Acq: 7 Jul 2018 4:50

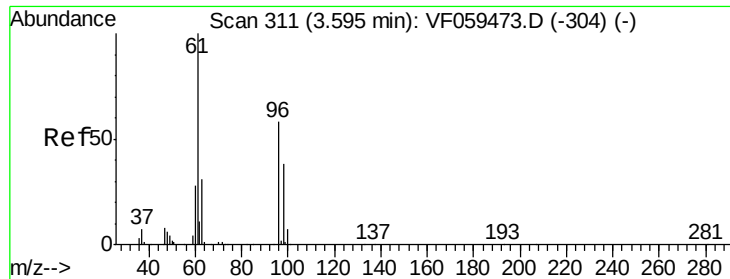
Tgt Ion: 77 Resp: 352489

Ion Ratio Lower Upper

77 100

97 17.6 7.7 23.1





#27

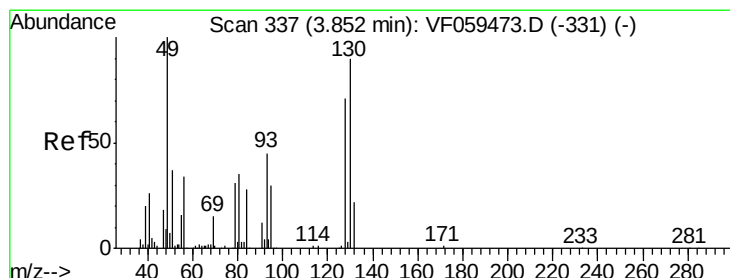
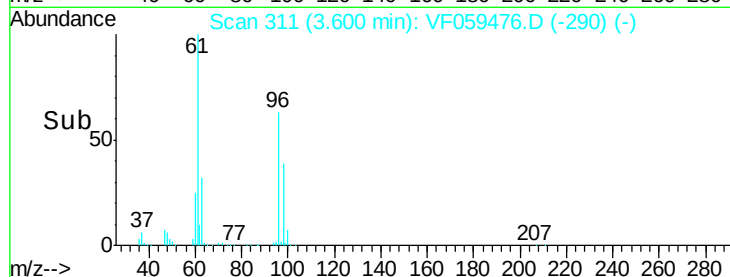
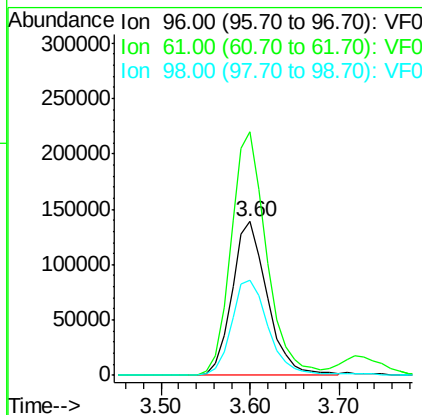
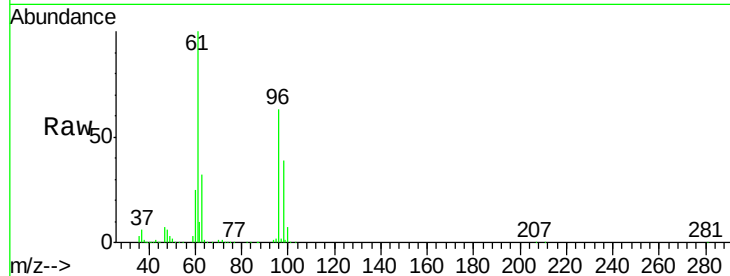
cis-1,2-Dichloroethene  
Concen: 151.50 ug/l  
RT: 3.60 min Scan# 311  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 383422 |       |       |
| 61      | 158.2 | 0.0    | 342.0 |       |
| 98      | 61.6  | 0.0    | 130.0 |       |

Manual Integrations  
APPROVED

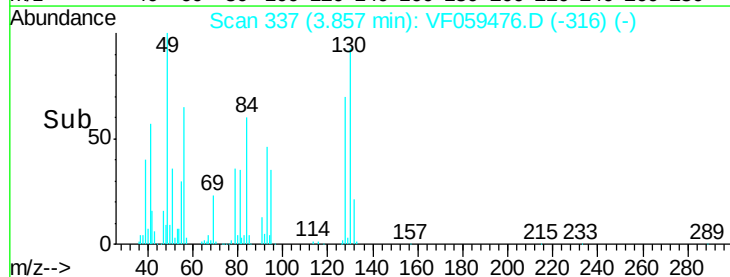
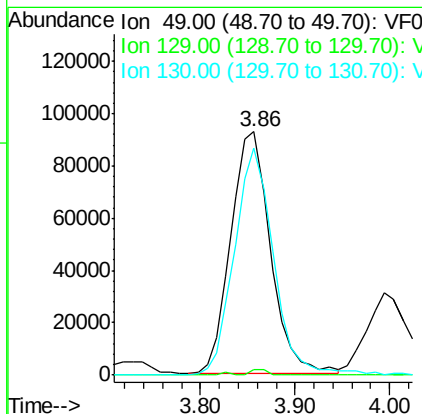
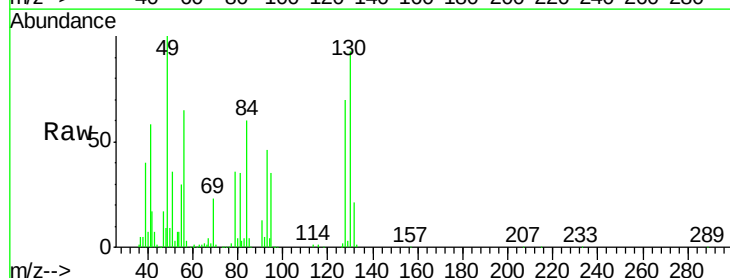
apatel  
7/9/2018 9:34:49 AM

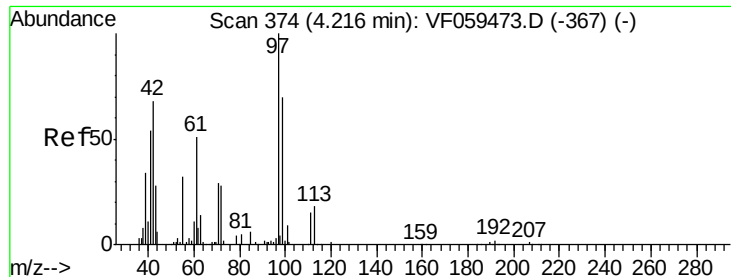


#28

Bromochloromethane  
Concen: 151.05 ug/l  
RT: 3.86 min Scan# 337  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 269303 |       |       |
| 129     | 2.5   | 0.0    | 6.2   |       |
| 130     | 93.0  | 71.4   | 107.0 |       |





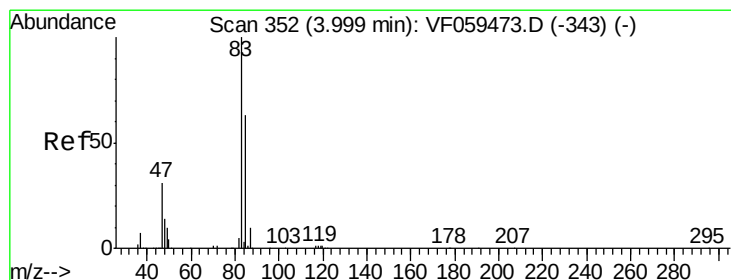
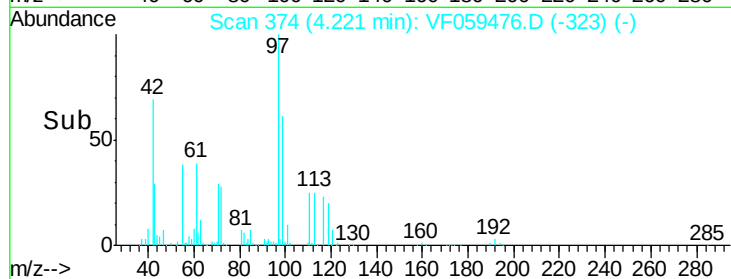
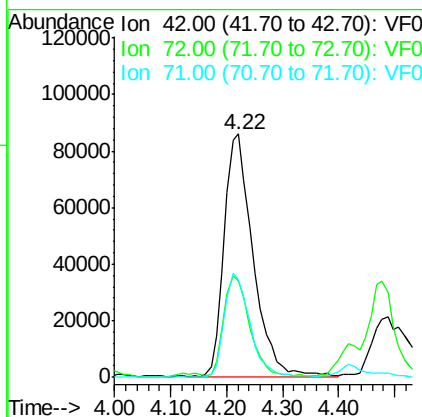
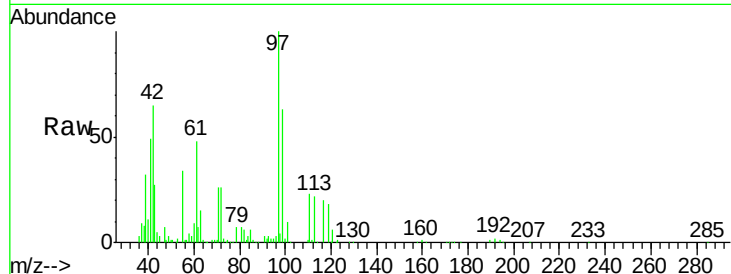
#29  
Tetrahydrofuran  
Concen: 645.46 ug/l  
RT: 4.22 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 42      | 100   |      |       |       |
| 72      | 37.5  | 29.2 | 43.8  |       |
| 71      | 38.4  | 30.1 | 45.1  |       |

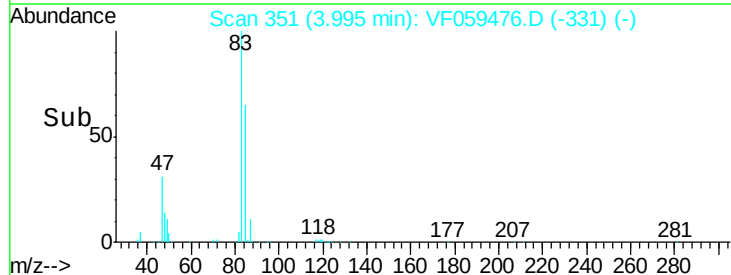
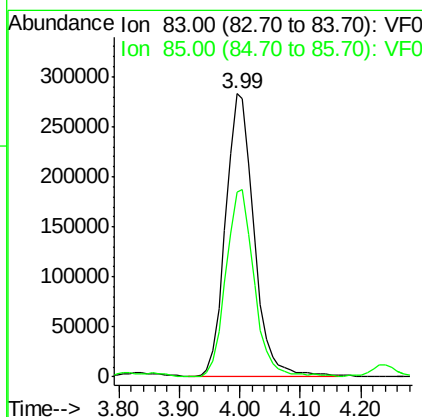
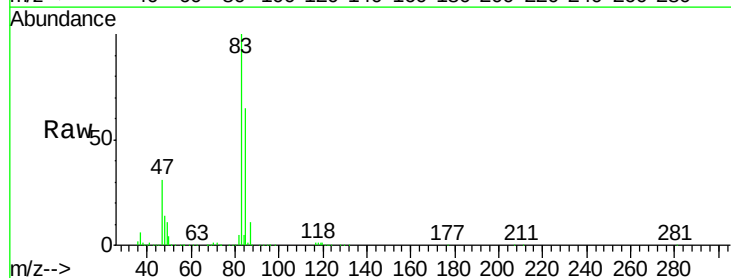
Manual Integrations  
APPROVED

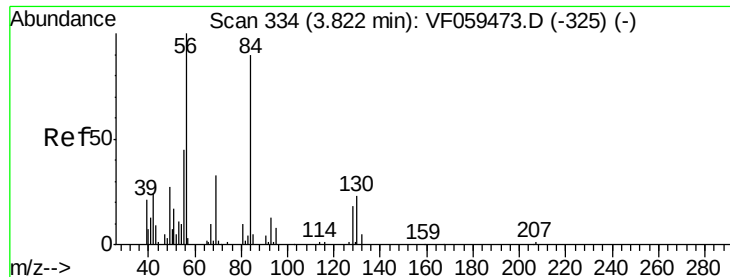
apatel  
7/9/2018 9:34:49 AM



#30  
Chloroform  
Concen: 154.48 ug/l  
RT: 3.99 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 85      | 65.3  | 50.3 | 75.5  |       |





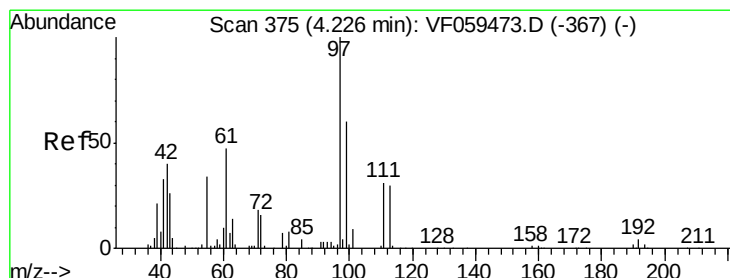
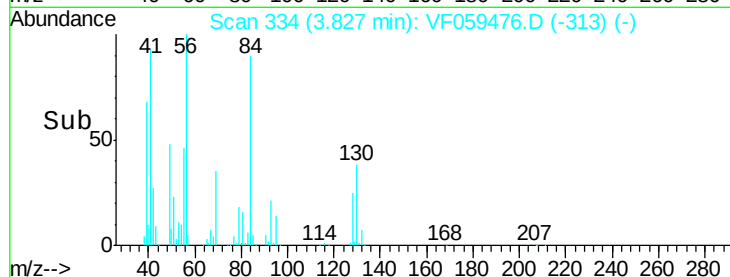
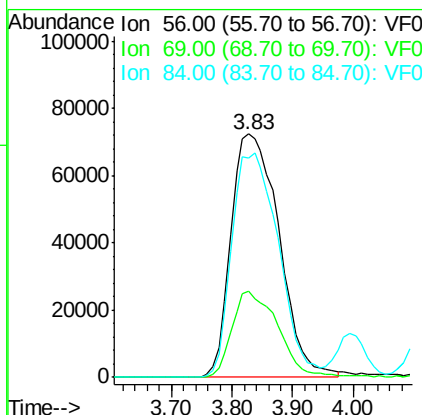
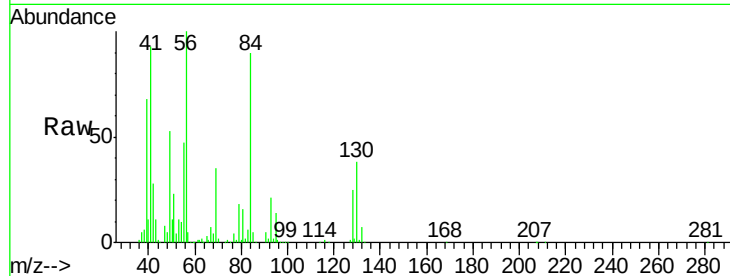
#31  
Cyclohexane  
Concen: 150.17 ug/l  
RT: 3.83 min Scan# 334  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.2  | 26.2  | 39.2  |
| 84      | 89.8  | 72.3  | 108.5 |

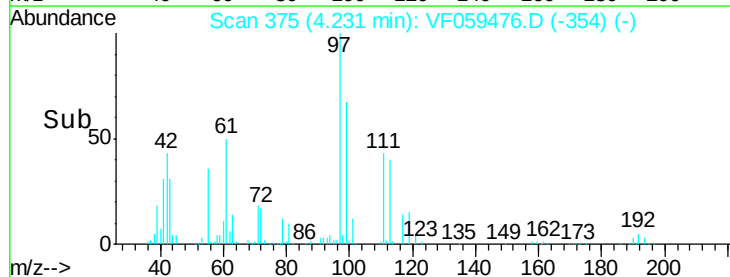
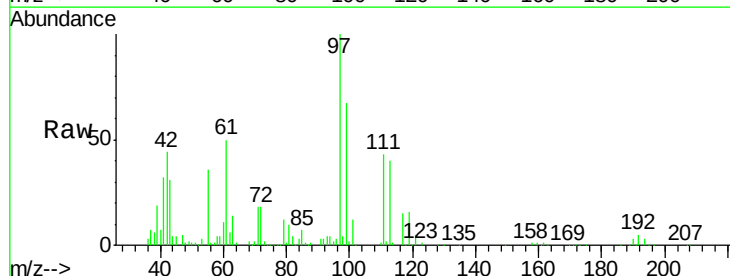
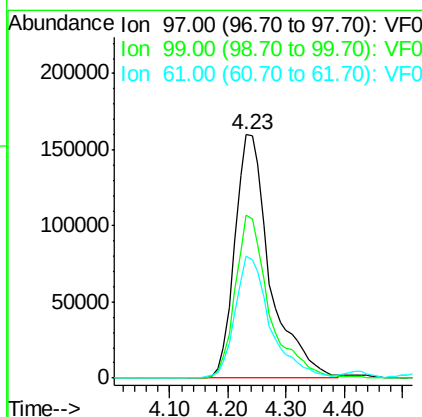
Manual Integrations  
APPROVED

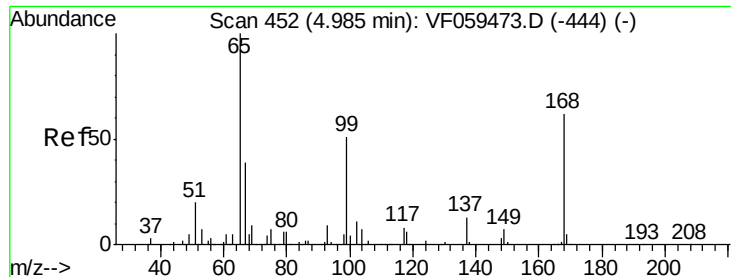
apatel  
7/9/2018 9:34:49 AM



#32  
1,1,1-Trichloroethane  
Concen: 153.44 ug/l  
RT: 4.23 min Scan# 375  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.1  | 47.8  | 71.6  |
| 61      | 50.3  | 37.9  | 56.9  |





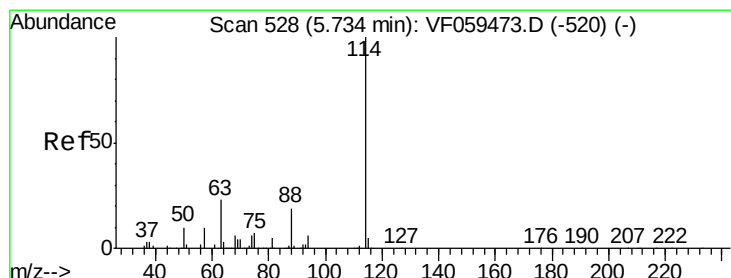
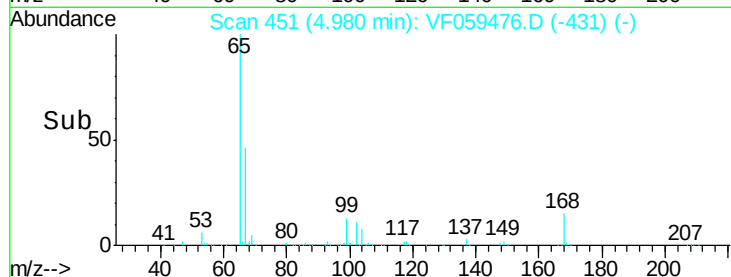
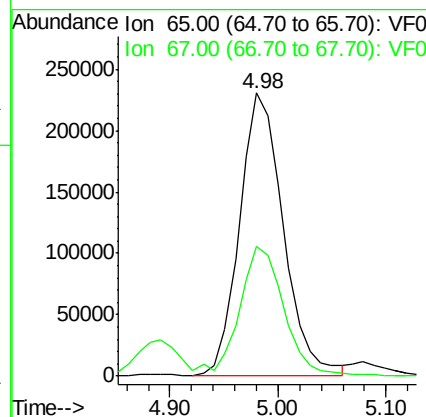
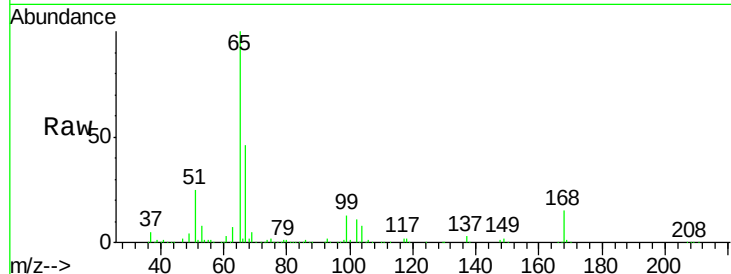
#33  
 1,2-Dichloroethane-d4  
 Concen: 178.66 ug/l  
 RT: 4.98 min Scan# 451  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 648776 |       |       |
| 67      | 45.9  | 0.0    | 88.6  |       |

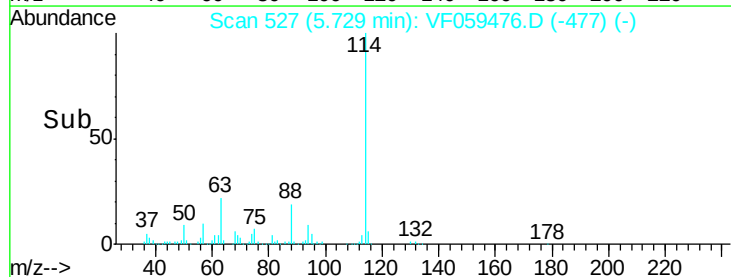
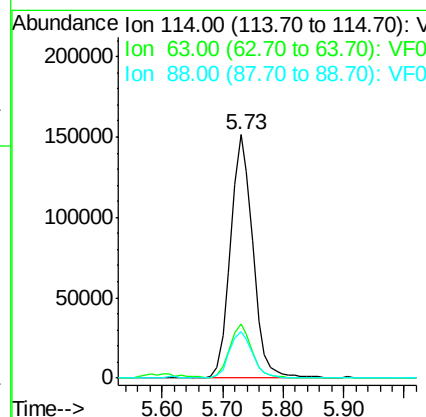
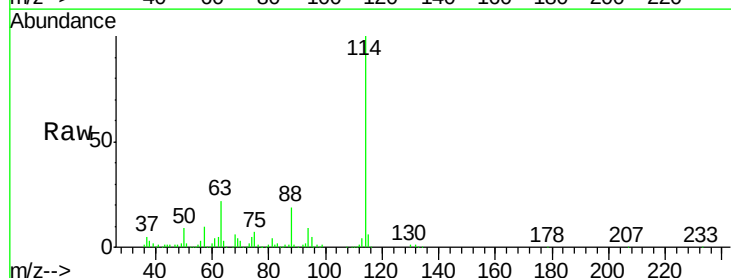
Manual Integrations  
 APPROVED

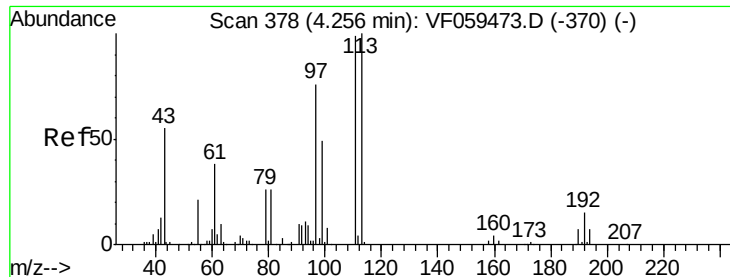
apatel  
 7/9/2018 9:34:49 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.73 min Scan# 527  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 389791 |       |       |
| 63      | 22.5  | 0.0    | 47.2  |       |
| 88      | 19.2  | 0.0    | 38.0  |       |





#35

Dibromofluoromethane

Concen: 170.49 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

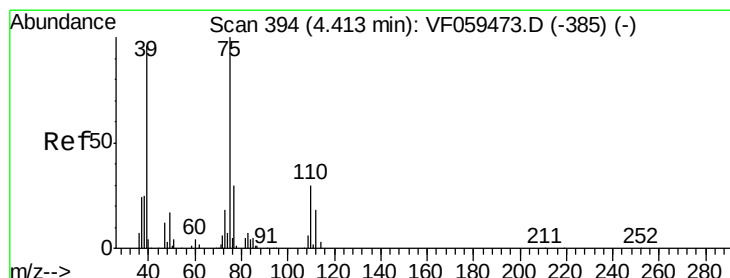
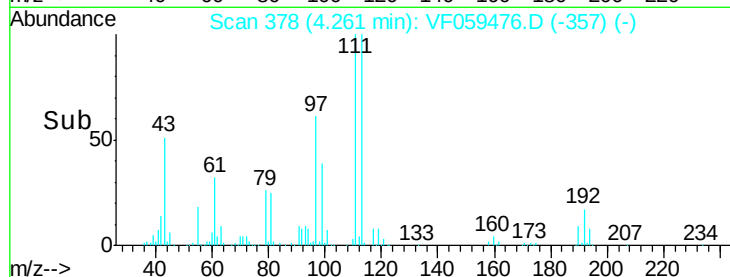
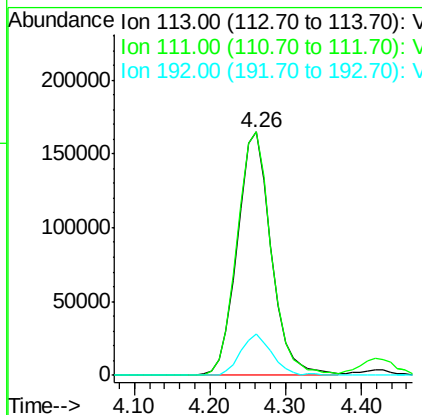
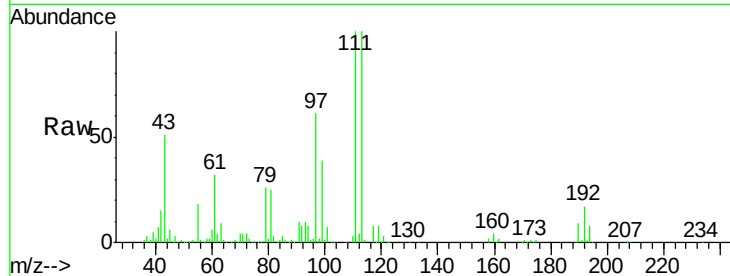
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 512429 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 99.8  | 79.3  | 118.9  |
| 192       | 16.7  | 12.0  | 18.0   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#36

1,1-Dichloropropene

Concen: 169.88 ug/l

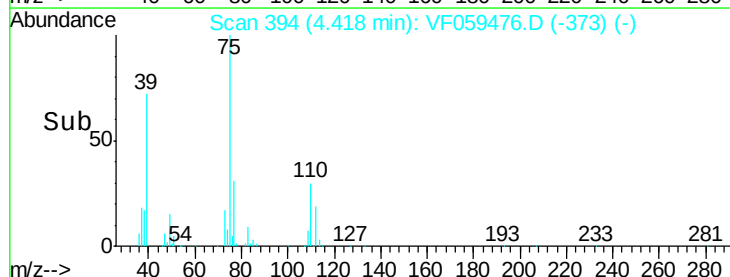
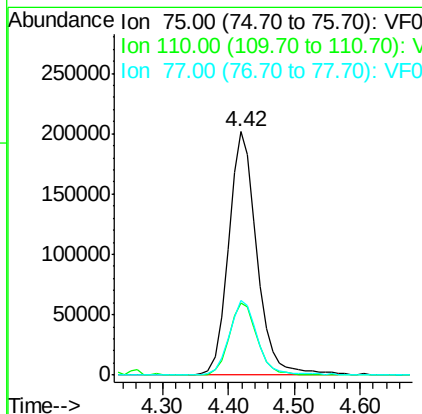
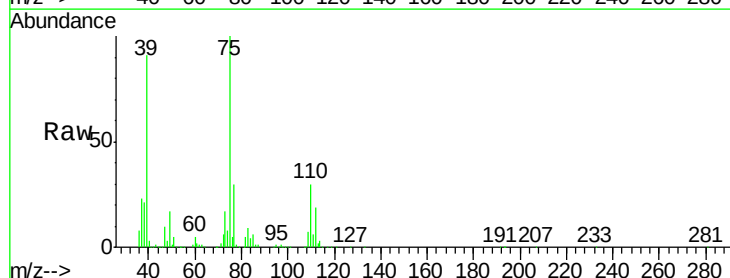
RT: 4.42 min Scan# 394

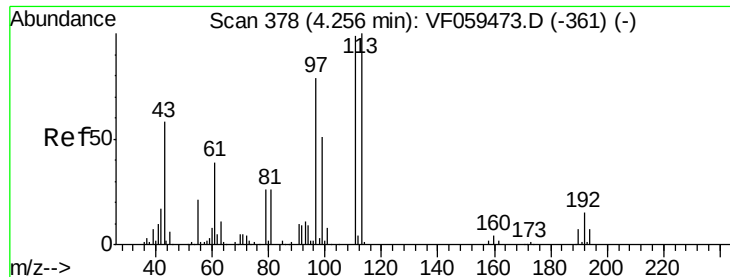
Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 604438 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 29.6  | 15.2  | 45.5   |
| 77        | 30.4  | 24.2  | 36.2   |





#37

Ethyl Acetate

Concen: 136.15 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

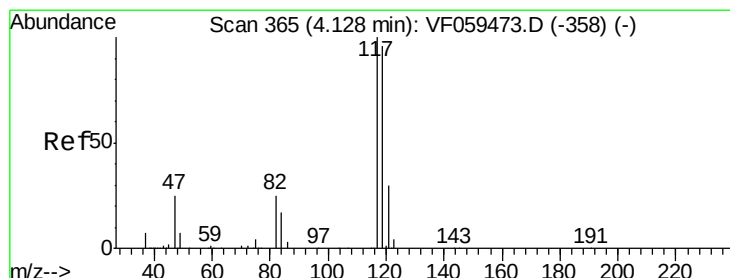
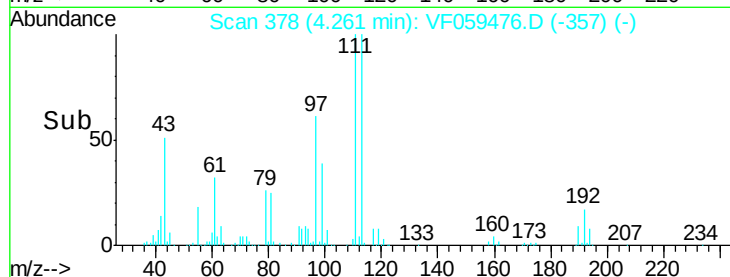
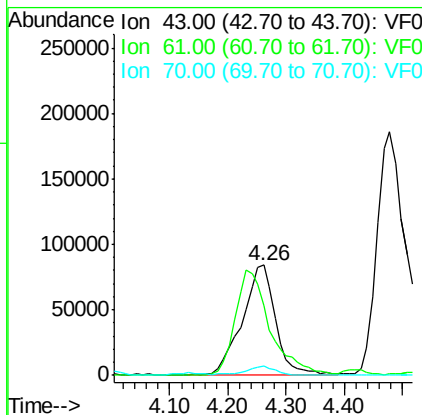
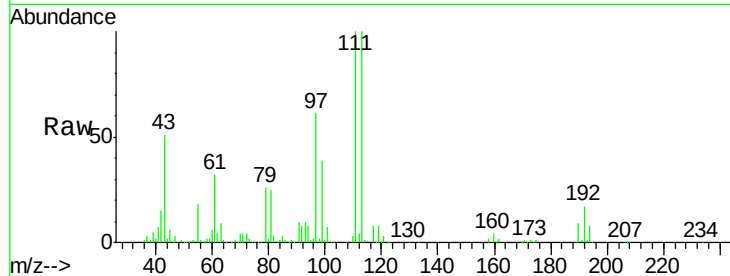
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 327884 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 63.3  | 54.2  | 81.4   |
| 70       | 8.4   | 7.0   | 10.6   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#38

Carbon Tetrachloride

Concen: 167.88 ug/l m

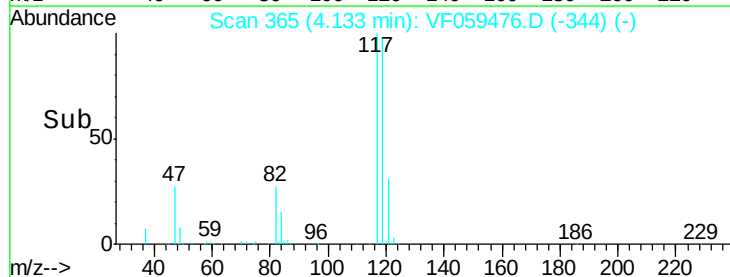
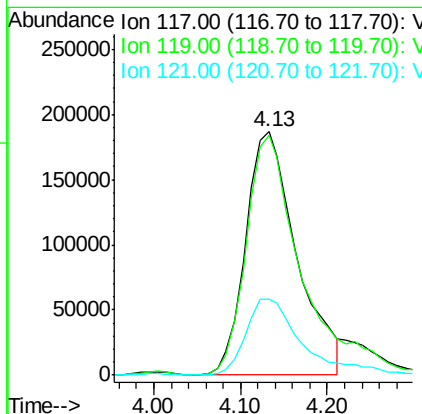
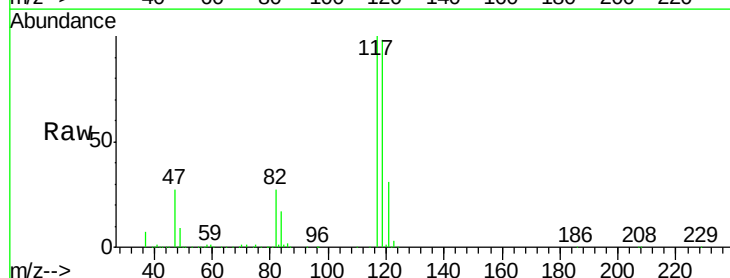
RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

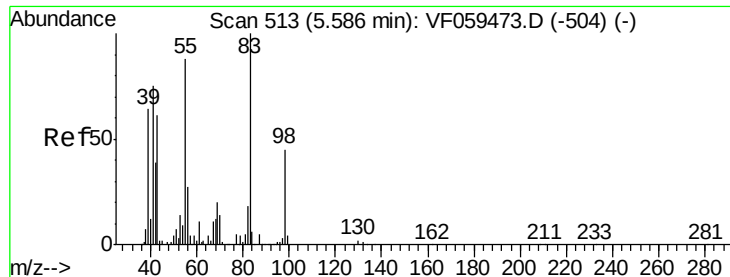
Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 768795 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.3  | 76.5  | 114.7  |
| 121      | 31.0  | 23.6  | 35.4   |







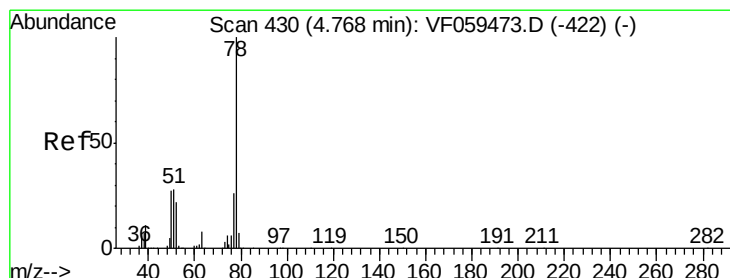
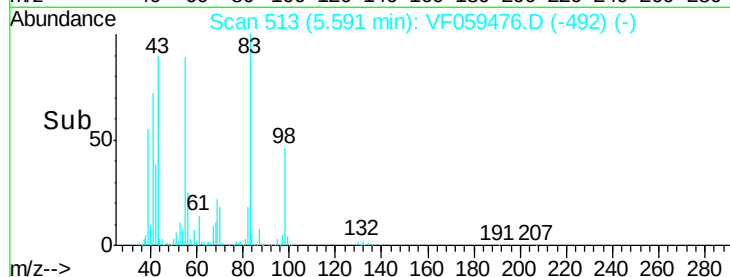
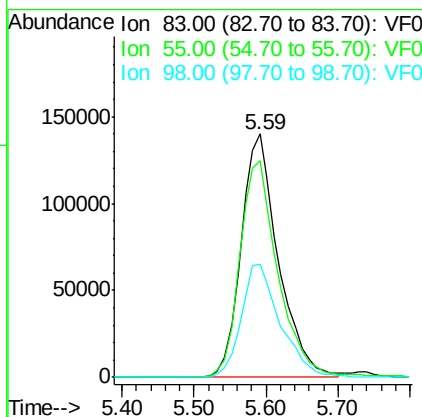
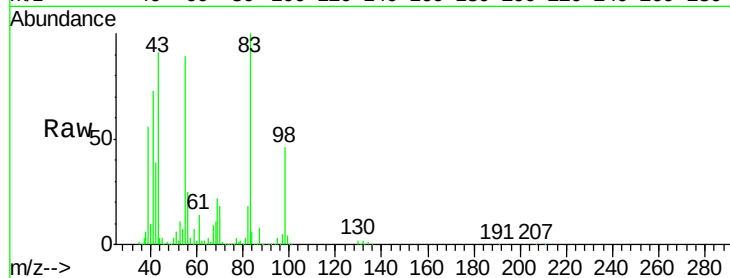
#39  
Methylvlcyclohexane  
Concen: 158.36 ug/l  
RT: 5.59 min Scan# 513  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 89.1  | 70.6  | 105.8 |
| 98      | 46.4  | 36.3  | 54.5  |

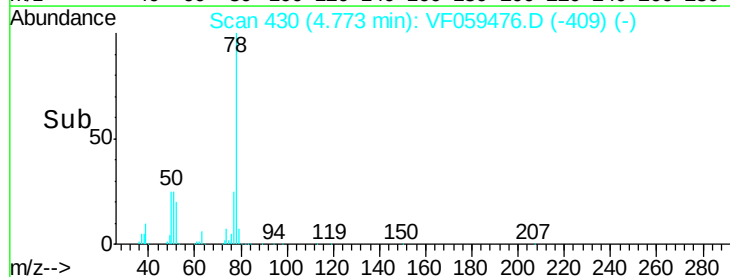
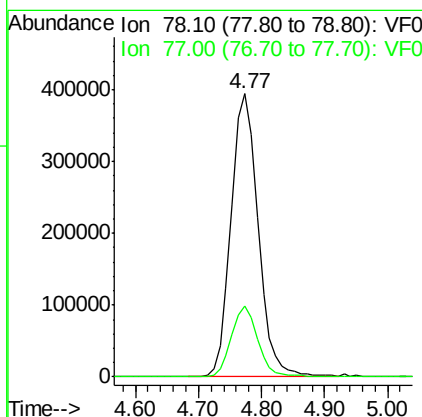
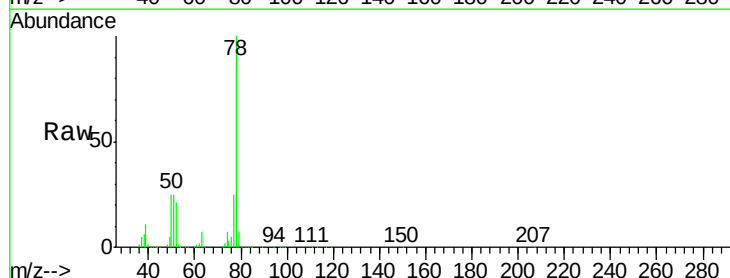
Manual Integrations  
APPROVED

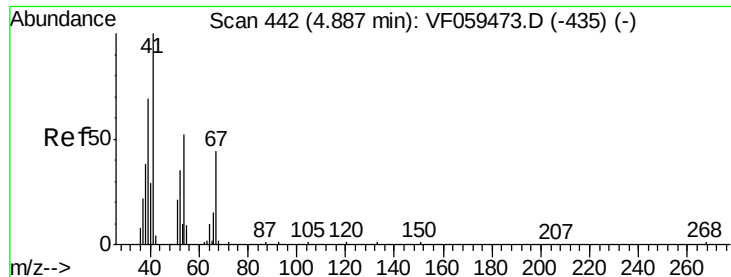
apatel  
7/9/2018 9:34:49 AM



#40  
Benzene  
Concen: 153.48 ug/l  
RT: 4.77 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.8  | 20.8  | 31.2  |





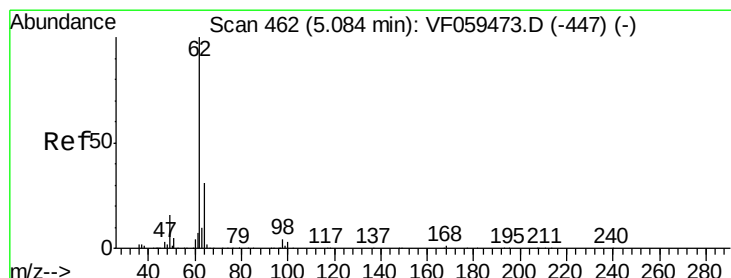
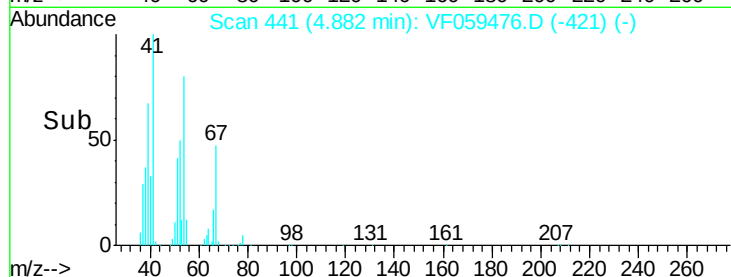
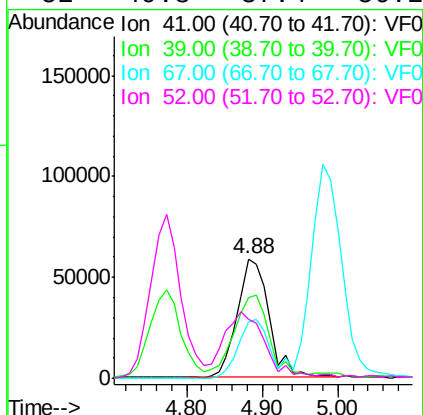
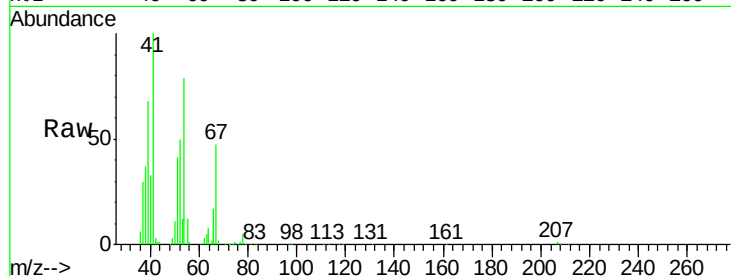
#41  
Methacrylonitrile  
Concen: 147.10 ug/l  
RT: 4.88 min Scan# 441  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 67.6 | 61.7  | 92.5  |       |
| 67      | 46.7 | 35.4  | 53.2  |       |
| 52      | 49.8 | 37.4  | 56.2  |       |

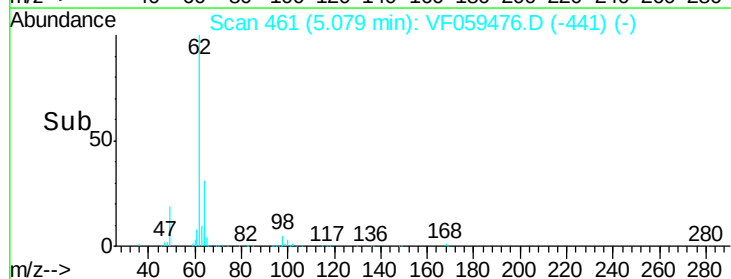
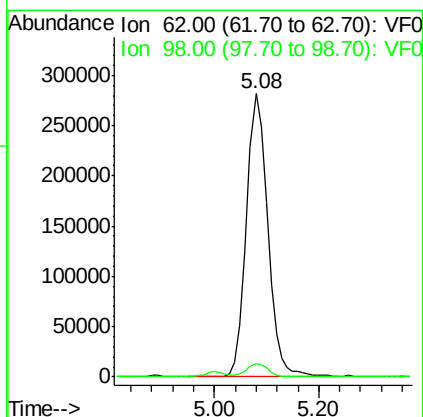
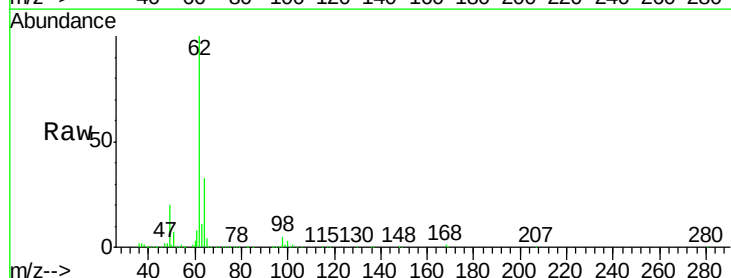
Manual Integrations  
APPROVED

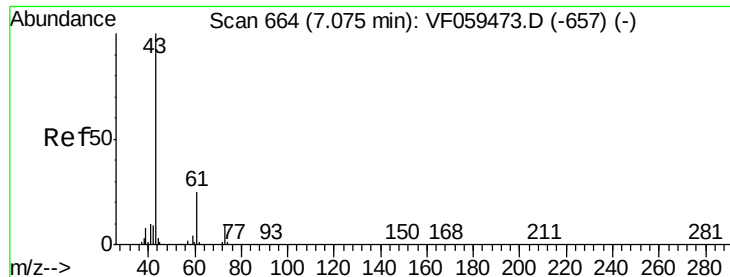
apatel  
7/9/2018 9:34:49 AM



#42  
1,2-Dichloroethane  
Concen: 167.56 ug/l  
RT: 5.08 min Scan# 461  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 4.8 | 0.0   | 7.6   |       |





#43

Isopropyl Acetate

Concen: 154.42 ug/l

RT: 7.08 min Scan# 664

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

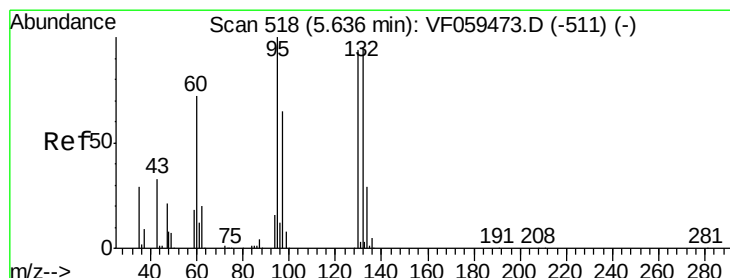
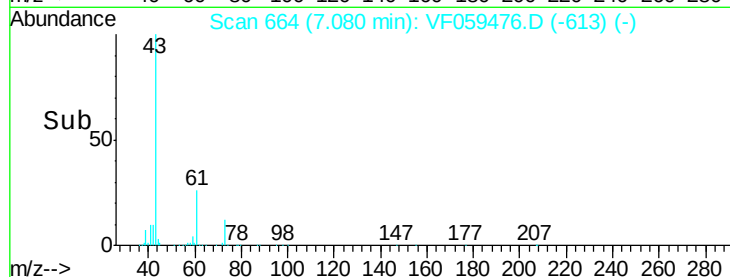
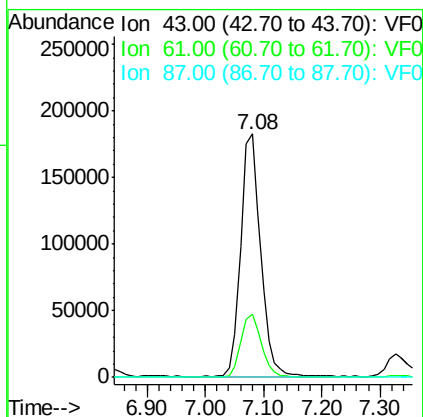
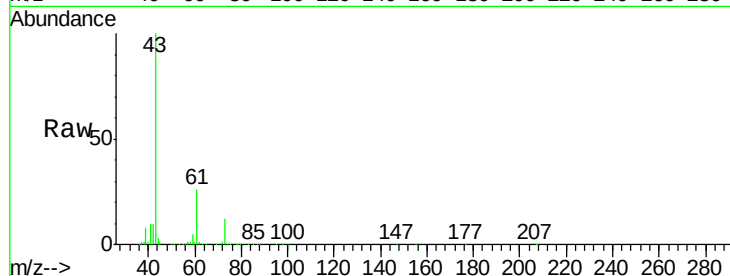
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 436248 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.9  | 20.3  | 30.5   |
| 87       | 0.4   | 0.3   | 0.5    |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#44

Trichloroethene

Concen: 145.08 ug/l

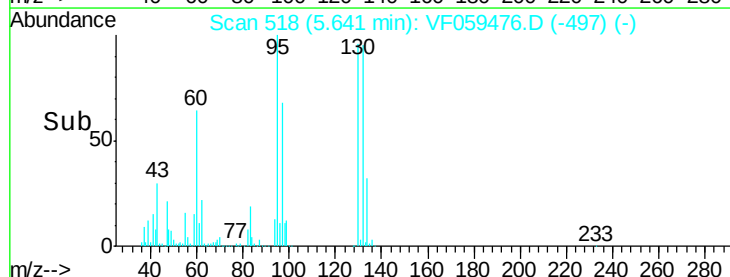
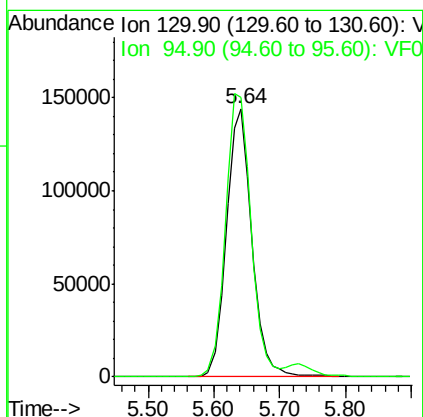
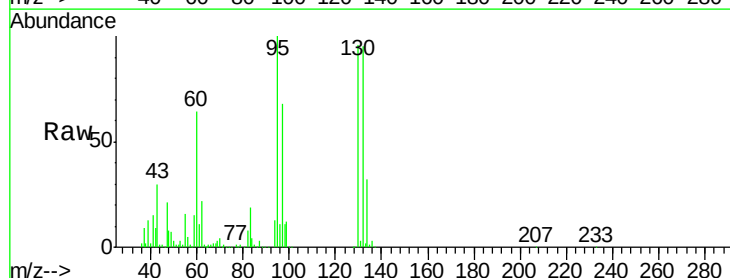
RT: 5.64 min Scan# 518

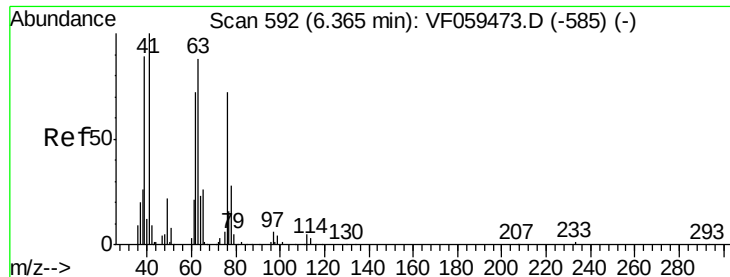
Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 389422 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 104.2 | 0.0   | 214.6  |





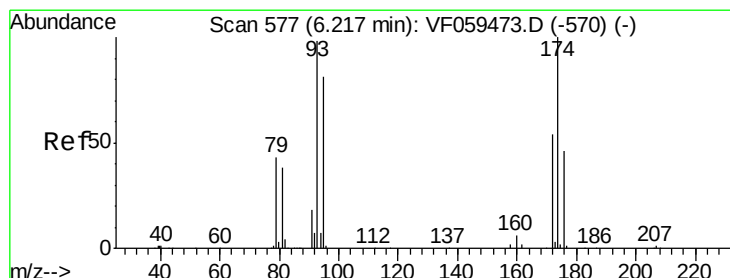
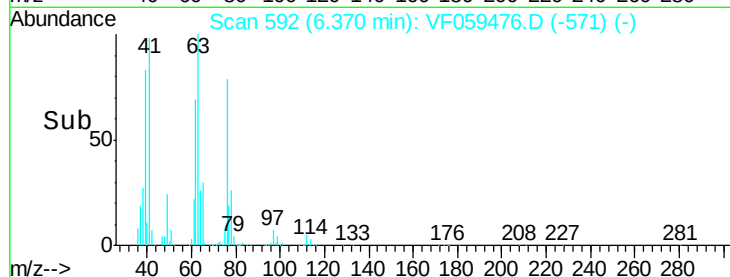
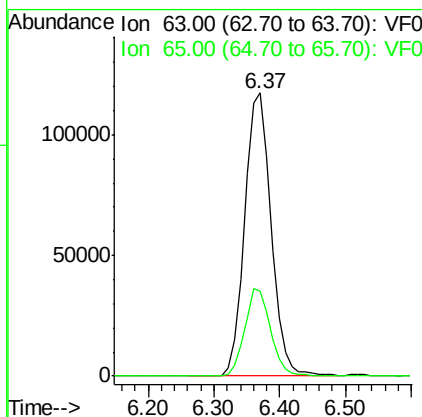
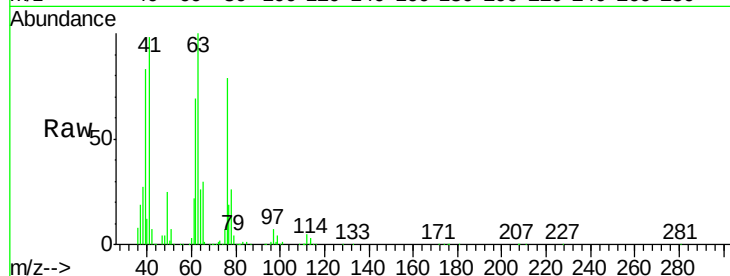
#45  
 1,2-Dichloropropane  
 Concen: 152.26 ug/l  
 RT: 6.37 min Scan# 592  
 Delta R.T. 0.01 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.1  | 23.5  | 35.3  |

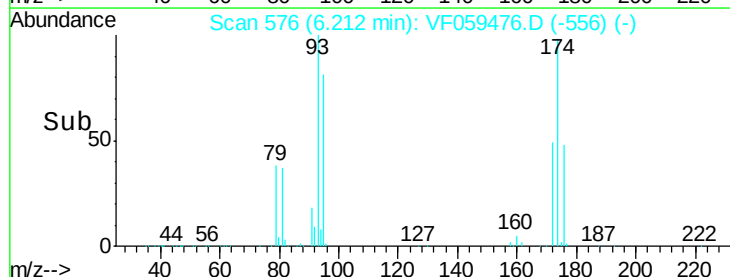
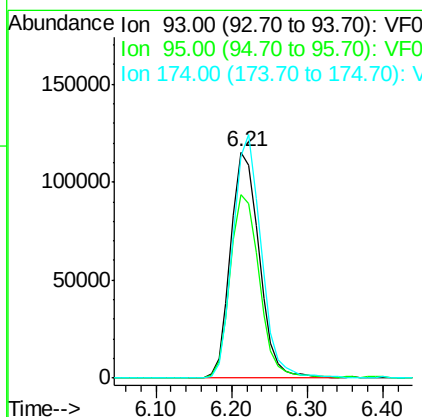
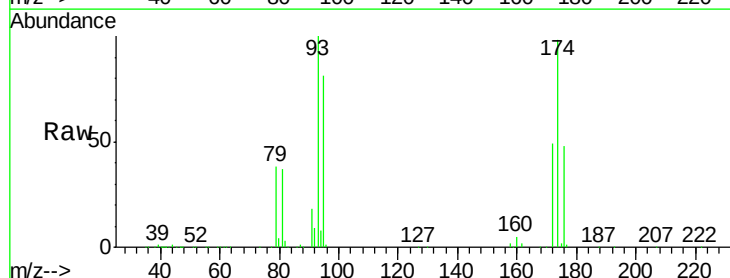
Manual Integrations  
 APPROVED

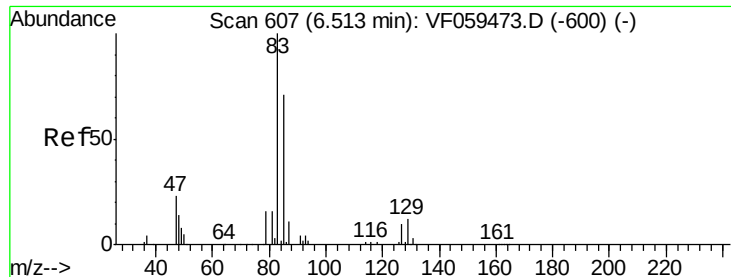
apatel  
 7/9/2018 9:34:49 AM



#46  
 Dibromomethane  
 Concen: 158.33 ug/l  
 RT: 6.21 min Scan# 576  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 81.3  | 65.9  | 98.9  |
| 174     | 98.2  | 83.2  | 124.8 |





#47

Bromodichloromethane

Concen: 163.36 ug/l

RT: 6.51 min Scan# 606

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

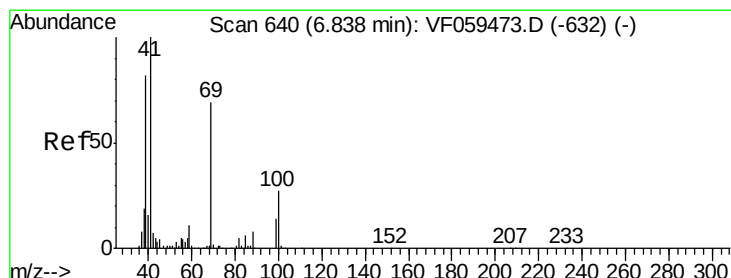
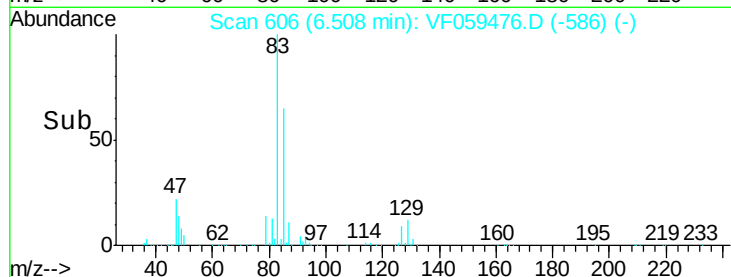
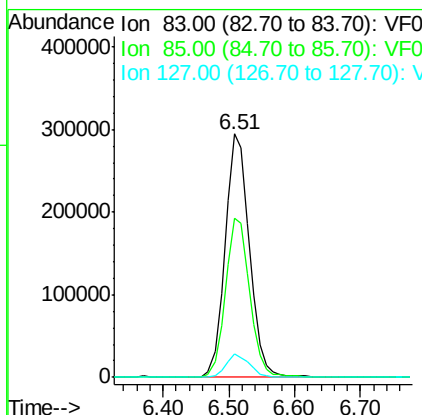
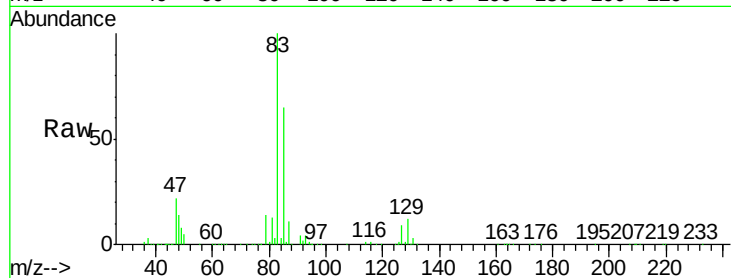
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 763900 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.1  | 56.6  | 84.8   |
| 127       | 9.4   | 8.1   | 12.1   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#48

Methyl methacrylate

Concen: 160.41 ug/l

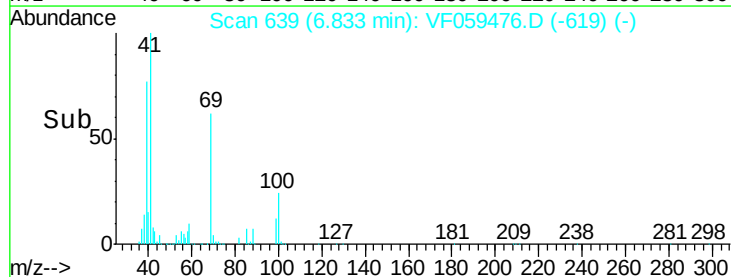
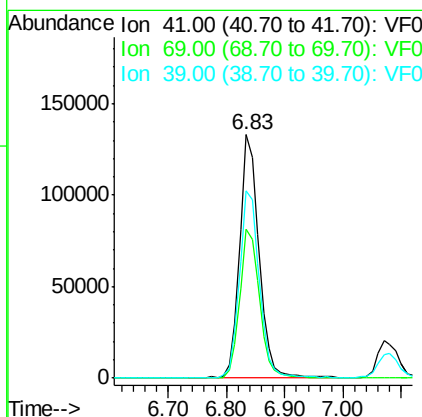
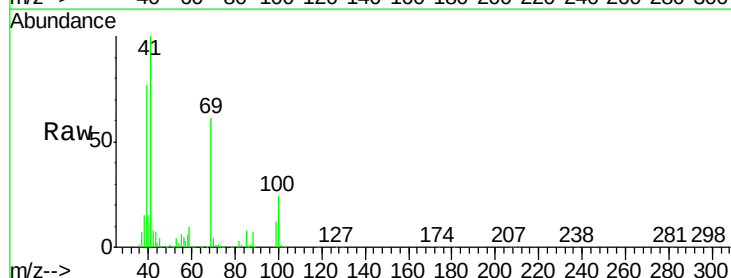
RT: 6.83 min Scan# 639

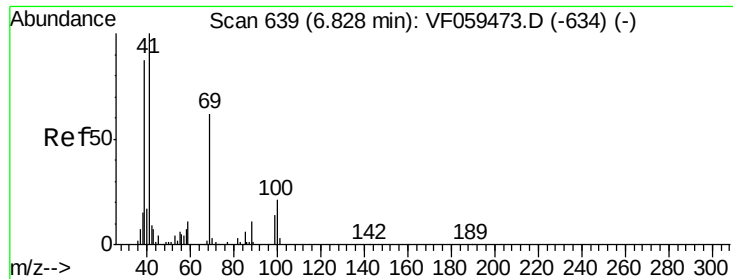
Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 308614 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 61.4  | 55.6  | 83.4   |
| 39        | 77.1  | 66.0  | 99.0   |





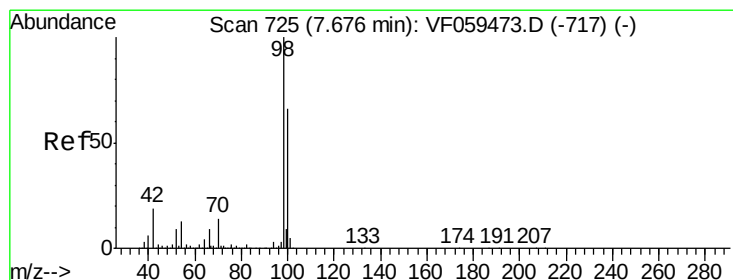
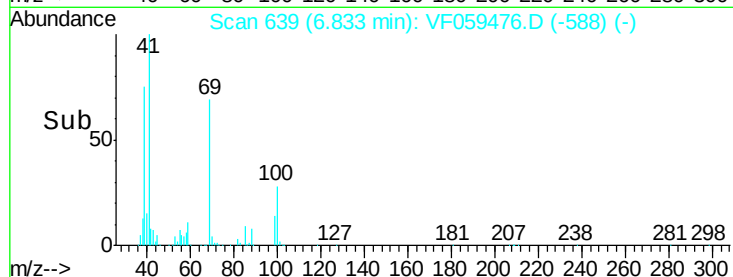
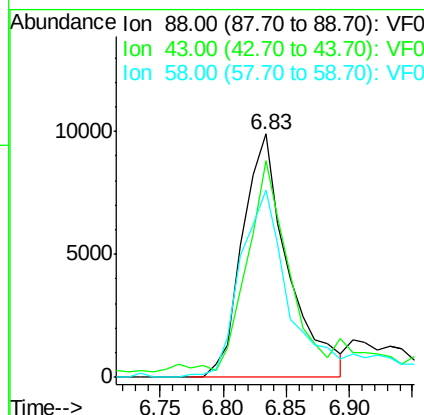
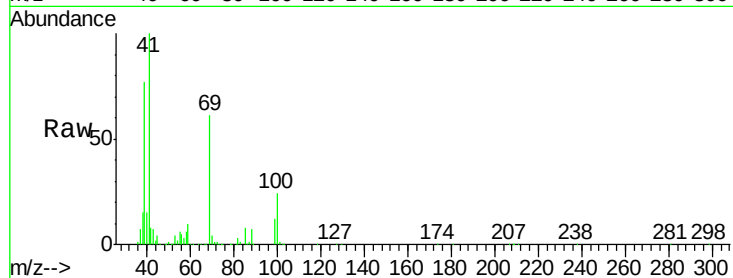
#49  
1,4-Dioxane  
Concen: 2140.87 ug/l  
RT: 6.83 min Scan# 639  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 88.9  | 57.3  | 85.9# |
| 58      | 76.9  | 54.6  | 81.8  |

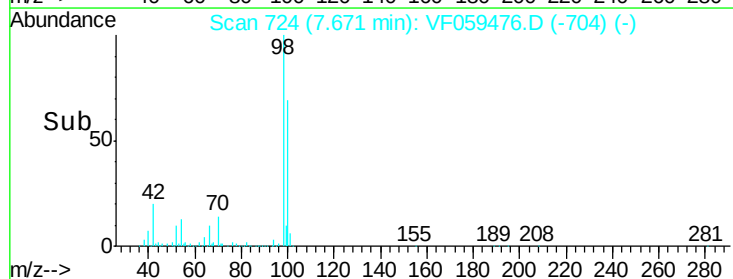
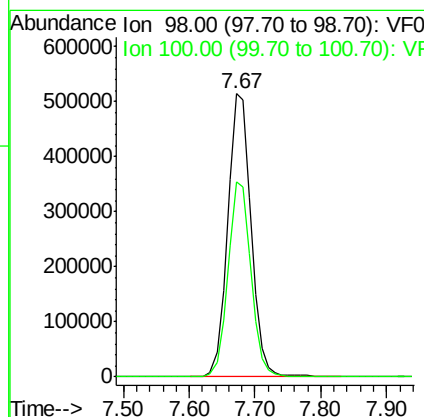
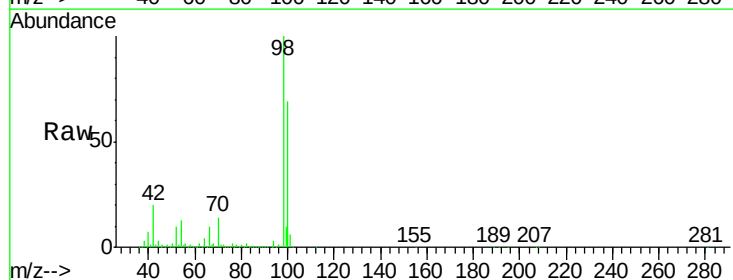
Manual Integrations  
APPROVED

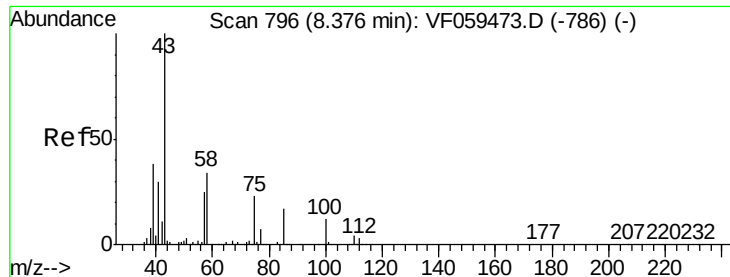
apatel  
7/9/2018 9:34:49 AM



#50  
Toluene-d8  
Concen: 172.97 ug/l  
RT: 7.67 min Scan# 724  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.1  | 52.6  | 78.8  |





#51

4-Methyl-2-Pentanone

Concen: 650.55 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1370290

Ion Ratio Lower Upper

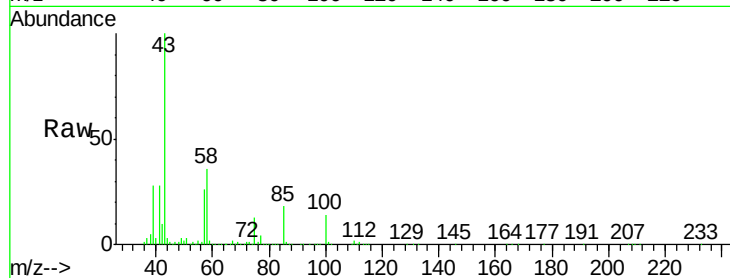
43 100

58 36.2 27.4 41.2

Manual Integrations  
APPROVED

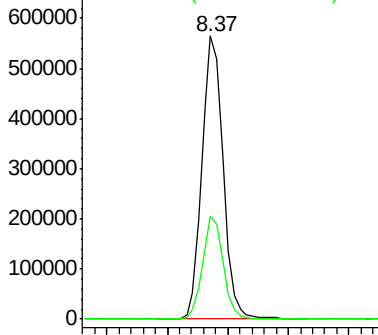
apatel

7/9/2018 9:34:49 AM

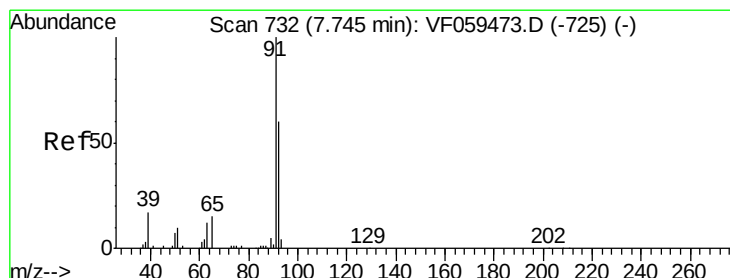
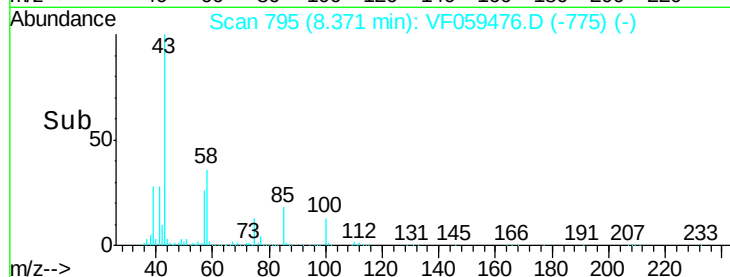


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 142.49 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.01 min

Lab File: VF059476.D

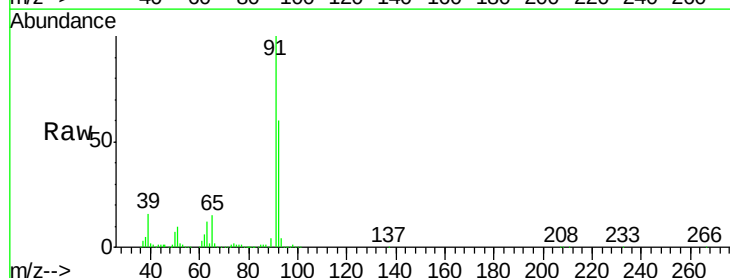
Acq: 7 Jul 2018 4:50

Tgt Ion: 92 Resp: 821809

Ion Ratio Lower Upper

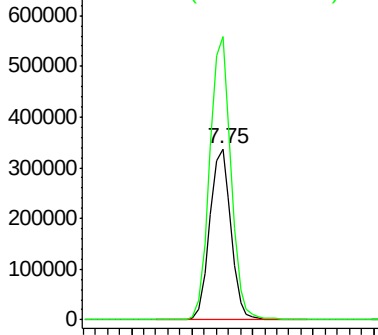
92 100

91 165.7 134.3 201.5

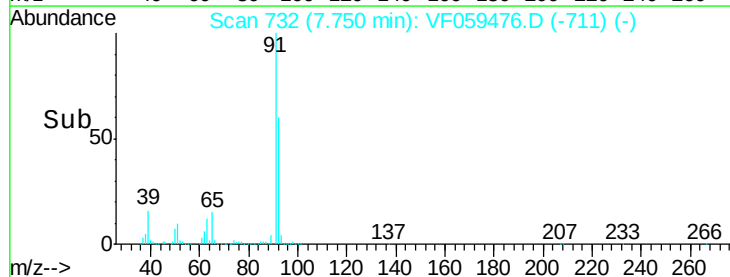


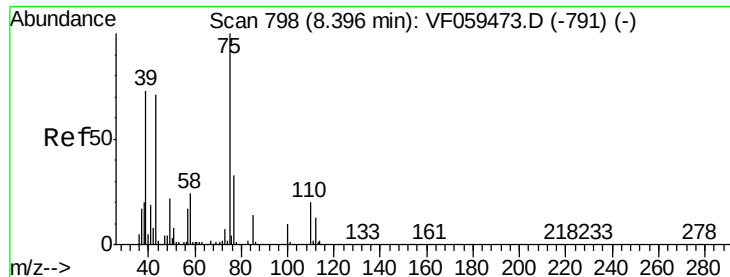
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time--> 7.60 7.70 7.80 7.90





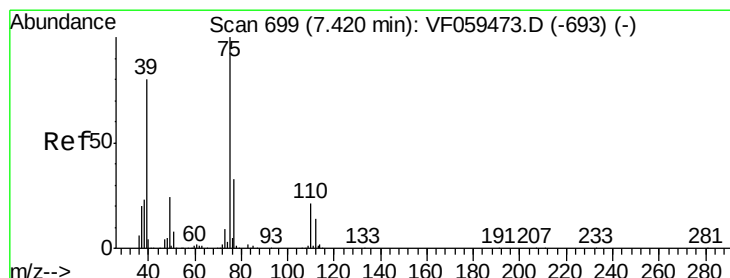
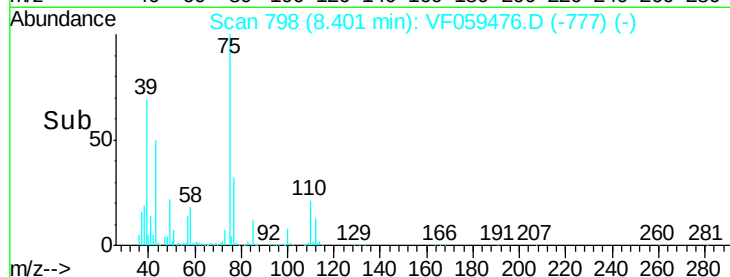
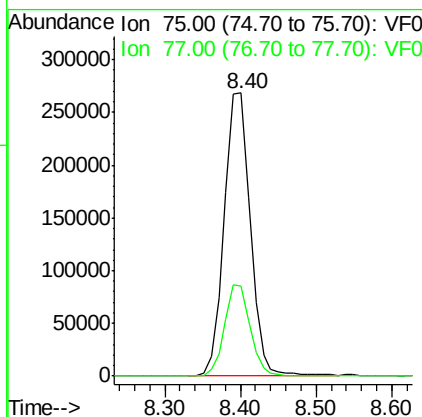
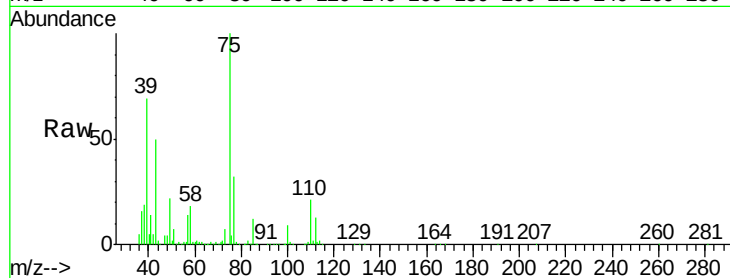
#53  
t-1,3-Dichloropropene  
Concen: 151.84 ug/l  
RT: 8.40 min Scan# 798  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 26.4  | 39.6  |

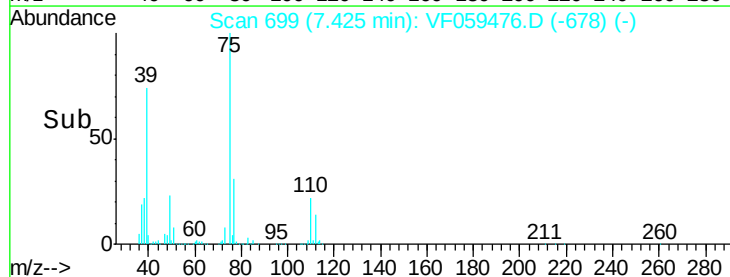
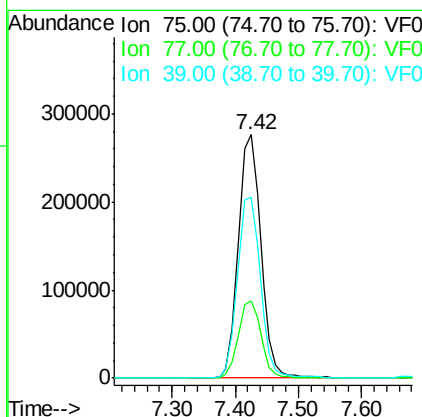
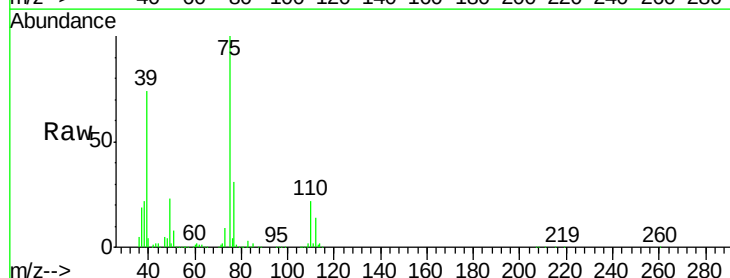
Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM

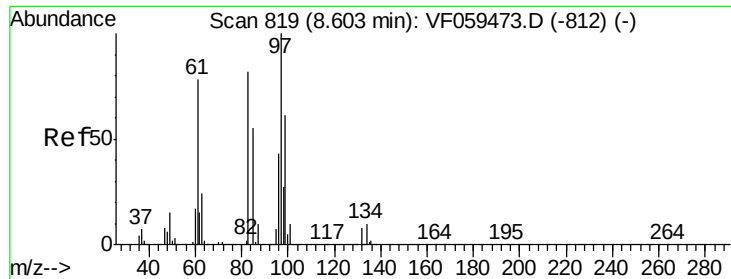


#54  
cis-1,3-Dichloropropene  
Concen: 150.61 ug/l  
RT: 7.42 min Scan# 699  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 26.2  | 39.4  |
| 39      | 74.2  | 64.5  | 96.7  |







#55

1,1,2-Trichloroethane

Concen: 151.50 ug/l

RT: 8.61 min Scan# 819

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

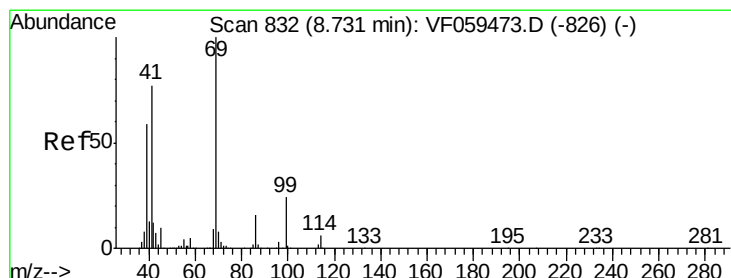
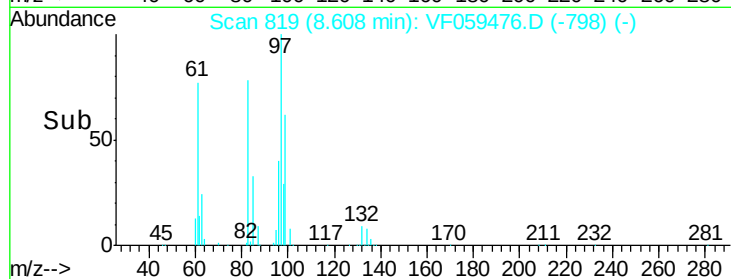
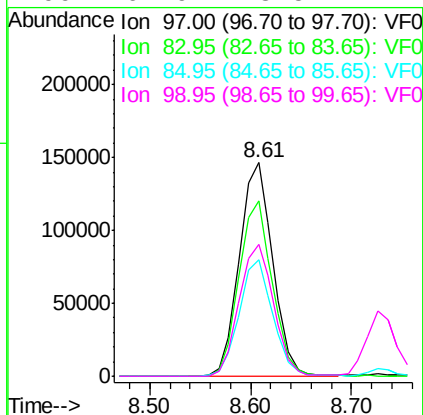
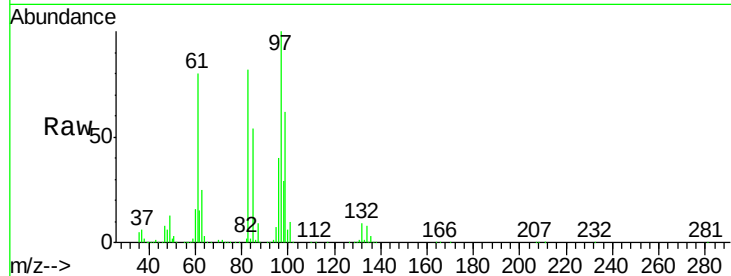
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 337212 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.0  | 65.7  | 98.5   |
| 85       | 54.3  | 43.8  | 65.6   |
| 99       | 61.9  | 48.5  | 72.7   |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#56

Ethyl methacrylate

Concen: 150.85 ug/l

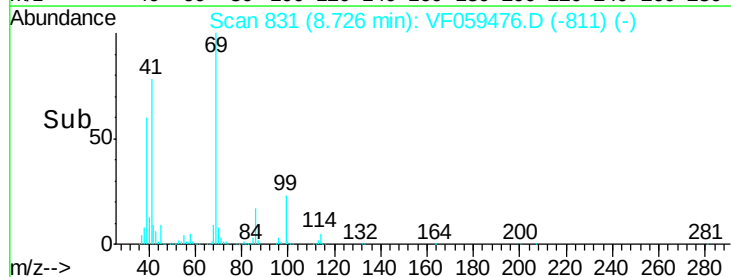
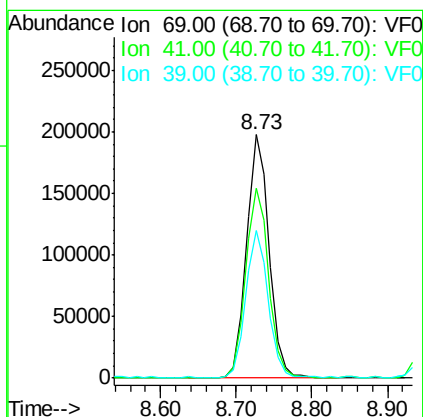
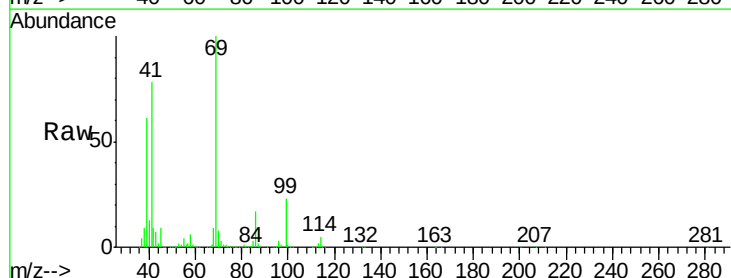
RT: 8.73 min Scan# 831

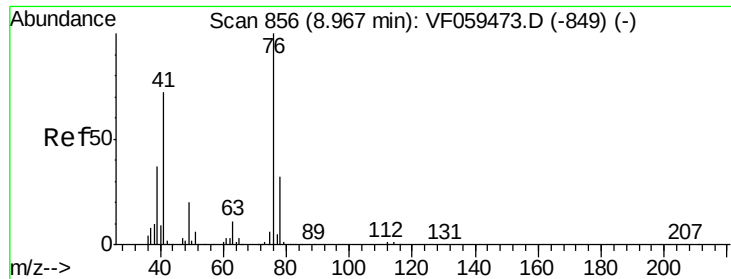
Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 408707 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.7  | 62.2  | 93.4   |
| 39       | 60.7  | 47.7  | 71.5   |





#57

1,3-Dichloropropane

Concen: 150.40 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 574482

Ion Ratio Lower Upper

76 100

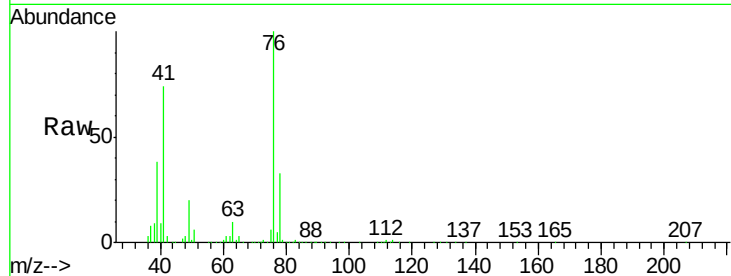
78 33.0 25.2 37.8

Manual Integrations

APPROVED

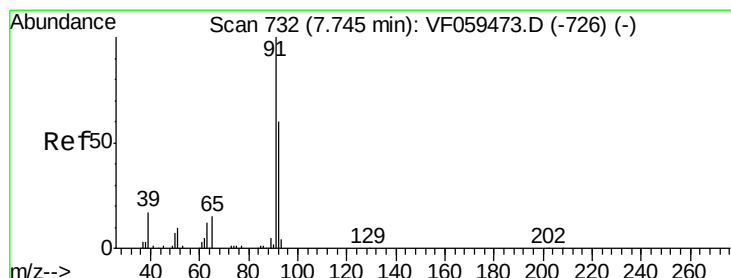
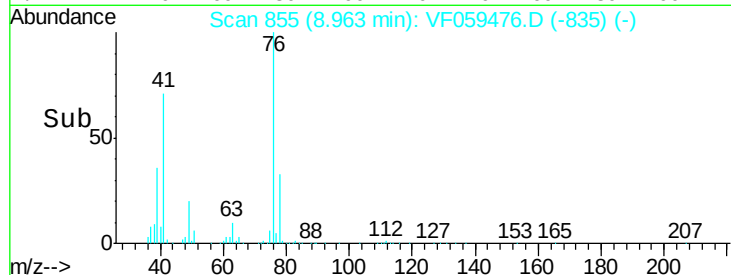
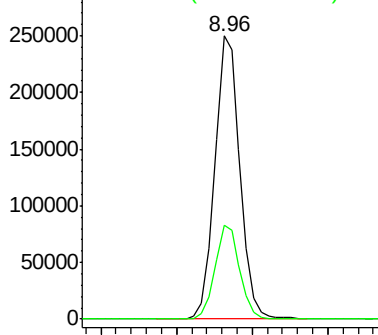
apatel

7/9/2018 9:34:49 AM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 777.99 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.01 min

Lab File: VF059476.D

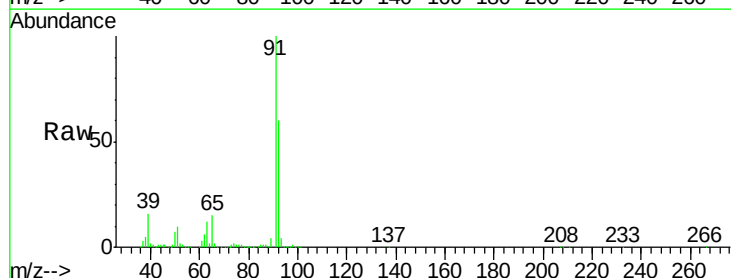
Acq: 7 Jul 2018 4:50

Tgt Ion: 63 Resp: 166294

Ion Ratio Lower Upper

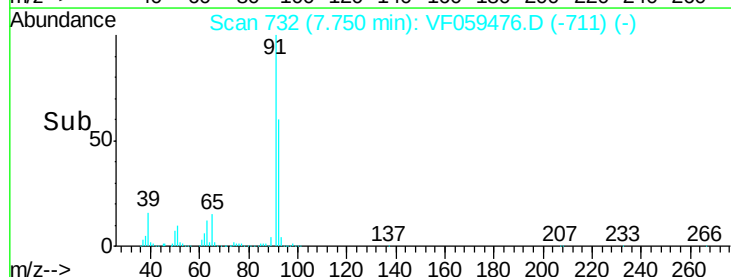
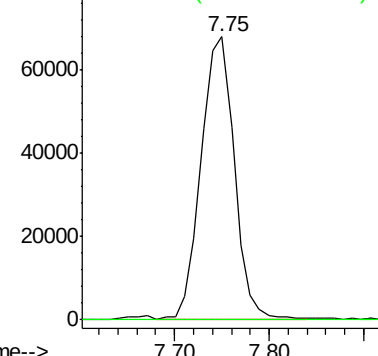
63 100

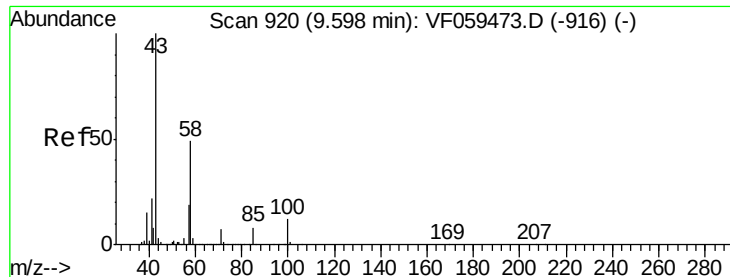
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





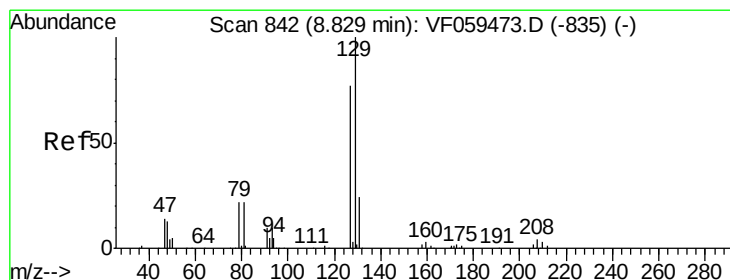
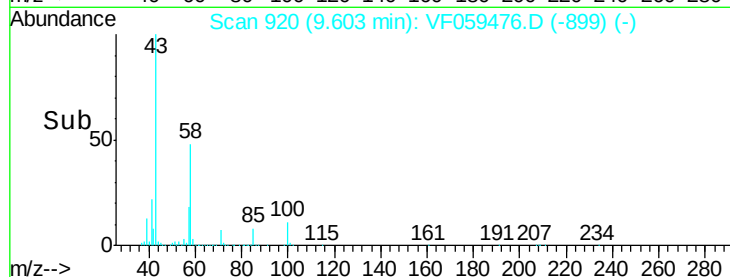
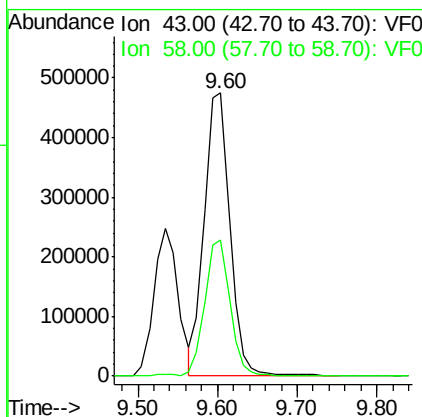
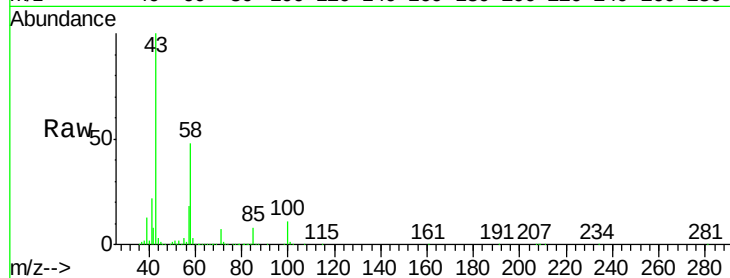
#59  
2-Hexanone  
Concen: 612.15 ug/l  
RT: 9.60 min Scan# 920  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC150

Tot Ion: 43 Resp: 1063305  
Ion Ratio Lower Upper  
43 100  
58 48.1 22.4 67.2

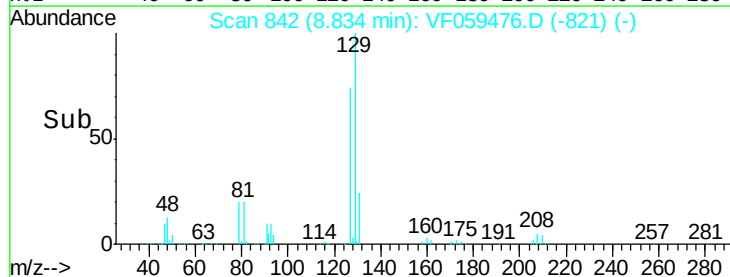
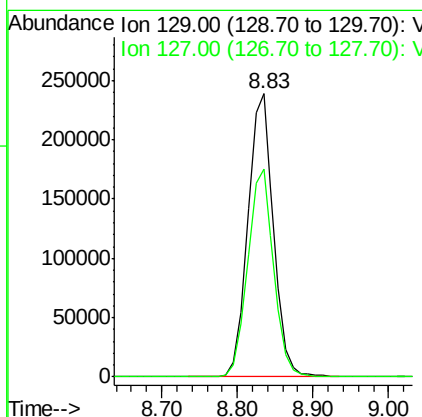
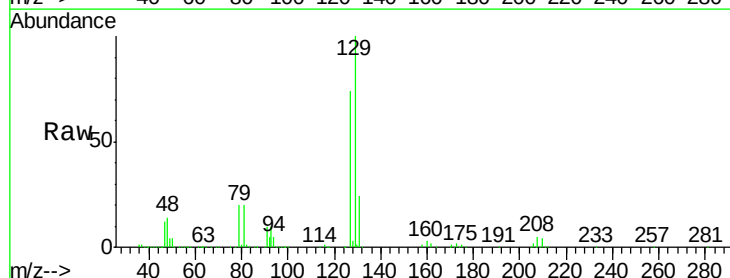
Manual Integrations  
APPROVED

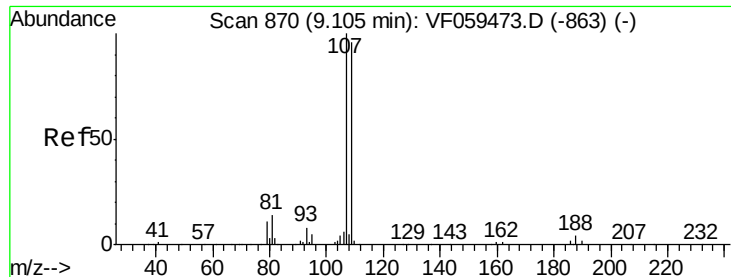
apatel  
7/9/2018 9:34:49 AM



#60  
Dibromochloromethane  
Concen: 161.63 ug/l  
RT: 8.83 min Scan# 842  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Tgt Ion: 129 Resp: 560978  
Ion Ratio Lower Upper  
129 100  
127 73.6 38.8 116.3





#61

1,2-Dibromoethane

Concen: 153.45 ug/l

RT: 9.10 min Scan# 869

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Tot Ion: 107 Resp: 415462

Ion Ratio Lower Upper

107 100

109 98.6 76.7 115.1

Instrument :

MSVOA\_F

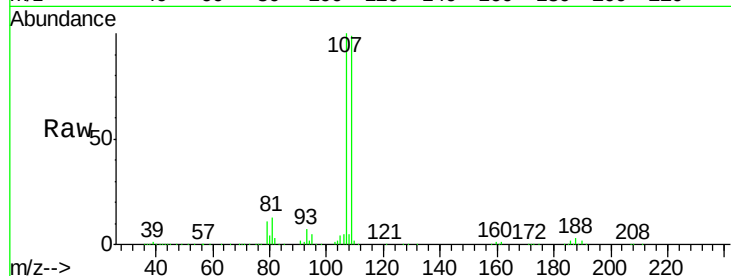
ClientSampleId :

VSTDIC150

Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

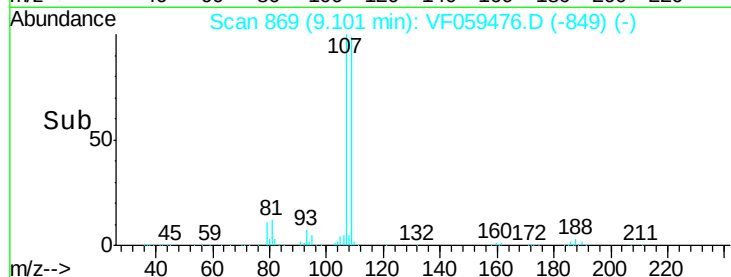
150000

100000

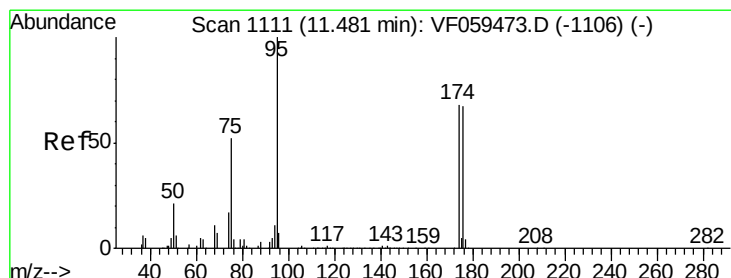
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 153.57 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

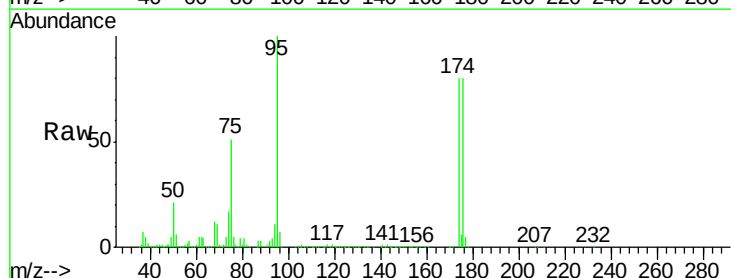
Tgt Ion: 95 Resp: 641396

Ion Ratio Lower Upper

95 100

174 80.5 0.0 137.0

176 79.7 0.0 133.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

500000

400000

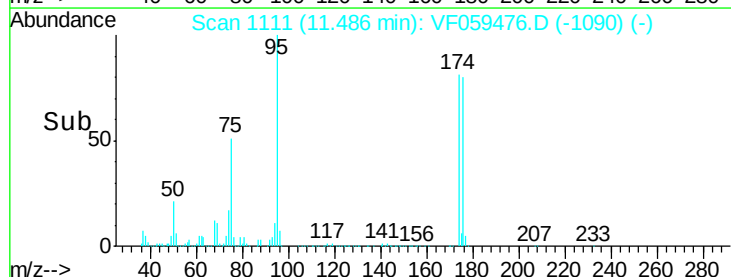
300000

200000

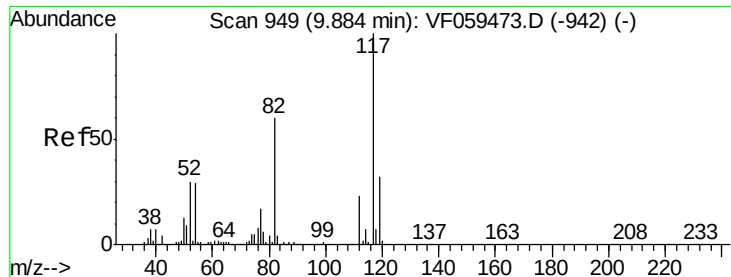
100000

0

Time-->



Time-->



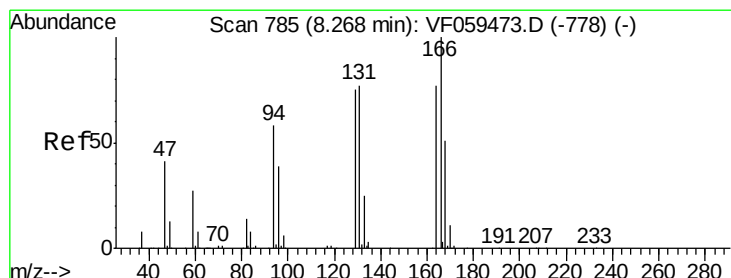
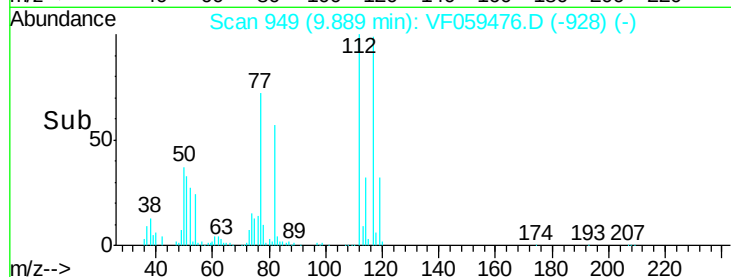
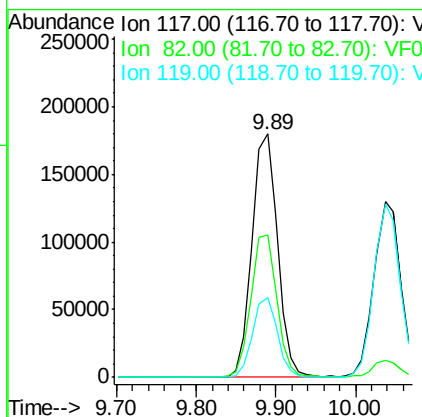
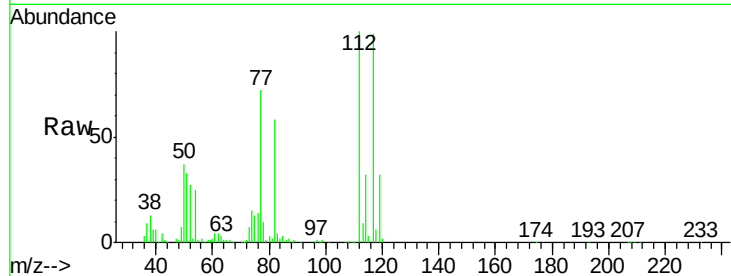
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.89 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.3  | 48.2  | 72.4  |
| 119     | 32.6  | 25.7  | 38.5  |

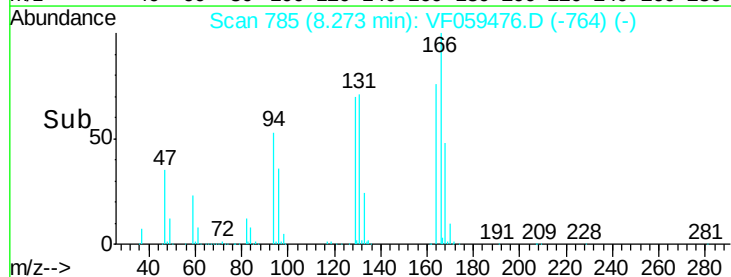
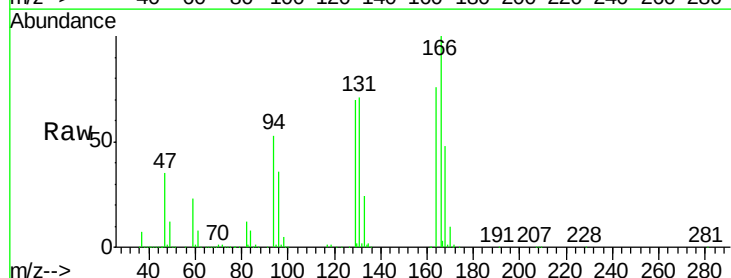
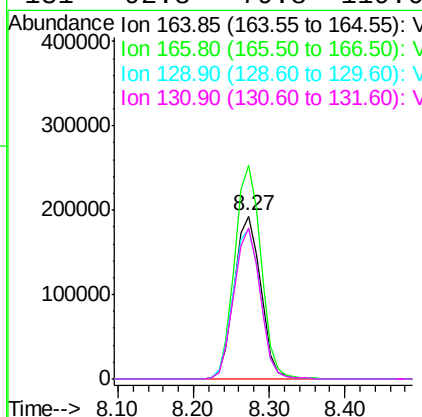
Manual Integrations  
APPROVED

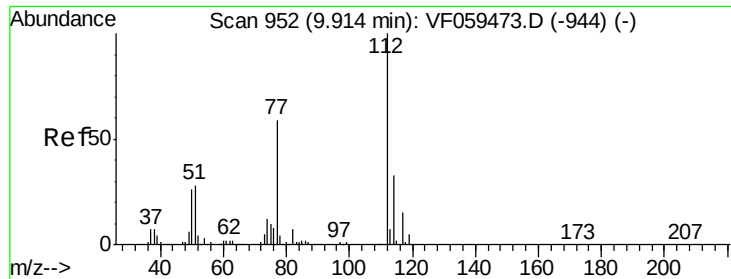
apatel  
7/9/2018 9:34:49 AM



#64  
Tetrachloroethene  
Concen: 172.74 ug/l  
RT: 8.27 min Scan# 785  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.9 | 103.5 | 155.3 |
| 129     | 92.1  | 77.6  | 116.4 |
| 131     | 92.8  | 79.8  | 119.6 |





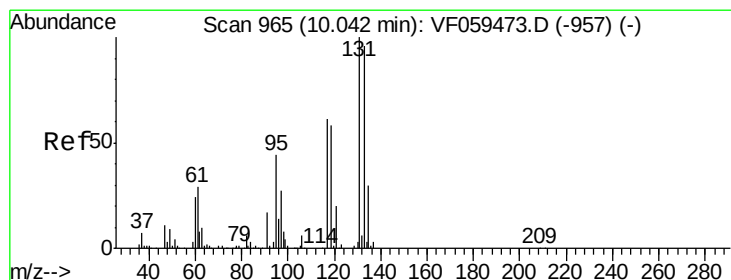
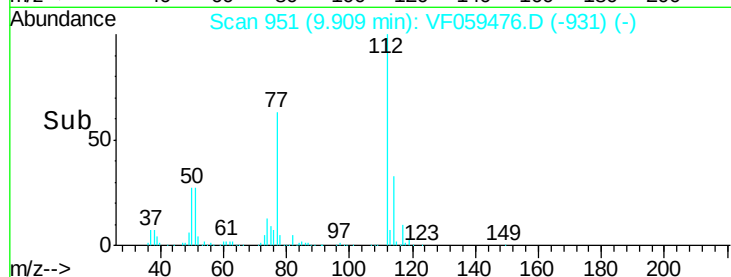
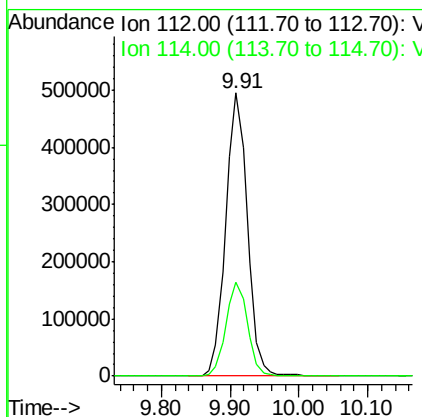
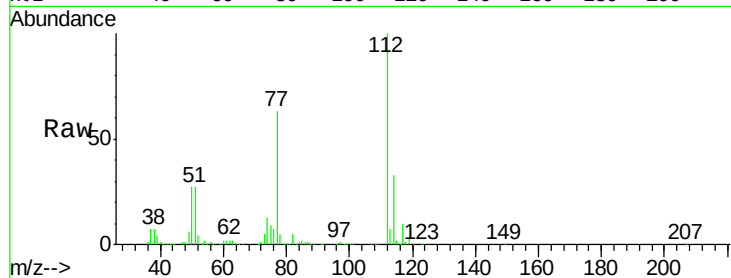
#65  
Chlorobenzene  
Concen: 144.09 ug/l  
RT: 9.91 min Scan# 951  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

Tot Ion:112 Resp: 1079521  
Ion Ratio Lower Upper  
112 100  
114 33.3 26.2 39.2

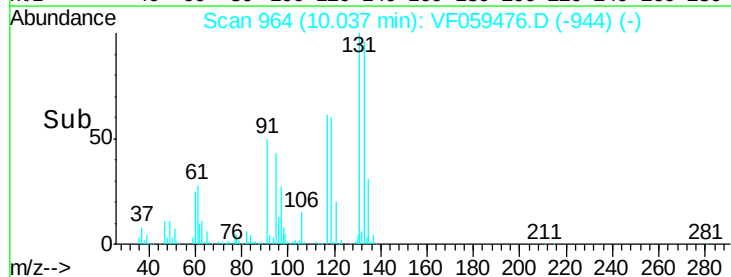
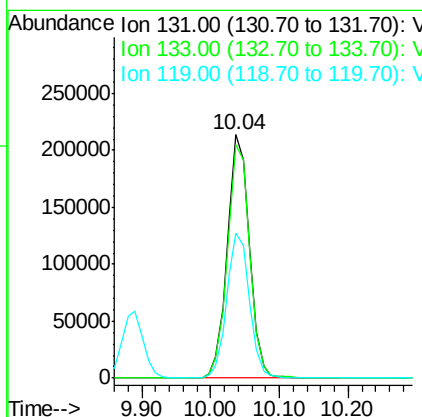
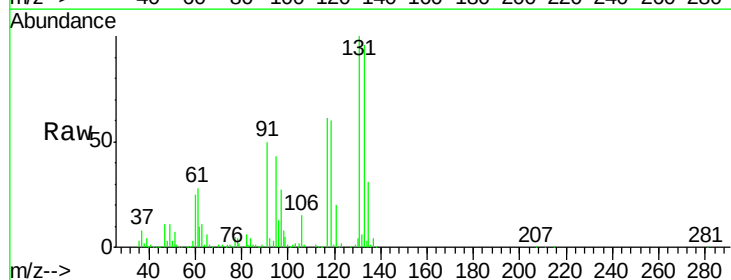
Manual Integrations  
APPROVED

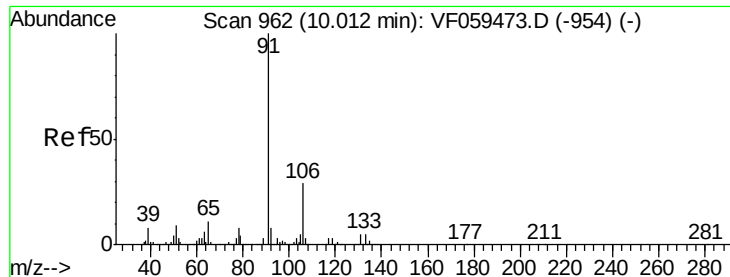
apatel  
7/9/2018 9:34:49 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 145.66 ug/l  
RT: 10.04 min Scan# 964  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Tgt Ion:131 Resp: 475486  
Ion Ratio Lower Upper  
131 100  
133 95.9 48.1 144.3  
119 59.8 29.3 87.8





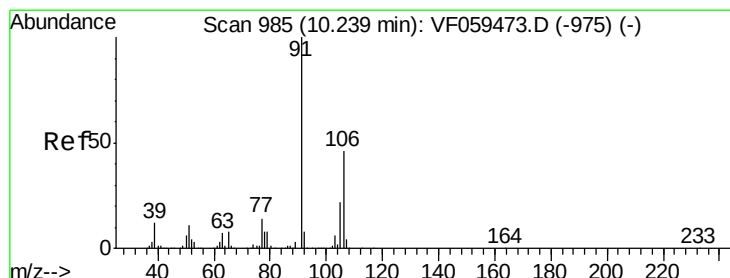
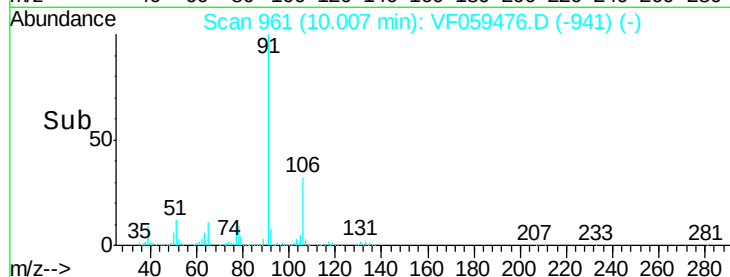
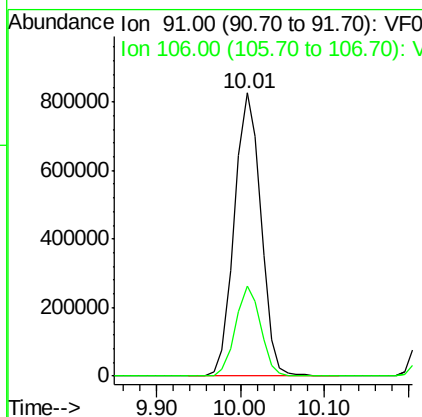
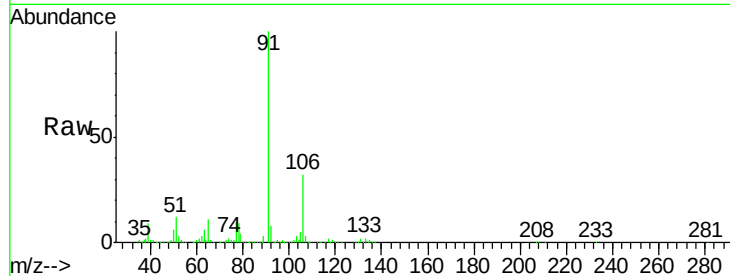
#67  
Ethyl Benzene  
Concen: 142.66 ug/l  
RT: 10.01 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 1820713  
Ion Ratio Lower Upper  
91 100  
106 31.7 23.0 34.6

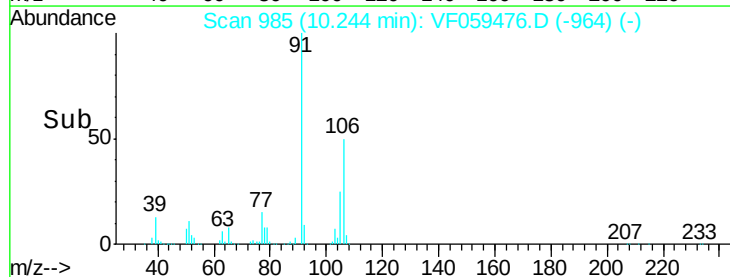
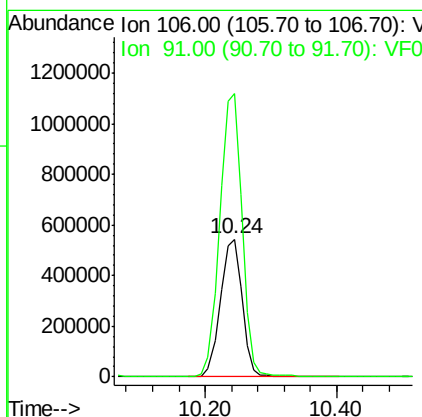
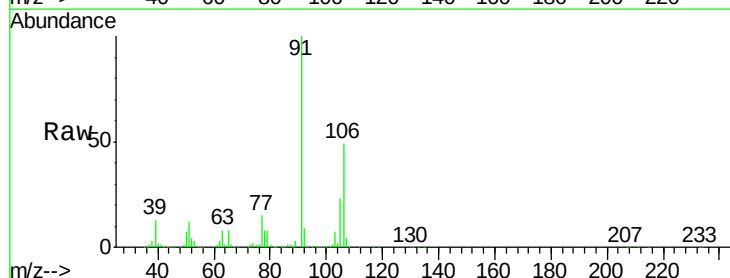
Manual Integrations  
APPROVED

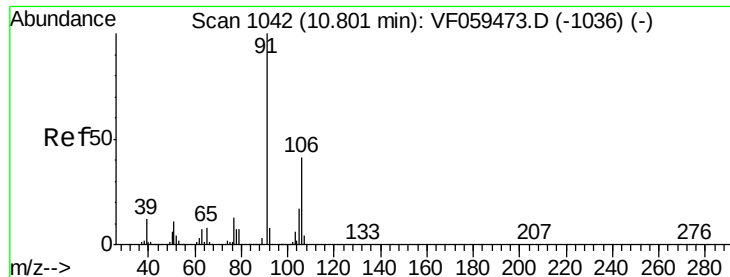
apatel  
7/9/2018 9:34:49 AM



#68  
m/p-Xylenes  
Concen: 277.71 ug/l  
RT: 10.24 min Scan# 985  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Tgt Ion: 106 Resp: 1252138  
Ion Ratio Lower Upper  
106 100  
91 205.8 173.5 260.3





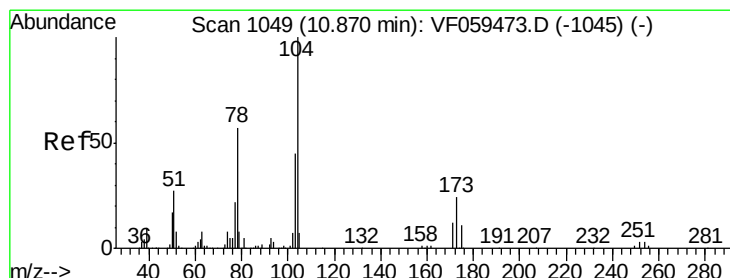
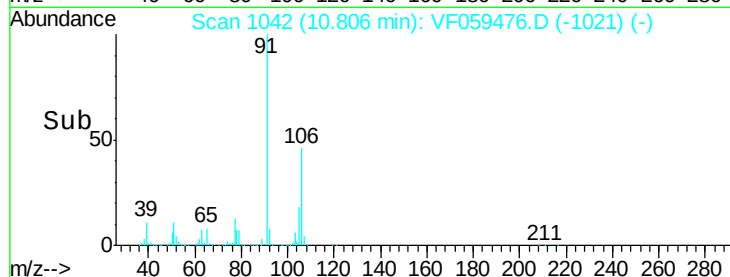
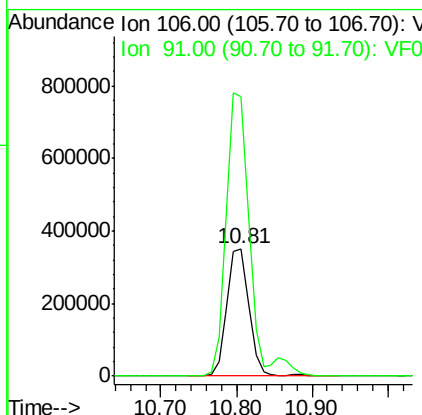
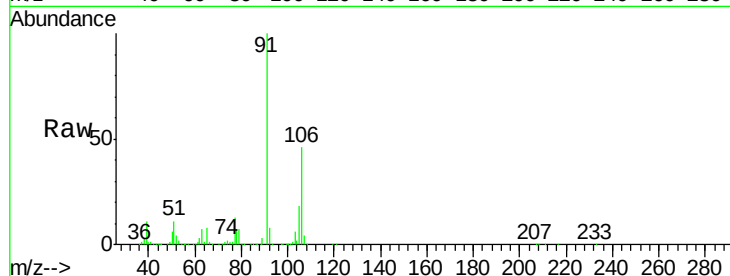
#69  
o-Xylene  
Concen: 140.88 ug/l  
RT: 10.81 min Scan# 1042  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 218.7 | 121.8 | 365.3 |

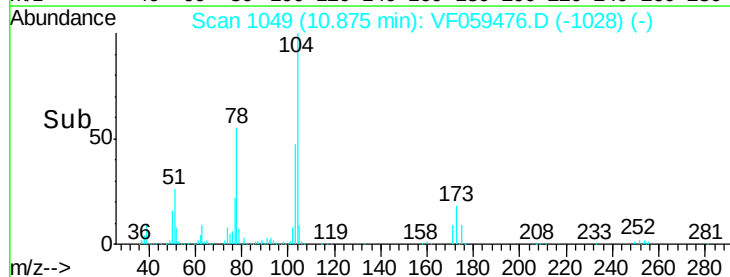
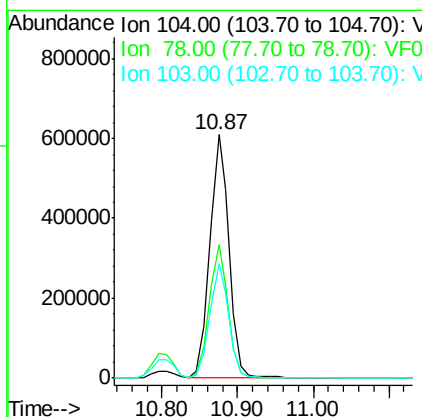
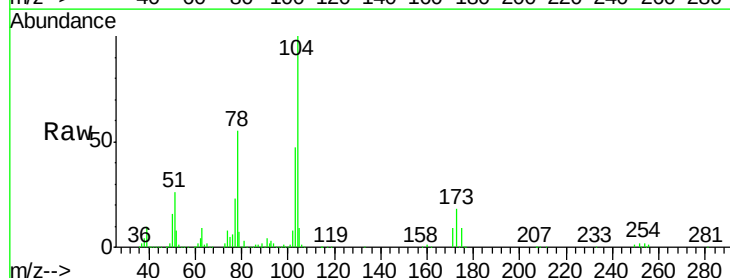
Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM

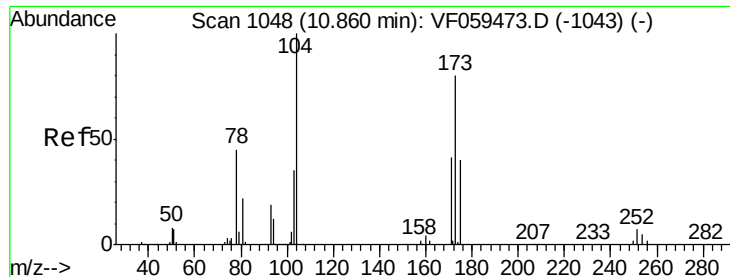


#70  
Styrene  
Concen: 141.54 ug/l  
RT: 10.87 min Scan# 1049  
Delta R.T. 0.01 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 55.0  | 46.2  | 69.2  |
| 103     | 47.2  | 36.8  | 55.2  |







#71

Bromoform

Concen: 158.26 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 352456

Ion Ratio Lower Upper

173 100

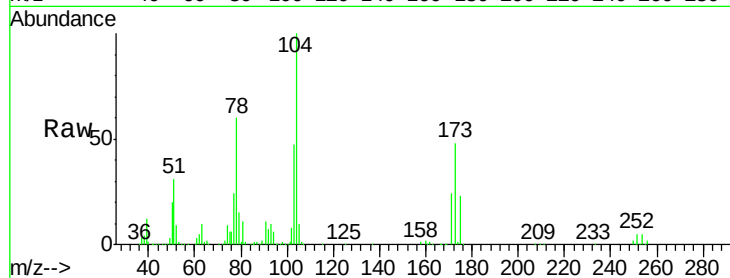
175 47.9 24.9 74.8

254 0.2 0.0 0.0#

Manual Integrations  
APPROVED

apatel

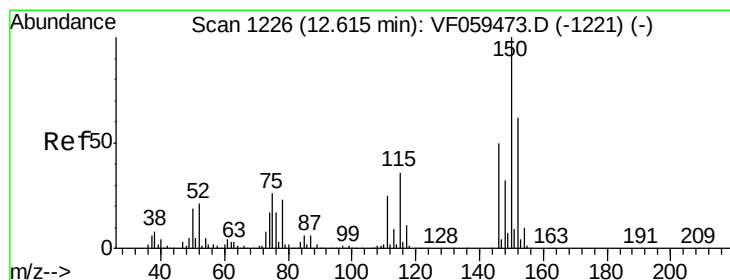
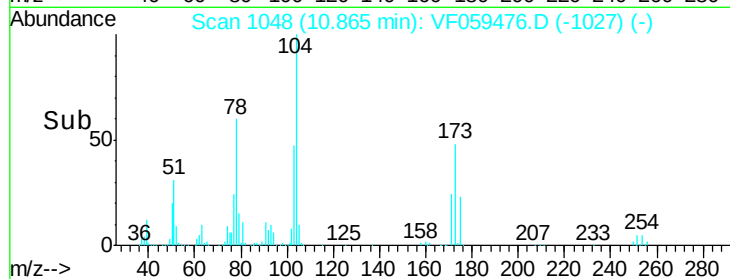
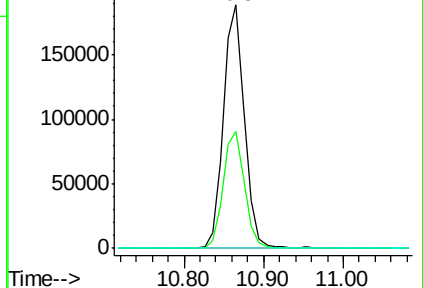
7/9/2018 9:34:49 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

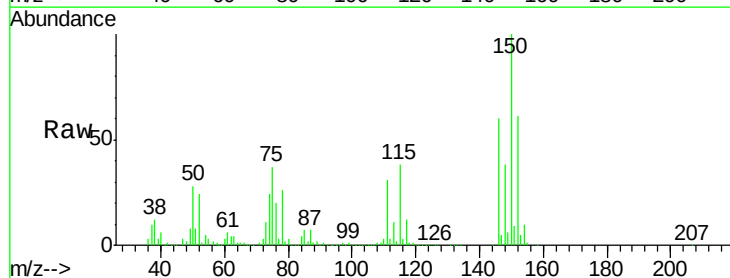
Tgt Ion:152 Resp: 221329

Ion Ratio Lower Upper

152 100

115 62.9 28.7 86.3

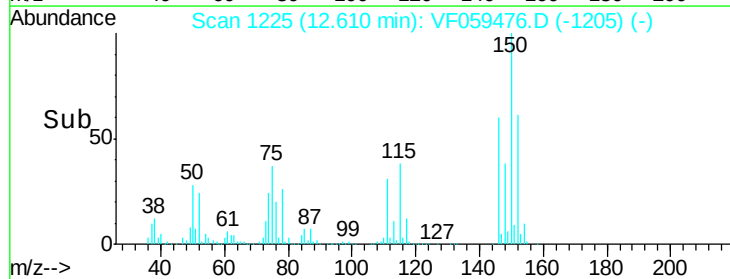
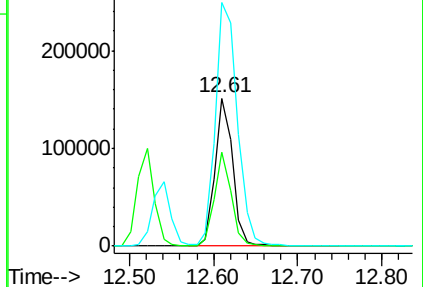
150 164.3 0.0 323.8

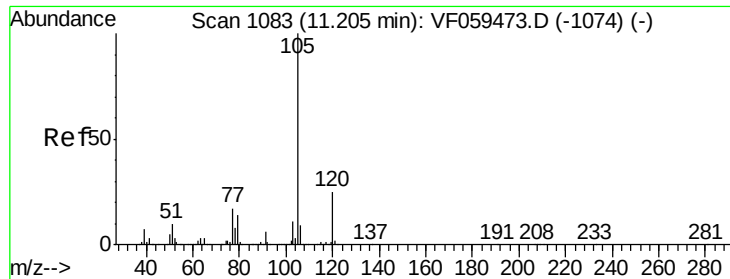


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





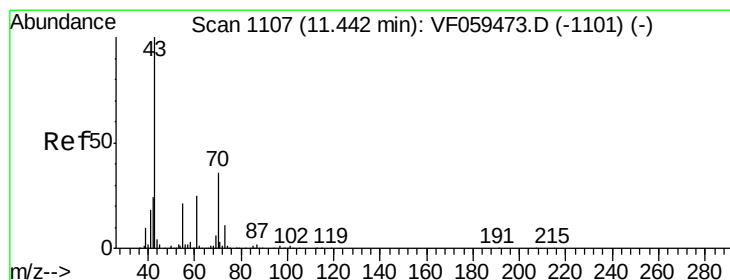
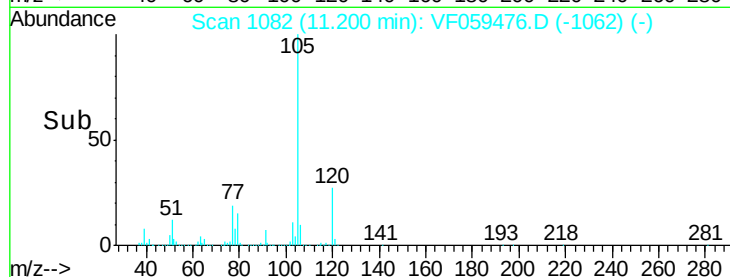
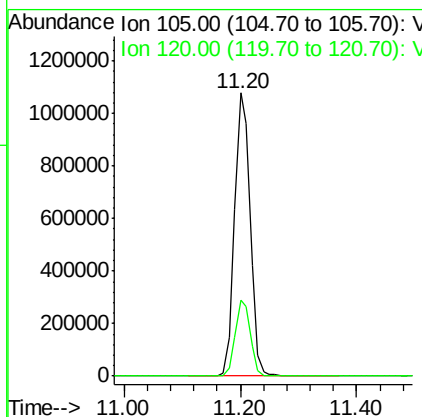
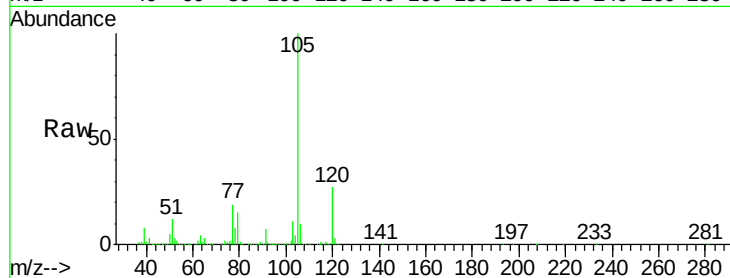
#73  
Isopropylbenzene  
Concen: 152.25 ug/l  
RT: 11.20 min Scan# 1082  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC150

Tot Ion:105 Resp: 2005784  
Ion Ratio Lower Upper  
105 100  
120 26.7 12.4 37.2

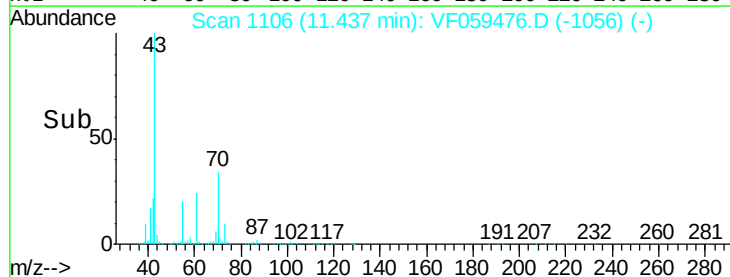
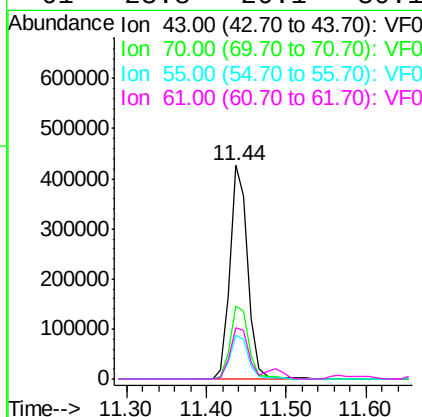
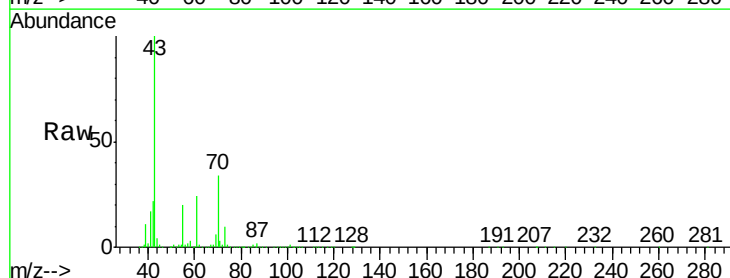
Manual Integrations  
APPROVED

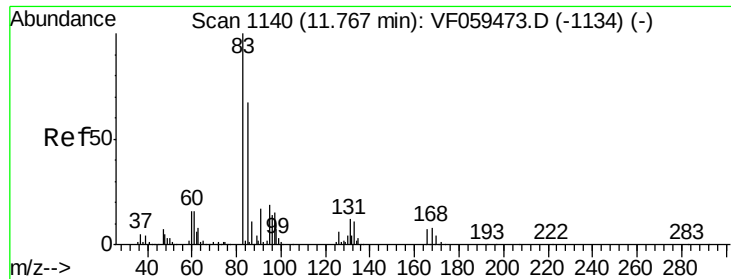
apatel  
7/9/2018 9:34:49 AM



#74  
N-ethyl acetate  
Concen: 143.71 ug/l  
RT: 11.44 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VF059476.D  
Acq: 7 Jul 2018 4:50

Tgt Ion: 43 Resp: 668726  
Ion Ratio Lower Upper  
43 100  
70 34.2 28.7 43.1  
55 20.3 16.6 24.8  
61 23.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 138.16 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

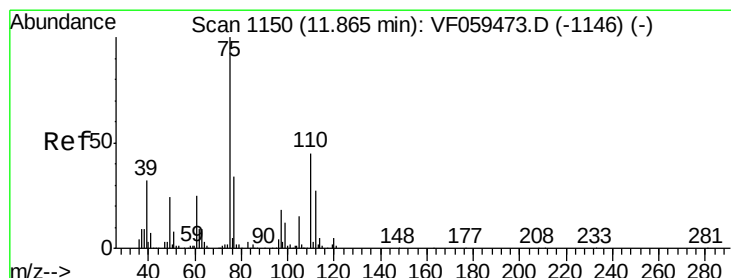
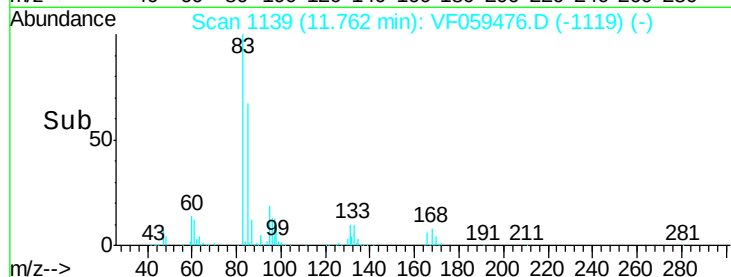
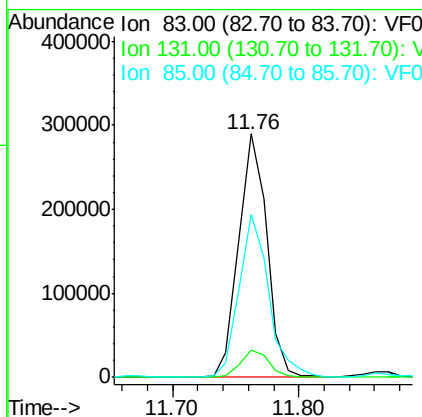
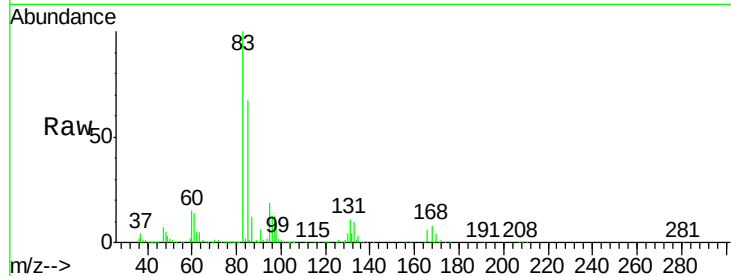
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 448374 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.1  | 6.0   | 18.0   |
| 85        | 66.8  | 33.7  | 101.1  |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#76

1,2,3-Trichloropropane

Concen: 148.40 ug/l

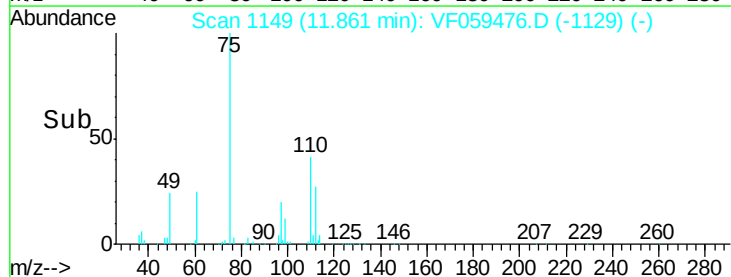
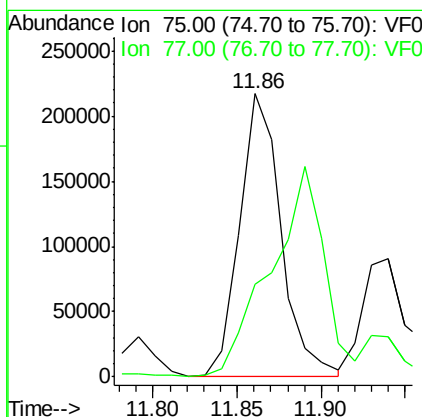
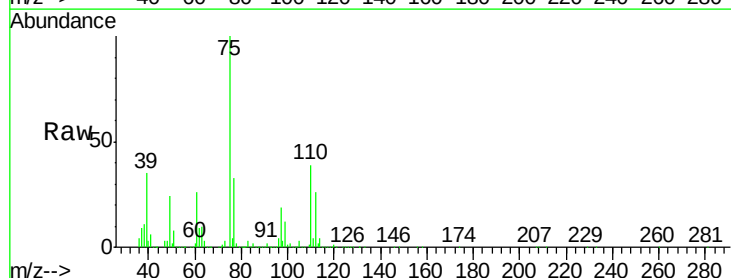
RT: 11.86 min Scan# 1149

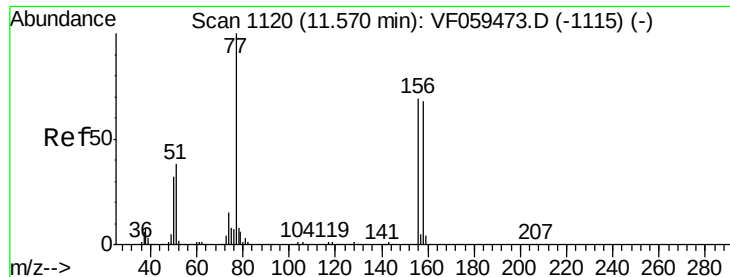
Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 369443 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 32.8  | 16.9  | 50.6   |





#77

Bromobenzene

Concen: 156.57 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

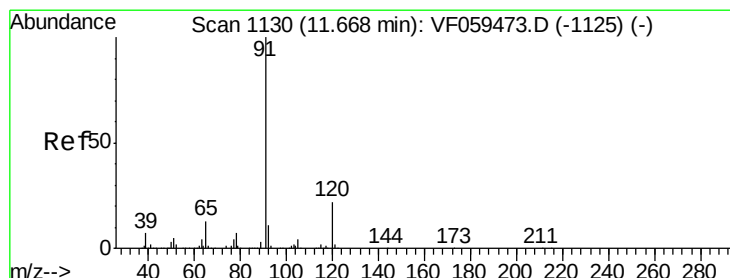
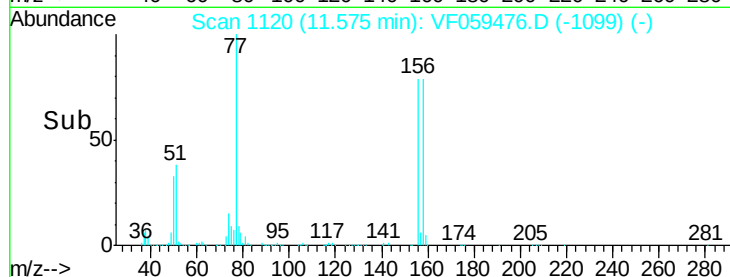
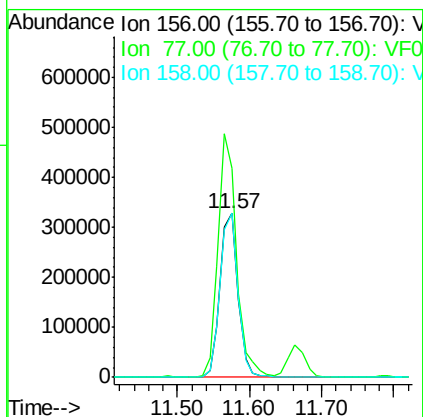
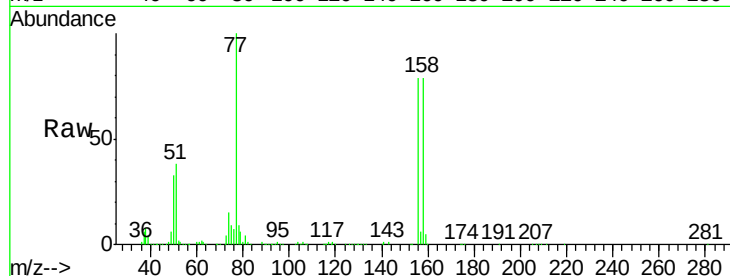
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 567611 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 127.3 | 72.4  | 217.2  |
| 158       | 100.2 | 49.5  | 148.3  |

Manual Integrations  
APPROVED

apatel  
7/9/2018 9:34:49 AM



#78

n-propylbenzene

Concen: 140.71 ug/l

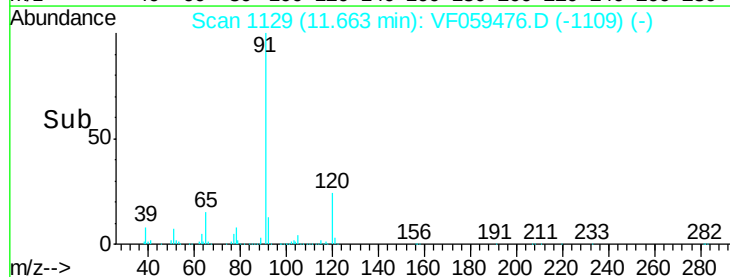
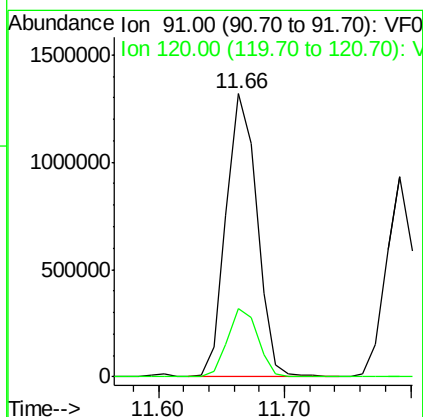
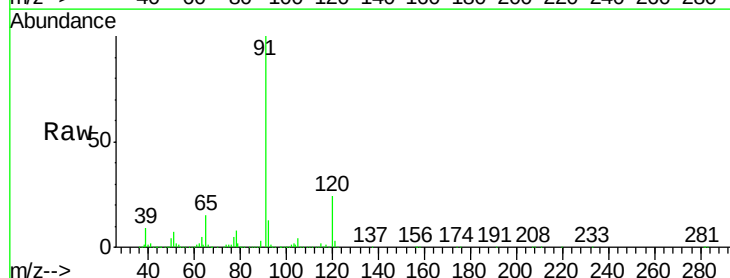
RT: 11.66 min Scan# 1129

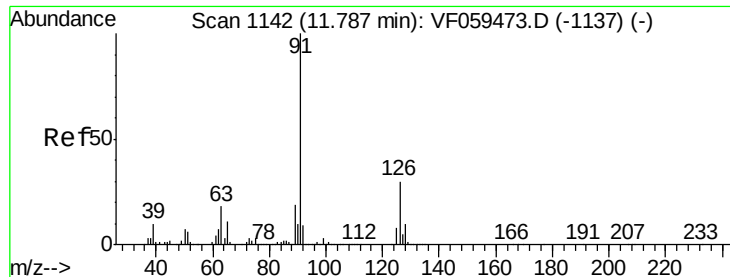
Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 2224986 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 24.4  | 11.1  | 33.1    |





#79

2-Chlorotoluene

Concen: 147.32 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1428744

Ion Ratio Lower Upper

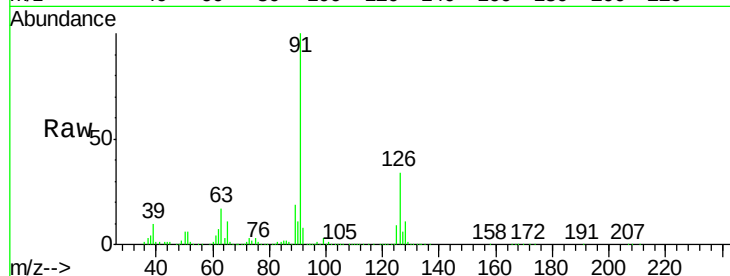
91 100

126 34.4 15.2 45.5

Manual Integrations  
APPROVED

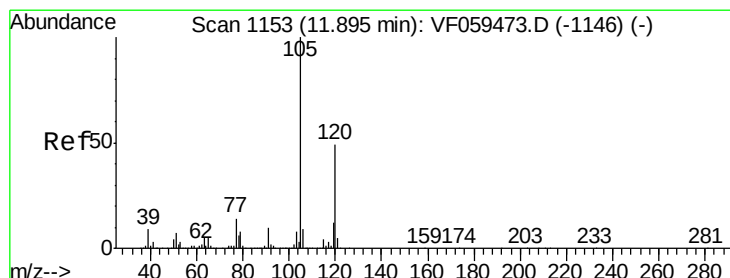
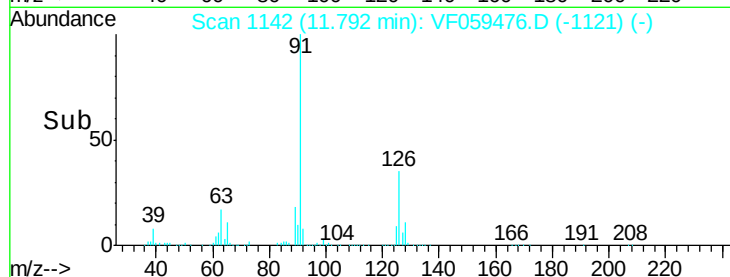
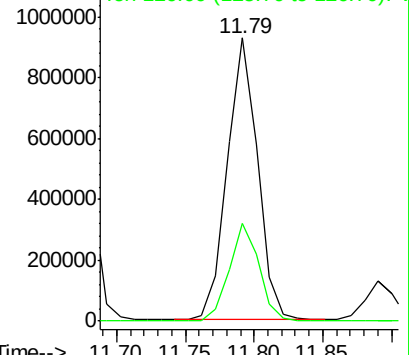
apatel

7/9/2018 9:34:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 142.53 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059476.D

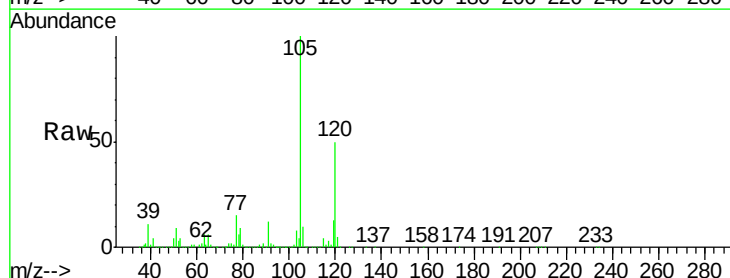
Acq: 7 Jul 2018 4:50

Tgt Ion: 105 Resp: 1655720

Ion Ratio Lower Upper

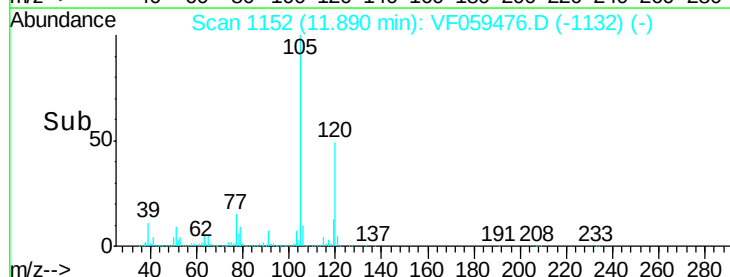
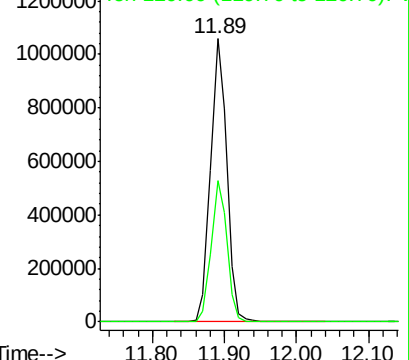
105 100

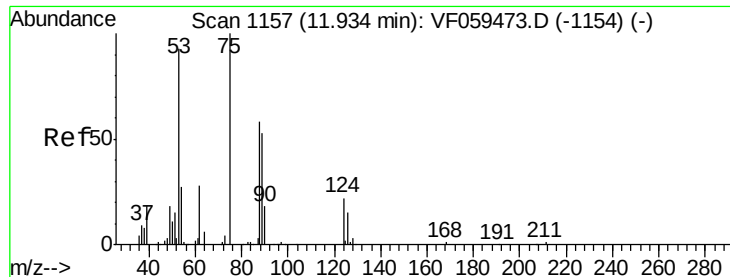
120 49.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 137.80 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 198929

Ion Ratio Lower Upper

75 100

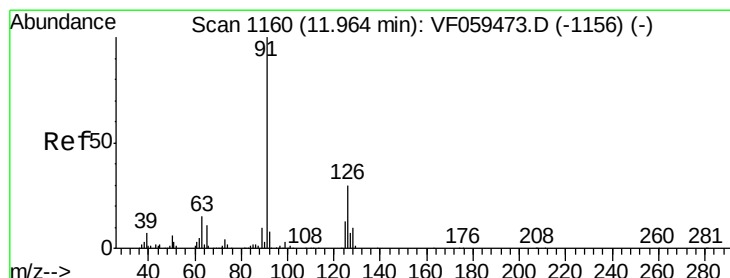
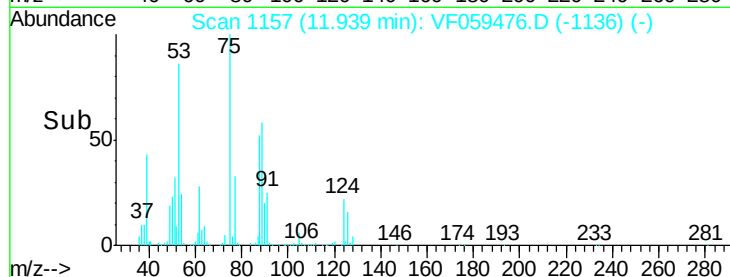
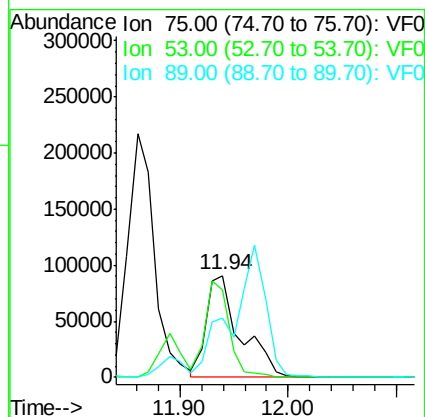
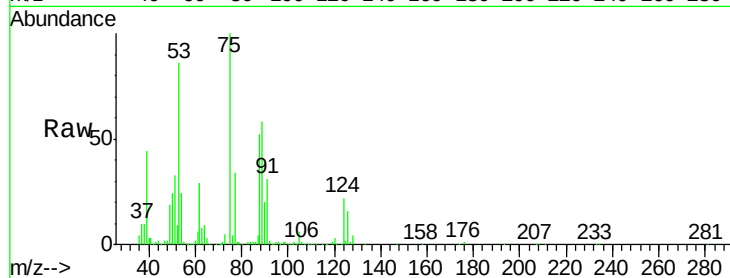
53 86.1 79.0 118.6

89 58.1 45.9 68.9

Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



#82

4-Chlorotoluene

Concen: 147.10 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059476.D

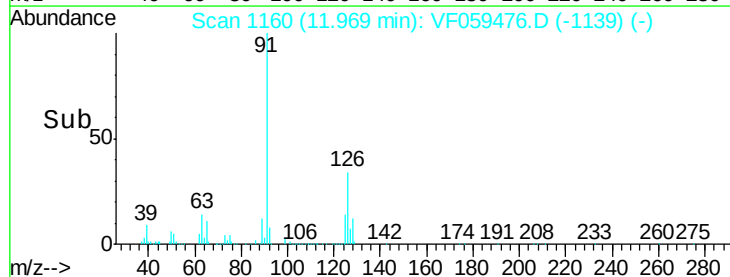
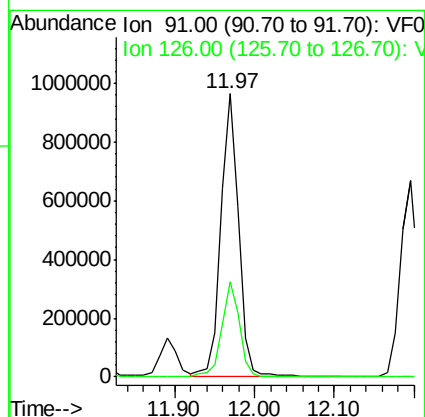
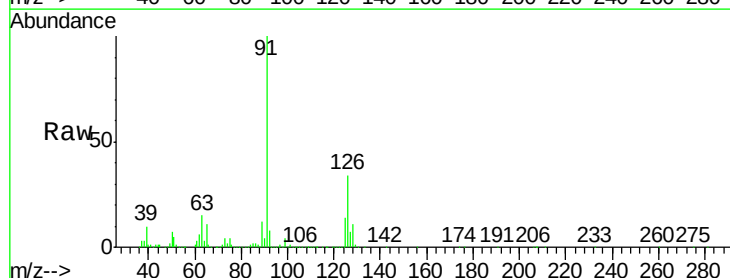
Acq: 7 Jul 2018 4:50

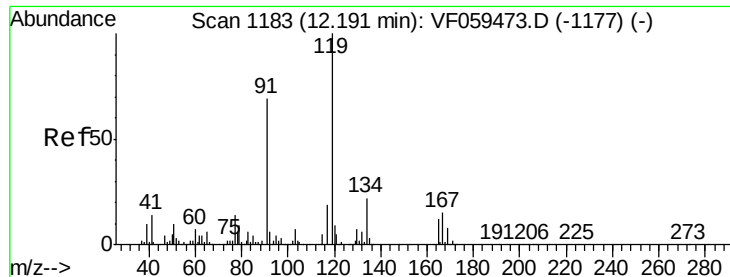
Tgt Ion: 91 Resp: 1512372

Ion Ratio Lower Upper

91 100

126 33.7 14.9 44.5





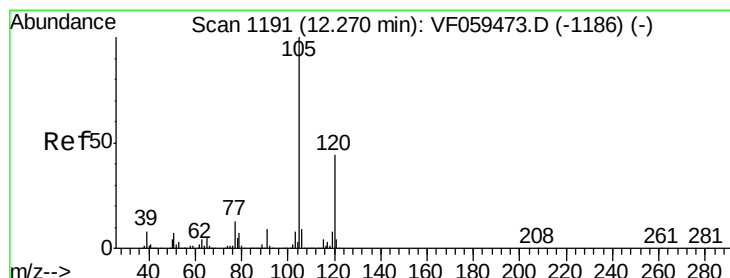
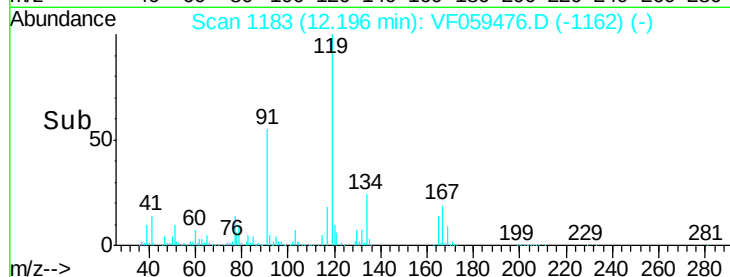
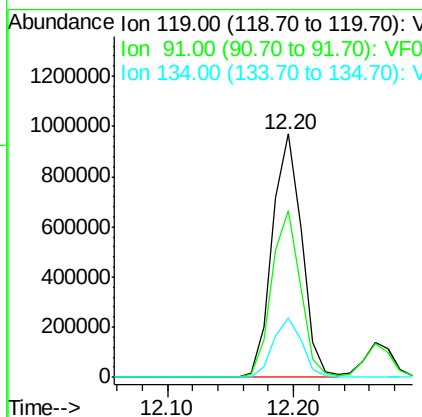
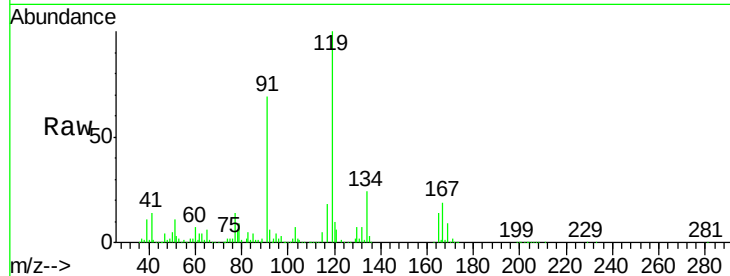
#83  
 tert-Butylbenzene  
 Concen: 137.64 ug/l  
 RT: 12.20 min Scan# 1183  
 Delta R.T. 0.01 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC150

Tot Ion:119 Resp: 1581302  
 Ion Ratio Lower Upper  
 119 100  
 91 68.8 34.4 103.3  
 134 24.5 10.8 32.4

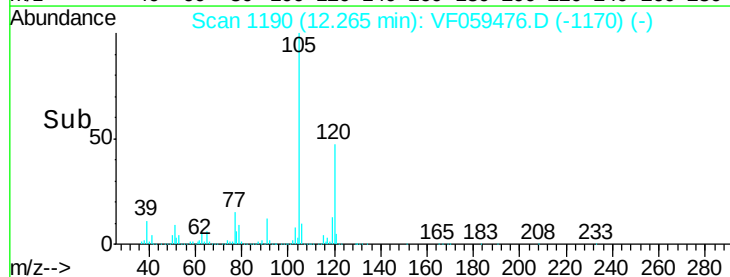
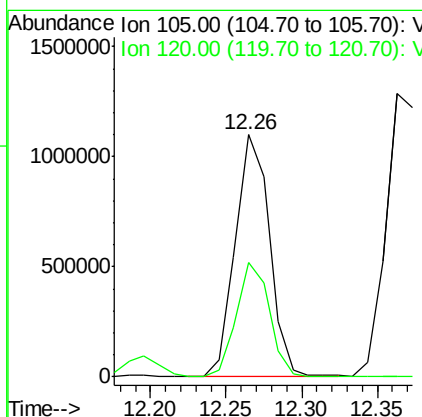
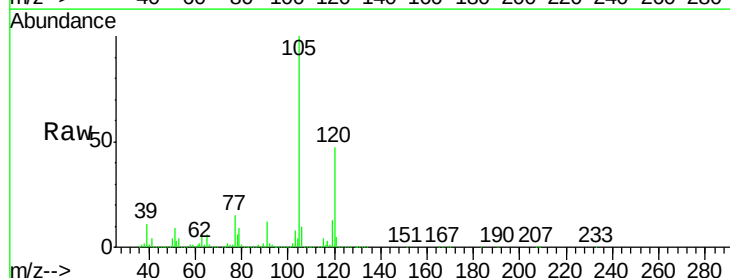
Manual Integrations  
 APPROVED

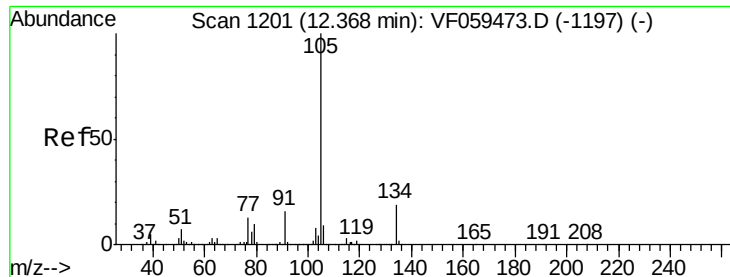
apatel  
 7/9/2018 9:34:49 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 142.87 ug/l  
 RT: 12.26 min Scan# 1190  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Tgt Ion:105 Resp: 1732879  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 140.39 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2151637

Ion Ratio Lower Upper

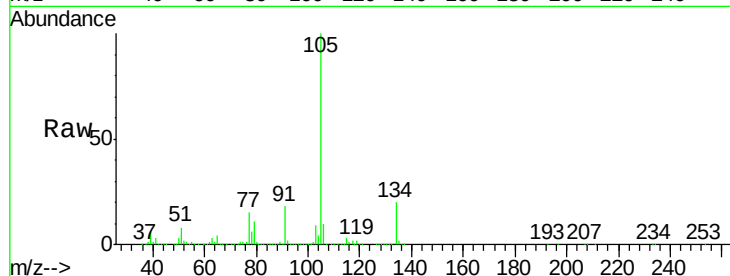
105 100

134 20.1 9.6 28.6

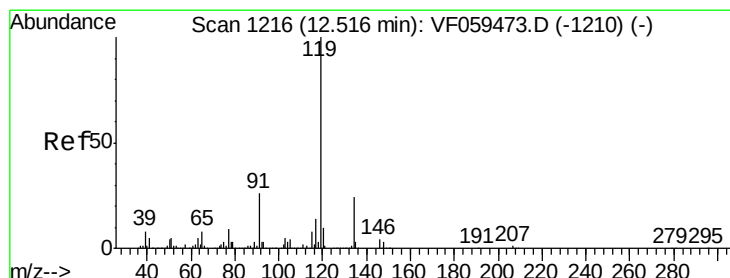
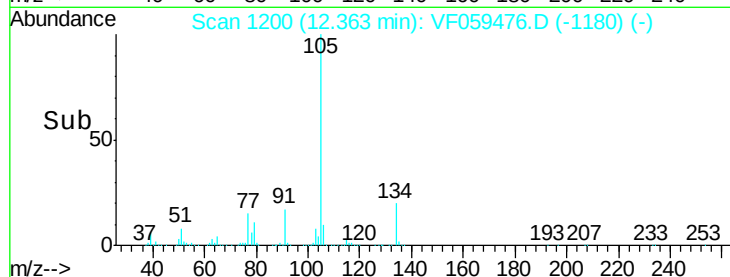
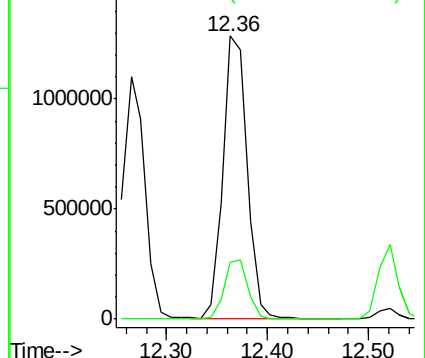
Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 139.13 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

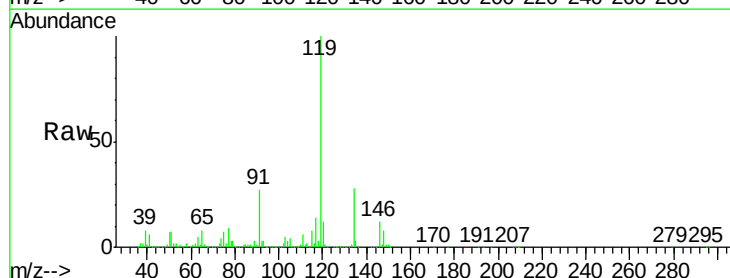
Tgt Ion:119 Resp: 1794153

Ion Ratio Lower Upper

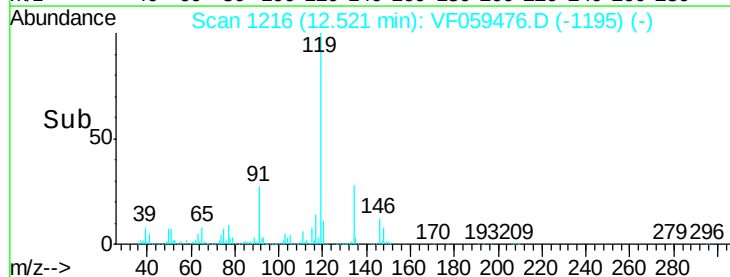
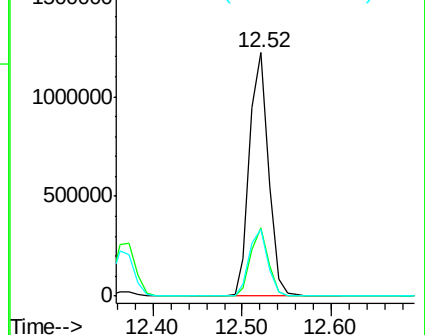
119 100

134 27.9 12.2 36.4

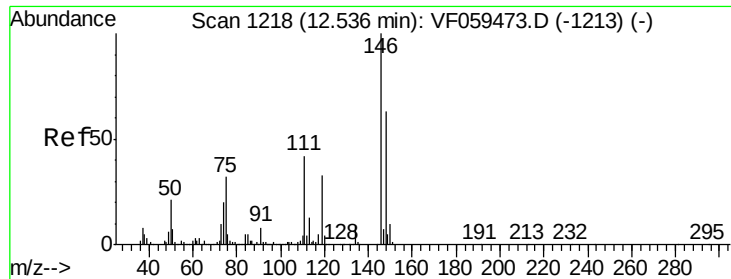
91 27.5 13.1 39.3



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): VF0







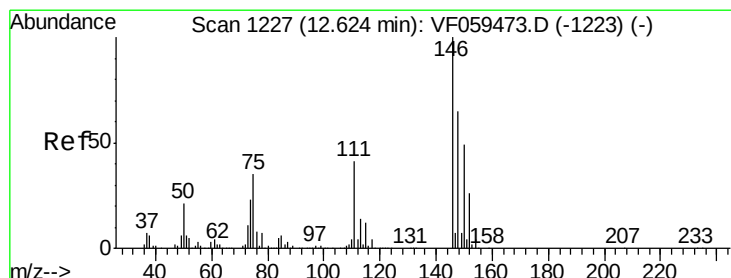
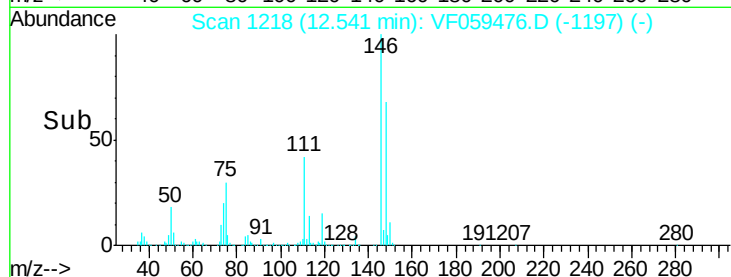
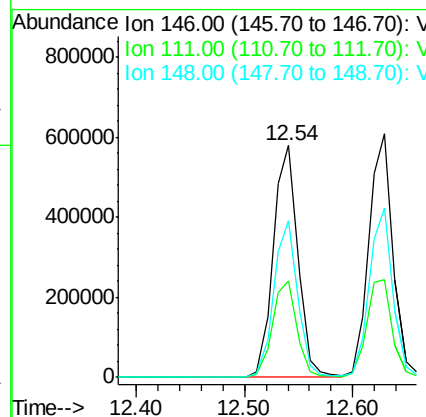
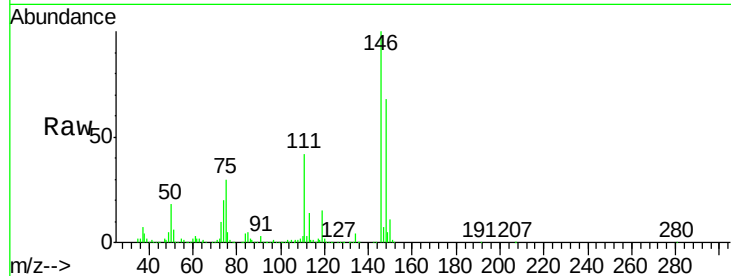
#87  
 1,3-Dichlorobenzene  
 Concen: 135.34 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.01 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.8  | 21.0  | 63.0  |
| 148     | 67.6  | 31.6  | 94.8  |

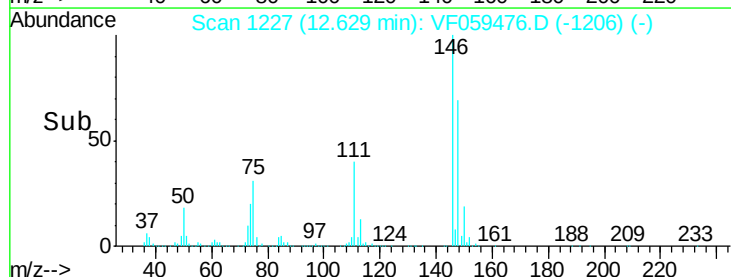
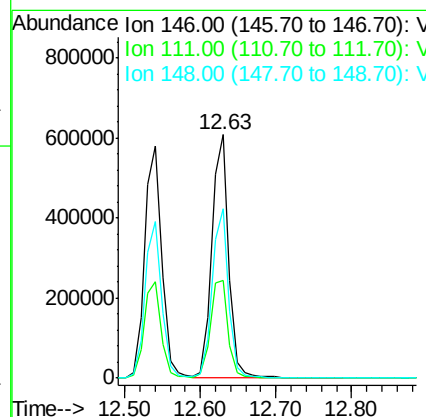
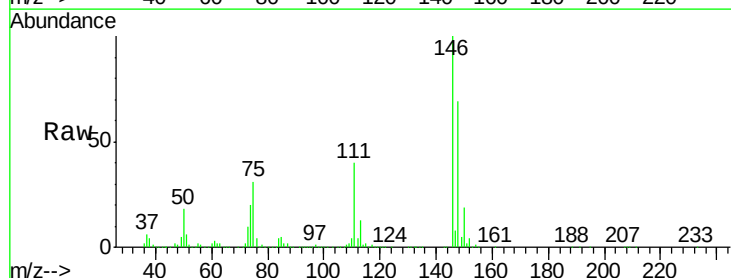
Manual Integrations  
 APPROVED

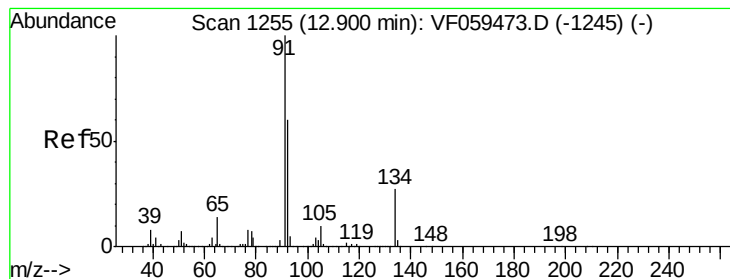
apatel  
 7/9/2018 9:34:49 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 144.59 ug/l  
 RT: 12.63 min Scan# 1227  
 Delta R.T. 0.01 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 20.8  | 62.2  |
| 148     | 69.4  | 32.6  | 97.8  |





#89

n-Butylbenzene

Concen: 126.30 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1653719

Ion Ratio Lower Upper

91 100

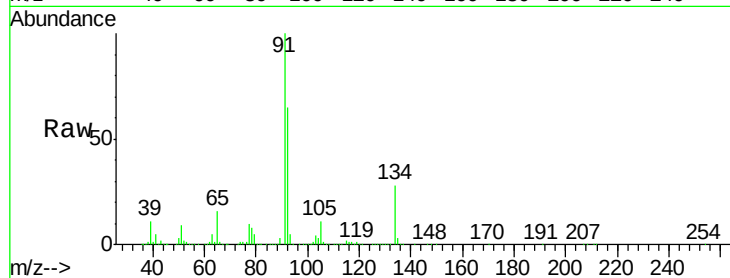
92 64.5 30.0 90.1

134 28.0 13.3 39.9

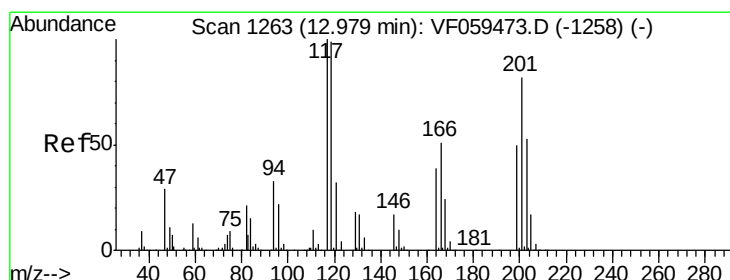
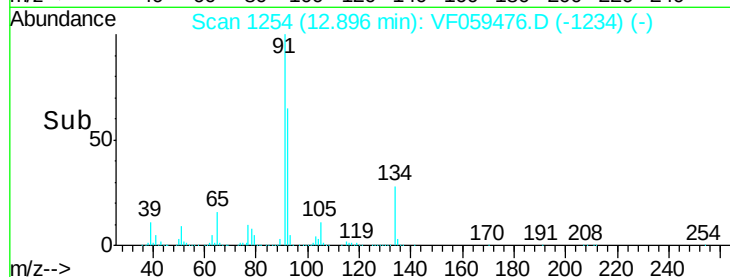
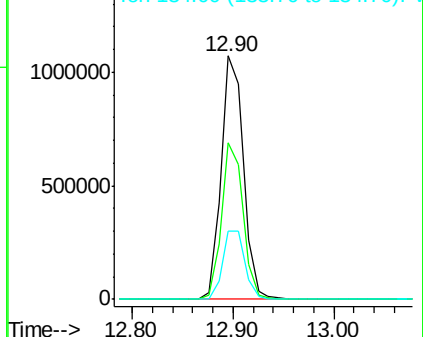
Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0  
Ion 92.00 (91.70 to 92.70): VF0  
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 148.24 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF059476.D

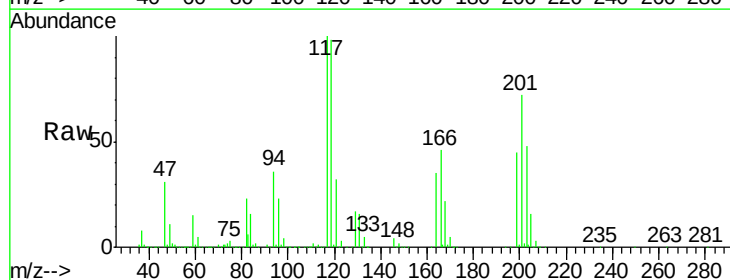
Acq: 7 Jul 2018 4:50

Tgt Ion: 117 Resp: 477822

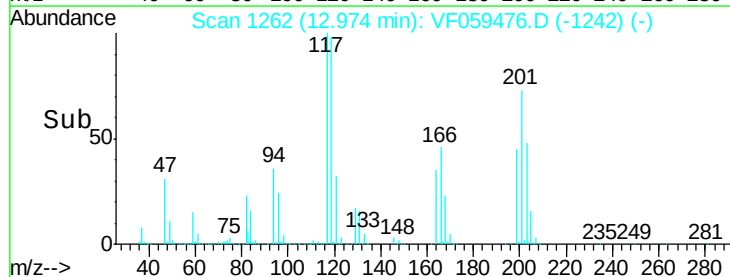
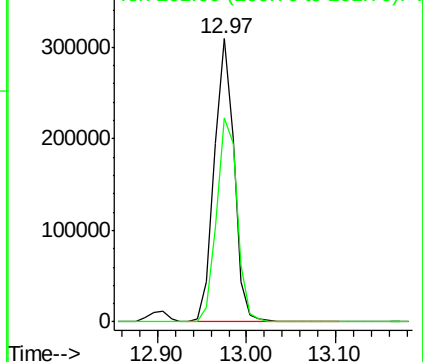
Ion Ratio Lower Upper

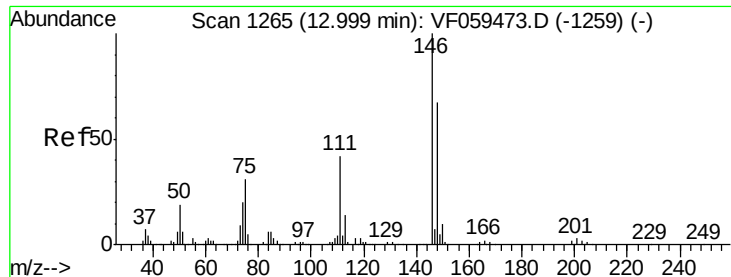
117 100

201 72.2 40.6 121.8



Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 201.00 (200.70 to 201.70): V





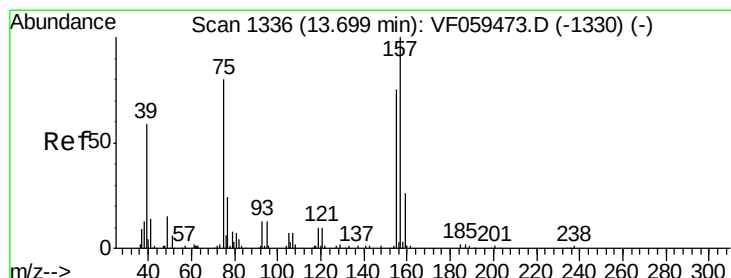
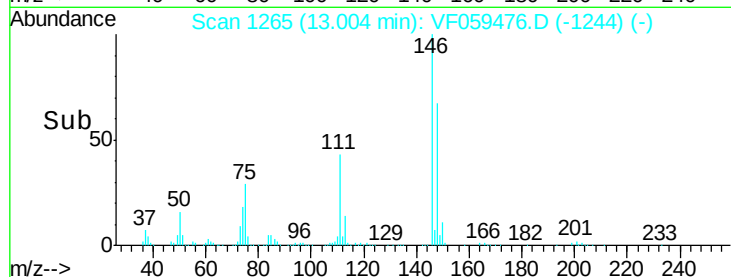
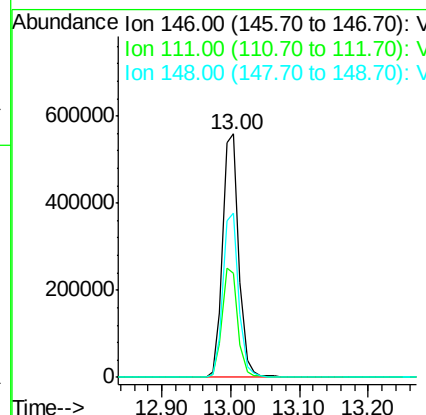
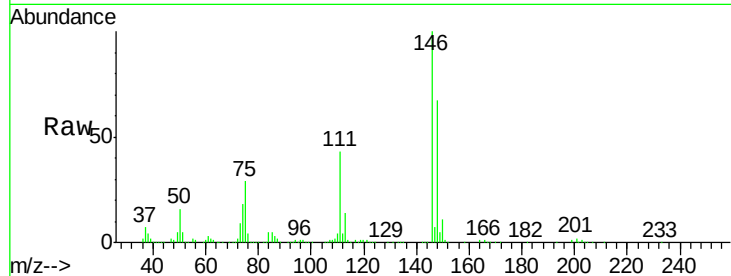
#91  
 1,2-Dichlorobenzene  
 Concen: 138.19 ug/l  
 RT: 13.00 min Scan# 1265  
 Delta R.T. 0.01 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.7  | 21.2  | 63.6  |
| 148     | 67.3  | 33.3  | 99.9  |

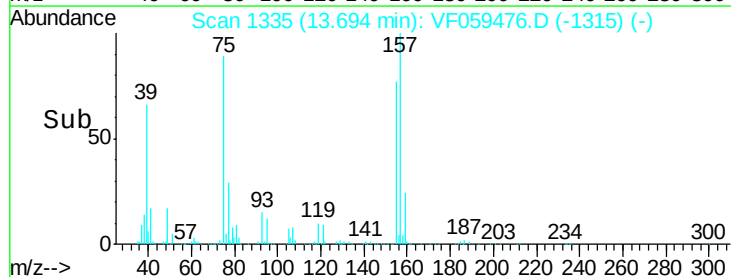
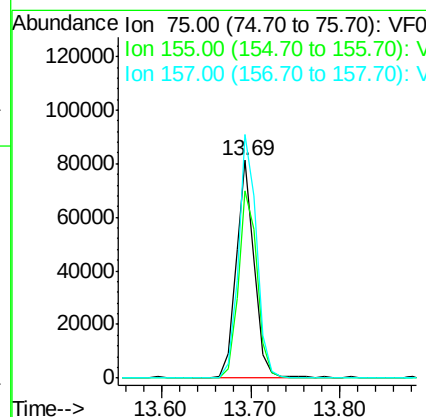
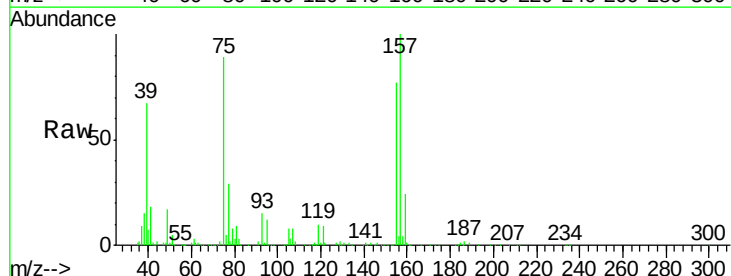
Manual Integrations  
 APPROVED

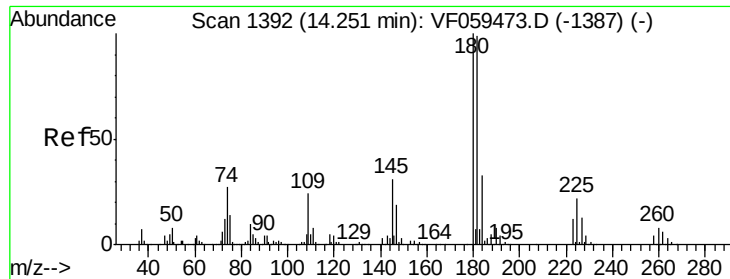
apatel  
 7/9/2018 9:34:49 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 157.29 ug/l  
 RT: 13.69 min Scan# 1335  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.3  | 47.3  | 141.8 |
| 157     | 112.0 | 62.6  | 187.8 |





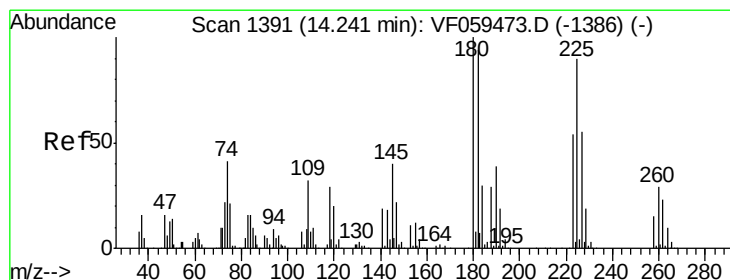
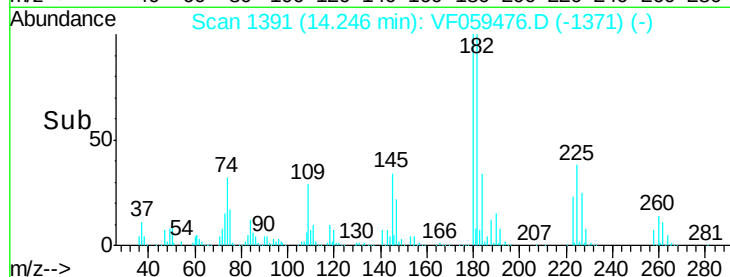
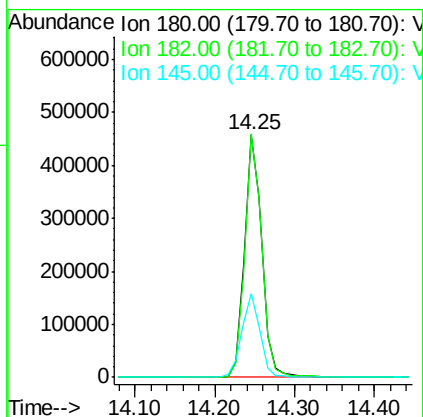
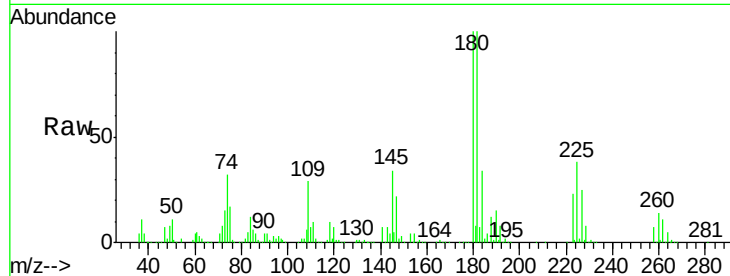
#93  
 1,2,4-Trichlorobenzene  
 Concen: 139.82 ug/l  
 RT: 14.25 min Scan# 1391  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 685624 |       |       |
| 182     | 100.3 | 49.5   | 148.7 |       |
| 145     | 34.4  | 15.4   | 46.2  |       |

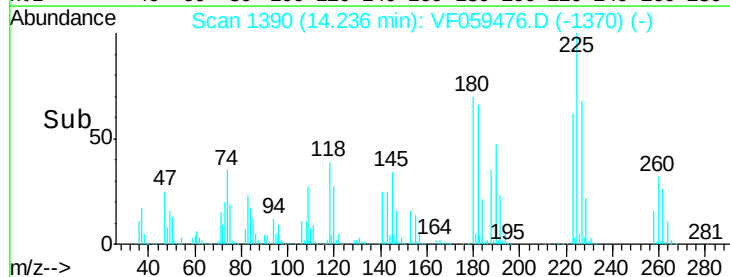
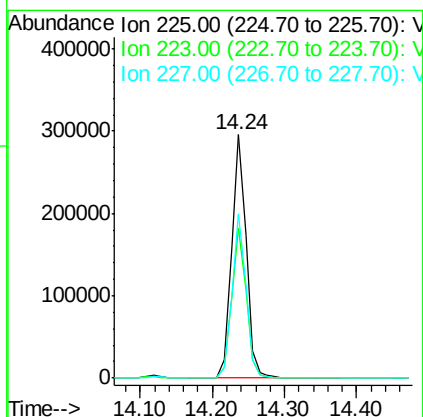
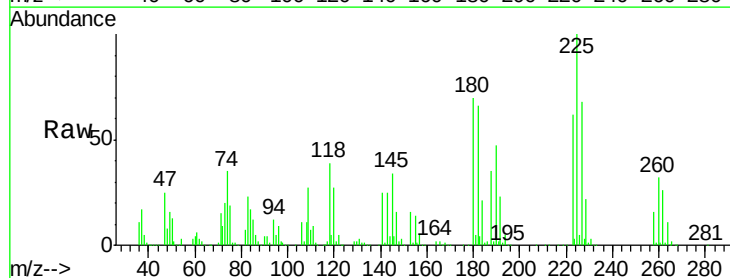
Manual Integrations  
 APPROVED

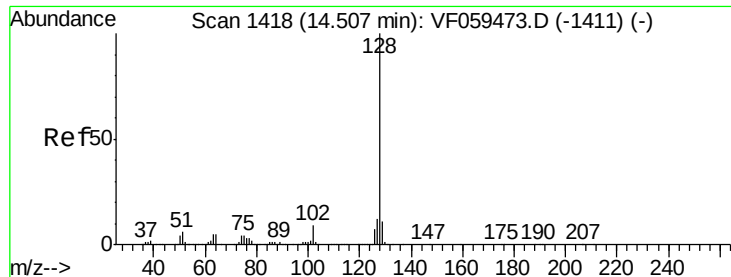
apatel  
 7/9/2018 9:34:49 AM



#94  
 Hexachlorobutadiene  
 Concen: 148.07 ug/l  
 RT: 14.24 min Scan# 1390  
 Delta R.T. -0.00 min  
 Lab File: VF059476.D  
 Acq: 7 Jul 2018 4:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 416388 |       |       |
| 223     | 61.8  | 30.1   | 90.5  |       |
| 227     | 67.7  | 30.8   | 92.4  |       |





#95

Naphthalene

Concen: 152.80 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1569198

Ion Ratio Lower Upper

128 100

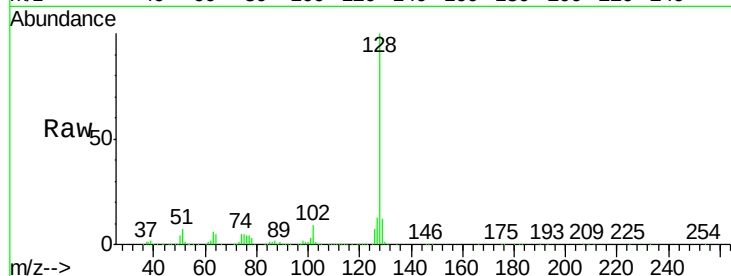
127 12.7 9.9 14.9

129 12.2 9.0 13.6

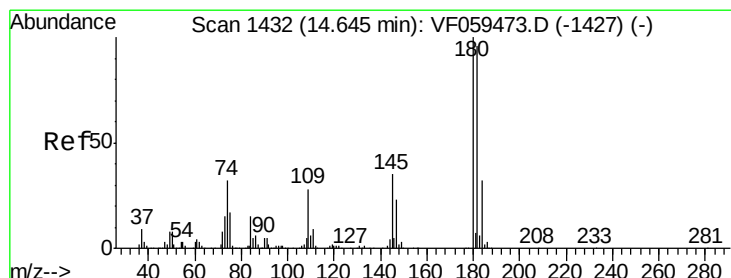
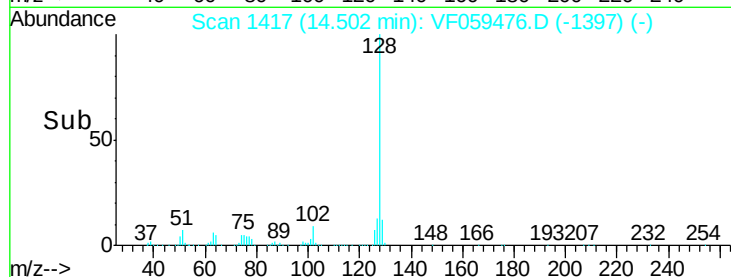
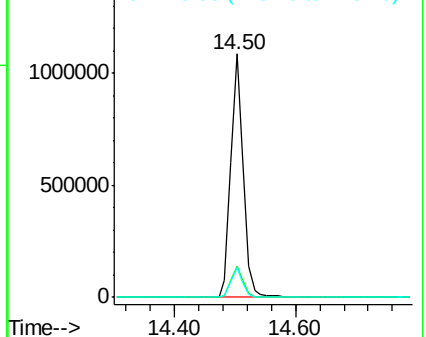
Manual Integrations  
APPROVED

apatel

7/9/2018 9:34:49 AM



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 150.19 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF059476.D

Acq: 7 Jul 2018 4:50

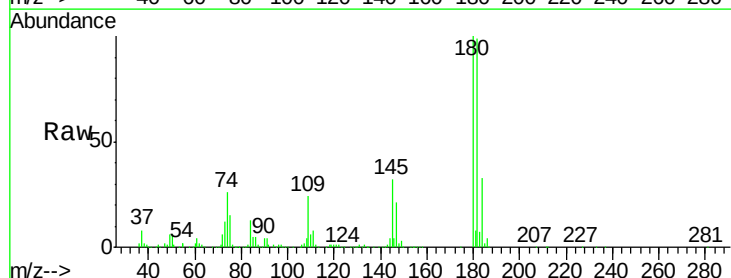
Tgt Ion:180 Resp: 701176

Ion Ratio Lower Upper

180 100

182 99.0 47.9 143.7

145 31.9 17.5 52.5



Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V

