

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF031619\  
 Data File : VF061987.D  
 Acq On : 16 Mar 2019 21:21  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 18 07:38:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F031619S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 18 07:28:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.85  | 168  | 237331   | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 5.59  | 114  | 365684   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 9.77  | 117  | 324275   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152  | 166182   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |       |
|-----------------------------|--------|-----|----------|-------|--------|-------|
| System Monitoring Compounds |        |     |          |       |        |       |
| 33) 1,2-Dichloroethane-d4   | 4.83   | 65  | 78300    | 45.83 | ug/l   | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.66% |       |
| 35) Dibromofluoromethane    | 4.09   | 113 | 109556   | 44.61 | ug/l   | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.22% |       |
| 50) Toluene-d8              | 7.54   | 98  | 308336   | 42.95 | ug/l   | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 85.90% |       |
| 62) 4-Bromofluorobenzene    | 11.41  | 95  | 118114   | 41.42 | ug/l   | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 82.84% |       |

| Target Compounds              |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.94 | 85  | 117627 | 46.492  | ug/l   | 92     |
| 3) Chloromethane              | 1.07 | 50  | 122006 | 47.453  | ug/l   | 93     |
| 4) Vinyl Chloride             | 1.12 | 62  | 121324 | 48.791  | ug/l   | 94     |
| 5) Bromomethane               | 1.31 | 94  | 88244  | 50.516  | ug/l   | 100    |
| 6) Chloroethane               | 1.37 | 64  | 62254  | 48.496  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.47 | 101 | 170206 | 51.666  | ug/l   | 93     |
| 8) Diethyl Ether              | 1.61 | 74  | 38489  | 52.555  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.81 | 101 | 109998 | 47.391  | ug/l   | 98     |
| 10) Methyl Iodide             | 1.88 | 142 | 162479 | 39.996  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 2.55 | 59  | 24228  | 231.761 | ug/l   | 95     |
| 12) 1,1-Dichloroethene        | 1.77 | 96  | 94469  | 47.162  | ug/l   | 94     |
| 13) Acrolein                  | 1.98 | 56  | 25342  | 224.559 | ug/l   | 91     |
| 14) Allyl chloride            | 2.08 | 41  | 130316 | 50.966  | ug/l   | 93     |
| 15) Acrylonitrile             | 2.92 | 53  | 75279  | 236.803 | ug/l   | 90     |
| 16) Acetone                   | 2.22 | 43  | 81857  | 213.376 | ug/l   | 95     |
| 17) Carbon Disulfide          | 1.81 | 76  | 281321 | 48.562  | ug/l # | 93     |
| 18) Methyl Acetate            | 2.41 | 43  | 43221  | 55.069  | ug/l # | 88     |
| 19) Methyl tert-butyl Ether   | 2.41 | 73  | 174023 | 47.945  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.21 | 84  | 56959  | 28.839  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 2.29 | 96  | 100426 | 48.043  | ug/l   | 98     |
| 22) Diisopropyl ether         | 2.78 | 45  | 283541 | 46.102  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.17 | 43  | 643393 | 265.372 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 2.86 | 63  | 174004 | 48.657  | ug/l   | 99     |
| 25) 2-Butanone                | 4.32 | 43  | 179332 | 236.037 | ug/l # | 90     |
| 26) 2,2-Dichloropropane       | 3.58 | 77  | 76702  | 45.472  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 3.46 | 96  | 132223 | 50.186  | ug/l   | 96     |
| 28) Bromochloromethane        | 3.69 | 49  | 70844  | 47.743  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 4.06 | 42  | 76863  | 232.624 | ug/l   | 96     |
| 30) Chloroform                | 3.84 | 83  | 204599 | 50.495  | ug/l   | 91     |
| 31) Cyclohexane               | 3.67 | 56  | 173021 | 49.383  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 4.07 | 97  | 145873 | 54.210  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 4.26 | 75  | 164211 | 49.726  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.10 | 43  | 66045  | 44.542  | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 3.97 | 117 | 125432 | 51.973  | ug/l   | 95     |

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 Sample : VSTDCCC050  
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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VSTDCCC050EC

Quant Time: Mar 18 07:38:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F031619S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 18 07:28:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.44  | 83   | 187696   | 48.415  | ug/l   | 92       |
| 40) Benzene                    | 4.61  | 78   | 430098   | 49.152  | ug/l   | 96       |
| 41) Methacrylonitrile          | 4.72  | 41   | 38807    | 48.986  | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 4.93  | 62   | 109014   | 50.046  | ug/l   | 95       |
| 43) Isopropyl Acetate          | 6.95  | 43   | 87519    | 49.887  | ug/l # | 93       |
| 44) Trichloroethene            | 5.49  | 130  | 125188   | 46.703  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 6.22  | 63   | 100528   | 48.545  | ug/l   | 92       |
| 46) Dibromomethane             | 6.07  | 93   | 65373    | 53.067  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.38  | 83   | 147616   | 50.827  | ug/l # | 96       |
| 48) Methyl methacrylate        | 6.70  | 41   | 54958    | 48.471  | ug/l # | 93       |
| 49) 1,4-Dioxane                | 6.69  | 88   | 9278     | 919.945 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 8.25  | 43   | 303143   | 243.335 | ug/l   | 97       |
| 52) Toluene                    | 7.62  | 92   | 260605   | 48.744  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.27  | 75   | 123353   | 50.309  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.29  | 75   | 167007   | 52.201  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.48  | 97   | 73927    | 49.543  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.61  | 69   | 86185    | 50.809  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.84  | 76   | 120706   | 48.493  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.28  | 63   | 74428    | 242.247 | ug/l   | 90       |
| 59) 2-Hexanone                 | 9.48  | 43   | 202025   | 224.078 | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.70  | 129  | 111667   | 53.905  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 8.98  | 107  | 83014    | 51.864  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.14  | 164  | 115275   | 48.905  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.79  | 112  | 301391   | 49.921  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.92  | 131  | 120237   | 51.378  | ug/l   | 91       |
| 67) Ethyl Benzene              | 9.90  | 91   | 503745   | 48.730  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.12 | 106  | 367211   | 94.448  | ug/l   | 94       |
| 69) o-Xylene                   | 10.71 | 106  | 198570   | 47.730  | ug/l   | 94       |
| 70) Styrene                    | 10.78 | 104  | 276769   | 48.020  | ug/l   | 97       |
| 71) Bromoform                  | 10.76 | 173  | 61204    | 51.705  | ug/l   | 98       |
| 73) Isopropylbenzene           | 11.12 | 105  | 561204   | 48.882  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.37 | 43   | 130965   | 49.784  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.69 | 83   | 97616    | 51.511  | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane     | 11.79 | 75   | 63163    | 47.666  | ug/l   | 98       |
| 77) Bromobenzene               | 11.49 | 156  | 134905   | 50.740  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.59 | 91   | 648905   | 49.155  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.71 | 91   | 368369   | 49.435  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 11.82 | 105  | 465820   | 50.228  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.87 | 75   | 39648    | 67.633  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.90 | 91   | 360595   | 47.853  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.13 | 119  | 493080   | 50.838  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.20 | 105  | 437729   | 47.122  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 12.30 | 105  | 614637   | 46.904  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.45 | 119  | 538958   | 49.289  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 12.47 | 146  | 253828   | 48.575  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.56 | 146  | 246993   | 49.108  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.83 | 91   | 509441   | 49.581  | ug/l   | 96       |
| 90) Hexachloroethane           | 12.91 | 117  | 128079   | 51.327  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.93 | 146  | 233218   | 48.187  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75   | 14423    | 47.428  | ug/l   | 63       |

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Acq On : 16 Mar 2019 21:21  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 20 Sample Multiplier: 1

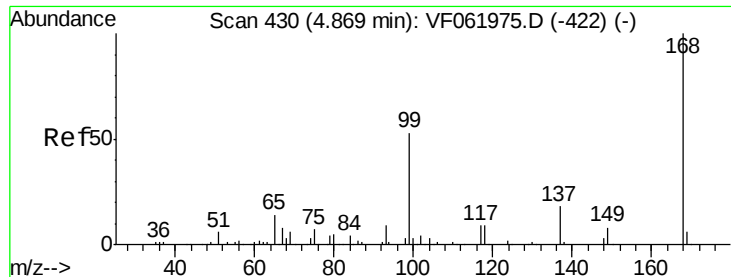
Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Mar 18 07:38:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F031619S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 18 07:28:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.20 | 180  | 165777   | 49.188 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.19 | 225  | 111903   | 50.014 | ug/l  | 96       |
| 95) Naphthalene            | 14.45 | 128  | 303806   | 50.120 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.60 | 180  | 158007   | 50.959 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

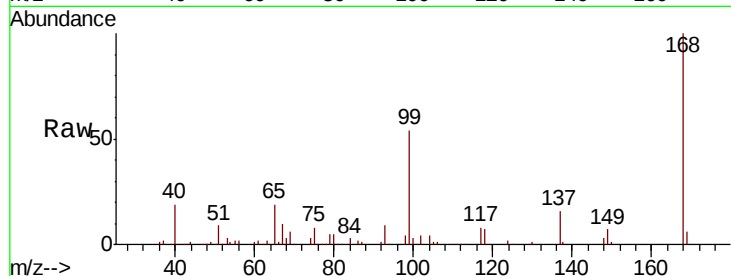
VSTDCCC050EC

Tgt Ion:168 Resp: 237331

Ion Ratio Lower Upper

168 100

99 54.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

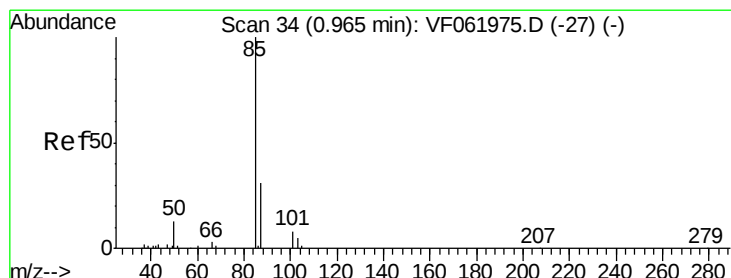
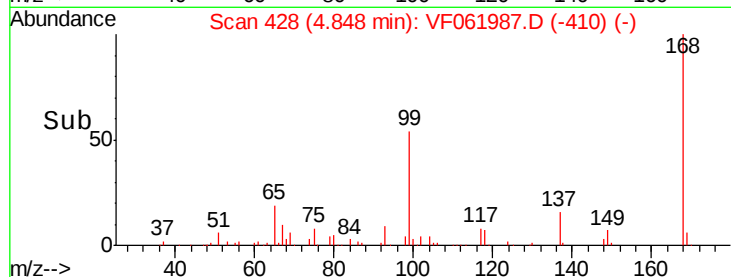
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.492 ug/l

RT: 0.94 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF061987.D

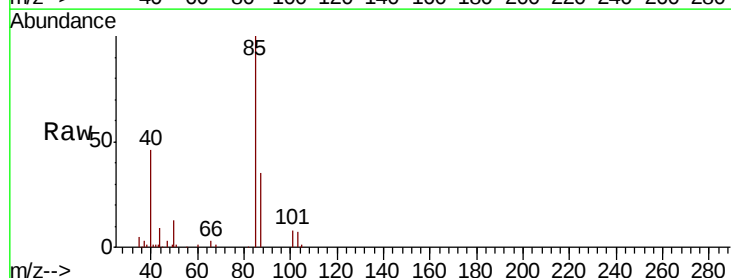
Acq: 16 Mar 2019 21:21

Tgt Ion: 85 Resp: 117627

Ion Ratio Lower Upper

85 100

87 35.4 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

40000

30000

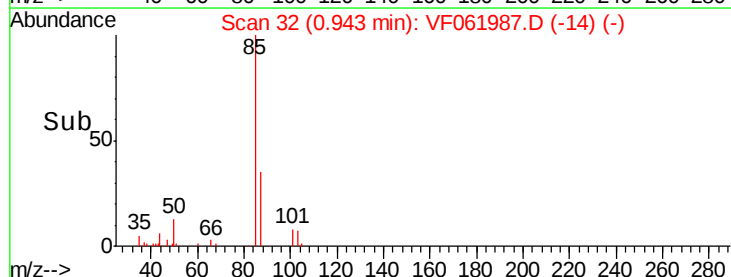
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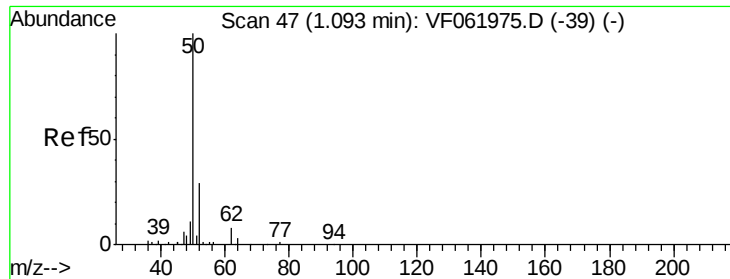
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0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 47.453 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

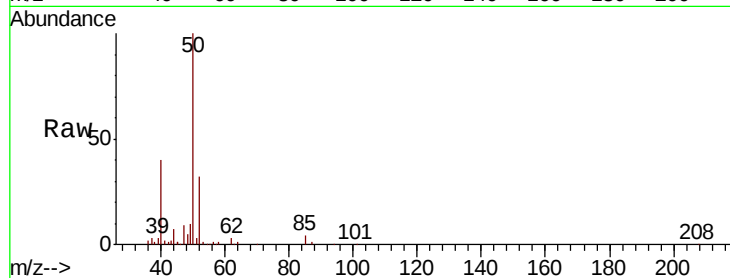
VSTDCCC050EC

Tgt Ion: 50 Resp: 122006

Ion Ratio Lower Upper

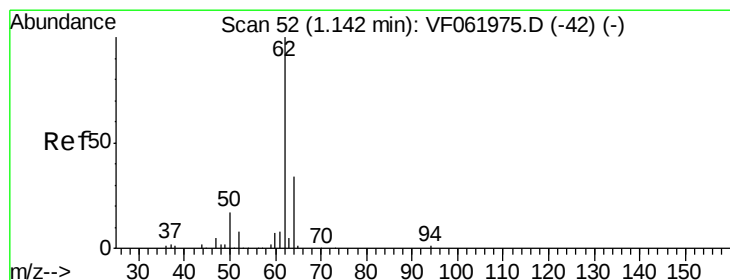
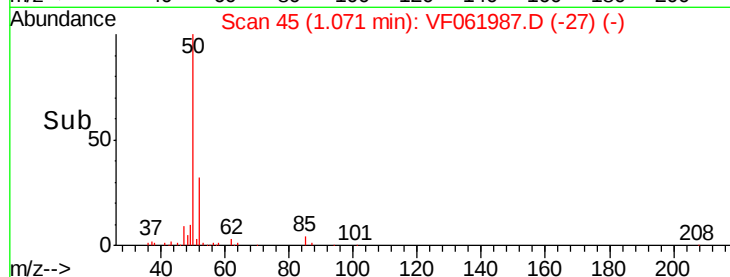
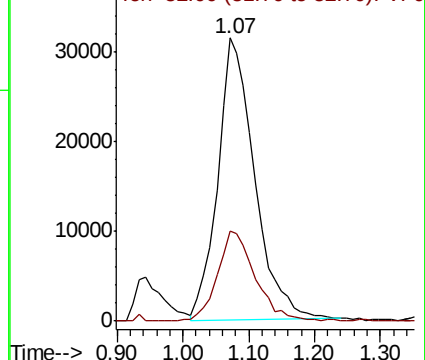
50 100

52 31.8 22.6 34.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.791 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061987.D

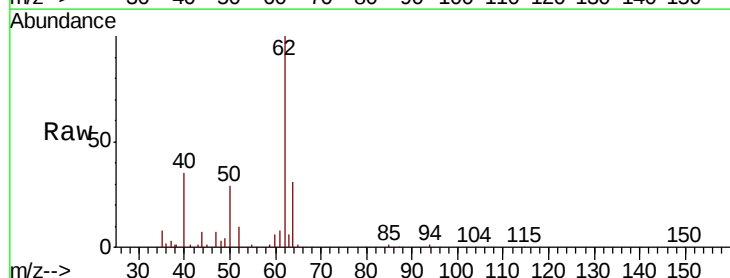
Acq: 16 Mar 2019 21:21

Tgt Ion: 62 Resp: 121324

Ion Ratio Lower Upper

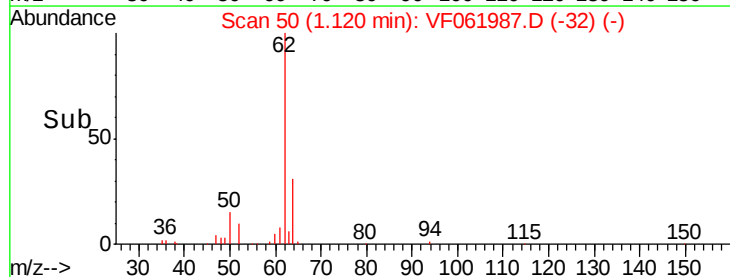
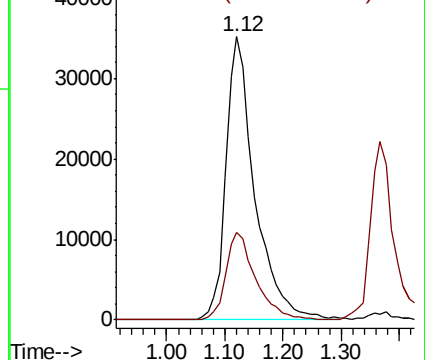
62 100

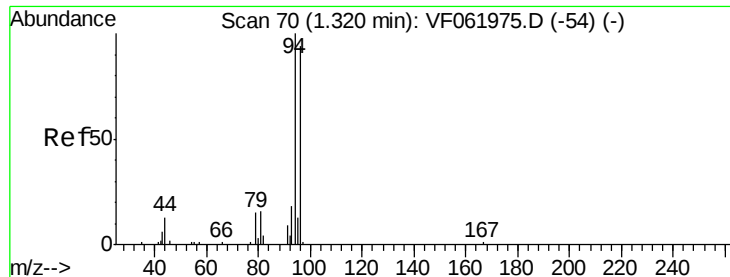
64 30.9 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 50.516 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

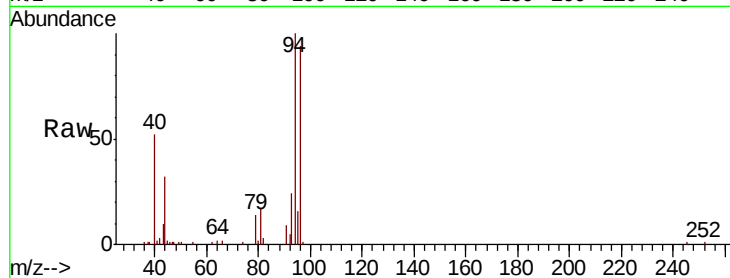
VSTDCCC050EC

Tgt Ion: 94 Resp: 88244

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

20000

15000

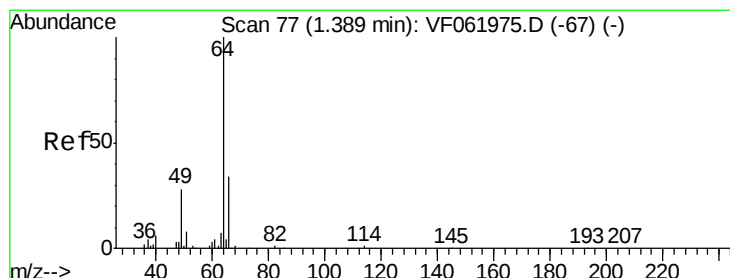
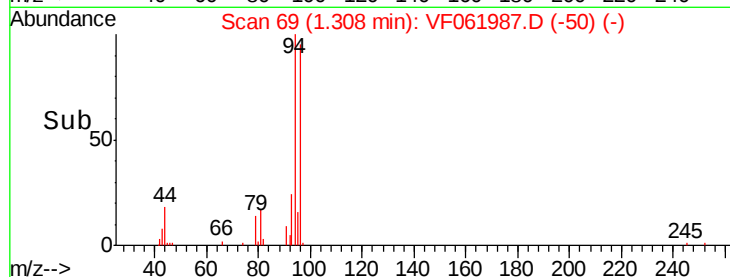
10000

5000

0

Time-->

1.10 1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 48.496 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061987.D

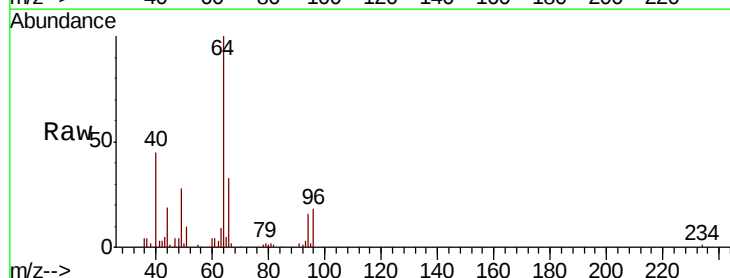
Acq: 16 Mar 2019 21:21

Tgt Ion: 64 Resp: 62254

Ion Ratio Lower Upper

64 100

66 32.6 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.37

25000

20000

15000

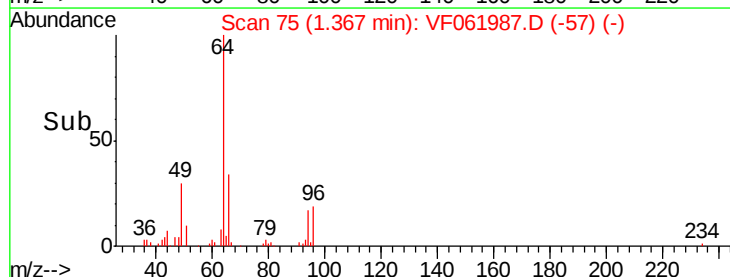
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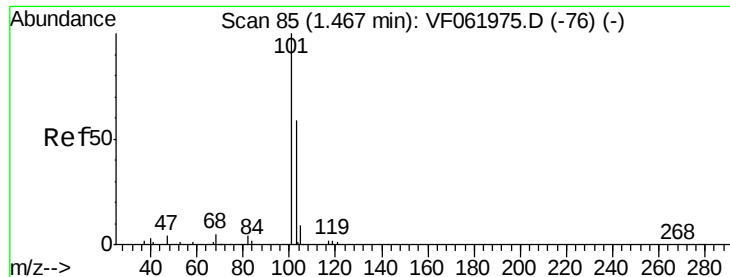
5000

0

Time-->

1.20 1.30 1.40 1.50





#7

Trichlorofluoromethane

Concen: 51.666 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

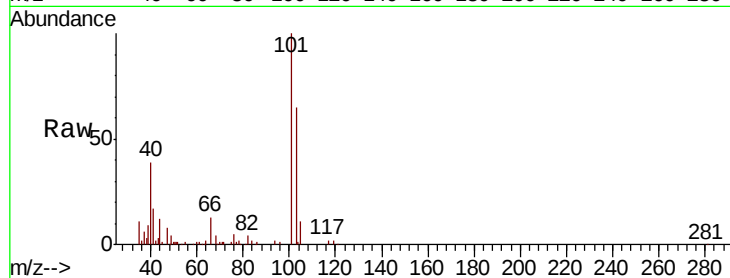
VSTDCCC050EC

Tgt Ion:101 Resp: 170206

Ion Ratio Lower Upper

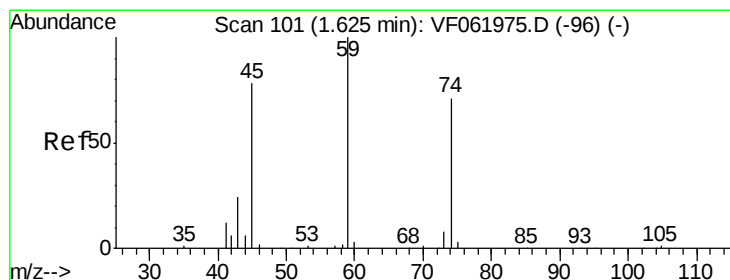
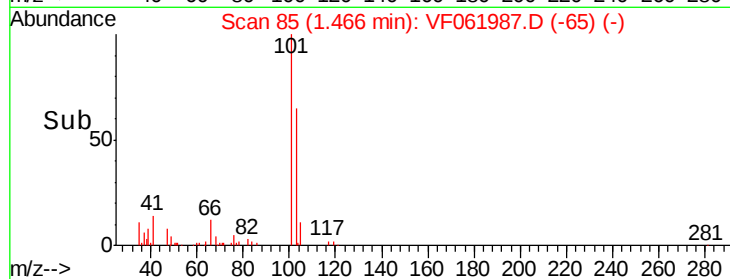
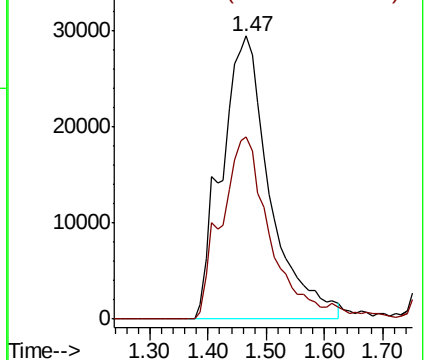
101 100

103 64.5 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.555 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061987.D

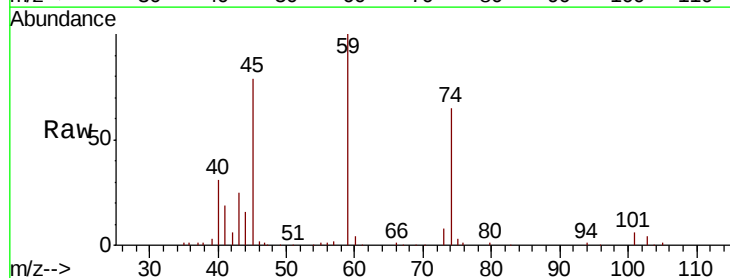
Acq: 16 Mar 2019 21:21

Tgt Ion: 74 Resp: 38489

Ion Ratio Lower Upper

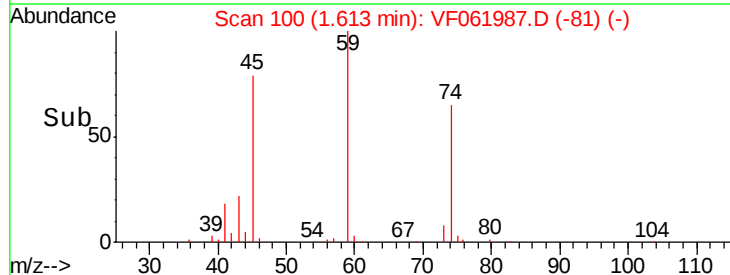
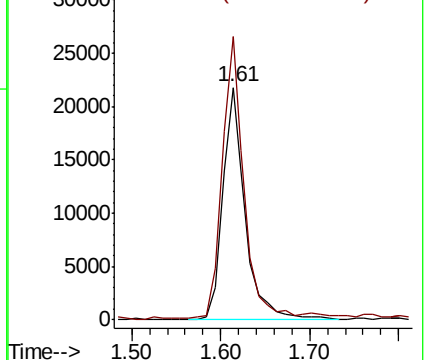
74 100

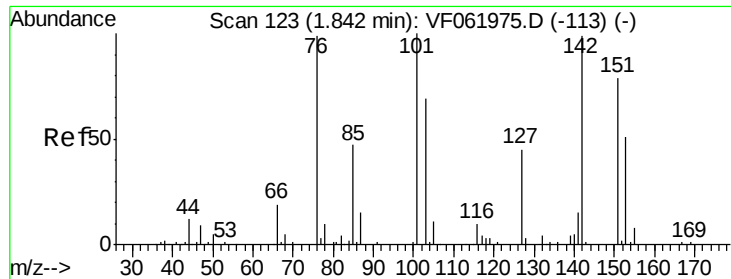
45 121.8 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

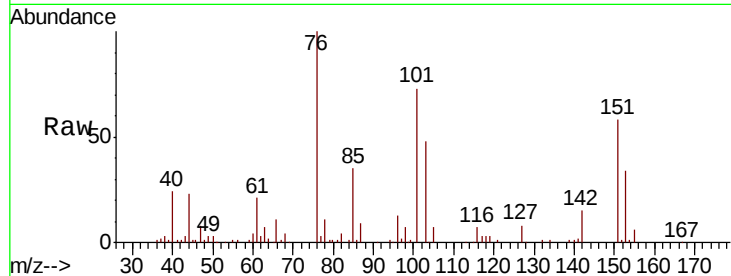




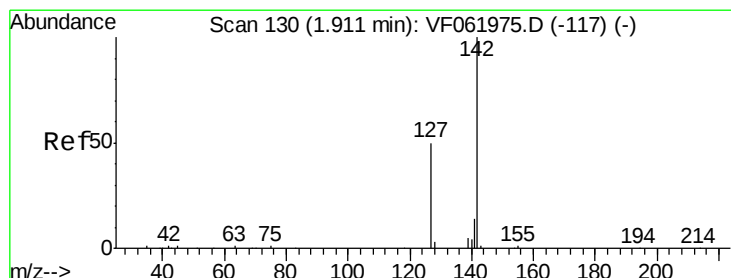
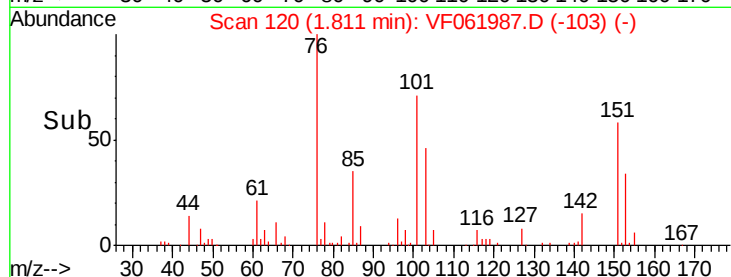
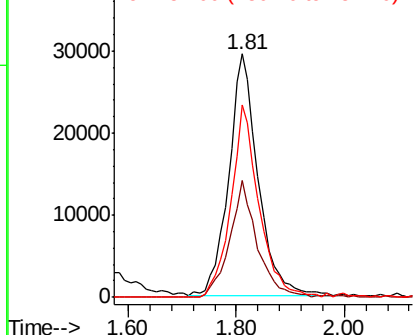
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 47.391 ug/l  
 RT: 1.81 min Scan# 120  
 Delta R.T. -0.03 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:101 Resp: 109998  
 Ion Ratio Lower Upper  
 101 100  
 85 47.9 36.8 55.2  
 151 79.2 62.2 93.2

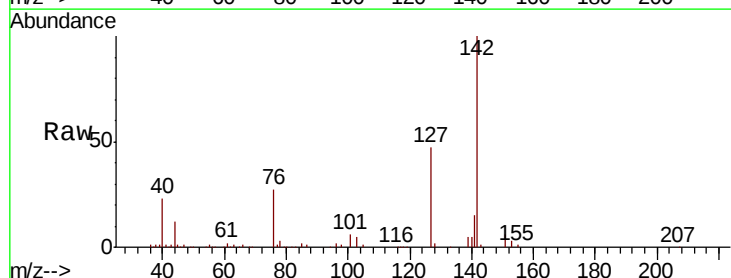


Abundance Ion 101.00 (100.70 to 101.70): V  
 Ion 85.00 (84.70 to 85.70): VF0  
 Ion 151.00 (150.70 to 151.70): V

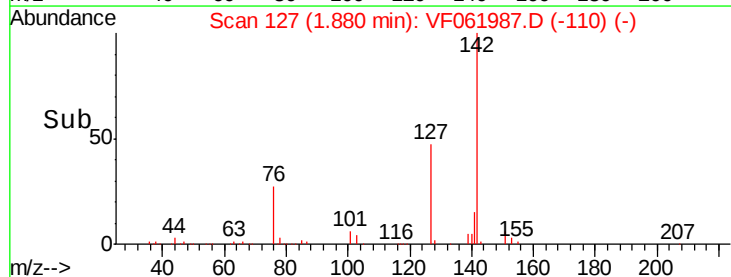
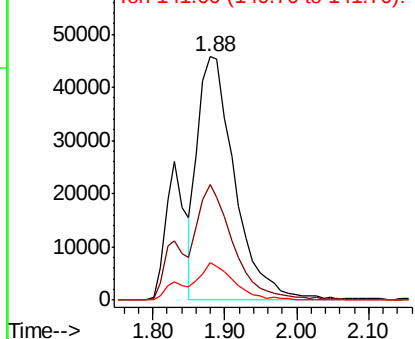


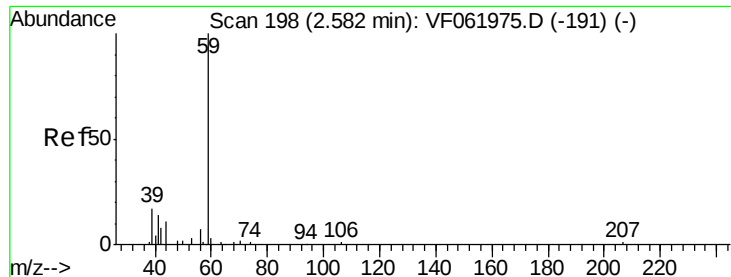
#10  
 Methyl Iodide  
 Concen: 39.996 ug/l  
 RT: 1.88 min Scan# 127  
 Delta R.T. -0.03 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion:142 Resp: 162479  
 Ion Ratio Lower Upper  
 142 100  
 127 47.4 39.7 59.5  
 141 15.3 10.8 16.2



Abundance Ion 142.00 (141.70 to 142.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 141.00 (140.70 to 141.70): V

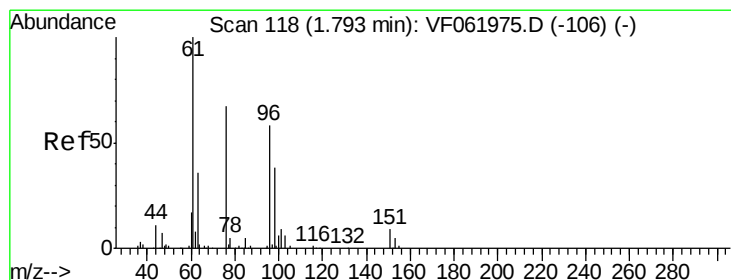
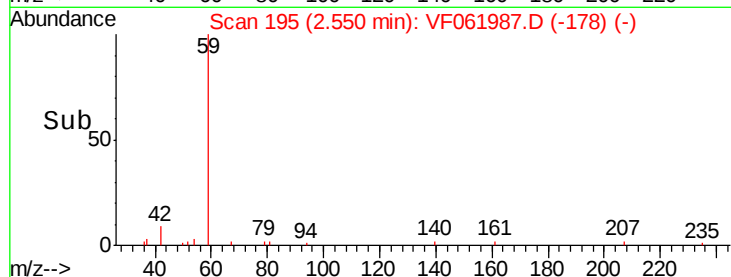
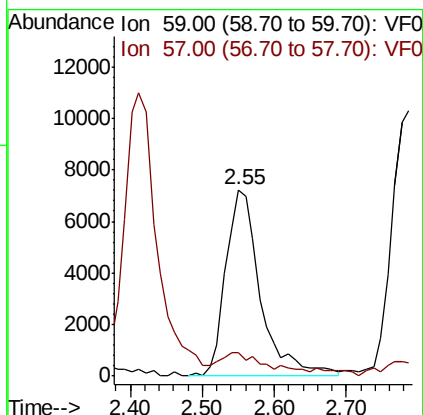
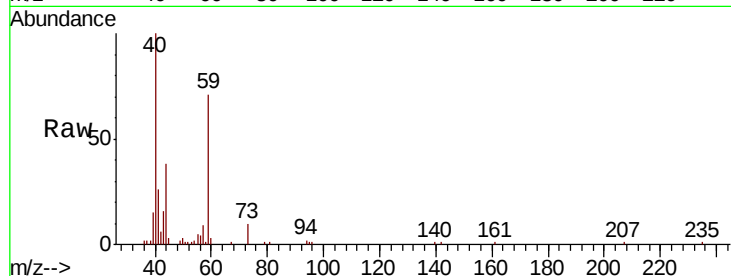




#11  
Tert butyl alcohol  
Concen: 231.761 ug/l  
RT: 2.55 min Scan# 195  
Delta R.T. -0.03 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

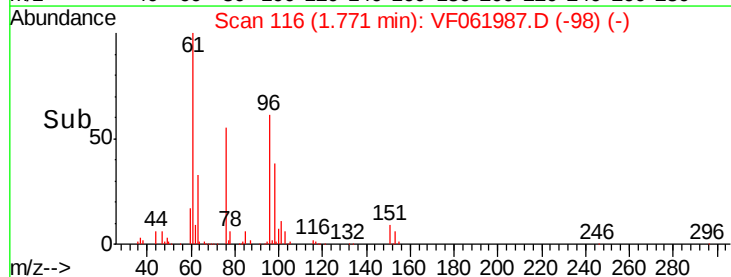
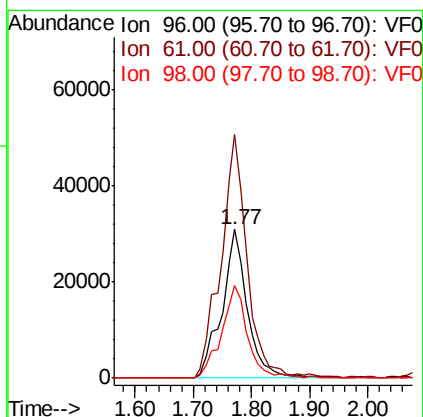
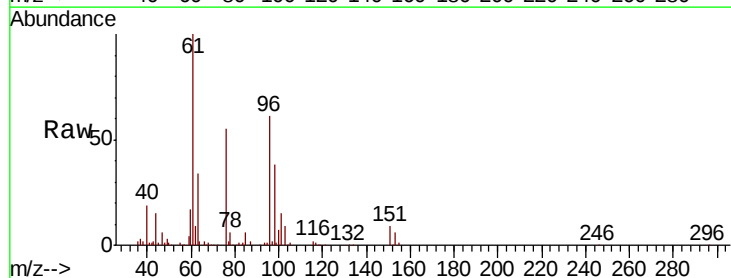
Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

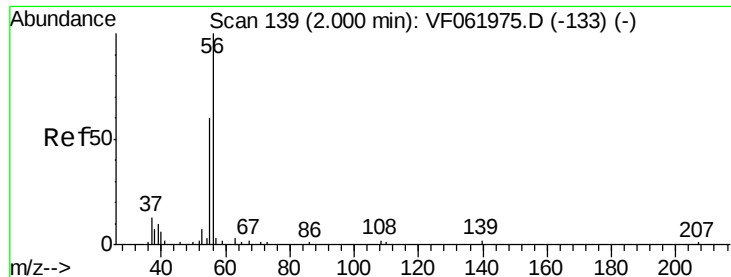
Tgt Ion: 59 Resp: 24228  
Ion Ratio Lower Upper  
59 100  
57 12.7 8.7 13.1



#12  
1,1-Dichloroethene  
Concen: 47.162 ug/l  
RT: 1.77 min Scan# 116  
Delta R.T. -0.02 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion: 96 Resp: 94469  
Ion Ratio Lower Upper  
96 100  
61 163.9 138.6 208.0  
98 62.0 53.2 79.8

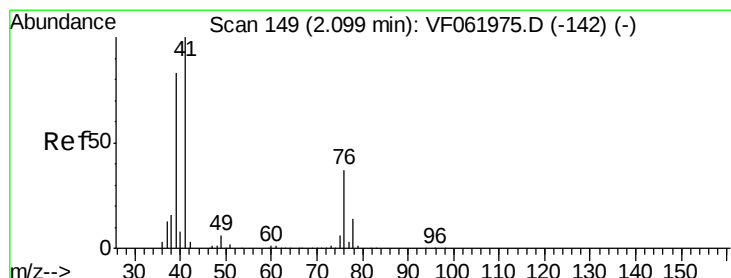
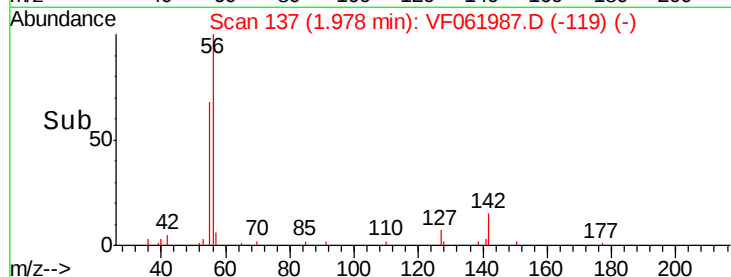
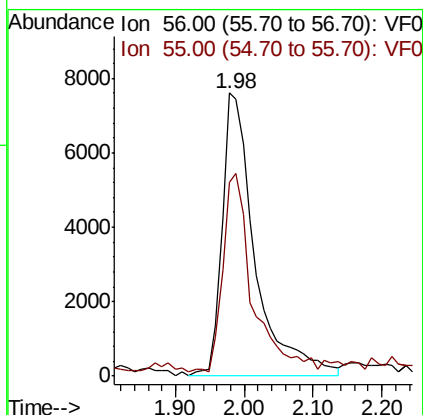
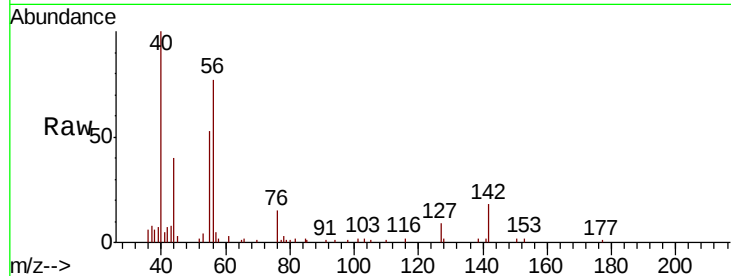




#13  
Acrolein  
Concen: 224.559 ug/l  
RT: 1.98 min Scan# 137  
Delta R.T. -0.02 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

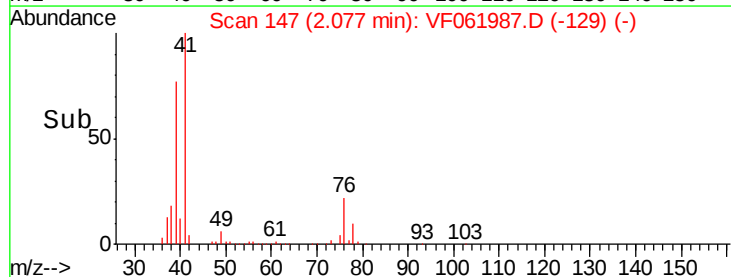
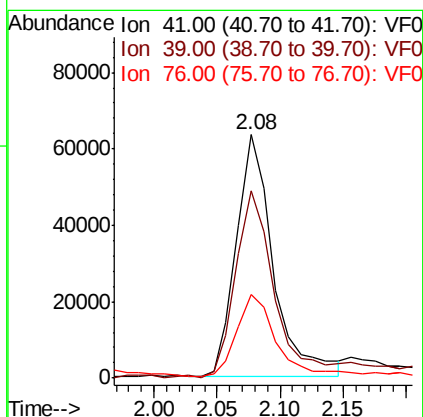
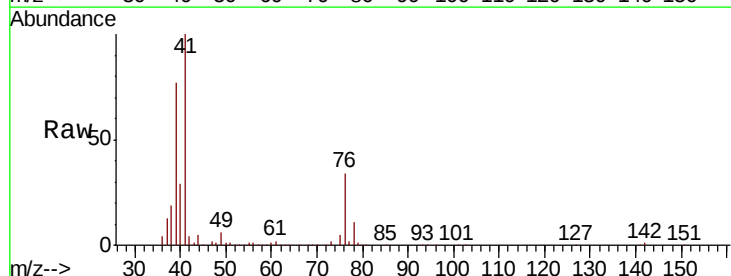
Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

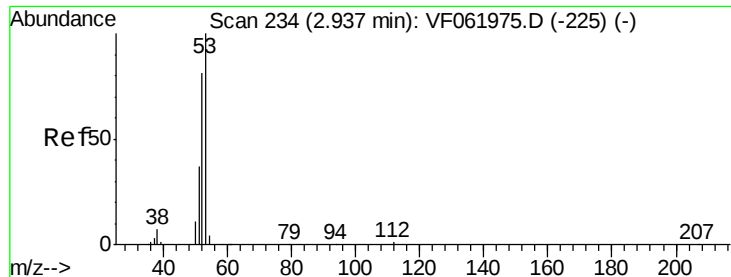
Tgt Ion: 56 Resp: 25342  
Ion Ratio Lower Upper  
56 100  
55 68.4 49.1 73.7



#14  
Allyl chloride  
Concen: 50.966 ug/l  
RT: 2.08 min Scan# 147  
Delta R.T. -0.02 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion: 41 Resp: 130316  
Ion Ratio Lower Upper  
41 100  
39 77.2 66.8 100.2  
76 34.3 31.1 46.7





#15

Acrylonitrile

Concen: 236.803 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

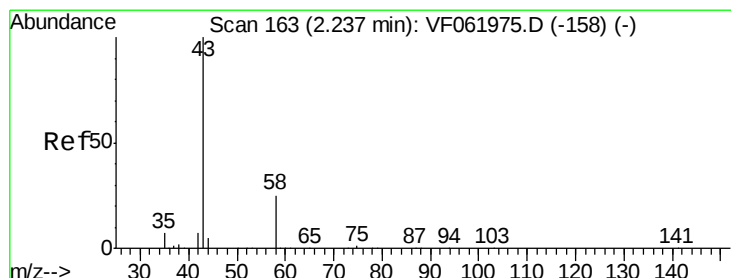
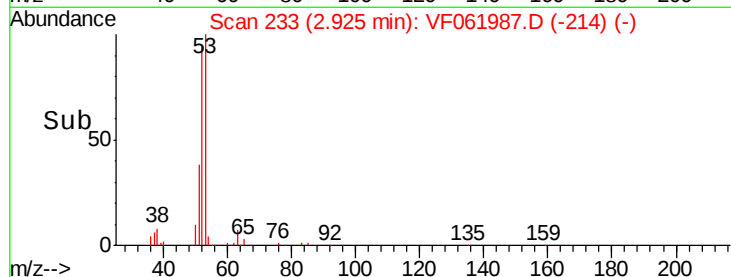
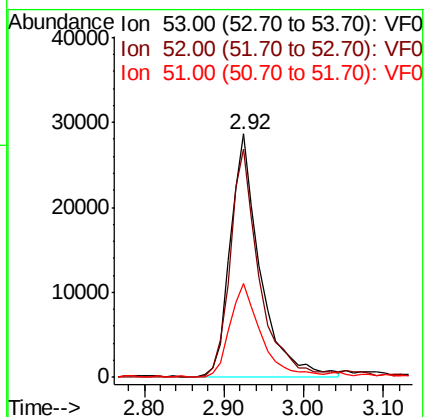
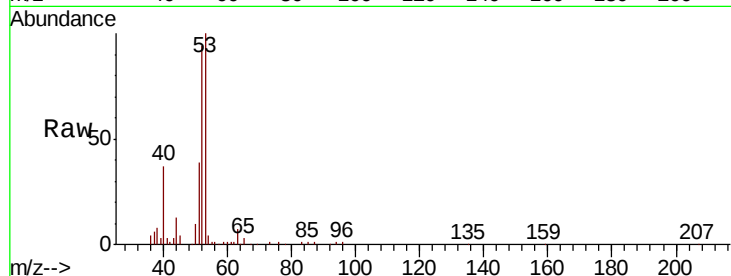
Tgt Ion: 53 Resp: 75279

Ion Ratio Lower Upper

53 100

52 93.6 64.4 96.6

51 38.5 30.3 45.5



#16

Acetone

Concen: 213.376 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061987.D

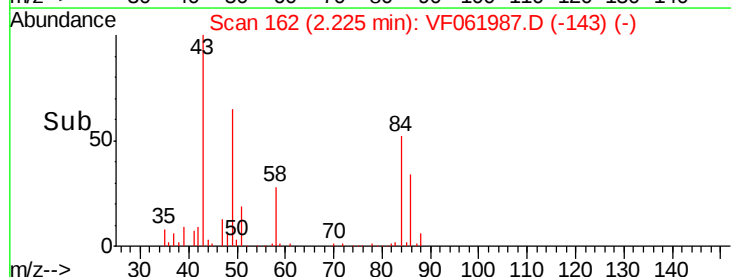
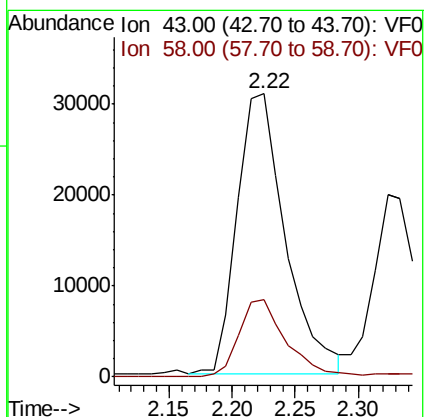
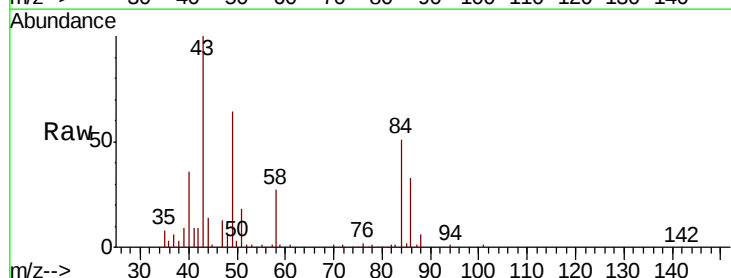
Acq: 16 Mar 2019 21:21

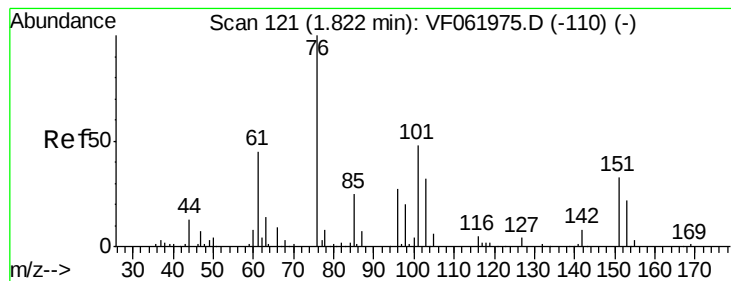
Tgt Ion: 43 Resp: 81857

Ion Ratio Lower Upper

43 100

58 27.5 19.9 29.9





#17

Carbon Disulfide

Concen: 48.562 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

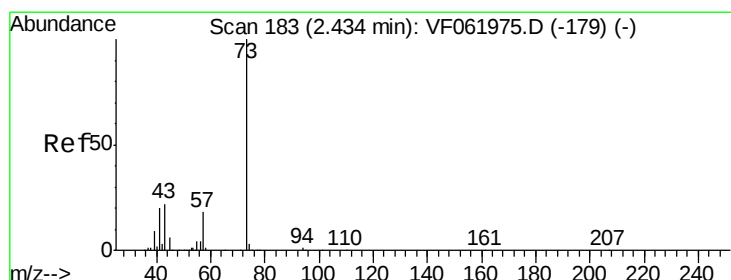
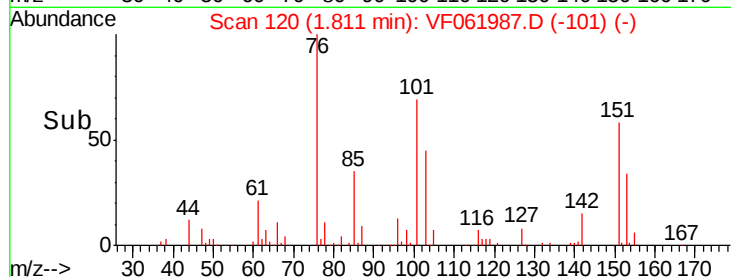
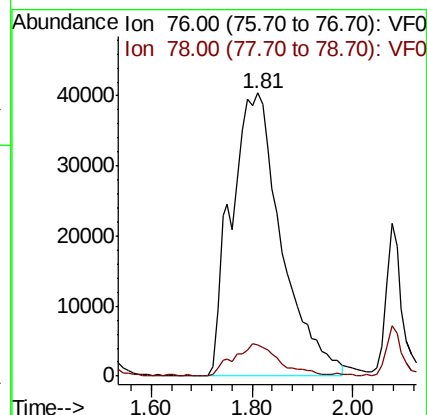
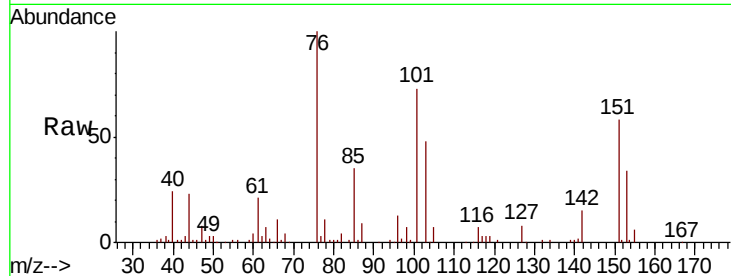
VSTDCCC050EC

Tgt Ion: 76 Resp: 281321

Ion Ratio Lower Upper

76 100

78 11.0 6.8 10.2#



#18

Methyl Acetate

Concen: 55.069 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF061987.D

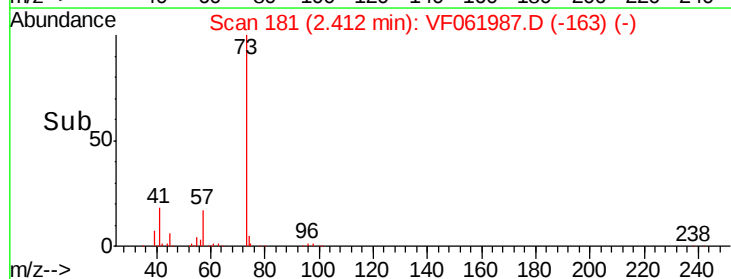
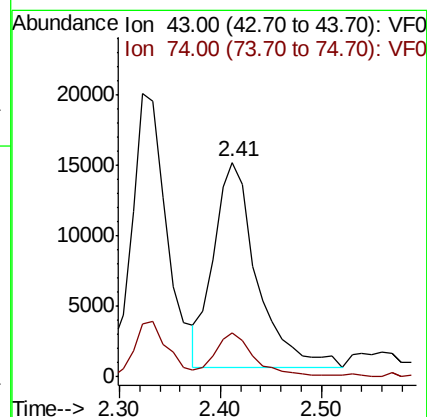
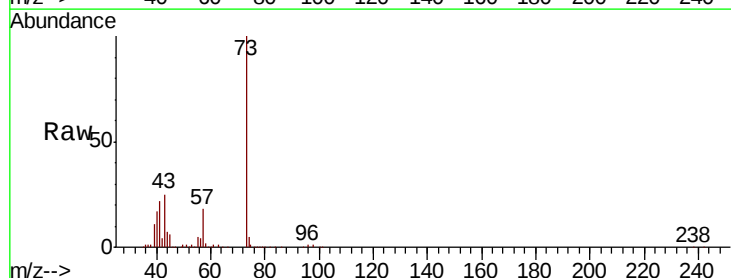
Acq: 16 Mar 2019 21:21

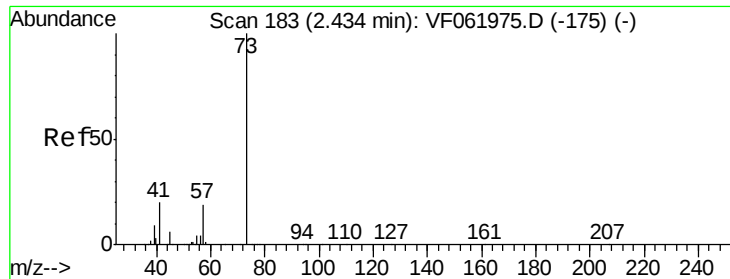
Tgt Ion: 43 Resp: 43221

Ion Ratio Lower Upper

43 100

74 20.8 12.6 18.8#



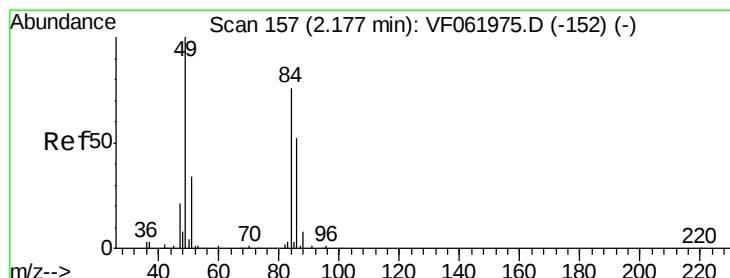
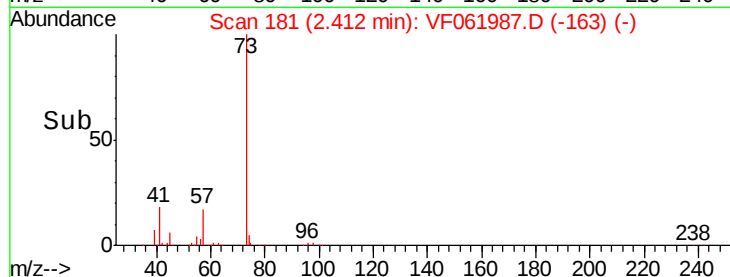
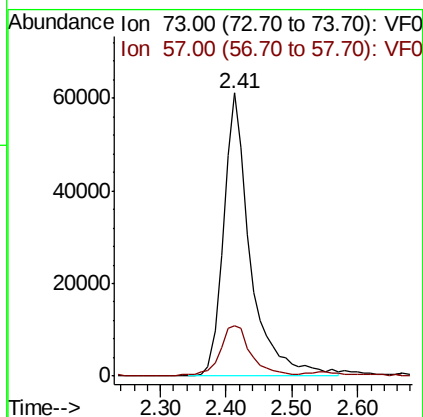
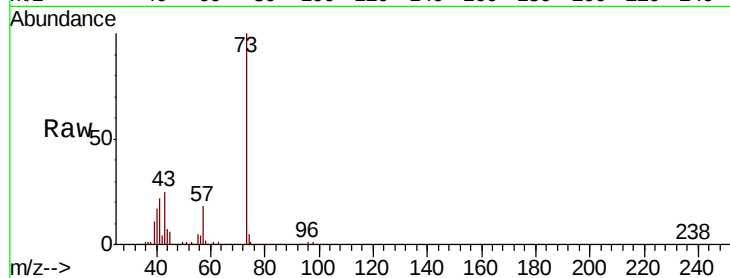


#19

Methyl tert-butyl Ether  
 Concen: 47.945 ug/l  
 RT: 2.41 min Scan# 181  
 Delta R.T. -0.02 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

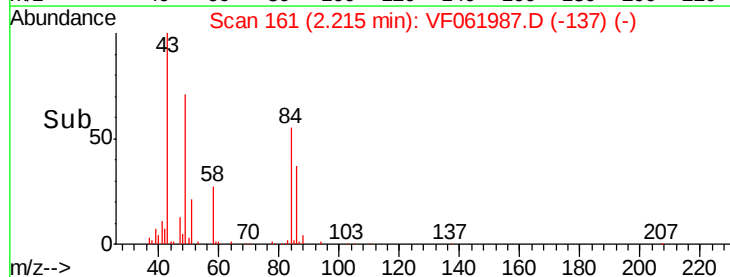
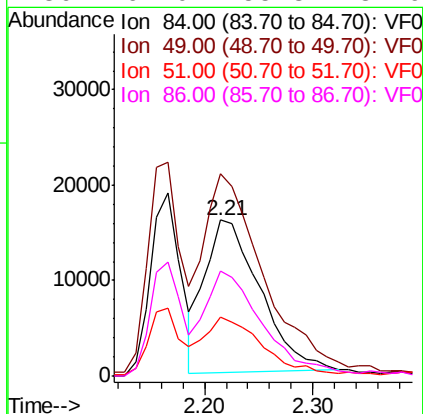
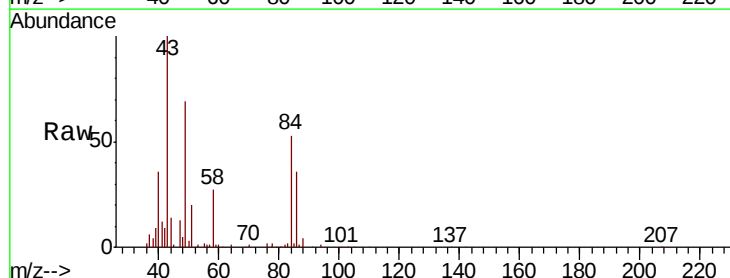
Tgt Ion: 73 Resp: 174023  
 Ion Ratio Lower Upper  
 73 100  
 57 18.0 15.3 22.9

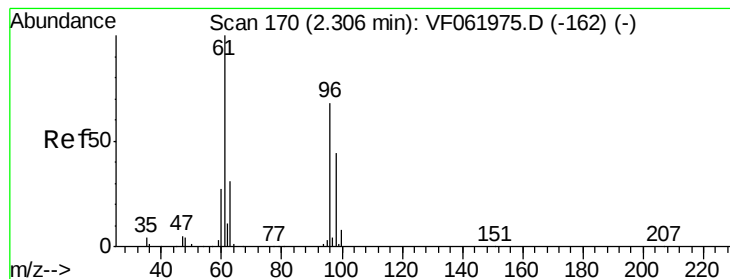


#20

Methylene Chloride  
 Concen: 28.839 ug/l  
 RT: 2.21 min Scan# 161  
 Delta R.T. 0.04 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 84 Resp: 56959  
 Ion Ratio Lower Upper  
 84 100  
 49 129.4 107.0 160.6  
 51 37.7 37.2 55.8  
 86 67.0 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 48.043 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

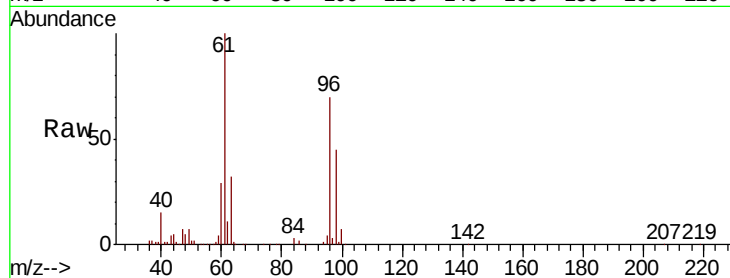
Tgt Ion: 96 Resp: 100426

Ion Ratio Lower Upper

96 100

61 143.2 117.4 176.2

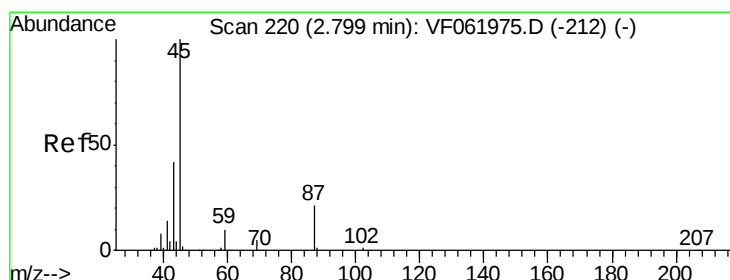
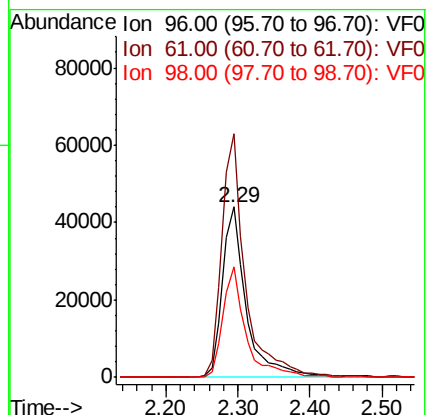
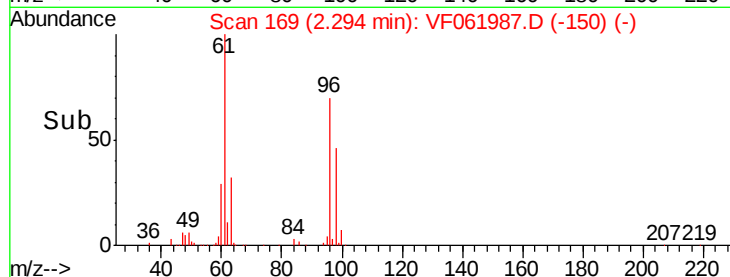
98 65.1 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 46.102 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion: 45 Resp: 283541

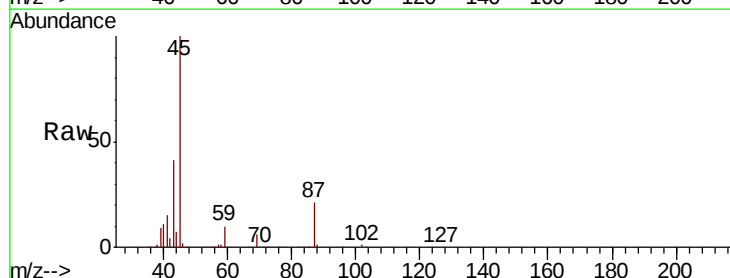
Ion Ratio Lower Upper

45 100

43 40.7 33.7 50.5

87 20.7 17.1 25.7

59 9.7 8.0 12.0

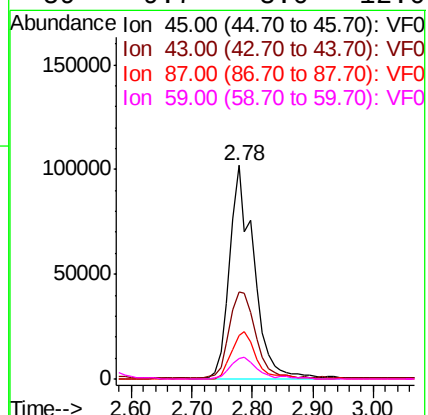
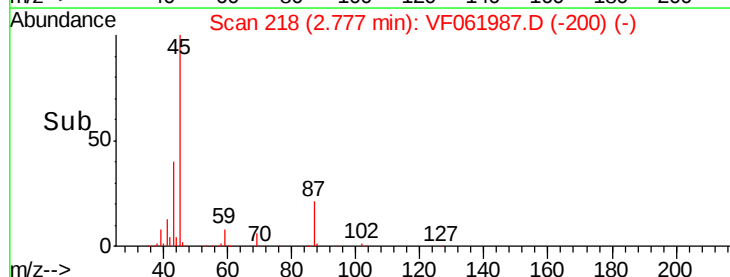


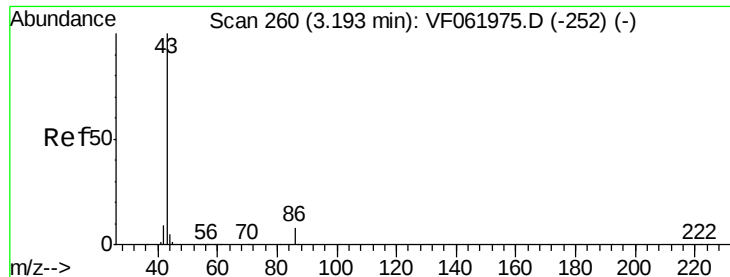
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 265.372 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

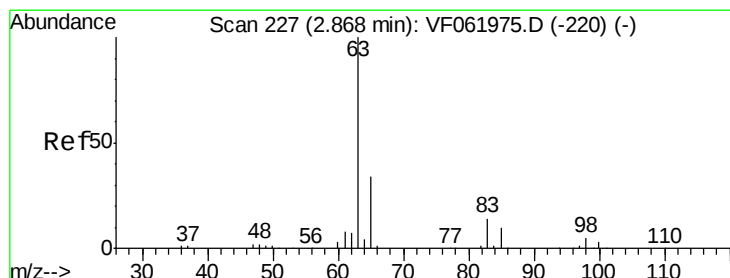
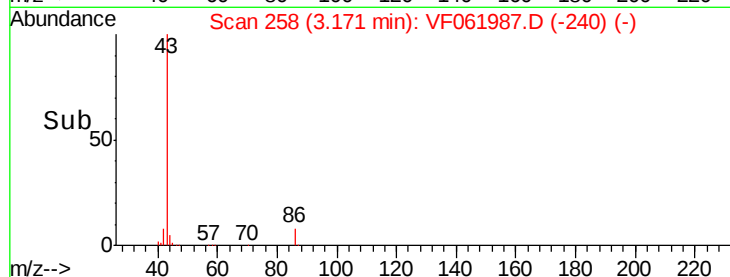
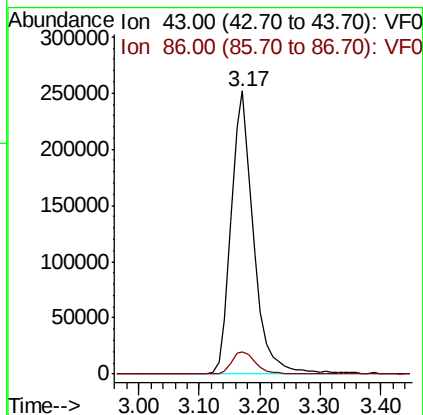
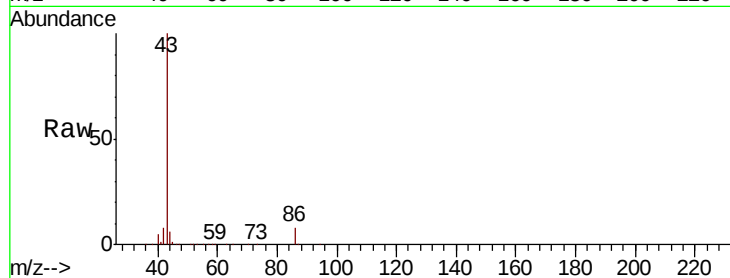
VSTDCCC050EC

Tgt Ion: 43 Resp: 643393

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 48.657 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

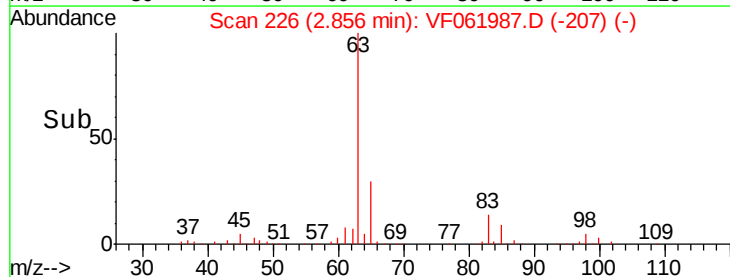
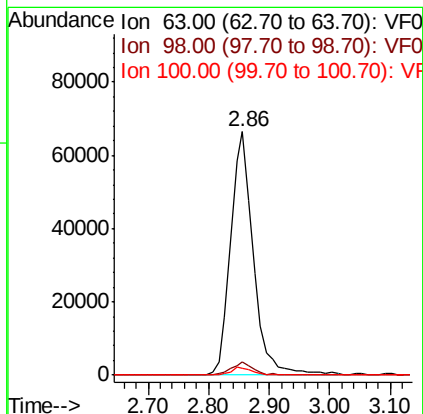
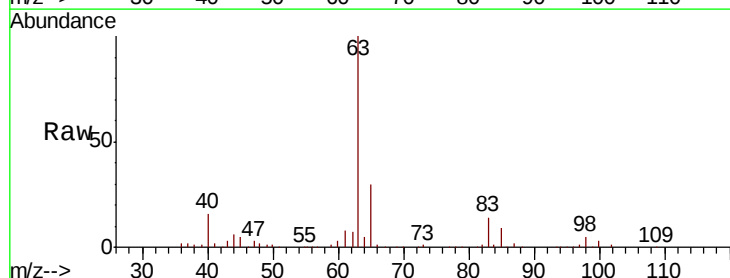
Tgt Ion: 63 Resp: 174004

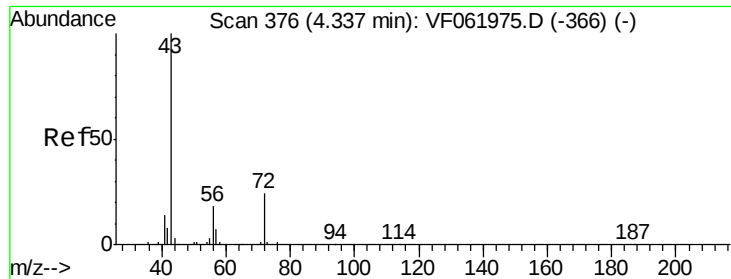
Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 236.037 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

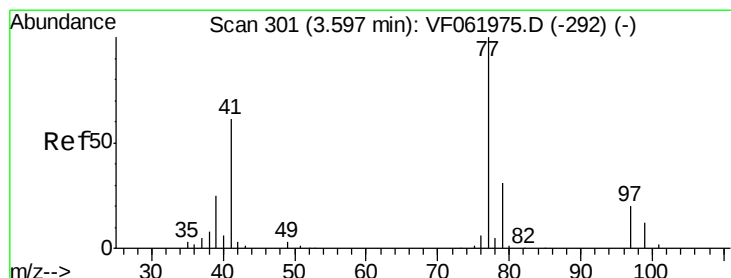
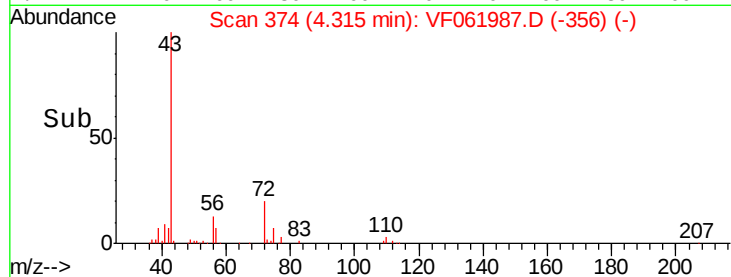
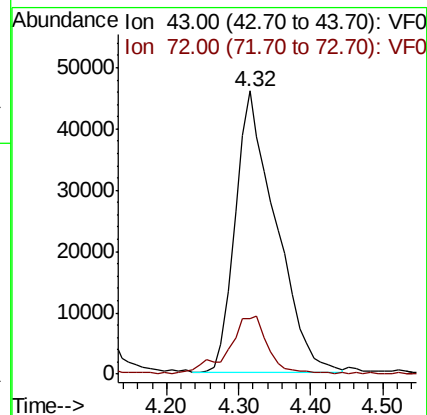
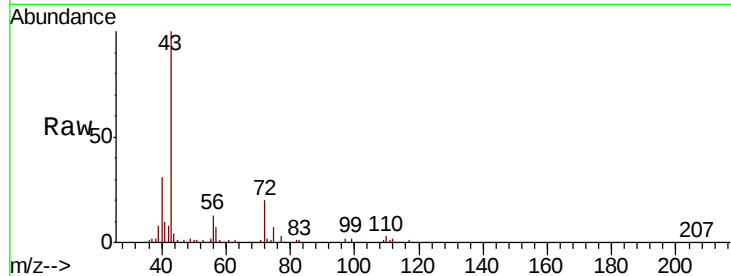
VSTDCCC050EC

Tgt Ion: 43 Resp: 179332

Ion Ratio Lower Upper

43 100

72 19.7 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 45.472 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF061987.D

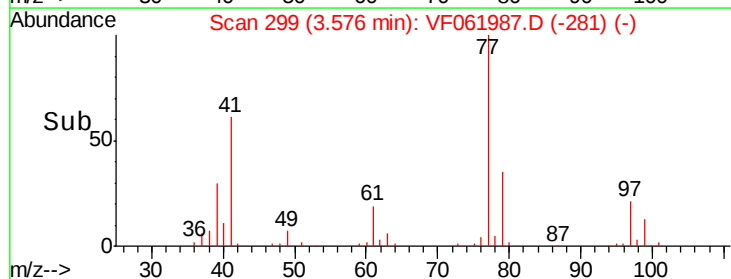
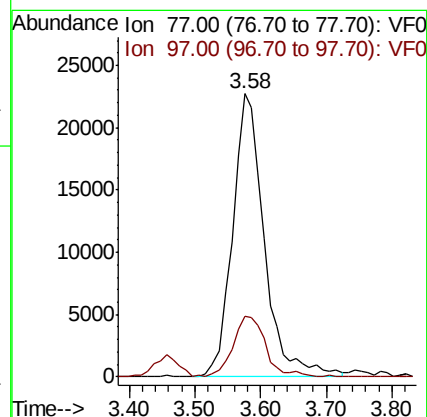
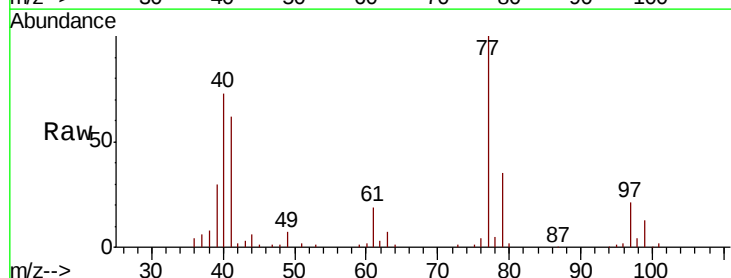
Acq: 16 Mar 2019 21:21

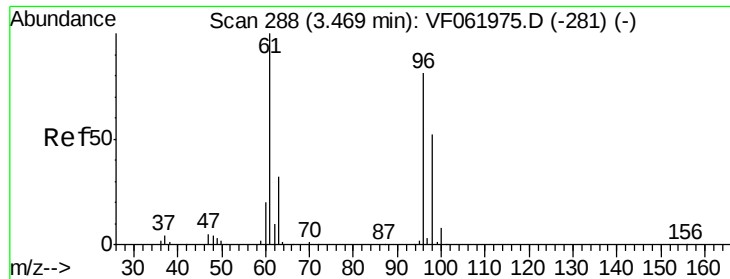
Tgt Ion: 77 Resp: 76702

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.4



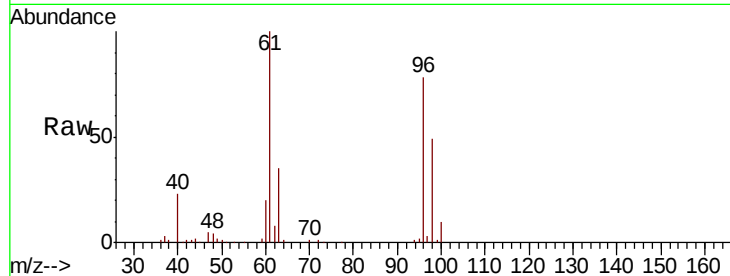


#27

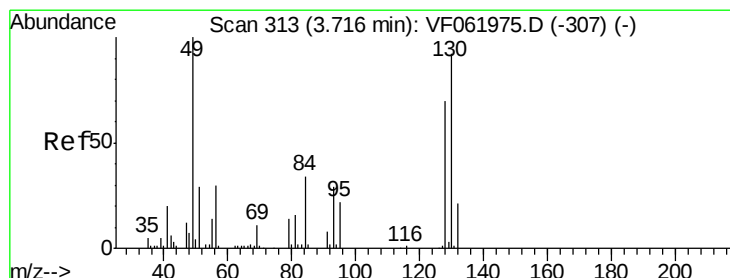
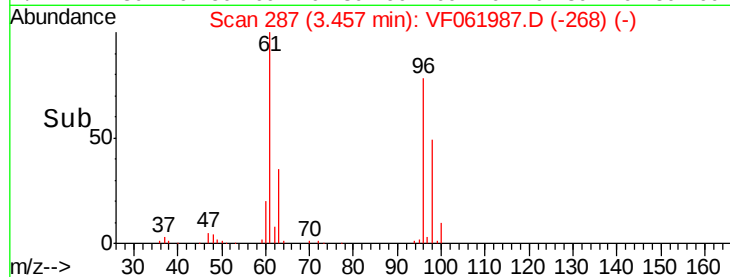
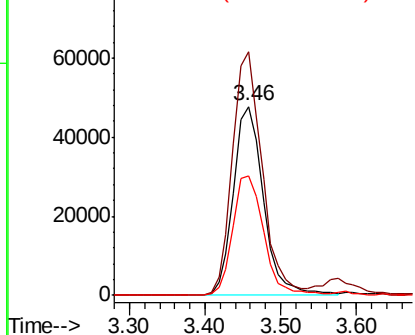
cis-1,2-Dichloroethene  
 Concen: 50.186 ug/l  
 RT: 3.46 min Scan# 287  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 132223  
 Ion Ratio Lower Upper  
 96 100  
 61 128.7 0.0 246.6  
 98 63.4 0.0 129.2



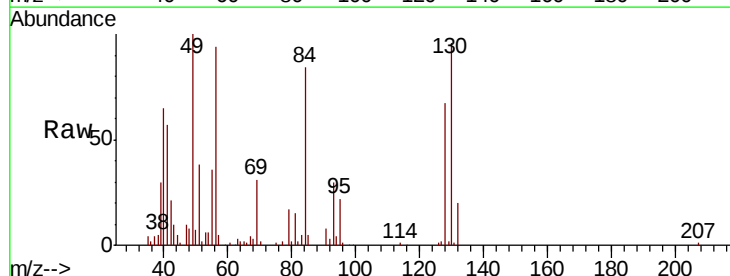
Abundance Ion 96.00 (95.70 to 96.70): VF0  
 Ion 61.00 (60.70 to 61.70): VF0  
 Ion 98.00 (97.70 to 98.70): VF0



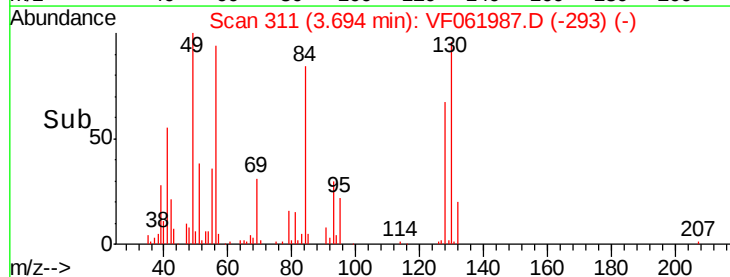
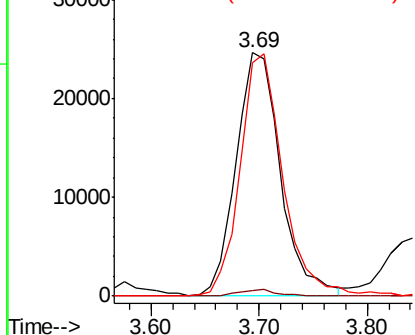
#28

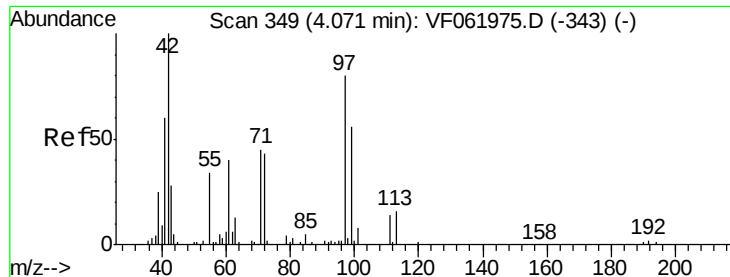
Bromochloromethane  
 Concen: 47.743 ug/l  
 RT: 3.69 min Scan# 311  
 Delta R.T. -0.02 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 49 Resp: 70844  
 Ion Ratio Lower Upper  
 49 100  
 129 2.3 0.0 5.8  
 130 95.7 73.1 109.7



Abundance Ion 49.00 (48.70 to 49.70): VF0  
 Ion 129.00 (128.70 to 129.70): V  
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 232.624 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

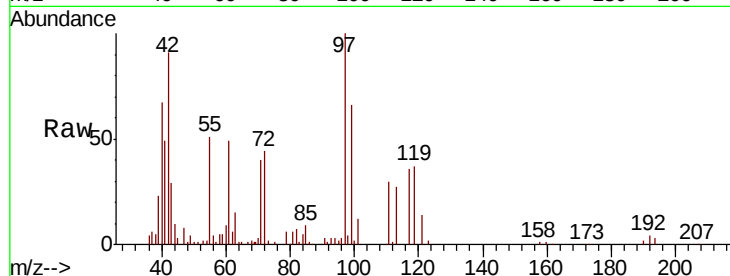
Tgt Ion: 42 Resp: 76863

Ion Ratio Lower Upper

42 100

72 45.2 34.0 51.0

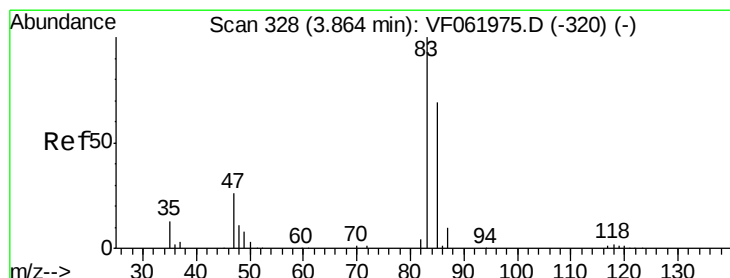
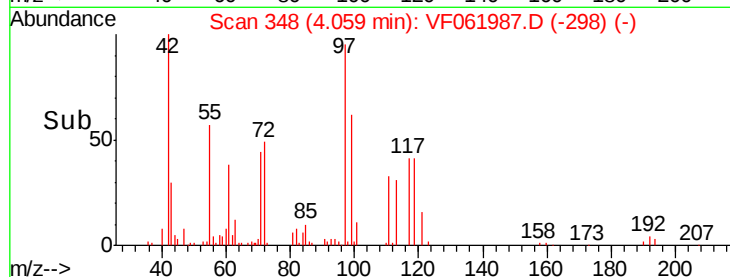
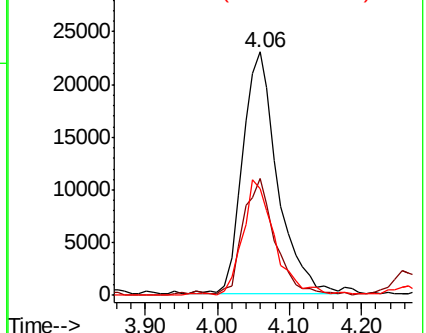
71 44.6 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 50.495 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF061987.D

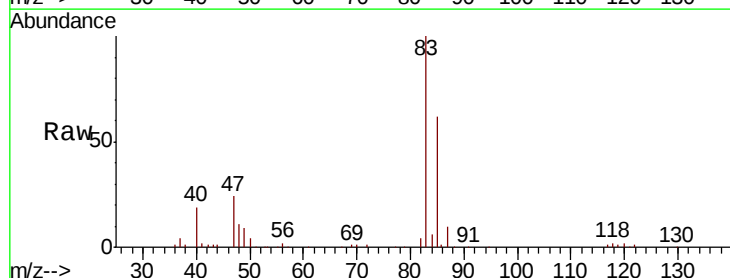
Acq: 16 Mar 2019 21:21

Tgt Ion: 83 Resp: 204599

Ion Ratio Lower Upper

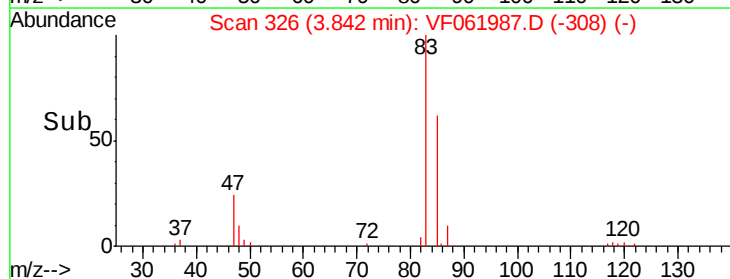
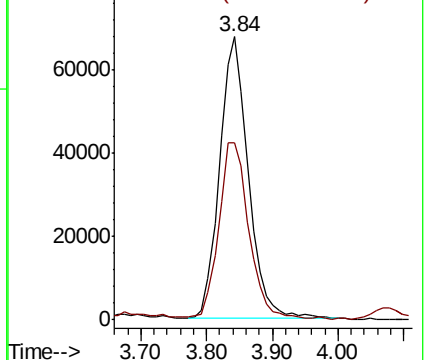
83 100

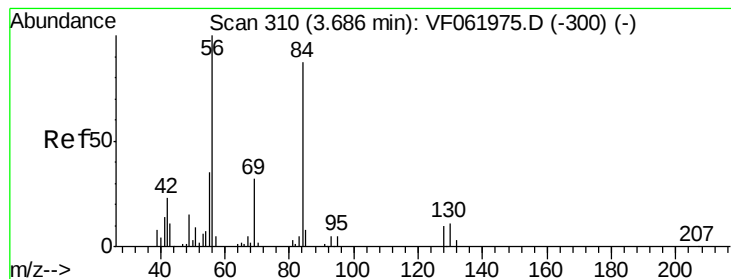
85 62.4 55.5 83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 49.383 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

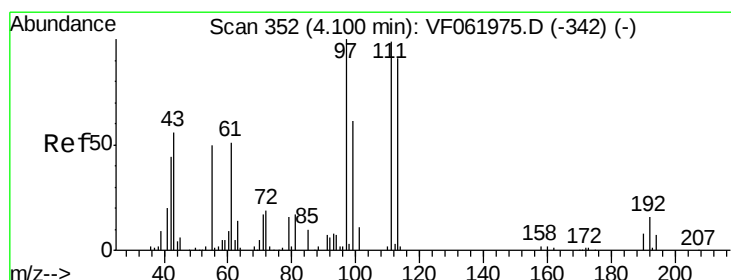
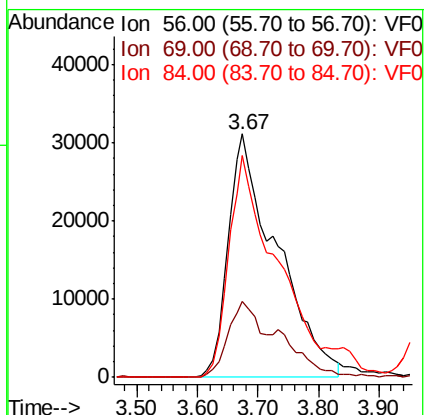
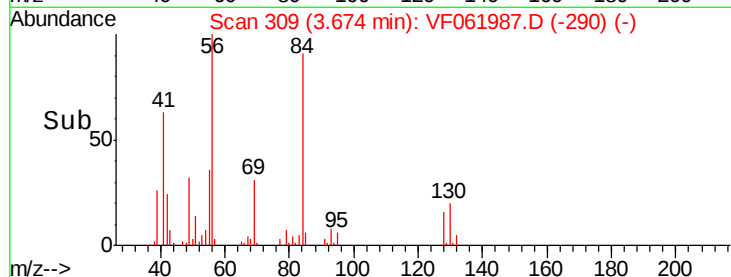
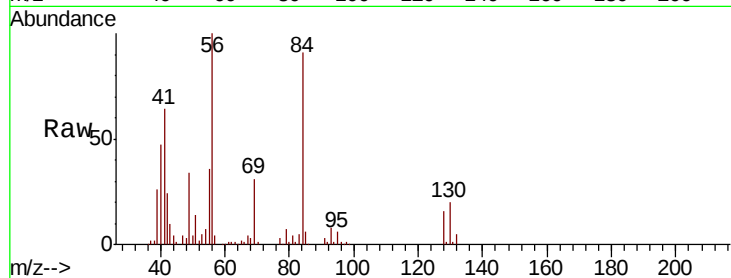
Tgt Ion: 56 Resp: 173021

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.8

84 90.9 69.5 104.3



#32

1,1,1-Trichloroethane

Concen: 54.210 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

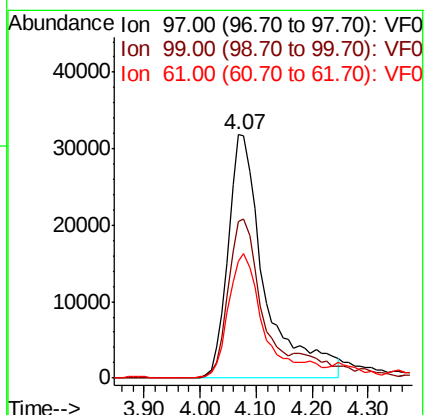
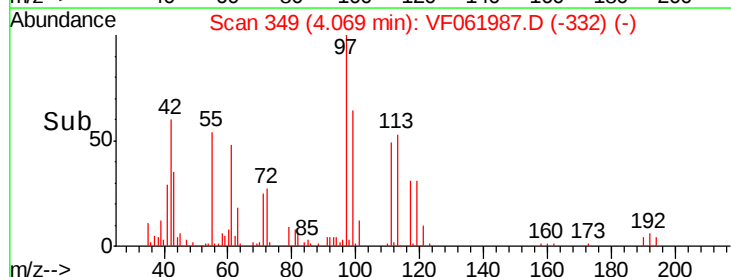
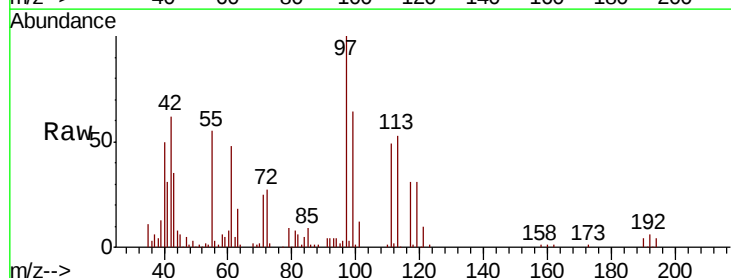
Tgt Ion: 97 Resp: 145873

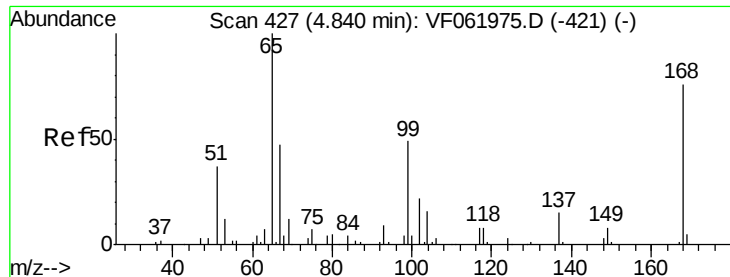
Ion Ratio Lower Upper

97 100

99 64.2 49.0 73.4

61 48.1 41.4 62.0





#33

1,2-Dichloroethane-d4

Concen: 45.832 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

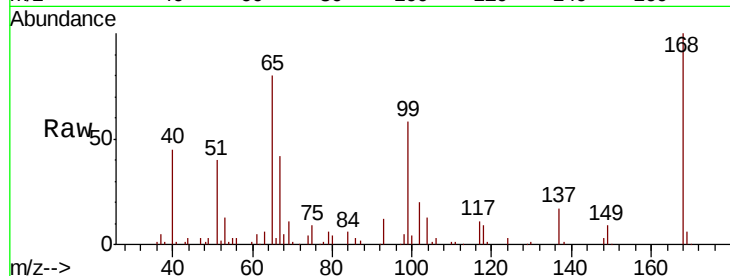
VSTDCCC050EC

Tgt Ion: 65 Resp: 78300

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

30000

25000

20000

15000

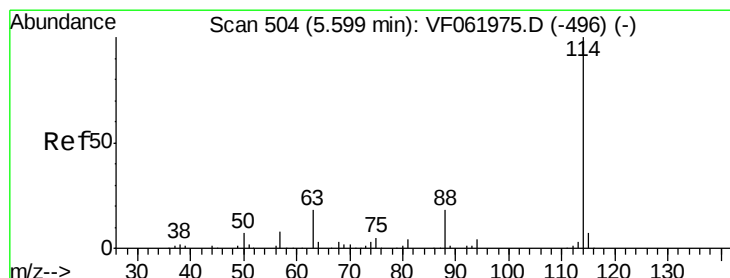
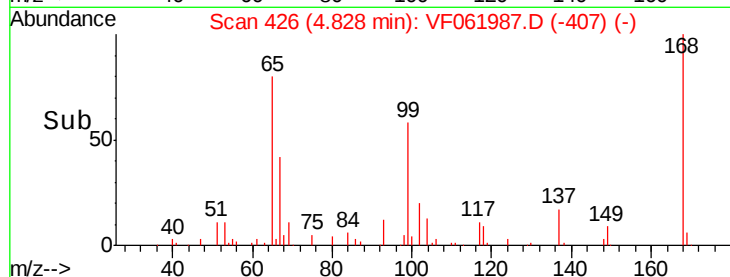
10000

5000

0

4.75 4.80 4.85 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

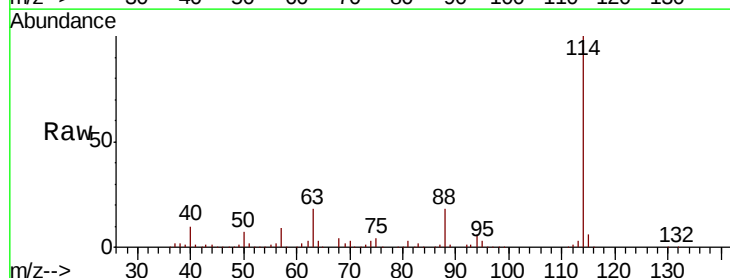
Tgt Ion: 114 Resp: 365684

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

88 18.2 0.0 36.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

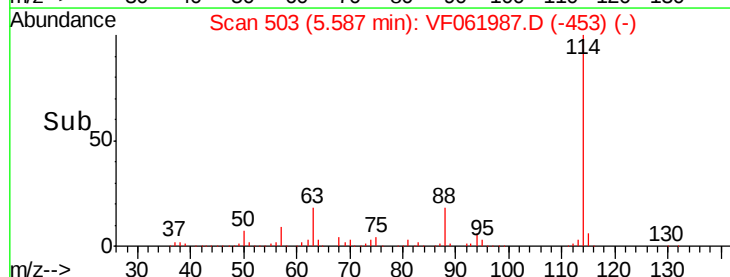
100000

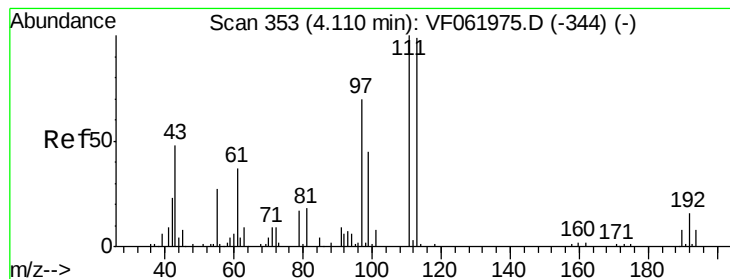
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 44.614 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

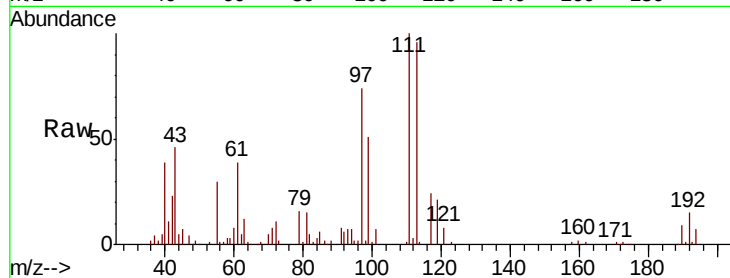
Tgt Ion: 113 Resp: 109556

Ion Ratio Lower Upper

113 100

111 104.6 80.8 121.2

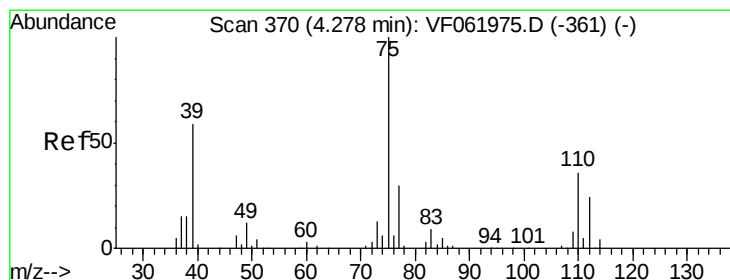
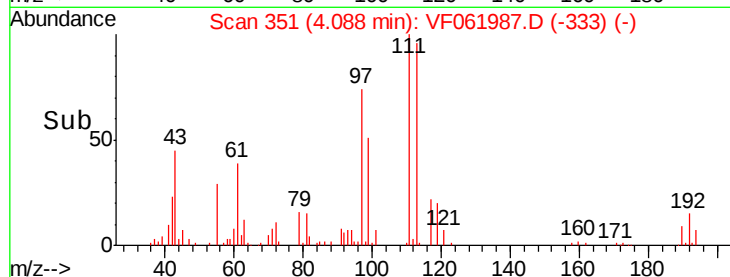
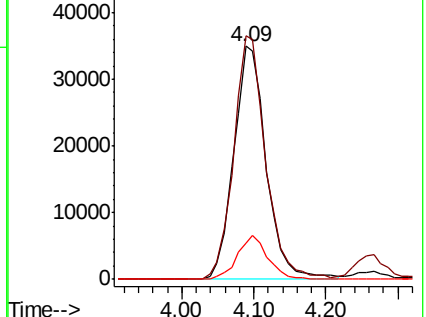
192 15.7 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.726 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

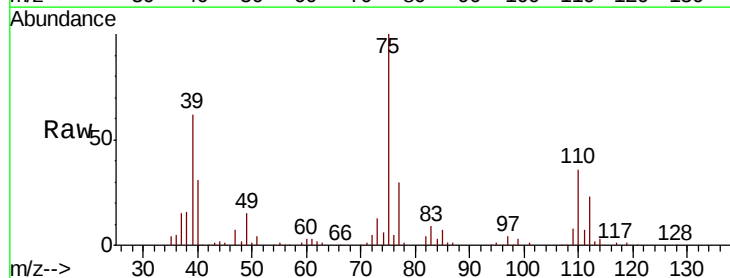
Tgt Ion: 75 Resp: 164211

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.3

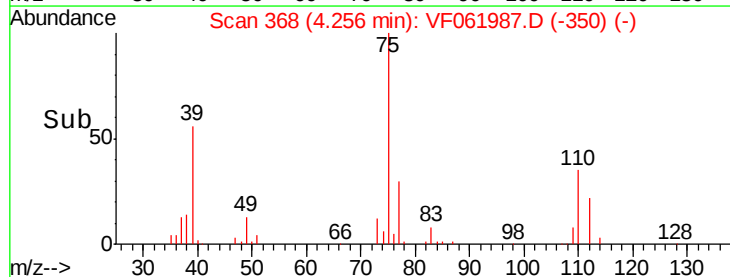
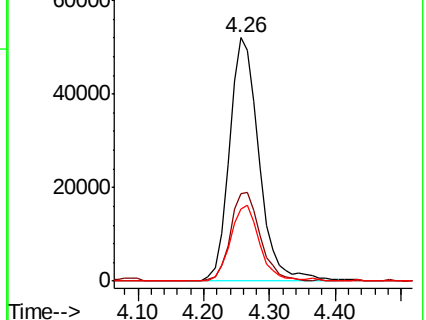
77 29.8 24.2 36.2

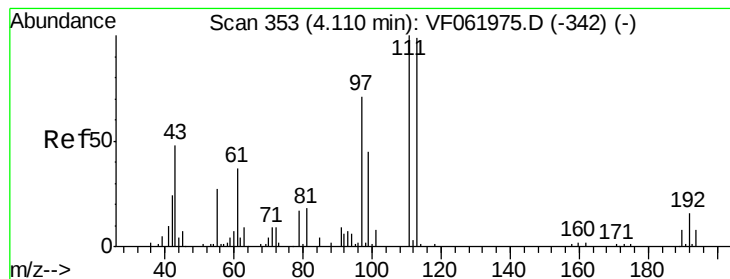


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 44.542 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

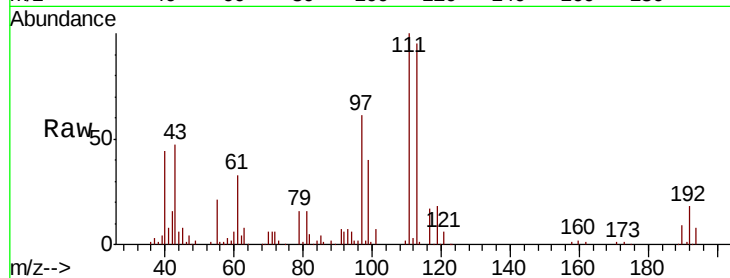
Tgt Ion: 43 Resp: 66045

Ion Ratio Lower Upper

43 100

61 70.5 59.8 89.6

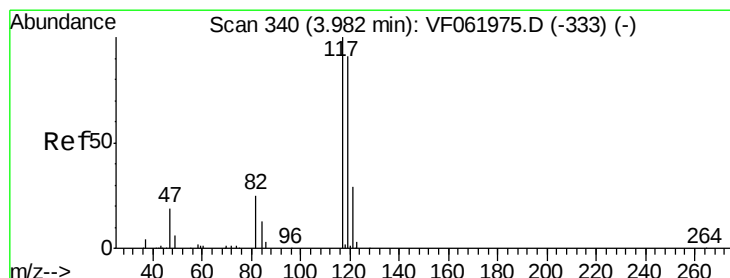
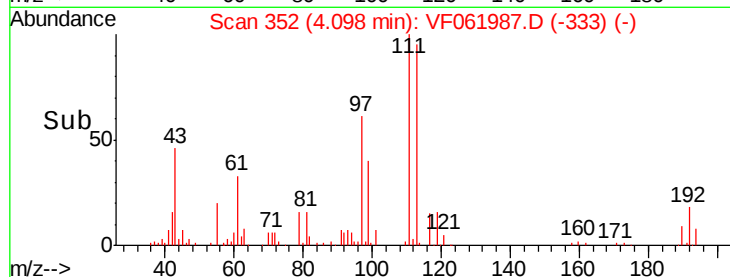
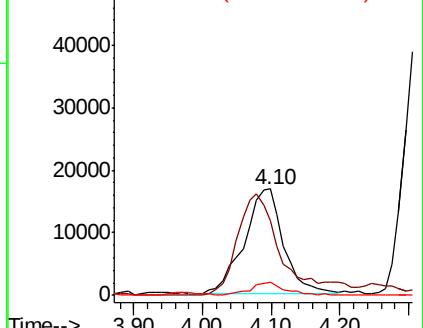
70 13.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 51.973 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

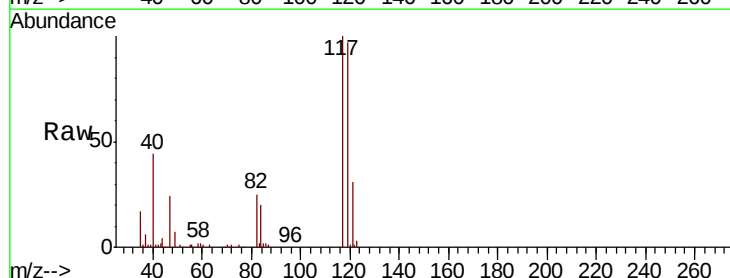
Tgt Ion: 117 Resp: 125432

Ion Ratio Lower Upper

117 100

119 96.7 73.0 109.4

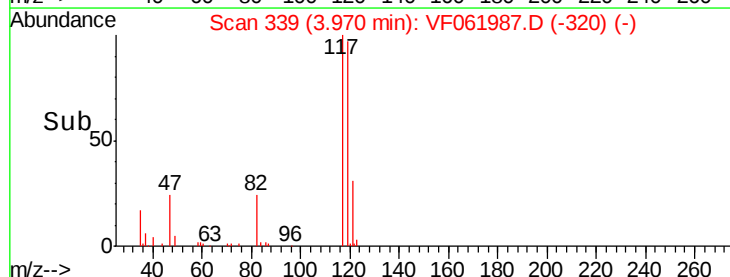
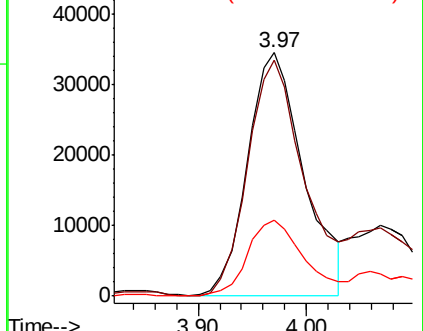
121 31.1 23.0 34.6

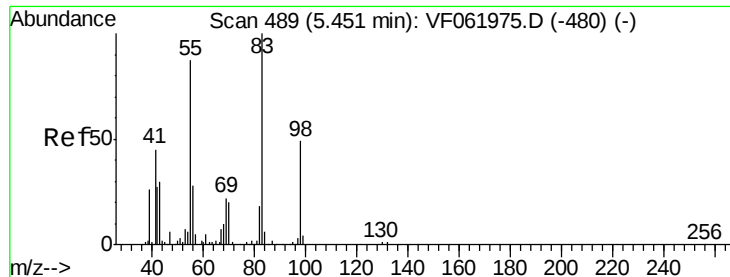


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

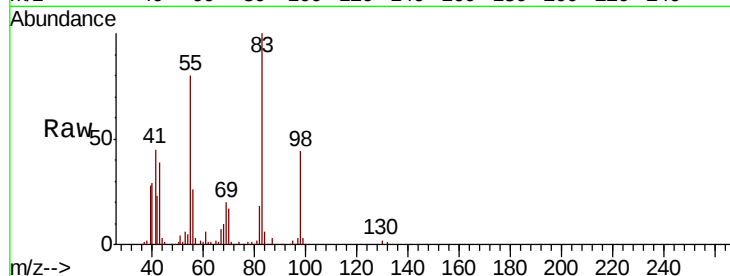




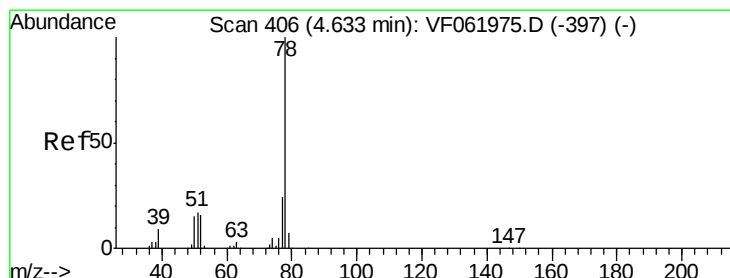
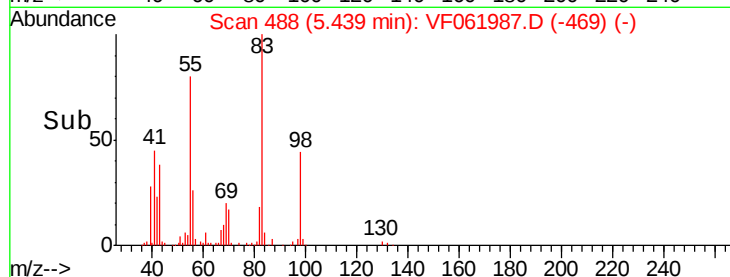
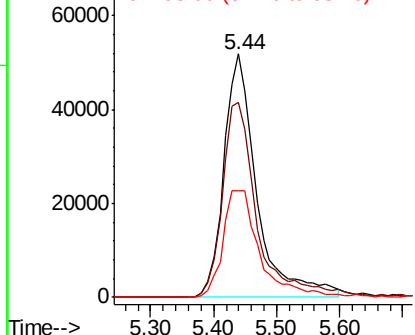
#39  
Methylcyclohexane  
Concen: 48.415 ug/l  
RT: 5.44 min Scan# 488  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 83 Resp: 187696  
Ion Ratio Lower Upper  
83 100  
55 79.9 69.7 104.5  
98 43.7 39.4 59.0

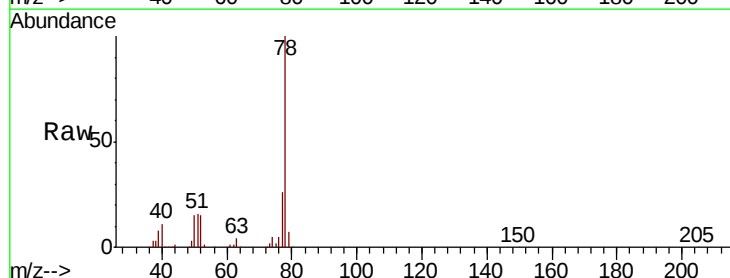


Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 55.00 (54.70 to 55.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0

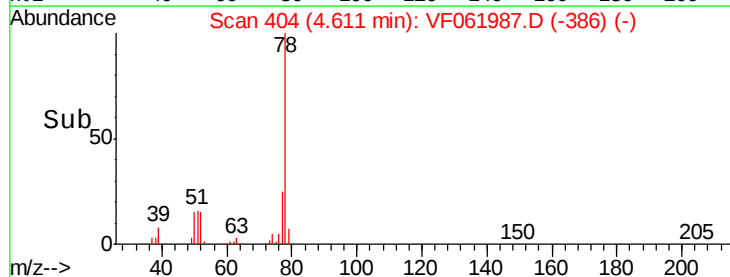
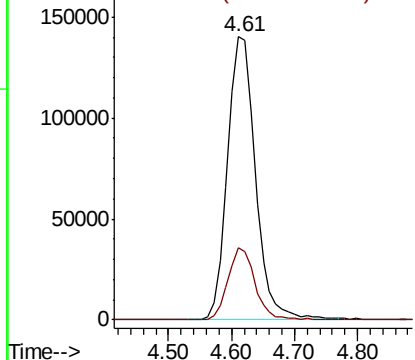


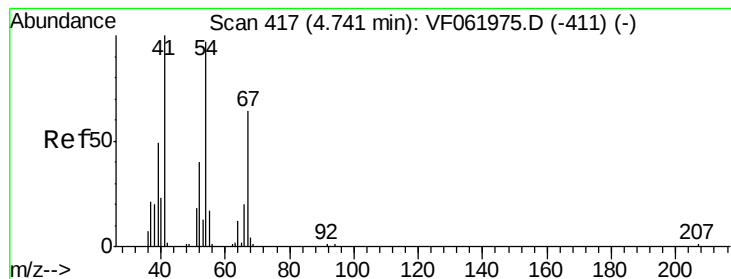
#40  
Benzene  
Concen: 49.152 ug/l  
RT: 4.61 min Scan# 404  
Delta R.T. -0.02 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion: 78 Resp: 430098  
Ion Ratio Lower Upper  
78 100  
77 25.6 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VF0  
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 48.986 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 38807

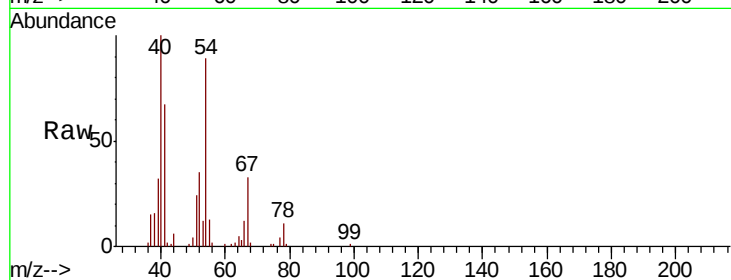
Ion Ratio Lower Upper

41 100

39 47.6 46.2 69.4

67 48.8 49.8 74.8#

52 51.7 42.7 64.1

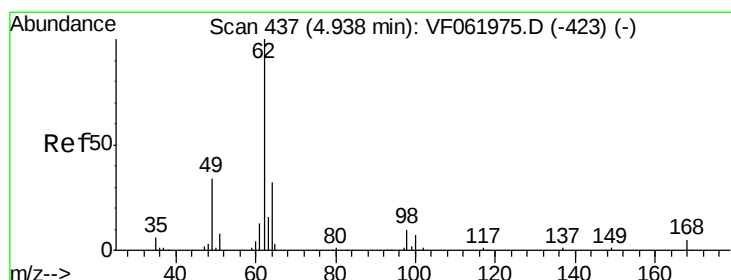
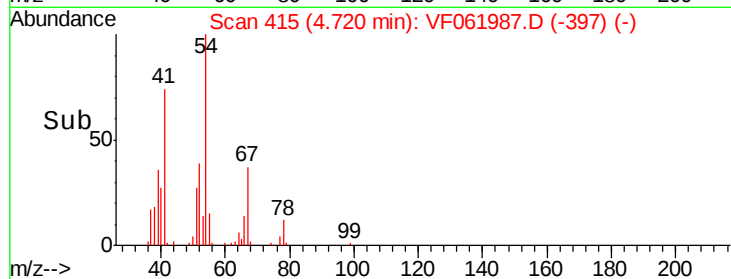
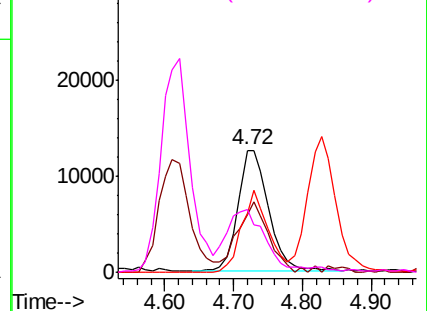


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 50.046 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061987.D

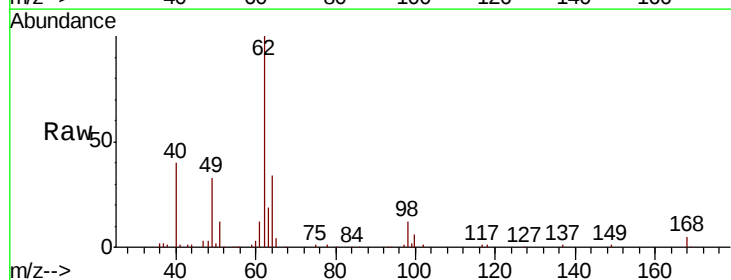
Acq: 16 Mar 2019 21:21

Tgt Ion: 62 Resp: 109014

Ion Ratio Lower Upper

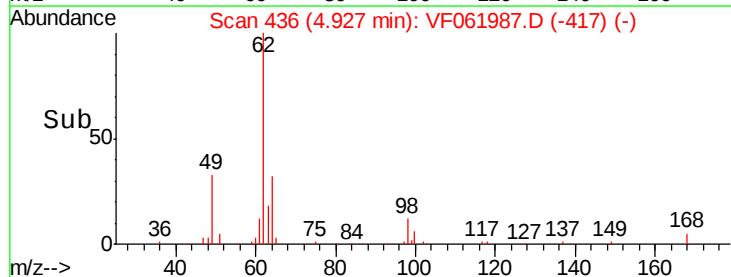
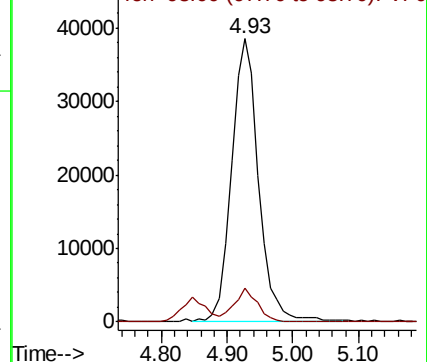
62 100

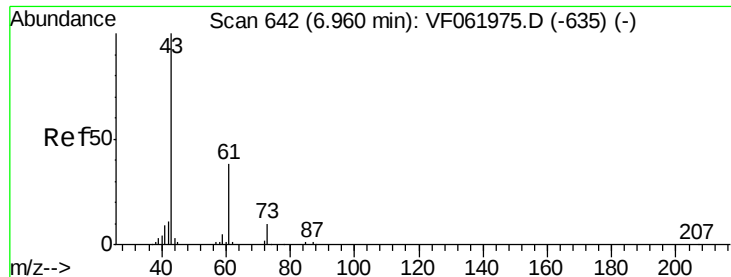
98 11.7 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 49.887 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

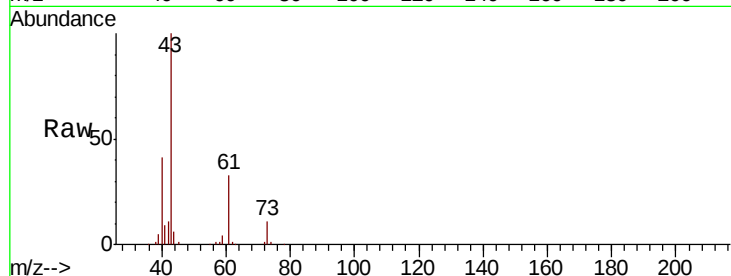
Tgt Ion: 43 Resp: 87519

Ion Ratio Lower Upper

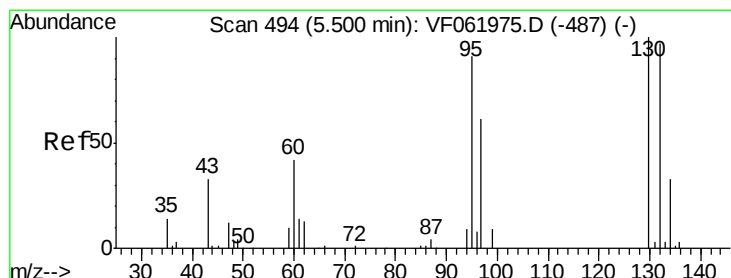
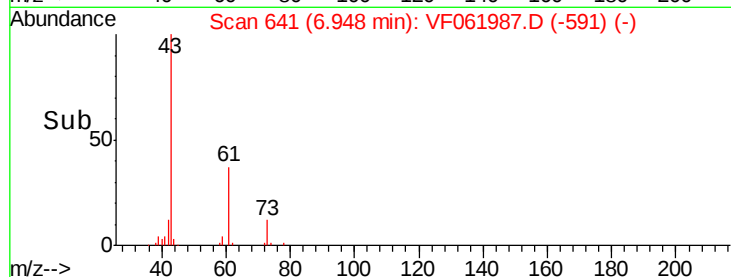
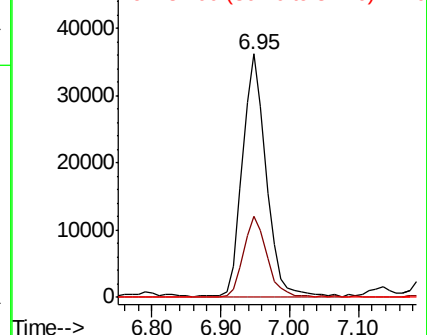
43 100

61 33.5 30.1 45.1

87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 46.703 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF061987.D

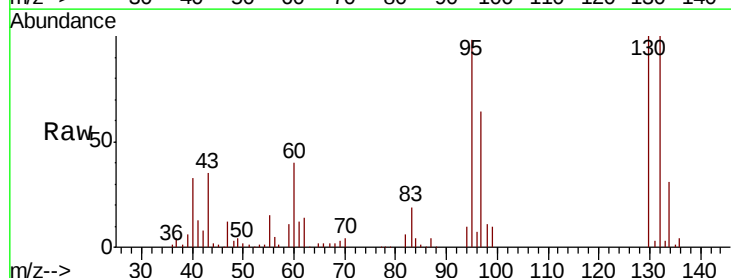
Acq: 16 Mar 2019 21:21

Tgt Ion: 130 Resp: 125188

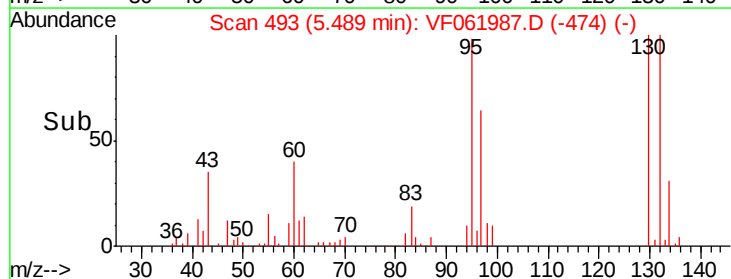
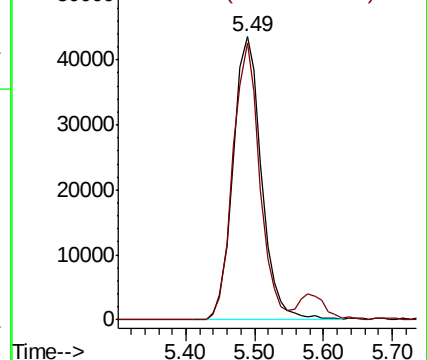
Ion Ratio Lower Upper

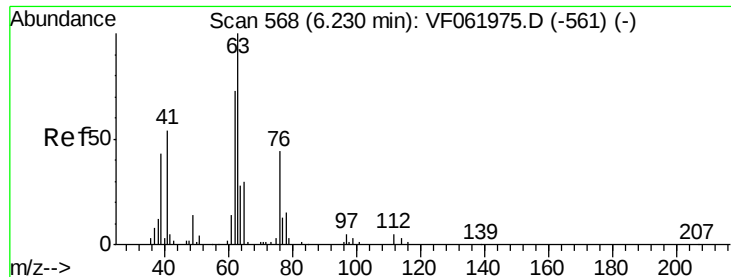
130 100

95 97.7 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V  
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.545 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

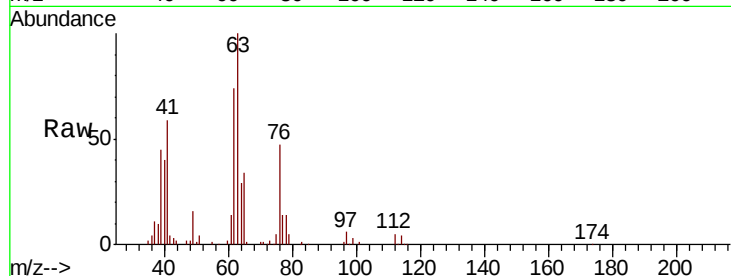
VSTDCCC050EC

Tgt Ion: 63 Resp: 100528

Ion Ratio Lower Upper

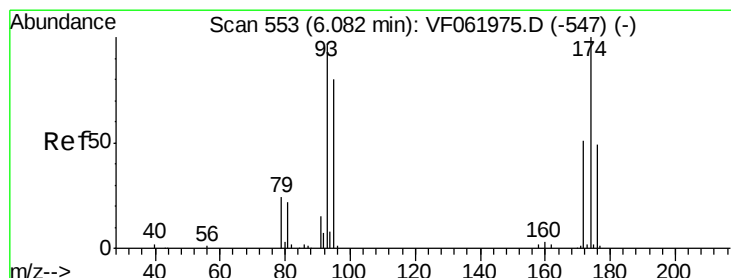
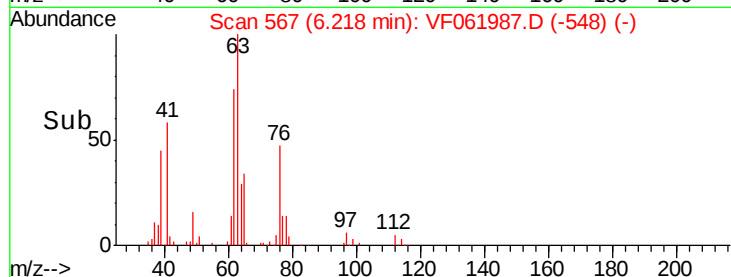
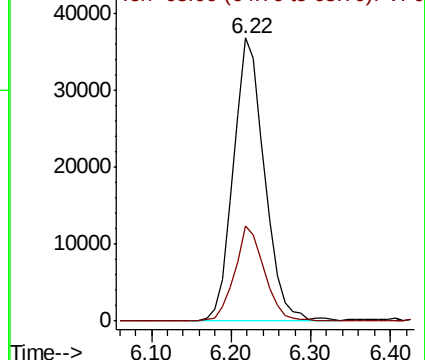
63 100

65 33.8 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 53.067 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

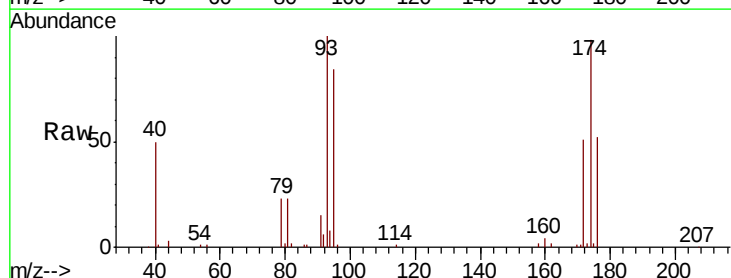
Tgt Ion: 93 Resp: 65373

Ion Ratio Lower Upper

93 100

95 83.9 65.7 98.5

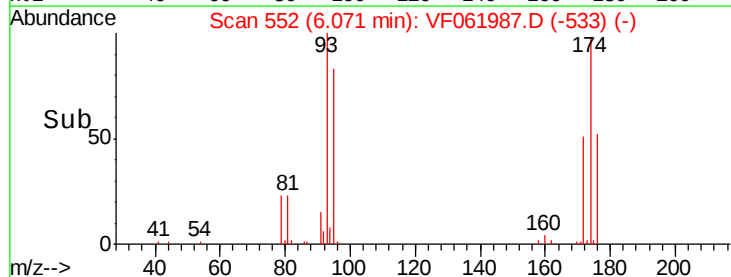
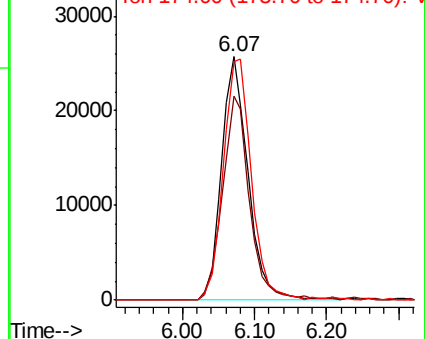
174 98.2 82.2 123.4

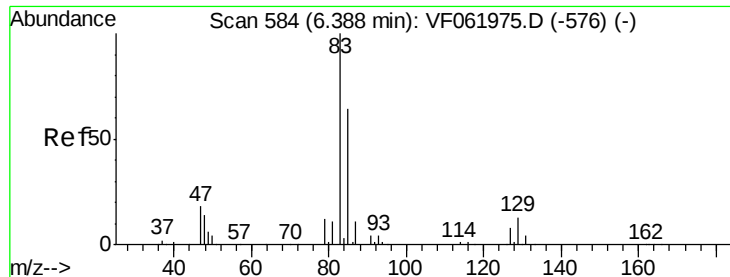


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 50.827 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

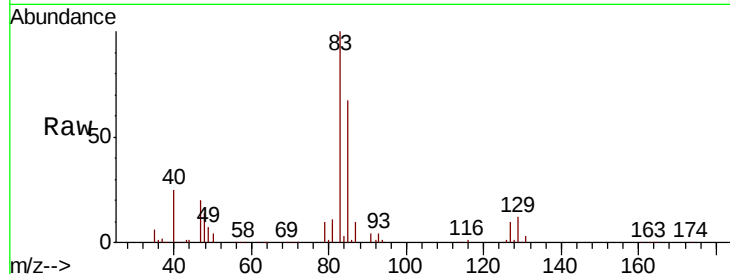
Tgt Ion: 83 Resp: 147616

Ion Ratio Lower Upper

83 100

85 67.4 51.4 77.2

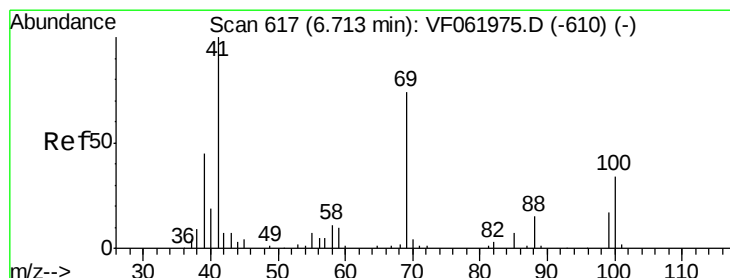
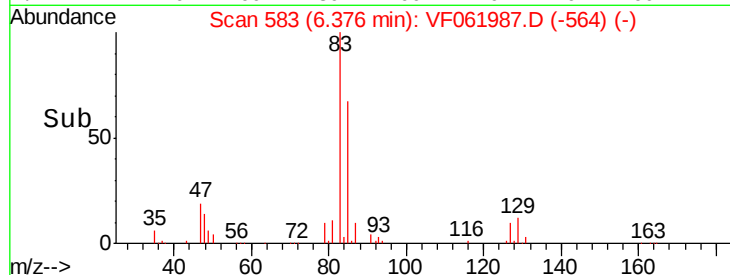
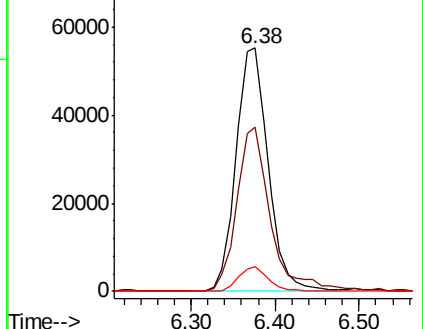
127 10.0 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 48.471 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

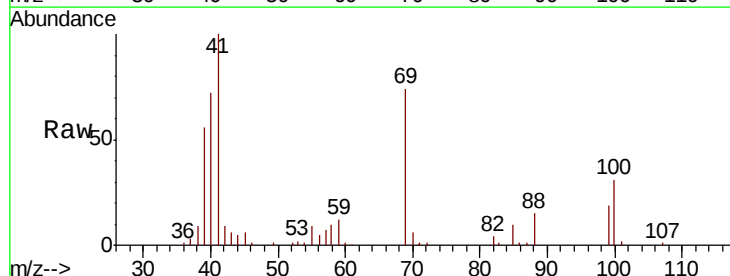
Tgt Ion: 41 Resp: 54958

Ion Ratio Lower Upper

41 100

69 74.4 59.0 88.6

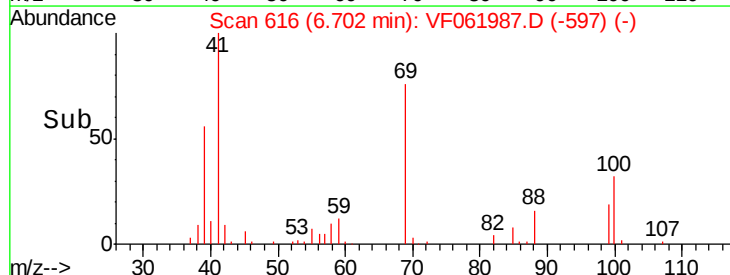
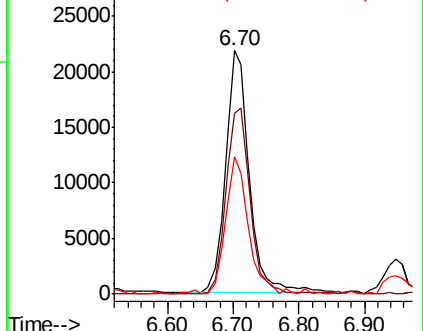
39 56.3 35.6 53.4#

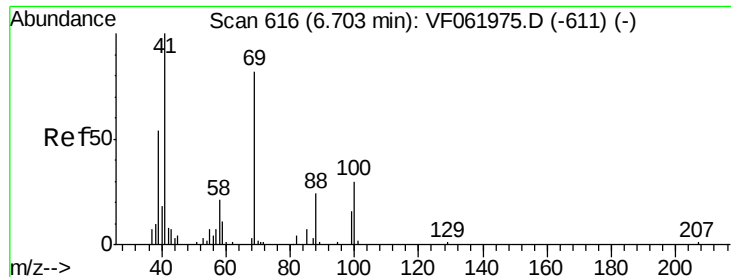


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

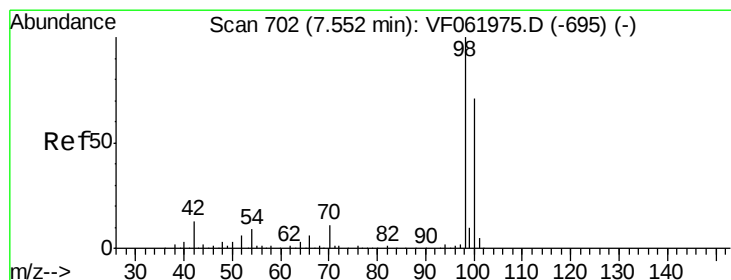
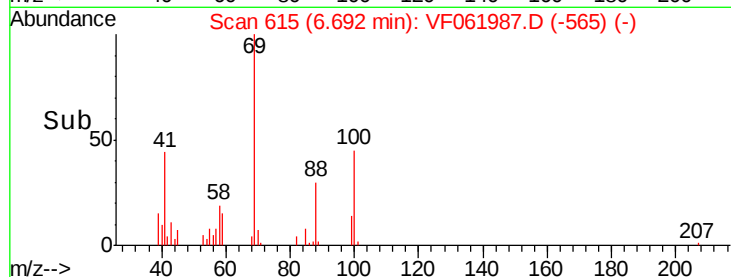
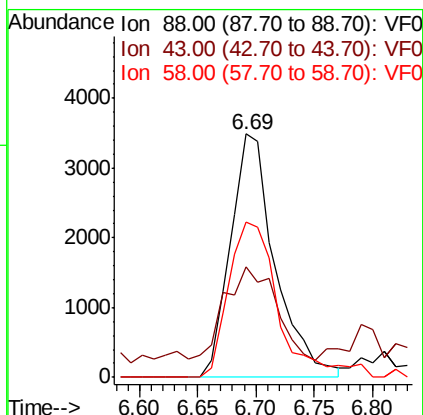
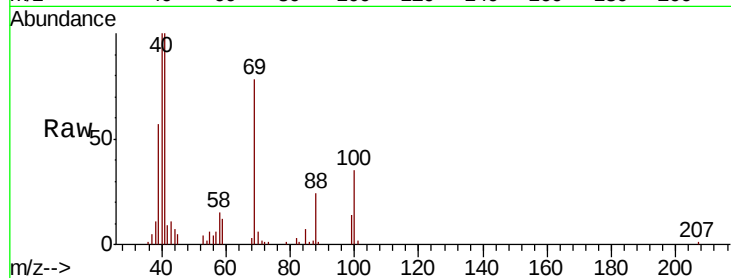




#49  
1,4-Dioxane  
Concen: 919.945 ug/l  
RT: 6.69 min Scan# 615  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

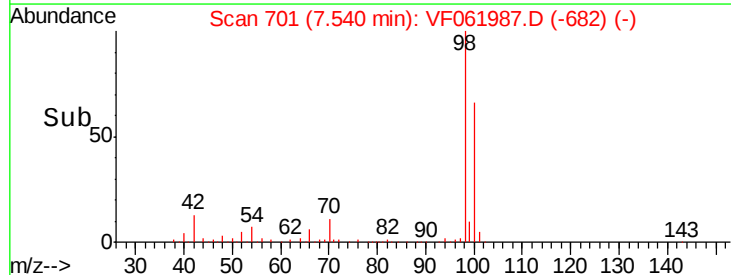
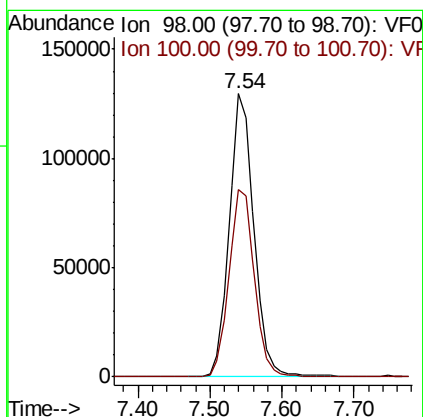
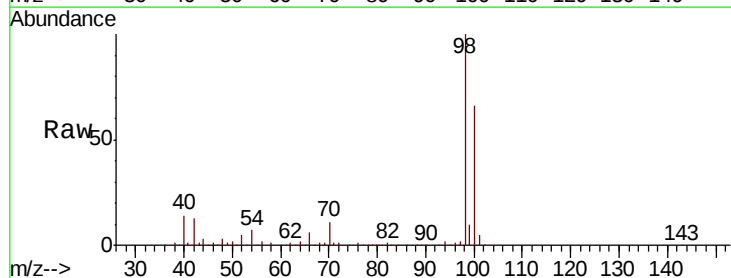
Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

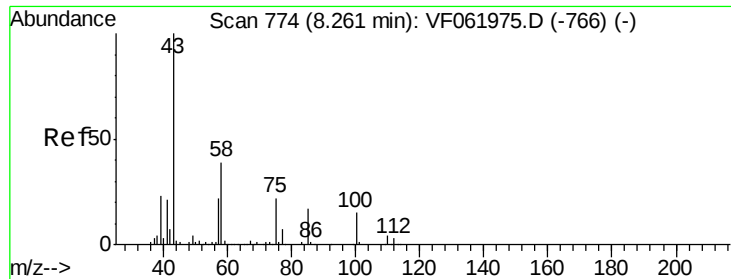
Tgt Ion: 88 Resp: 9278  
Ion Ratio Lower Upper  
88 100  
43 45.3 31.2 46.8  
58 63.6 69.9 104.9#



#50  
Toluene-d8  
Concen: 42.952 ug/l  
RT: 7.54 min Scan# 701  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion: 98 Resp: 308336  
Ion Ratio Lower Upper  
98 100  
100 66.3 56.8 85.2

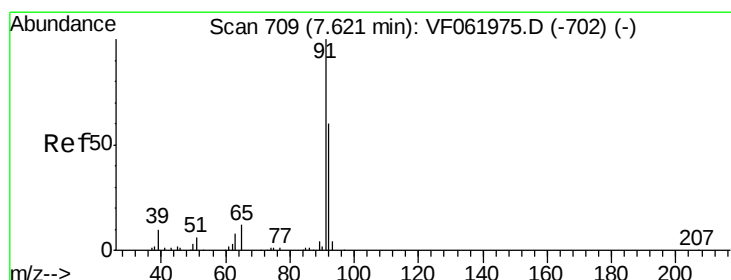
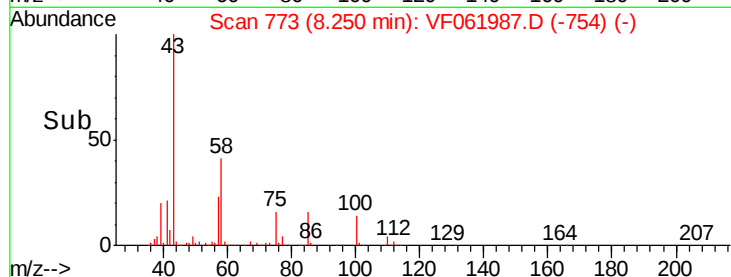
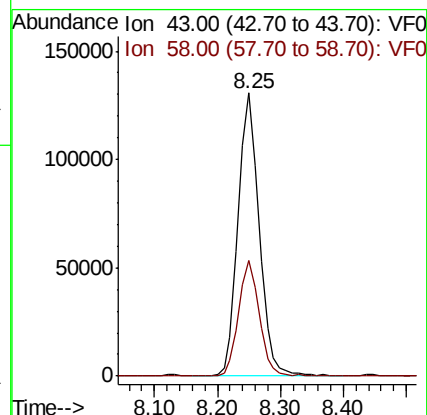
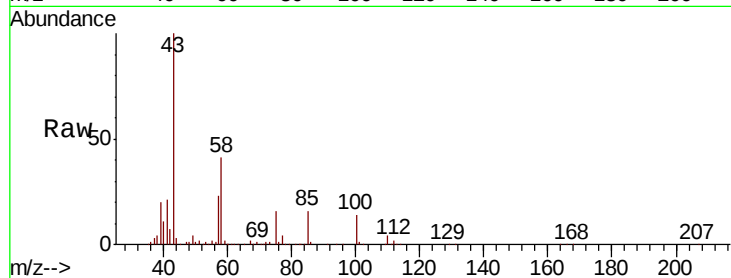




#51  
 4-Methyl-2-Pentanone  
 Concen: 243.335 ug/l  
 RT: 8.25 min Scan# 773  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

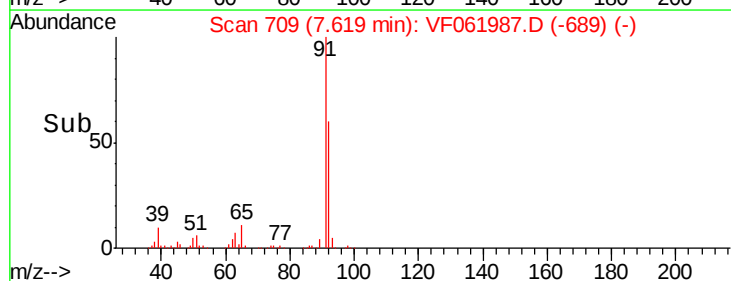
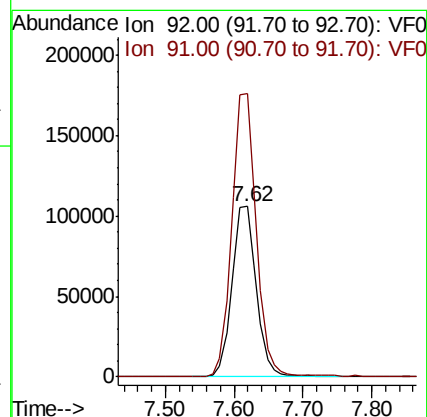
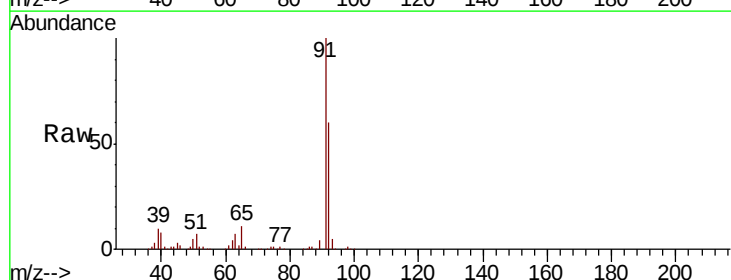
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

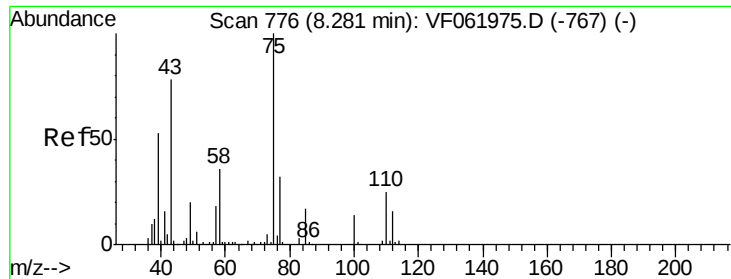
Tgt Ion: 43 Resp: 303143  
 Ion Ratio Lower Upper  
 43 100  
 58 40.8 31.1 46.7



#52  
 Toluene  
 Concen: 48.744 ug/l  
 RT: 7.62 min Scan# 709  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 92 Resp: 260605  
 Ion Ratio Lower Upper  
 92 100  
 91 166.2 134.0 201.0

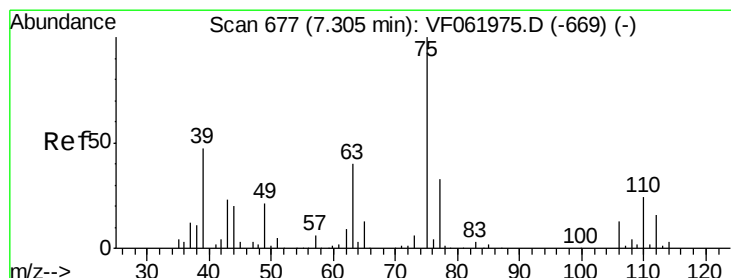
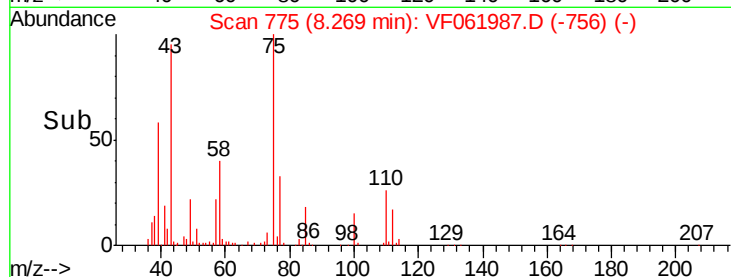
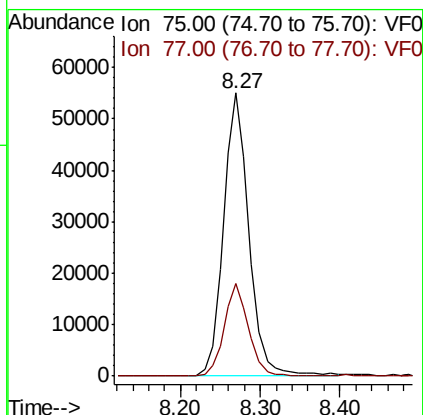
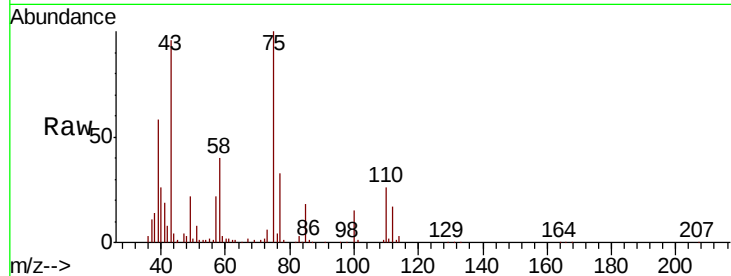




#53  
 t-1,3-Dichloropropene  
 Concen: 50.309 ug/l  
 RT: 8.27 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

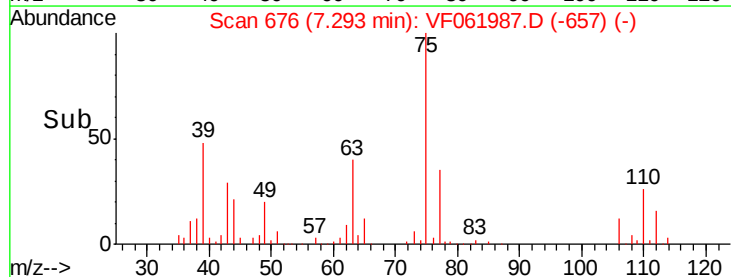
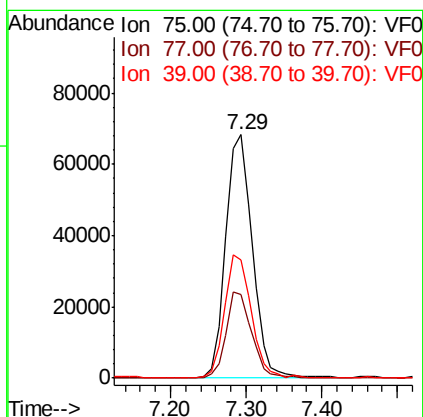
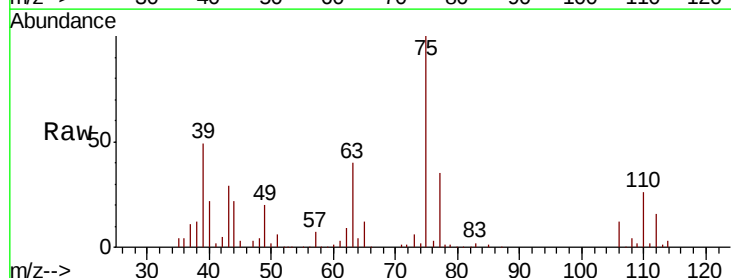
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

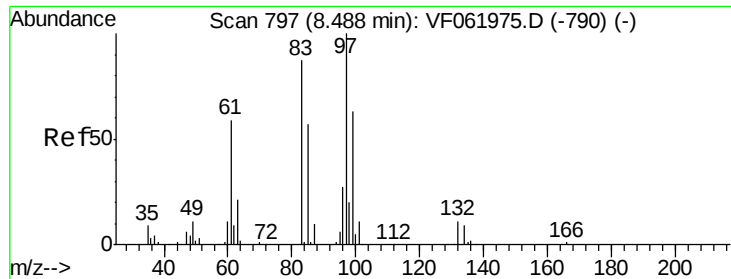
Tgt Ion: 75 Resp: 123353  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 25.5 38.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.201 ug/l  
 RT: 7.29 min Scan# 676  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 75 Resp: 167007  
 Ion Ratio Lower Upper  
 75 100  
 77 34.5 26.4 39.6  
 39 48.5 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 49.543 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

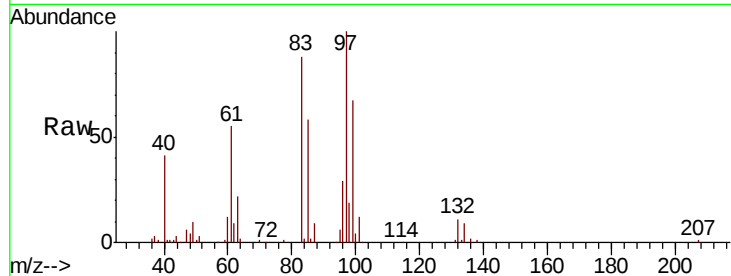
MSVOA\_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 73927

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.5  | 69.7  | 104.5 |
| 85  | 58.5  | 45.8  | 68.6  |
| 99  | 66.9  | 50.3  | 75.5  |



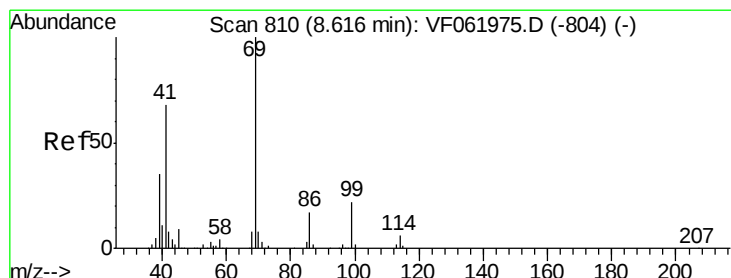
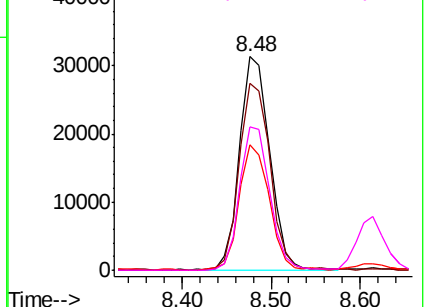
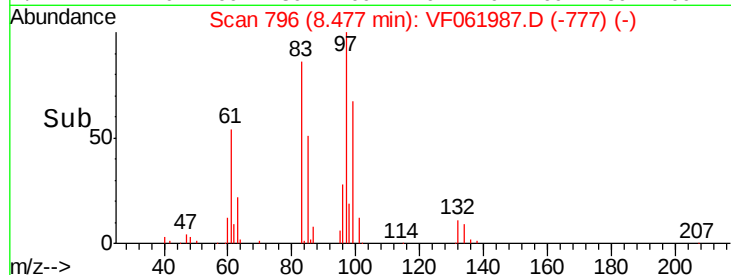
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.809 ug/l

RT: 8.61 min Scan# 810

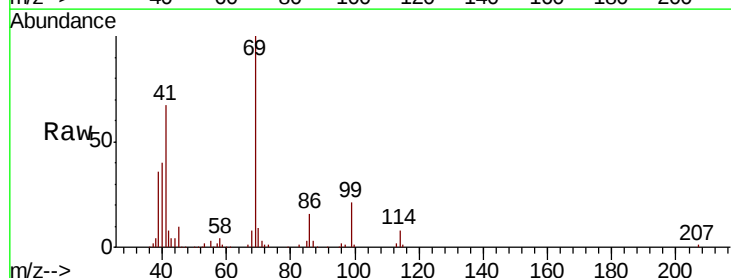
Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion: 69 Resp: 86185

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 67.4  | 54.7  | 82.1  |
| 39  | 35.5  | 27.9  | 41.9  |

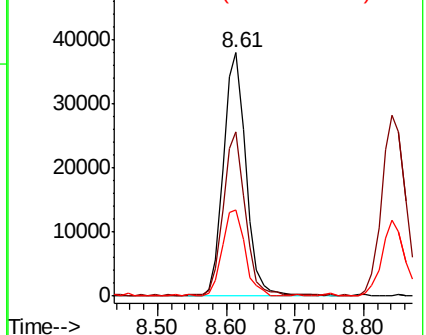
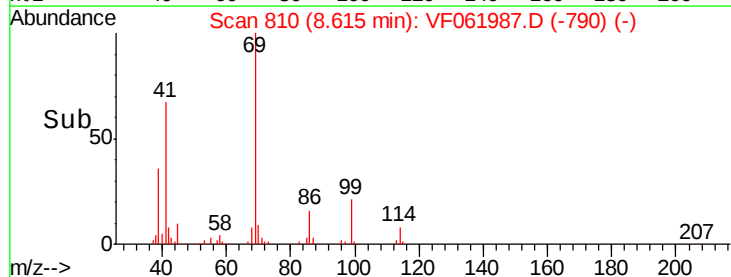


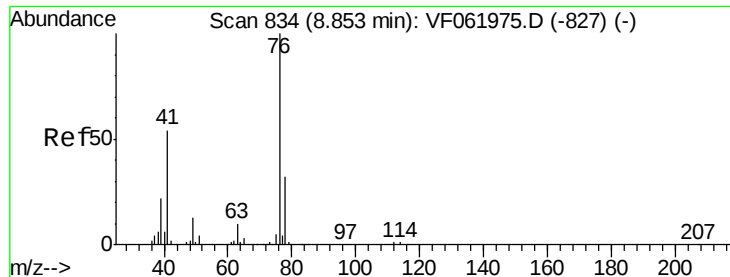
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

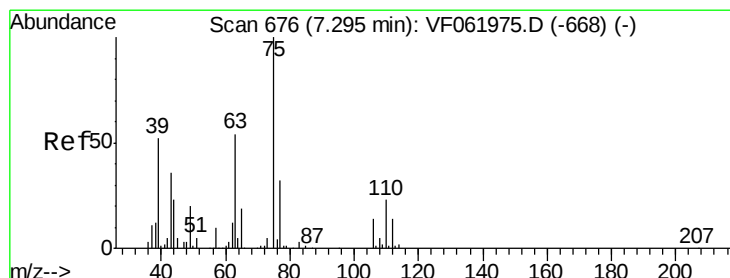
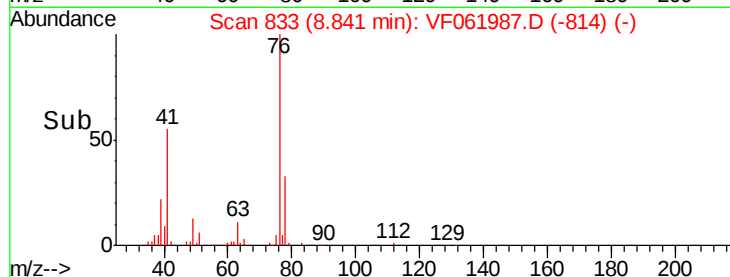
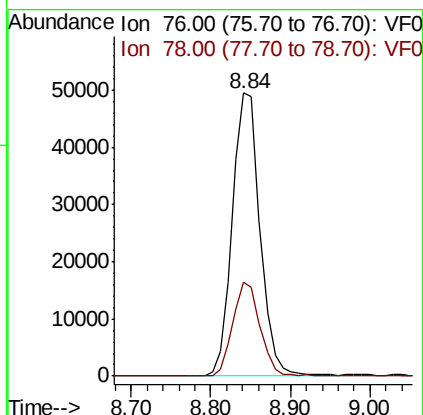
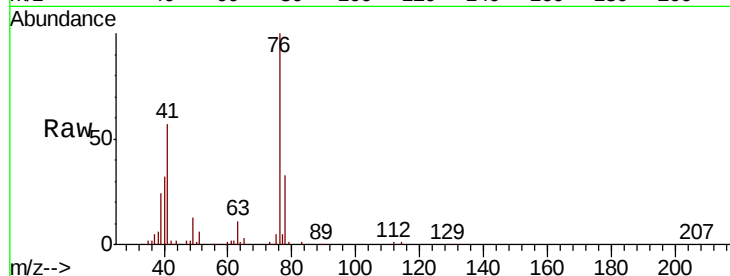




#57  
 1,3-Dichloropropane  
 Concen: 48.493 ug/l  
 RT: 8.84 min Scan# 833  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

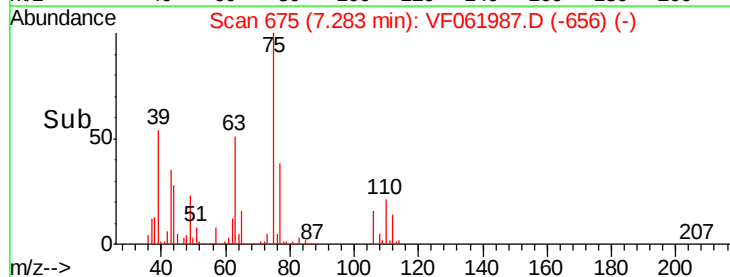
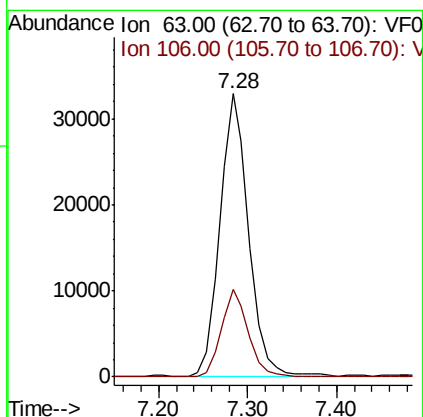
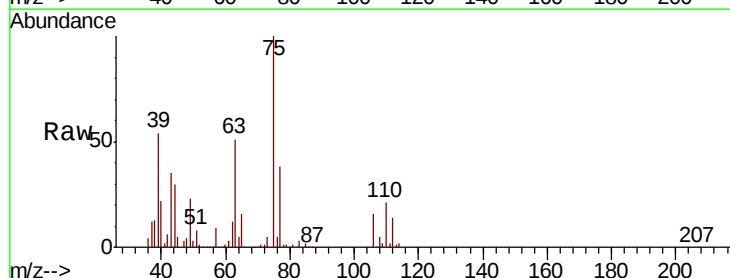
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

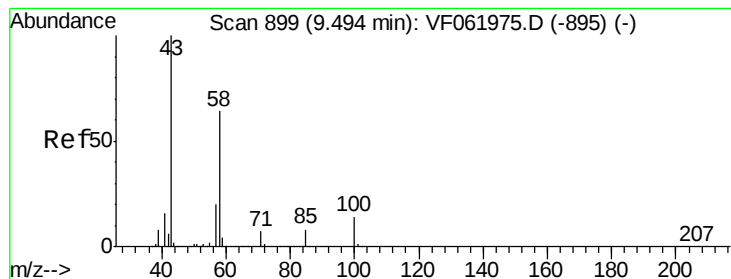
Tgt Ion: 76 Resp: 120706  
 Ion Ratio Lower Upper  
 76 100  
 78 33.0 25.4 38.2



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 242.247 ug/l  
 RT: 7.28 min Scan# 675  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 63 Resp: 74428  
 Ion Ratio Lower Upper  
 63 100  
 106 31.0 20.9 31.3





#59

2-Hexanone

Concen: 224.078 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

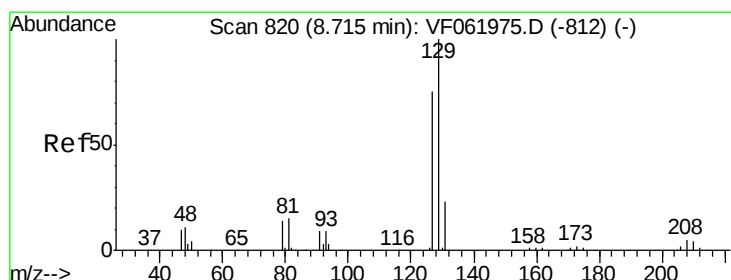
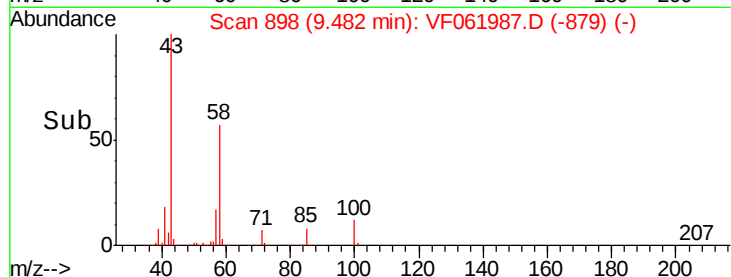
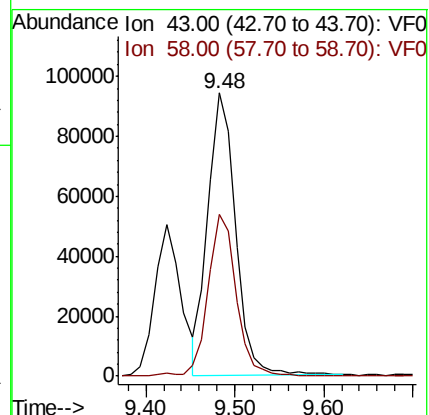
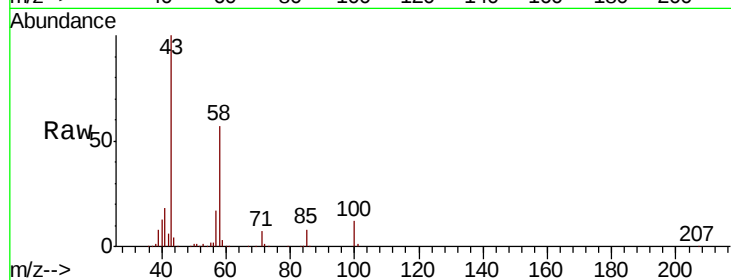
VSTDCCC050EC

Tgt Ion: 43 Resp: 202025

Ion Ratio Lower Upper

43 100

58 56.9 28.4 85.2



#60

Dibromochloromethane

Concen: 53.905 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061987.D

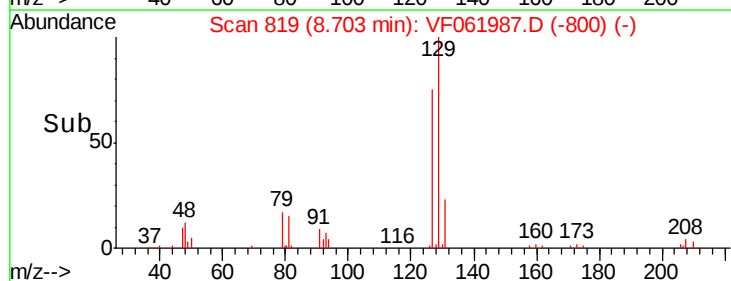
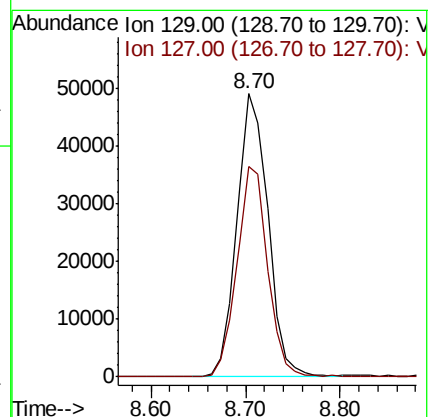
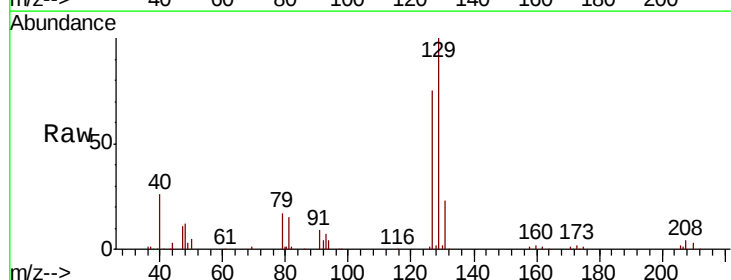
Acq: 16 Mar 2019 21:21

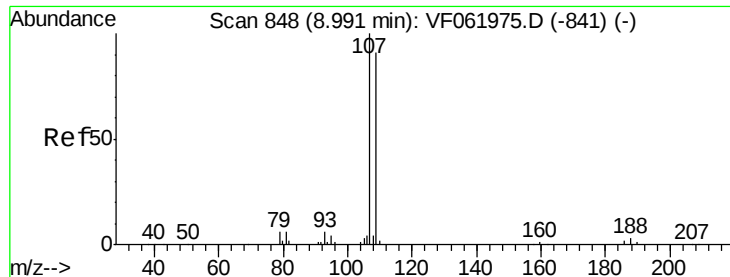
Tgt Ion: 129 Resp: 111667

Ion Ratio Lower Upper

129 100

127 74.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 51.864 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

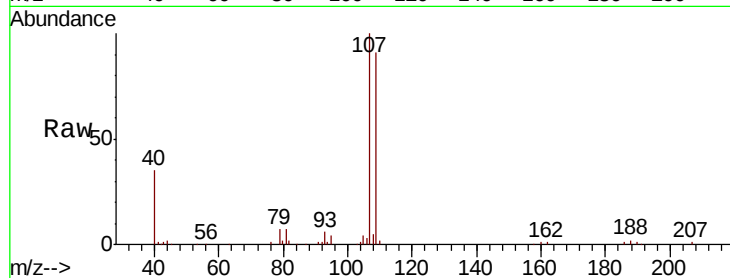
VSTDCCC050EC

Tgt Ion: 107 Resp: 83014

Ion Ratio Lower Upper

107 100

109 91.2 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

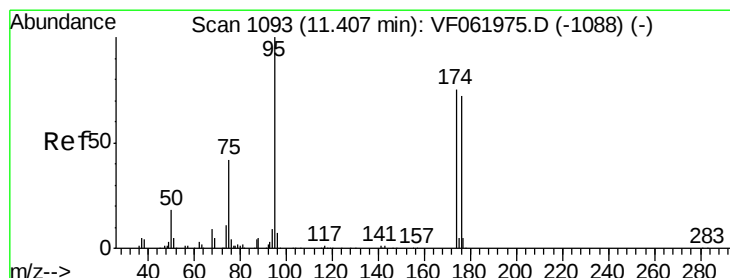
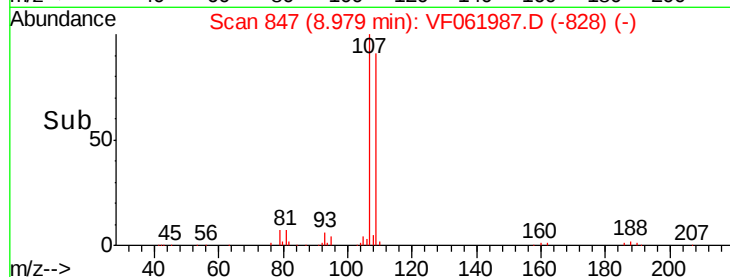
30000

20000

10000

0

Time--> 8.90 8.98 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 41.418 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

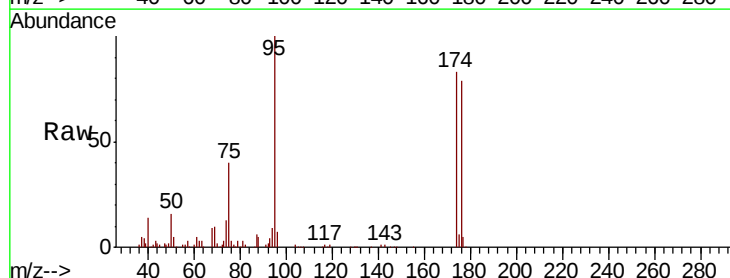
Tgt Ion: 95 Resp: 118114

Ion Ratio Lower Upper

95 100

174 82.7 0.0 149.4

176 78.9 0.0 143.4



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

100000

80000

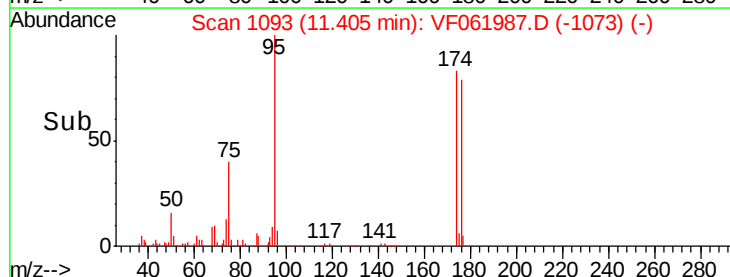
60000

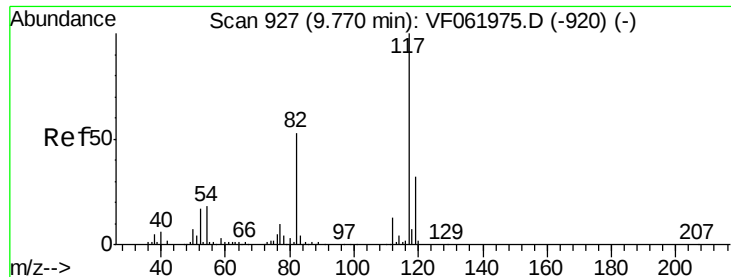
40000

20000

0

Time--> 11.30 11.40 11.50

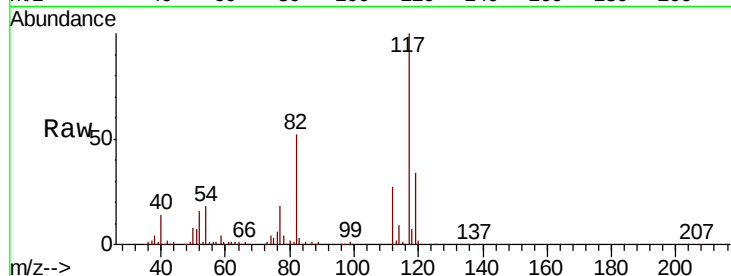




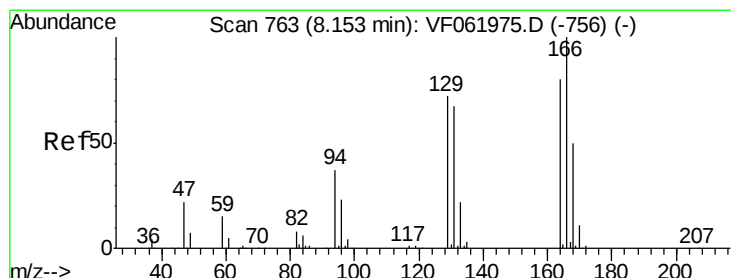
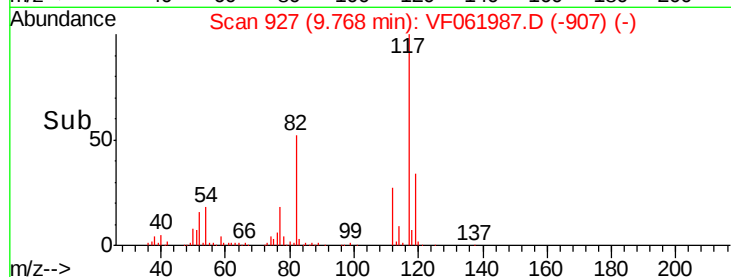
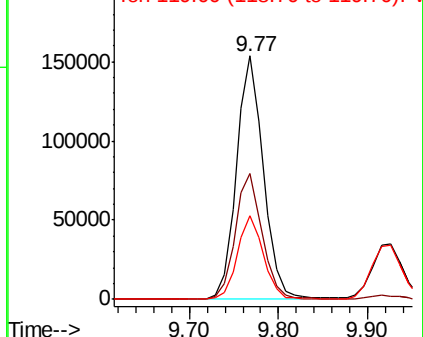
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.77 min Scan# 927  
Delta R.T. -0.00 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:117 Resp: 324275  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.5 63.7  
119 34.3 25.4 38.0

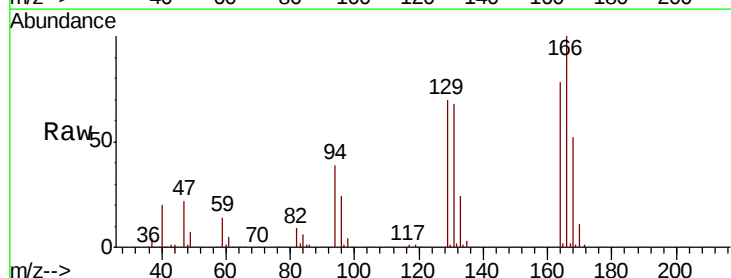


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 119.00 (118.70 to 119.70): V

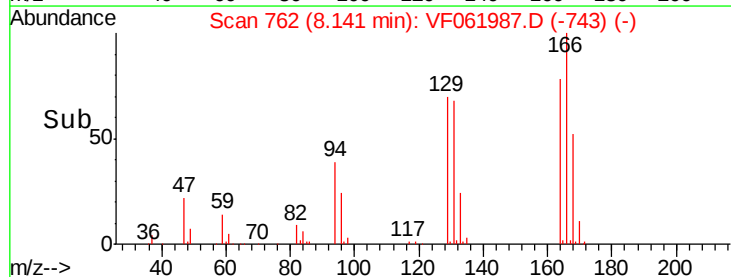
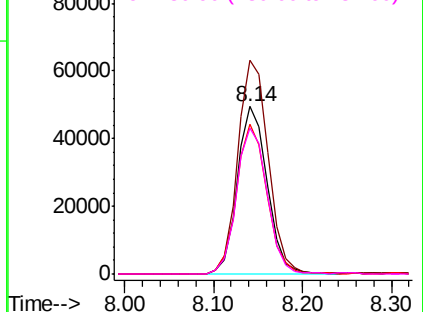


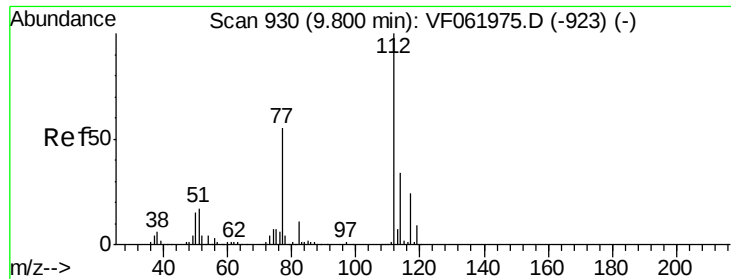
#64  
Tetrachloroethene  
Concen: 48.905 ug/l  
RT: 8.14 min Scan# 762  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion:164 Resp: 115275  
Ion Ratio Lower Upper  
164 100  
166 127.8 100.0 150.0  
129 89.3 72.4 108.6  
131 87.4 67.1 100.7



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V

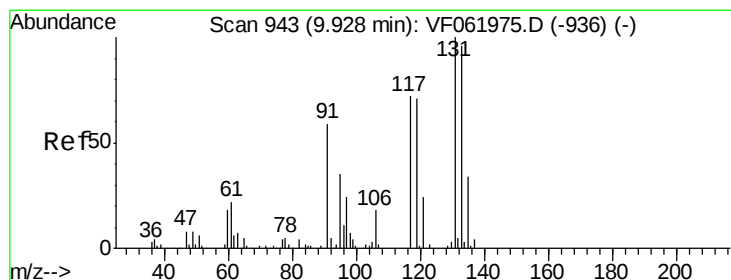
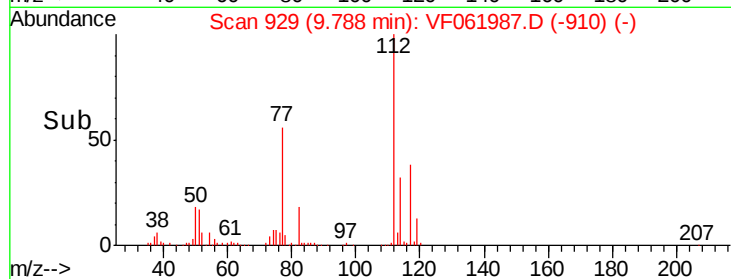
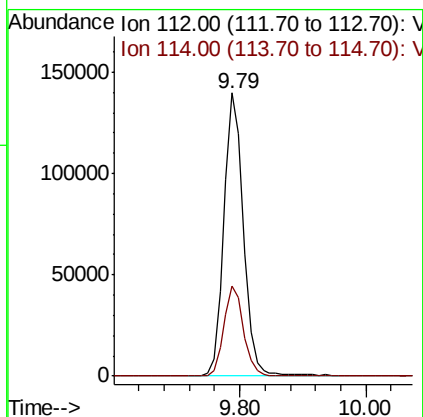
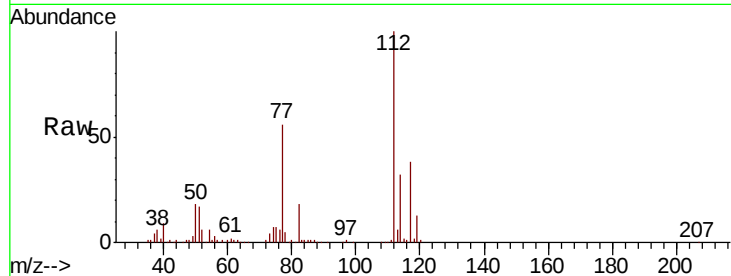




#65  
Chlorobenzene  
Concen: 49.921 ug/l  
RT: 9.79 min Scan# 929  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

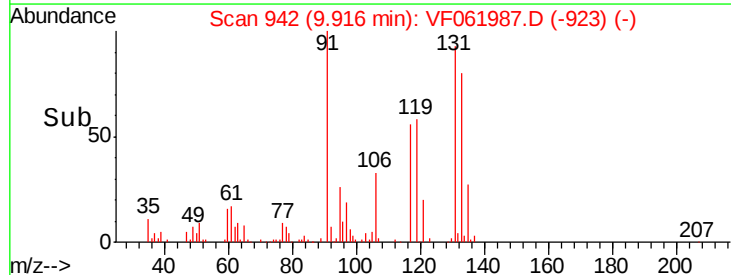
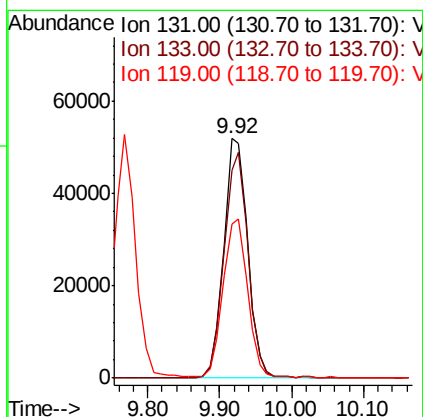
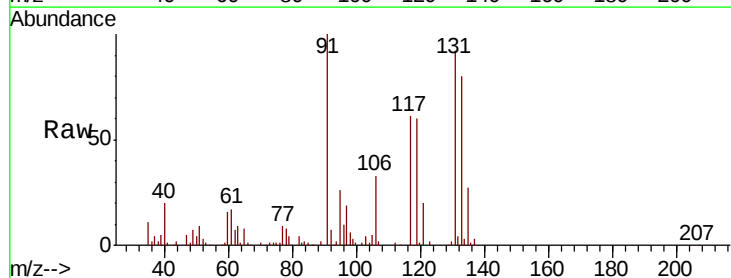
Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

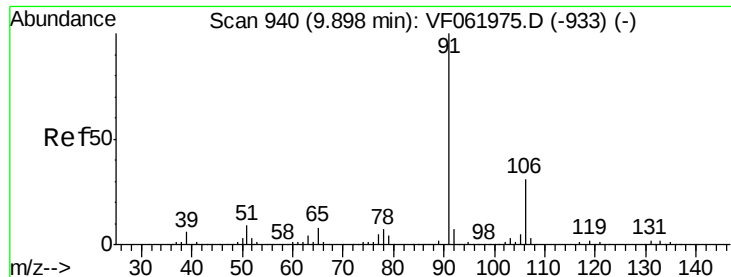
Tgt Ion:112 Resp: 301391  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.9 40.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.378 ug/l  
RT: 9.92 min Scan# 942  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion:131 Resp: 120237  
Ion Ratio Lower Upper  
131 100  
133 86.6 48.0 144.2  
119 64.4 35.9 107.7

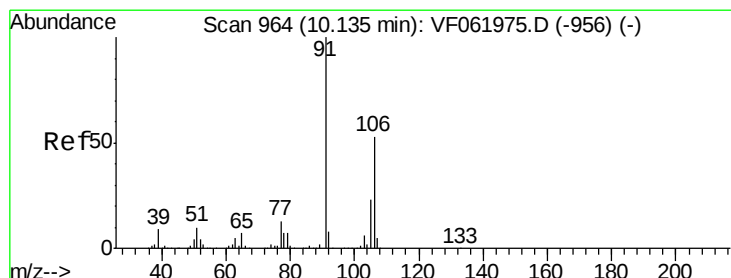
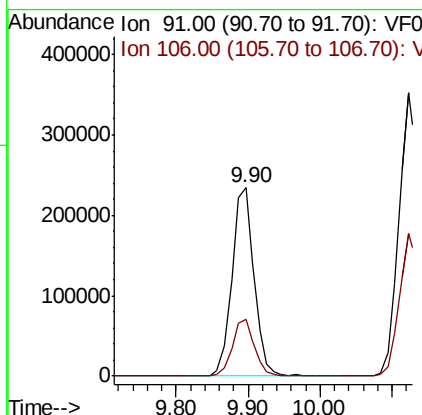
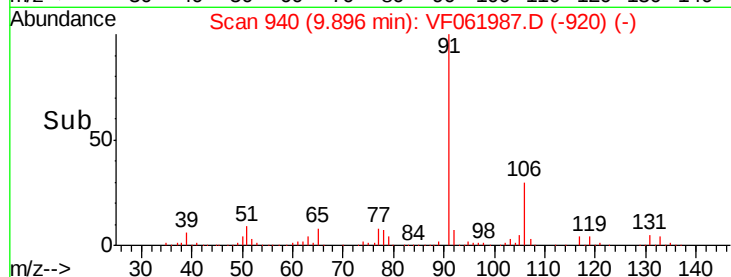
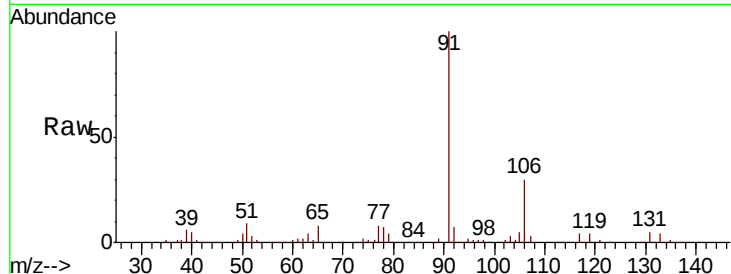




#67  
 Ethyl Benzene  
 Concen: 48.730 ug/l  
 RT: 9.90 min Scan# 940  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

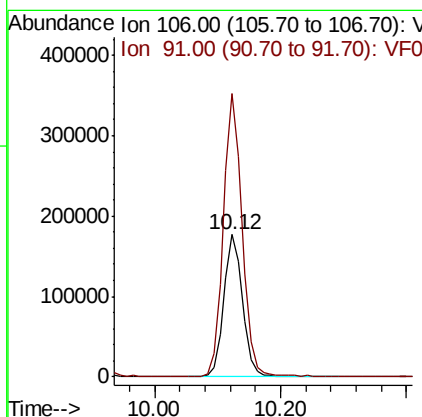
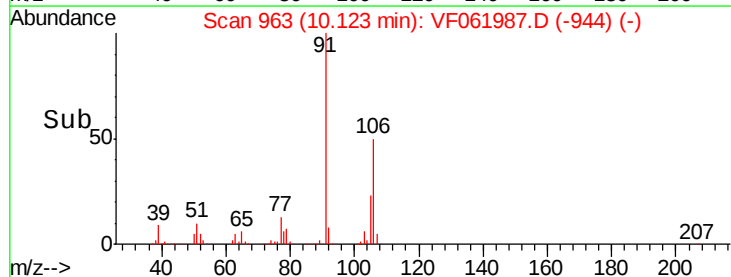
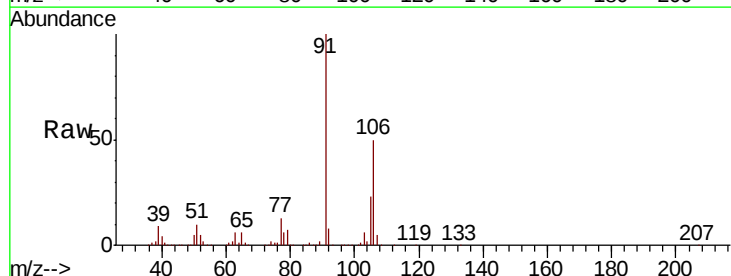
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

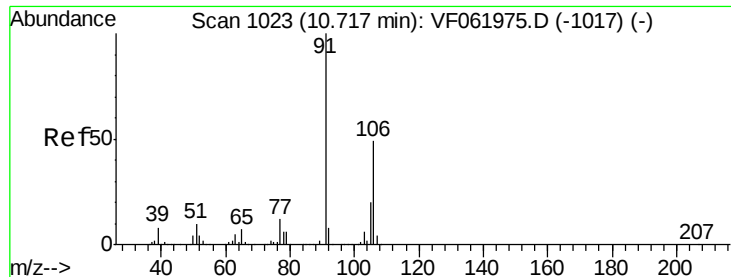
Tgt Ion: 91 Resp: 503745  
 Ion Ratio Lower Upper  
 91 100  
 106 30.1 24.4 36.6



#68  
 m/p-Xylenes  
 Concen: 94.448 ug/l  
 RT: 10.12 min Scan# 963  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 106 Resp: 367211  
 Ion Ratio Lower Upper  
 106 100  
 91 199.2 151.9 227.9

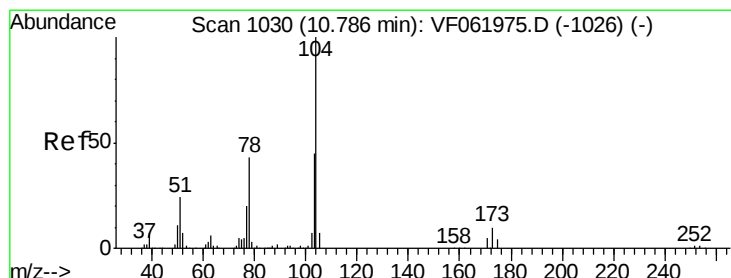
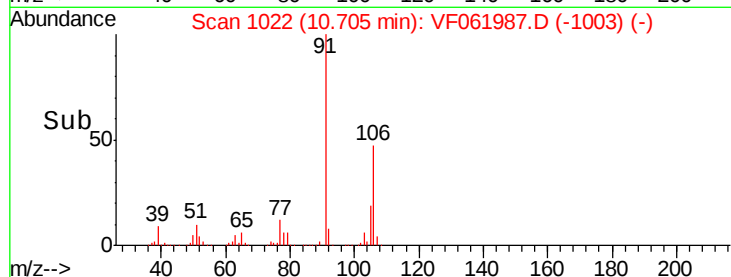
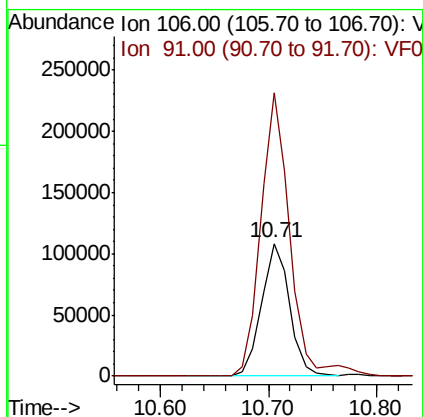
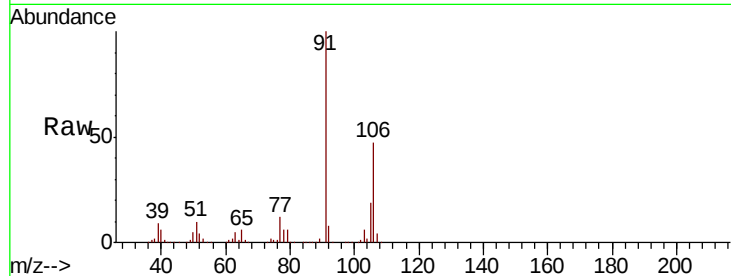




#69  
o-Xylene  
Concen: 47.730 ug/l  
RT: 10.71 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

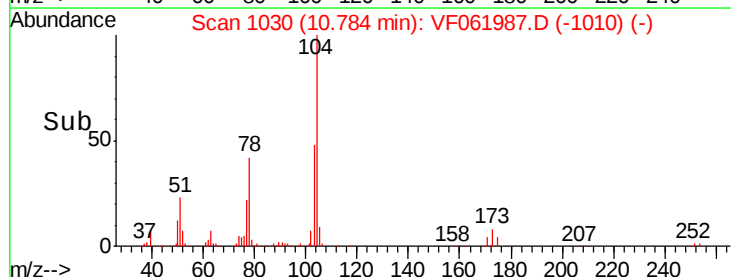
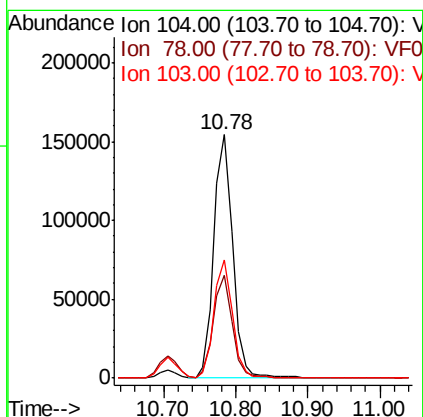
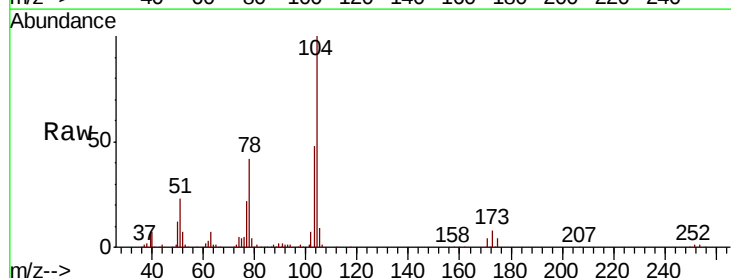
Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:106 Resp: 198570  
Ion Ratio Lower Upper  
106 100  
91 213.8 102.3 306.8



#70  
Styrene  
Concen: 48.020 ug/l  
RT: 10.78 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Tgt Ion:104 Resp: 276769  
Ion Ratio Lower Upper  
104 100  
78 42.0 34.7 52.1  
103 48.3 36.6 54.8





#71

Bromoform

Concen: 51.705 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

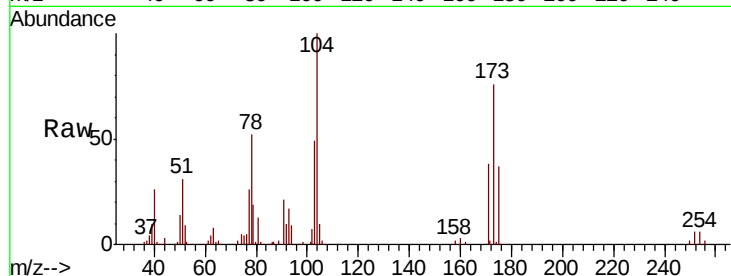
Tgt Ion:173 Resp: 61204

Ion Ratio Lower Upper

173 100

175 48.6 23.7 71.1

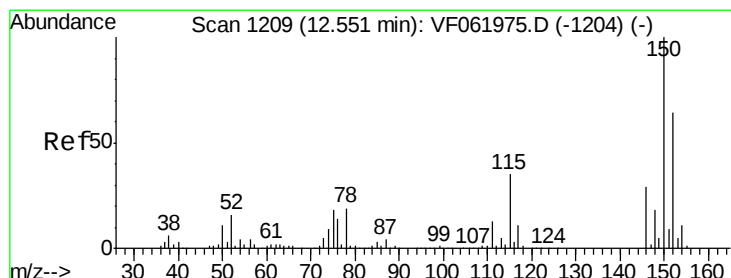
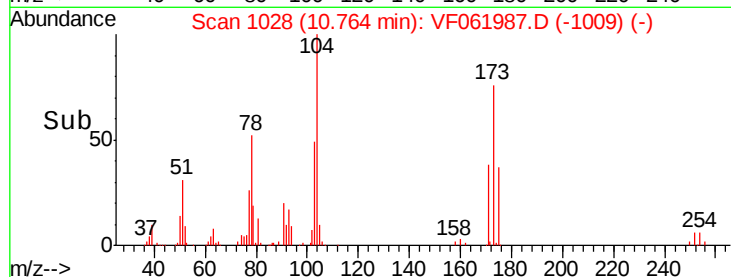
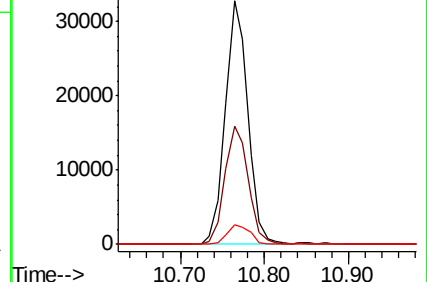
254 7.9 7.8 11.8



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: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

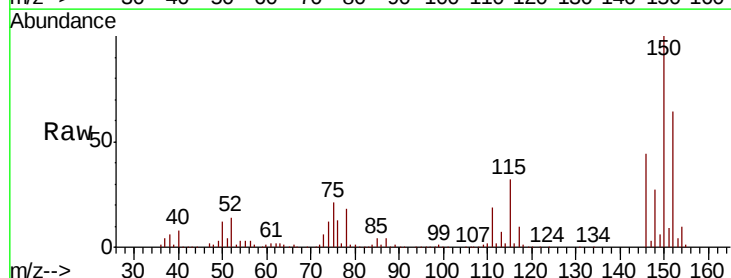
Tgt Ion:152 Resp: 166182

Ion Ratio Lower Upper

152 100

115 49.5 27.3 81.9

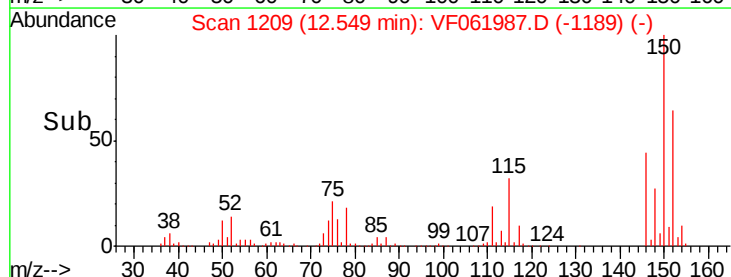
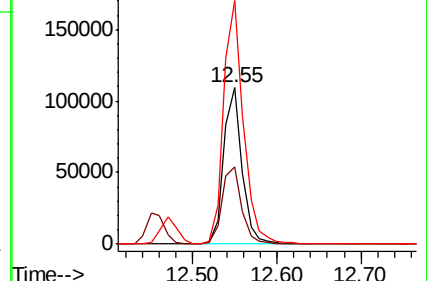
150 155.9 0.0 316.2

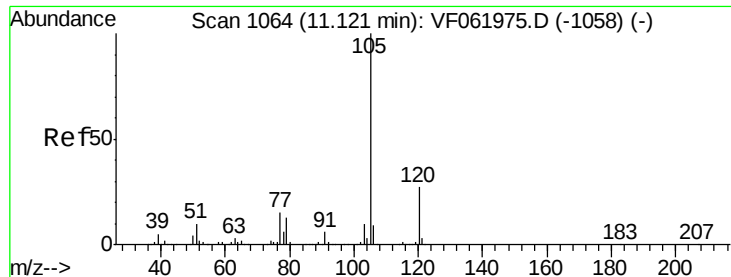


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.882 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

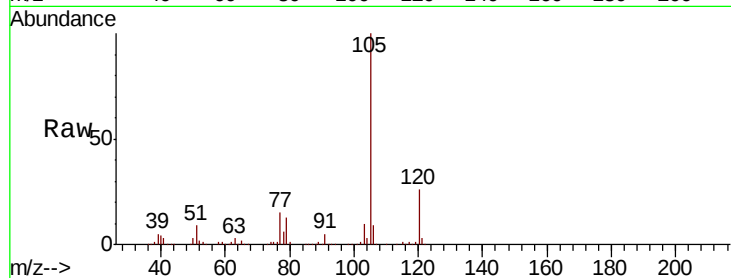
VSTDCCC050EC

Tgt Ion:105 Resp: 561204

Ion Ratio Lower Upper

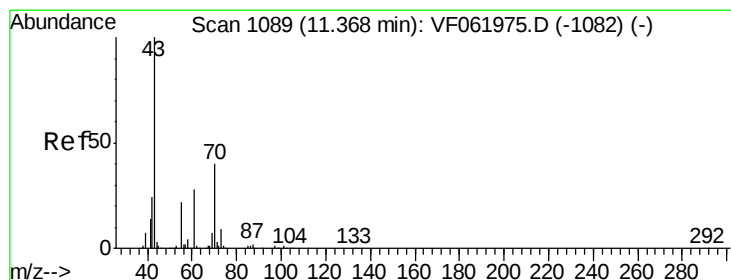
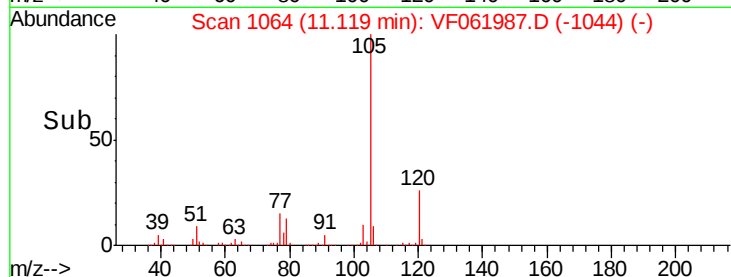
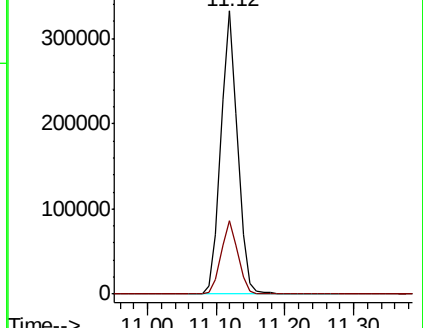
105 100

120 26.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.784 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion: 43 Resp: 130965

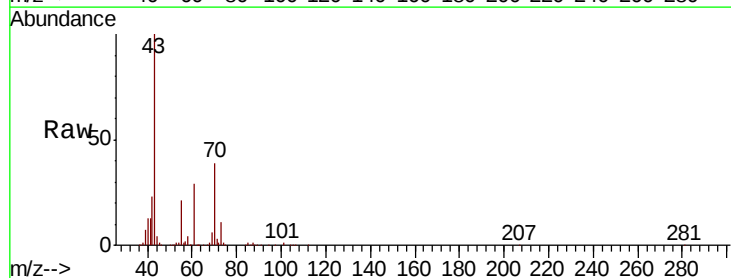
Ion Ratio Lower Upper

43 100

70 39.2 31.9 47.9

55 21.5 17.9 26.9

61 28.5 22.2 33.2

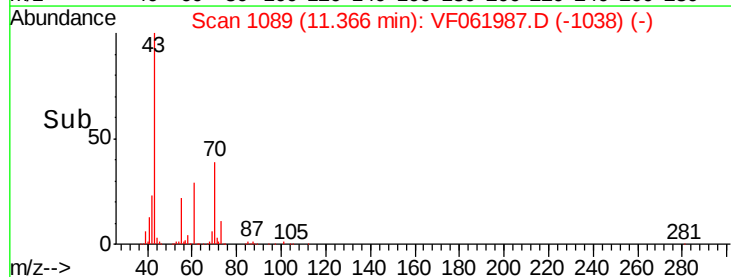
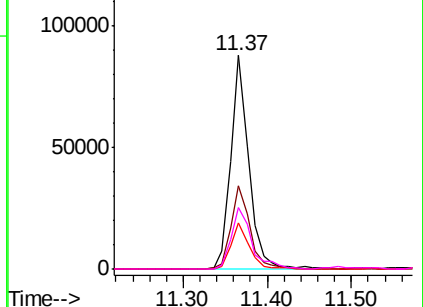


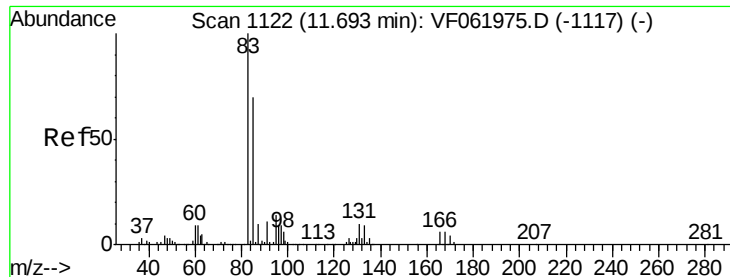
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.511 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

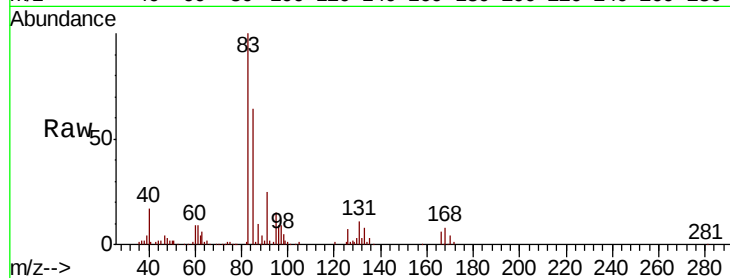
Tgt Ion: 83 Resp: 97616

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

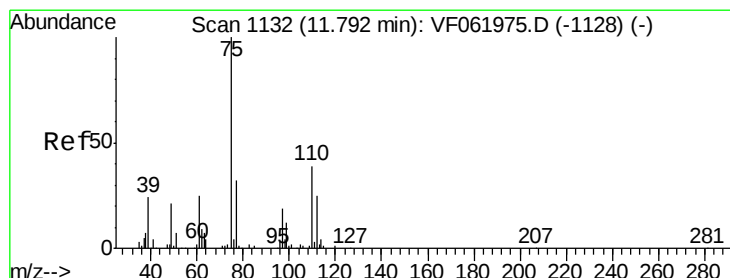
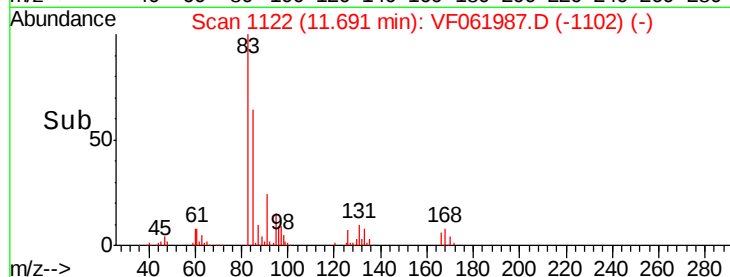
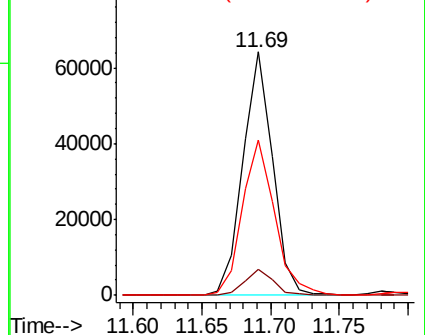
85 63.8 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.666 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061987.D

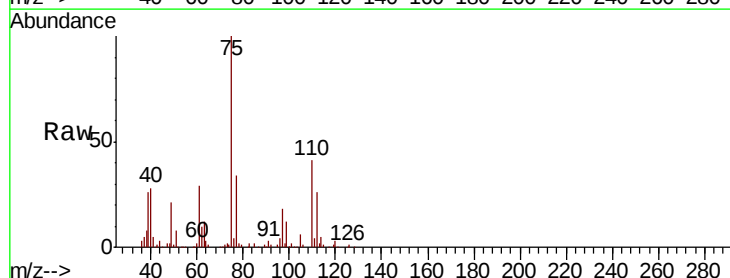
Acq: 16 Mar 2019 21:21

Tgt Ion: 75 Resp: 63163

Ion Ratio Lower Upper

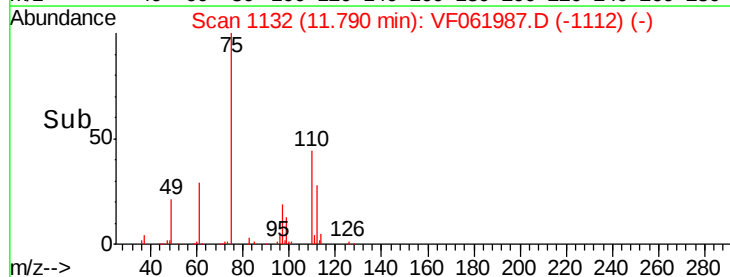
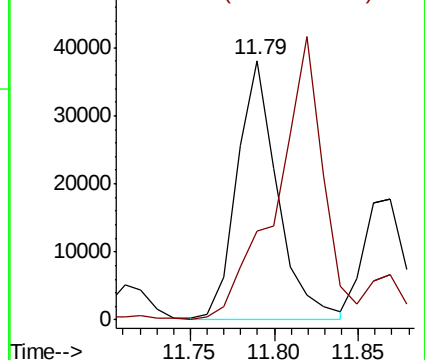
75 100

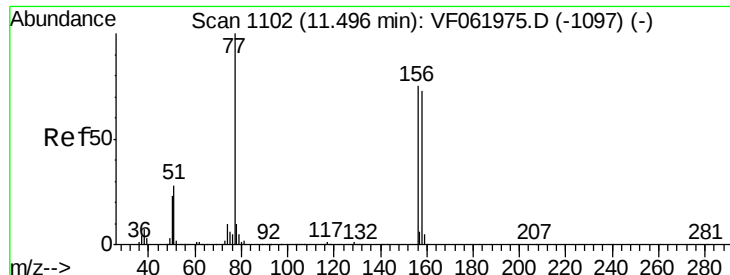
77 34.0 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.740 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

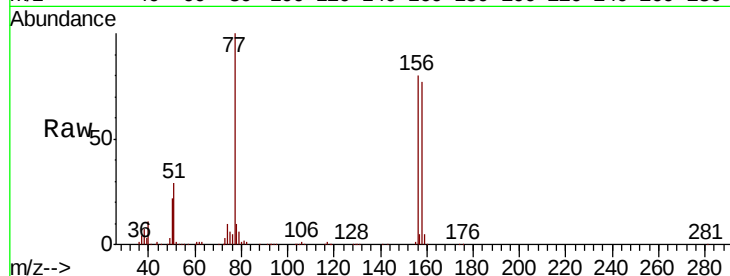
Tgt Ion: 156 Resp: 134905

Ion Ratio Lower Upper

156 100

77 125.2 67.0 201.0

158 96.1 48.9 146.7

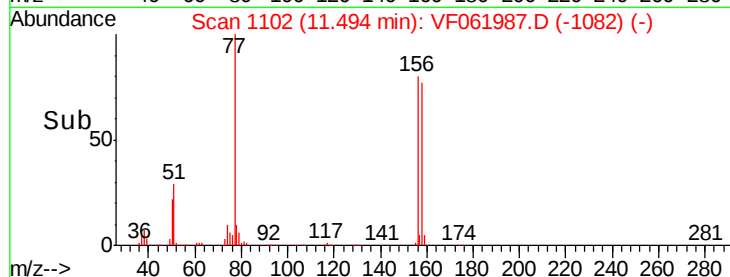
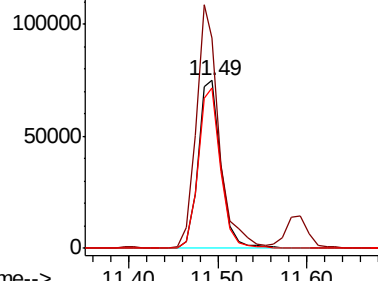


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 49.155 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061987.D

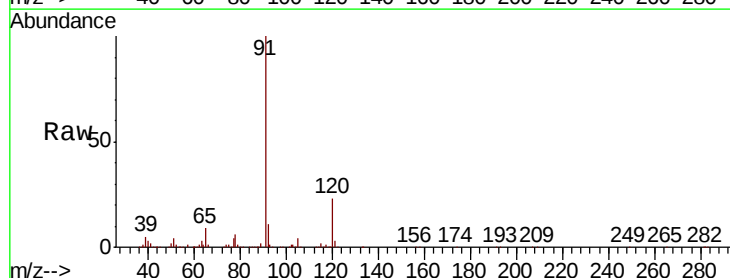
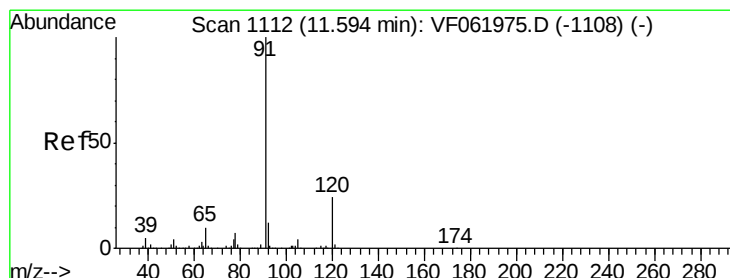
Acq: 16 Mar 2019 21:21

Tgt Ion: 91 Resp: 648905

Ion Ratio Lower Upper

91 100

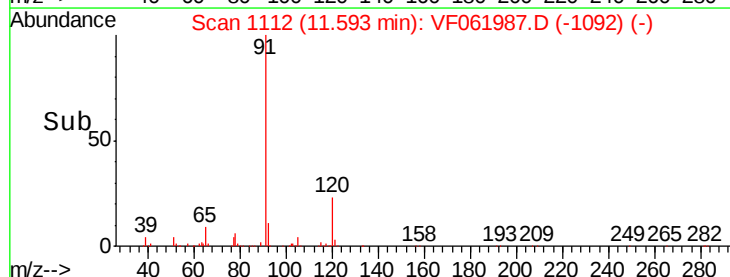
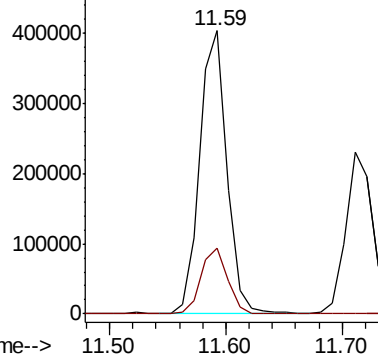
120 23.0 11.8 35.3

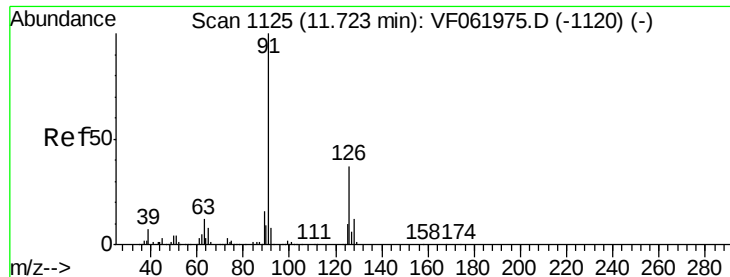


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.435 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

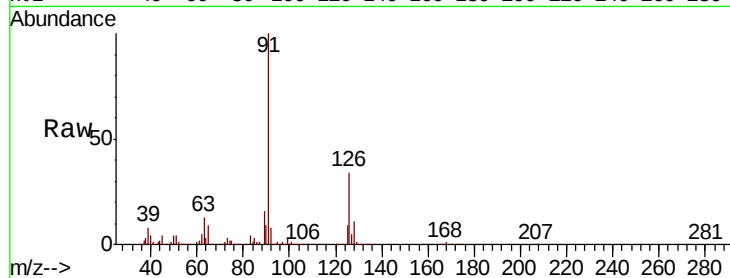
VSTDCCC050EC

Tgt Ion: 91 Resp: 368369

Ion Ratio Lower Upper

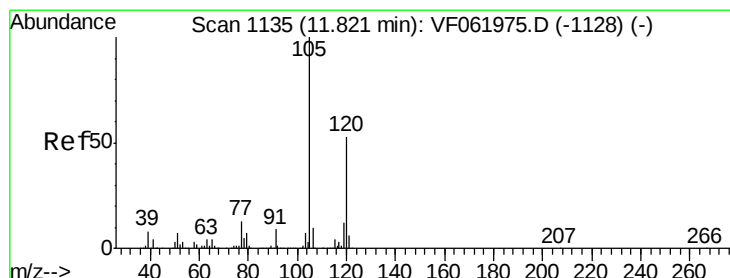
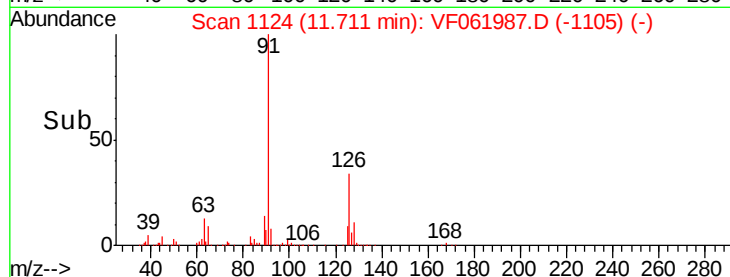
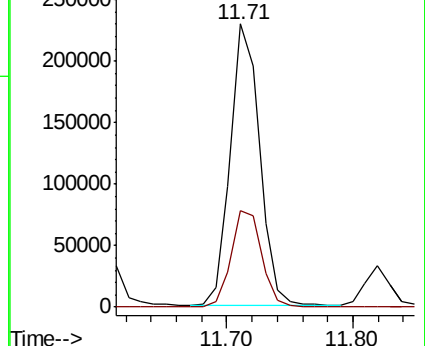
91 100

126 34.0 18.4 55.2



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: 50.228 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061987.D

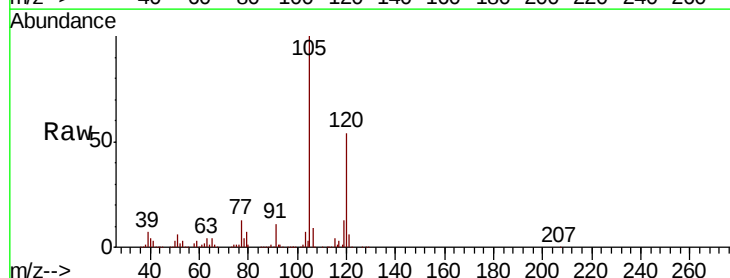
Acq: 16 Mar 2019 21:21

Tgt Ion: 105 Resp: 465820

Ion Ratio Lower Upper

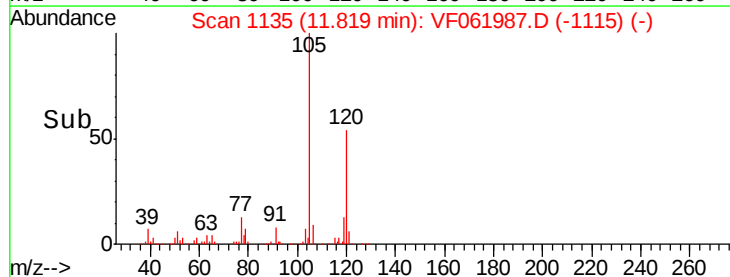
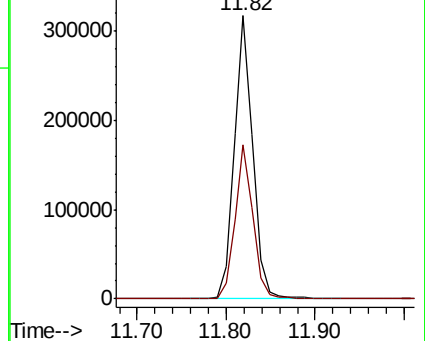
105 100

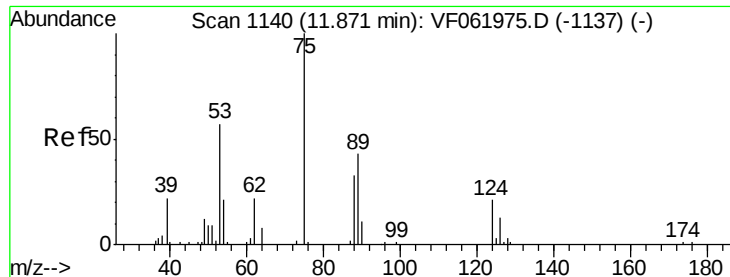
120 54.2 26.6 79.7



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: 67.633 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

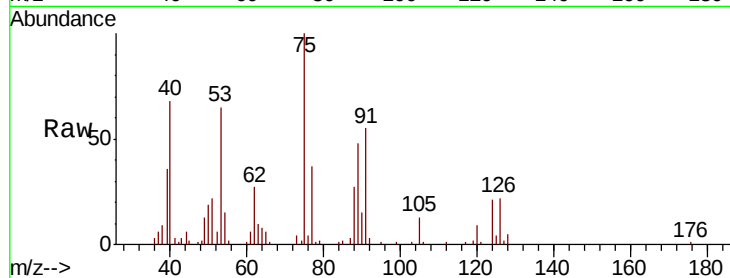
Tgt Ion: 75 Resp: 39648

Ion Ratio Lower Upper

75 100

53 65.4 49.0 73.6

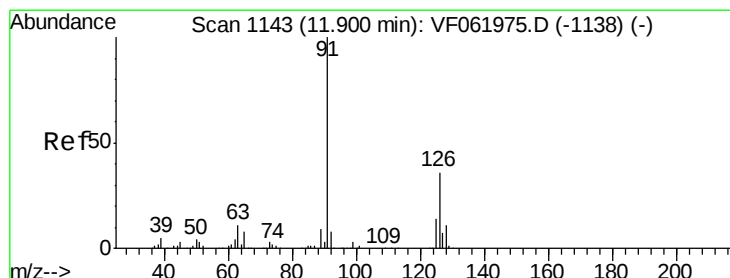
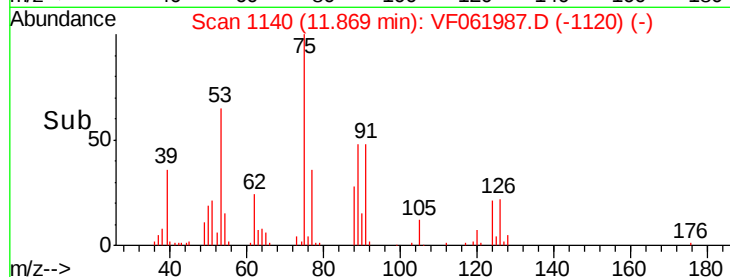
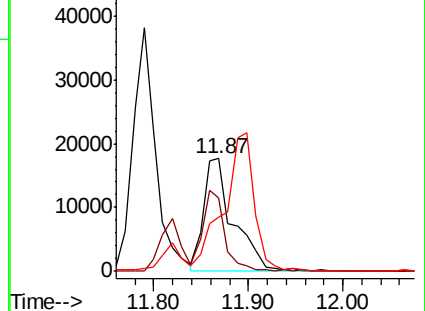
89 48.2 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.853 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061987.D

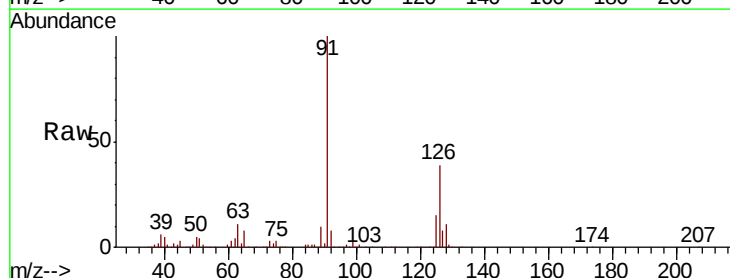
Acq: 16 Mar 2019 21:21

Tgt Ion: 91 Resp: 360595

Ion Ratio Lower Upper

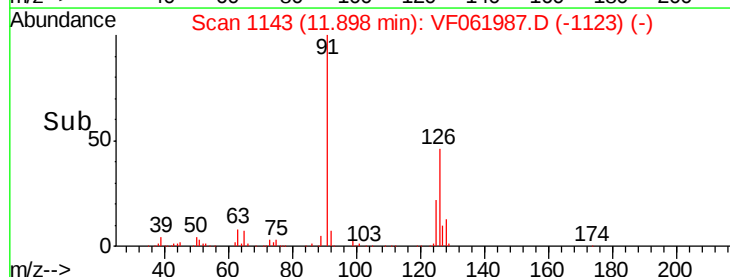
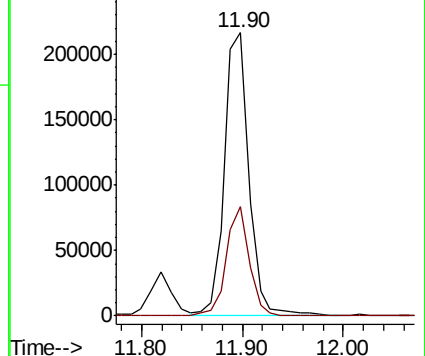
91 100

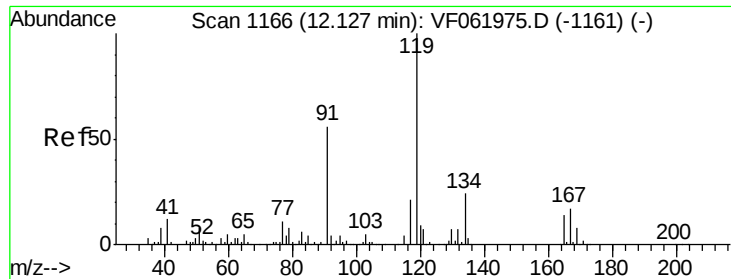
126 38.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

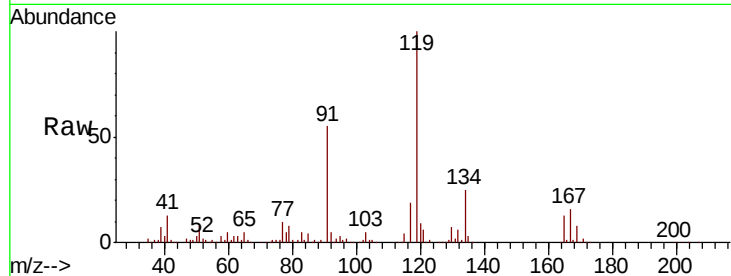




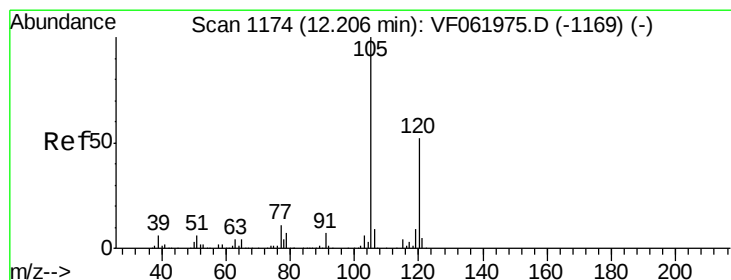
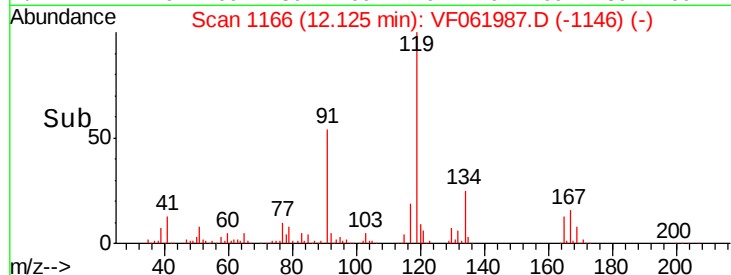
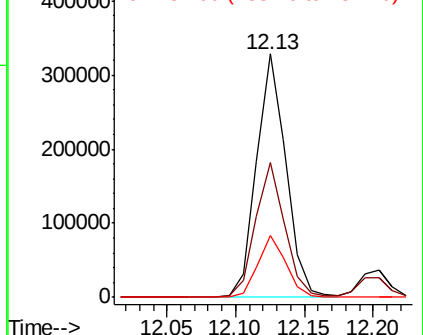
#83  
 tert-Butylbenzene  
 Concen: 50.838 ug/l  
 RT: 12.13 min Scan# 1166  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:119 Resp: 493080  
 Ion Ratio Lower Upper  
 119 100  
 91 55.2 27.9 83.6  
 134 25.4 12.3 36.8

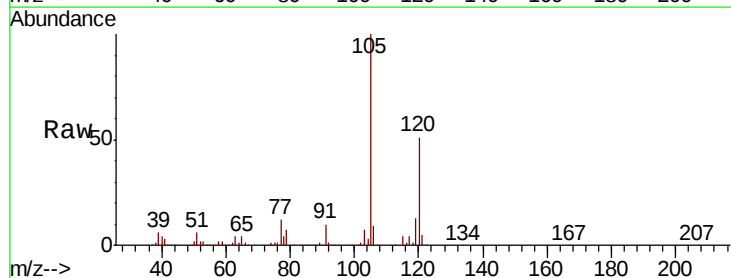


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VF0  
 Ion 134.00 (133.70 to 134.70): V

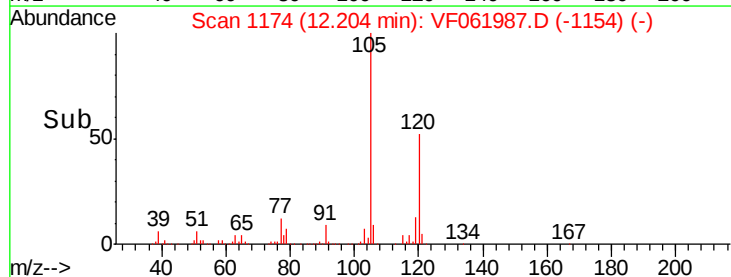
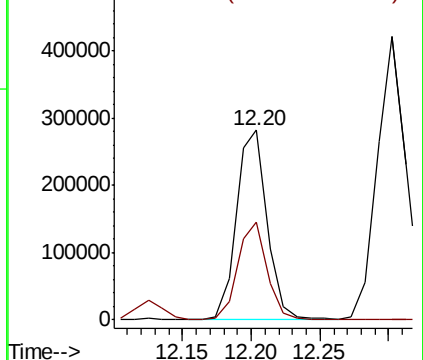


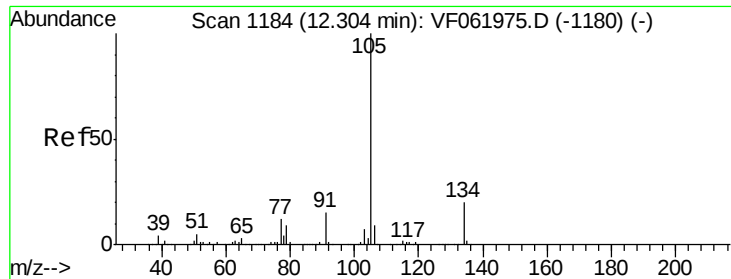
#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.122 ug/l  
 RT: 12.20 min Scan# 1174  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion:105 Resp: 437729  
 Ion Ratio Lower Upper  
 105 100  
 120 51.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

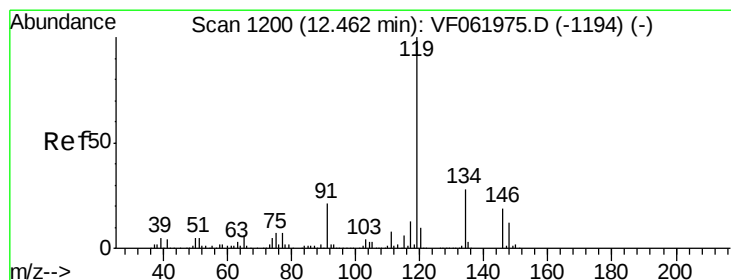
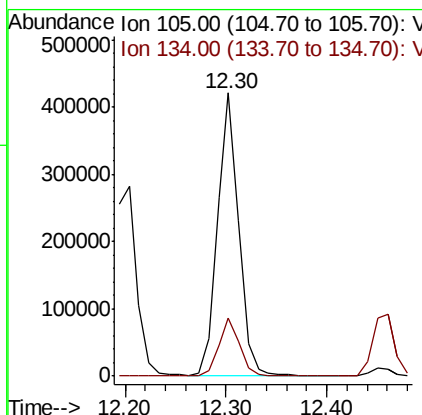
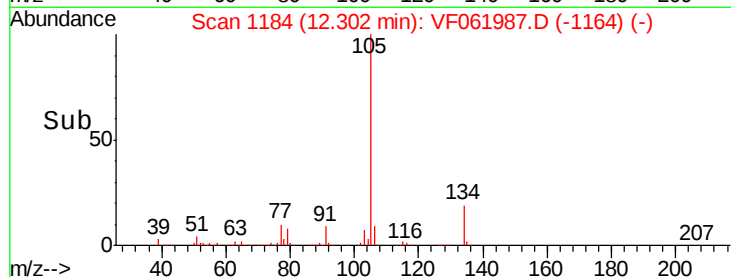
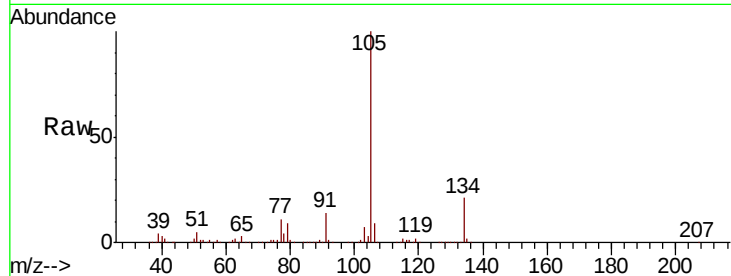




#85  
 sec-Butylbenzene  
 Concen: 46.904 ug/l  
 RT: 12.30 min Scan# 1184  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

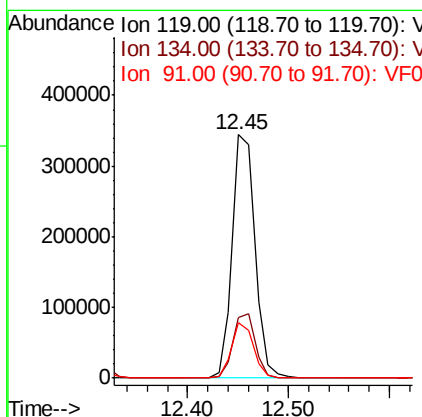
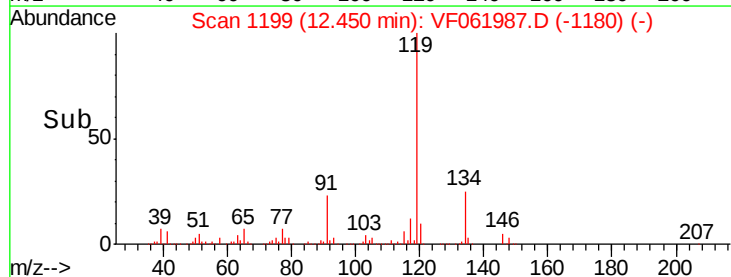
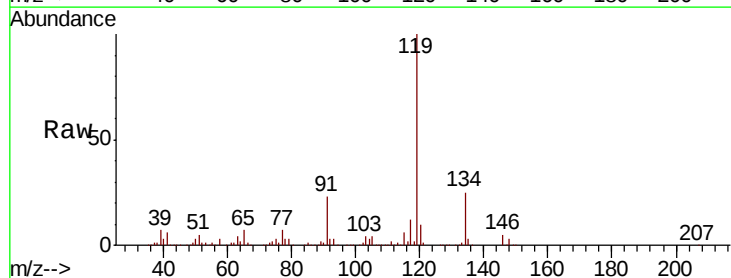
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

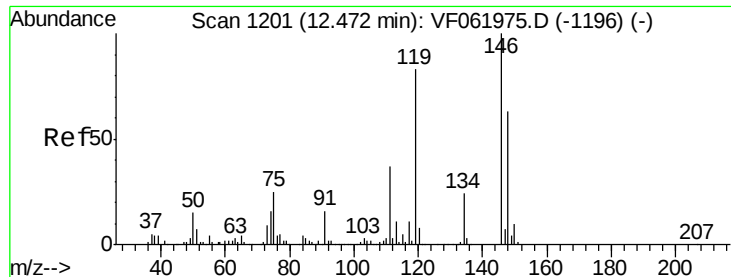
Tgt Ion:105 Resp: 614637  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 10.0 29.8



#86  
 p-Isopropyltoluene  
 Concen: 49.289 ug/l  
 RT: 12.45 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion:119 Resp: 538958  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 13.9 41.7  
 91 23.0 10.4 31.1

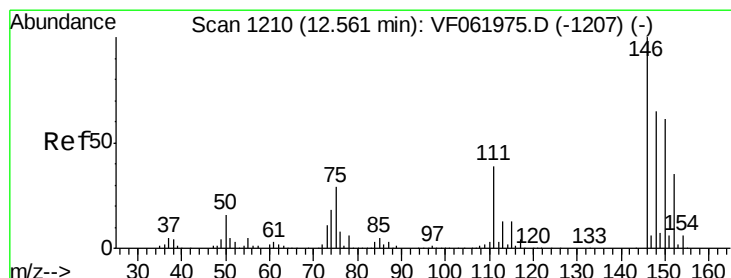
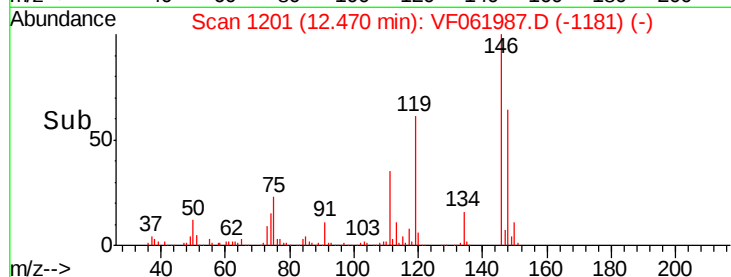
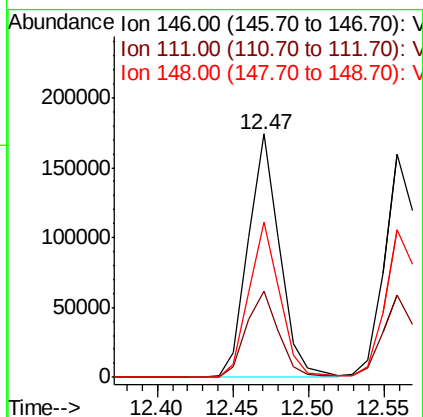
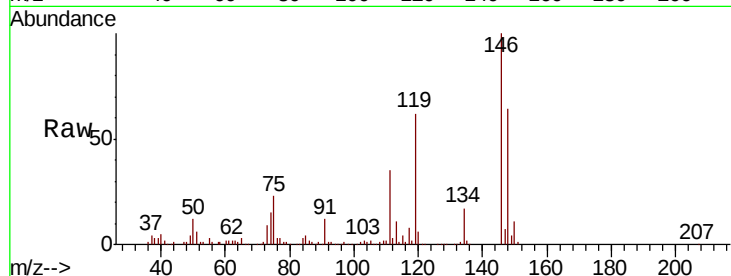




#87  
 1,3-Dichlorobenzene  
 Concen: 48.575 ug/l  
 RT: 12.47 min Scan# 1201  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

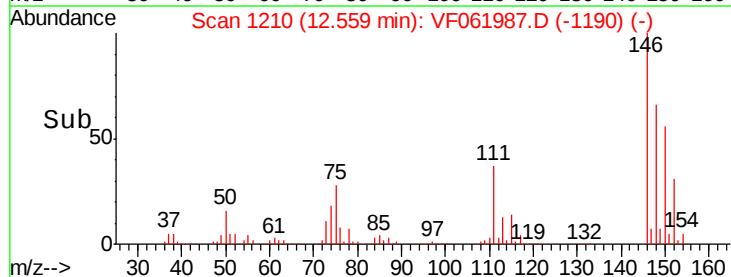
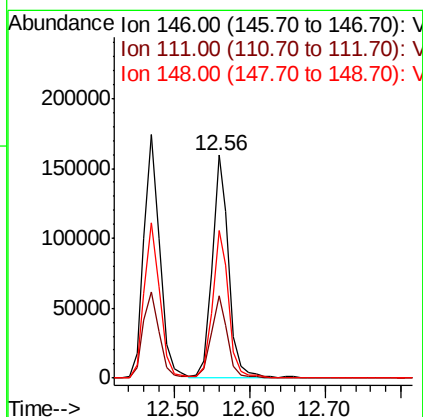
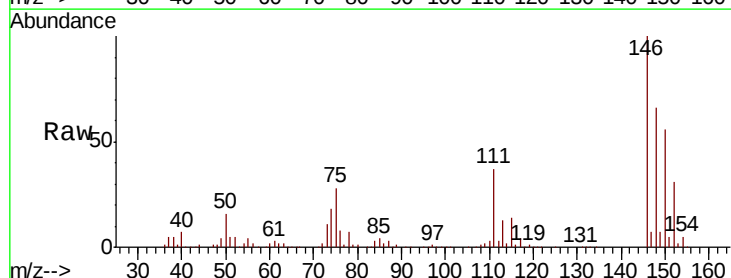
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

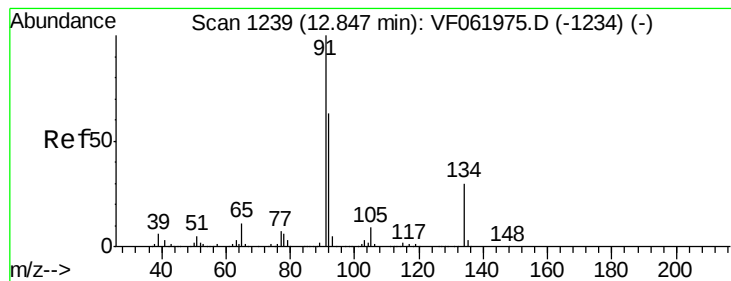
Tgt Ion:146 Resp: 253828  
 Ion Ratio Lower Upper  
 146 100  
 111 35.2 18.6 55.8  
 148 63.7 31.3 93.9



#88  
 1,4-Dichlorobenzene  
 Concen: 49.108 ug/l  
 RT: 12.56 min Scan# 1210  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion:146 Resp: 246993  
 Ion Ratio Lower Upper  
 146 100  
 111 36.9 19.4 58.1  
 148 66.2 32.4 97.0





#89

n-Butylbenzene

Concen: 49.581 ug/l

RT: 12.83 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050EC

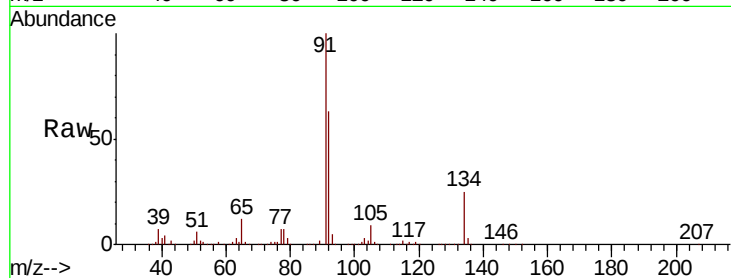
Tgt Ion: 91 Resp: 509441

Ion Ratio Lower Upper

91 100

92 63.0 31.7 95.1

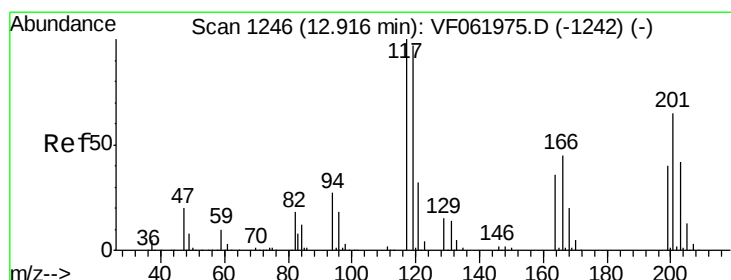
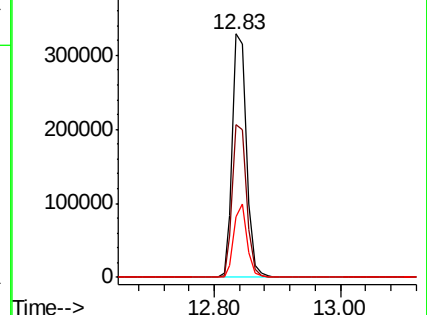
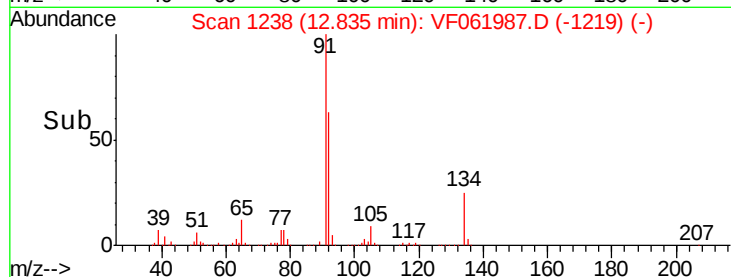
134 24.7 15.1 45.3



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: 51.327 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF061987.D

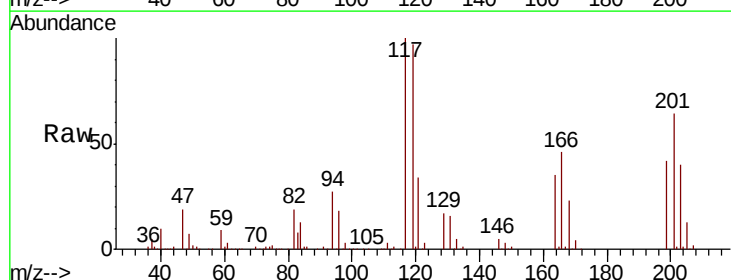
Acq: 16 Mar 2019 21:21

Tgt Ion: 117 Resp: 128079

Ion Ratio Lower Upper

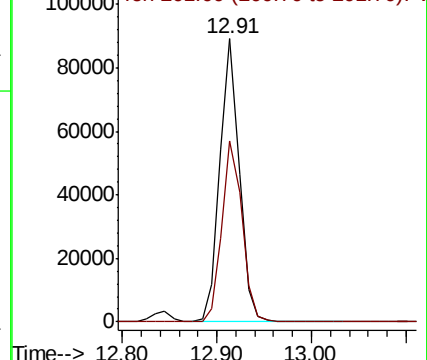
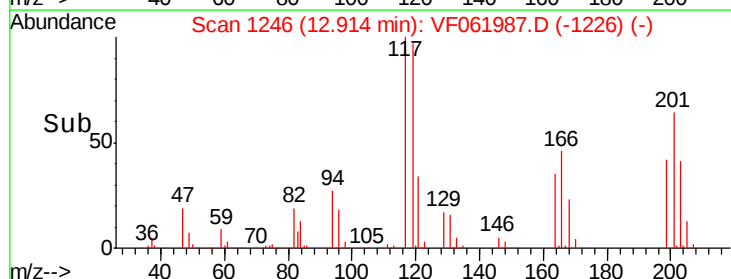
117 100

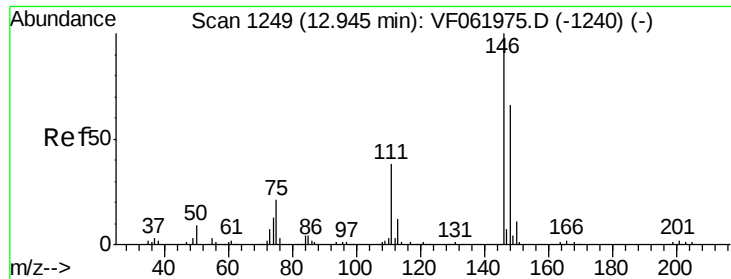
201 63.9 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

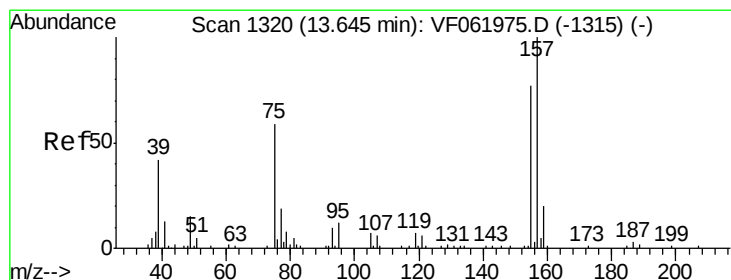
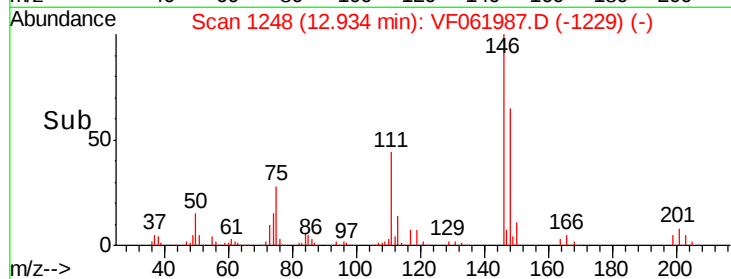
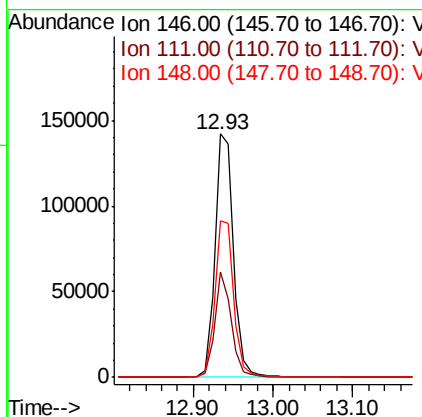
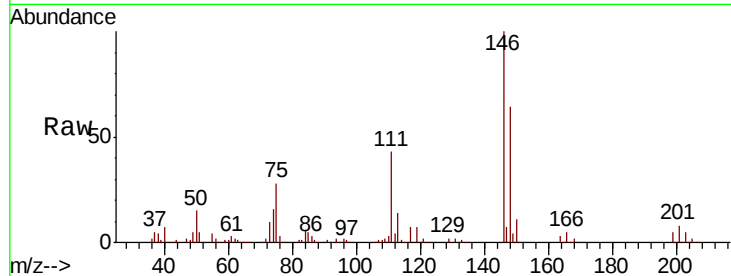




#91  
 1,2-Dichlorobenzene  
 Concen: 48.187 ug/l  
 RT: 12.93 min Scan# 1248  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

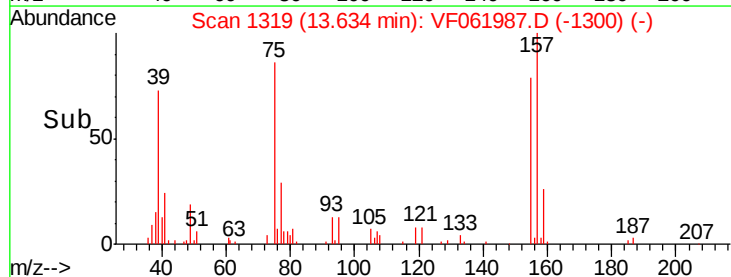
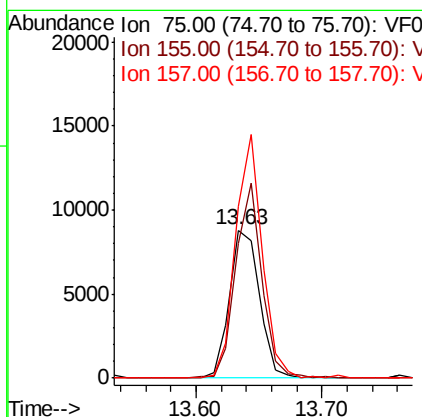
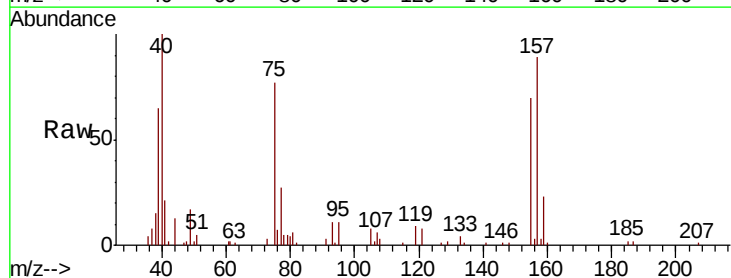
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

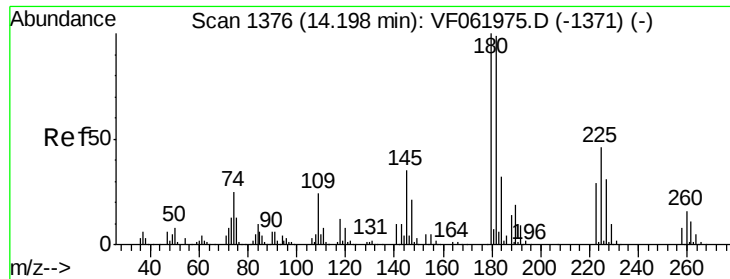
Tgt Ion: 146 Resp: 233218  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 18.9 56.5  
 148 64.4 32.9 98.6



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.428 ug/l  
 RT: 13.63 min Scan# 1319  
 Delta R.T. -0.01 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion: 75 Resp: 14423  
 Ion Ratio Lower Upper  
 75 100  
 155 91.1 65.0 195.1  
 157 115.8 84.7 254.0

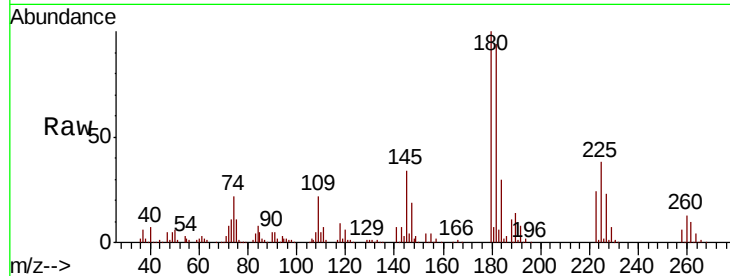




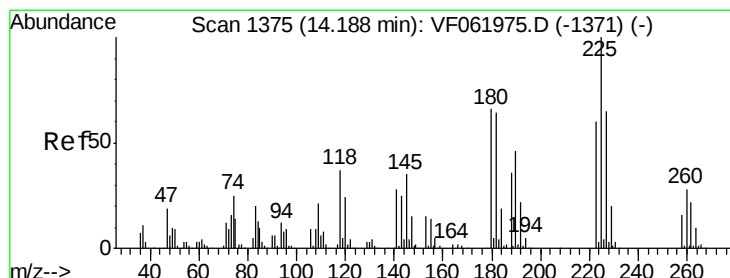
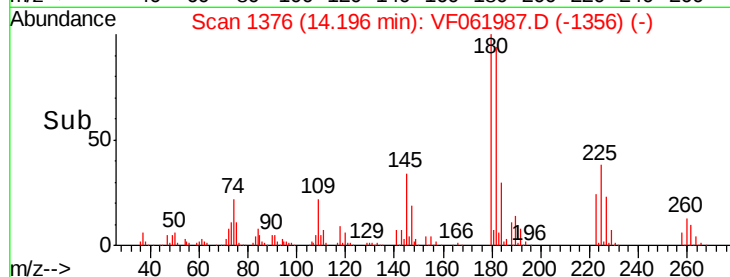
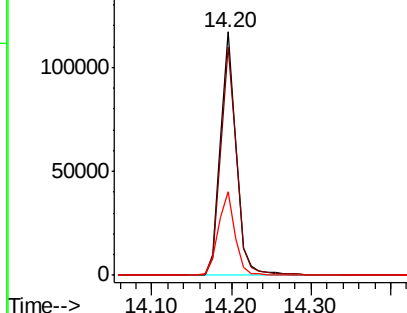
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.188 ug/l  
 RT: 14.20 min Scan# 1376  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:180 Resp: 165777  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 49.6 149.0  
 145 34.2 17.5 52.5

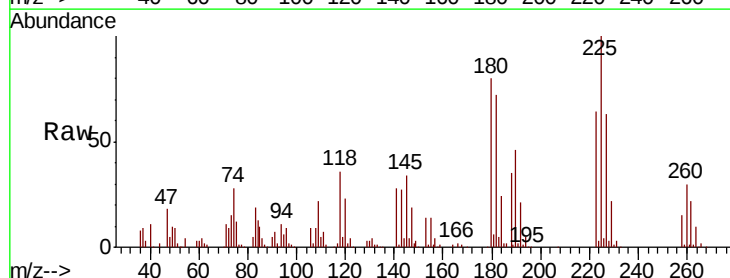


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

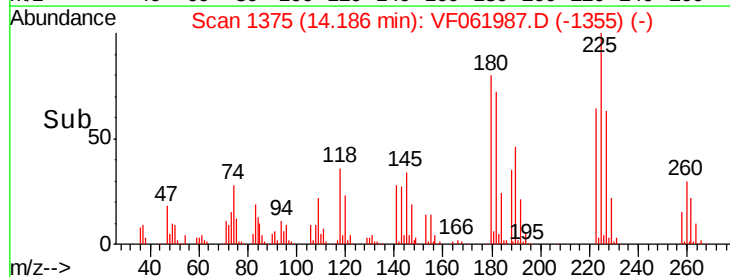
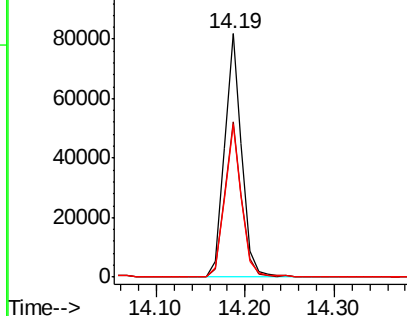


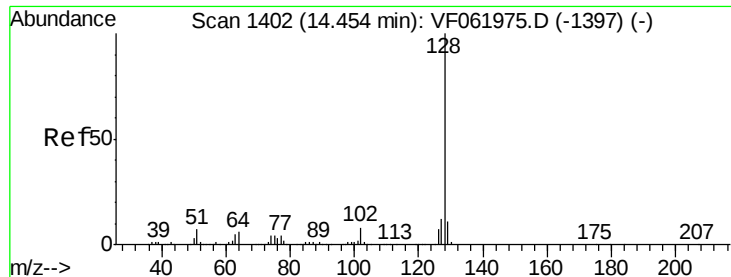
#94  
 Hexachlorobutadiene  
 Concen: 50.014 ug/l  
 RT: 14.19 min Scan# 1375  
 Delta R.T. -0.00 min  
 Lab File: VF061987.D  
 Acq: 16 Mar 2019 21:21

Tgt Ion:225 Resp: 111903  
 Ion Ratio Lower Upper  
 225 100  
 223 63.8 29.9 89.7  
 227 62.6 32.4 97.2



Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V

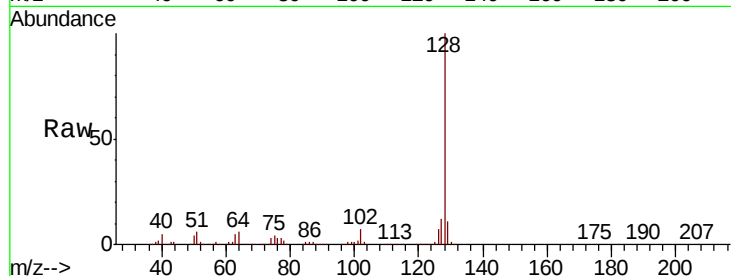




#95  
Naphthalene  
Concen: 50.120 ug/l  
RT: 14.45 min Scan# 1402  
Delta R.T. -0.00 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 11.6  | 9.3   | 13.9  |
| 129     | 11.4  | 9.1   | 13.7  |

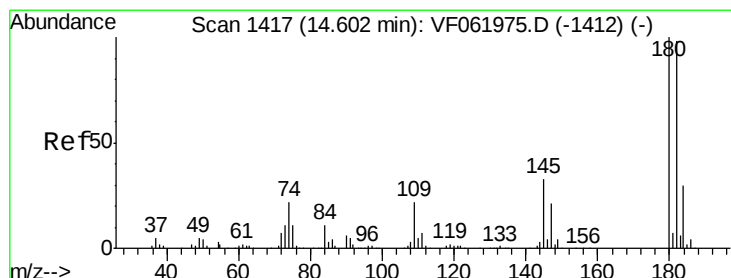
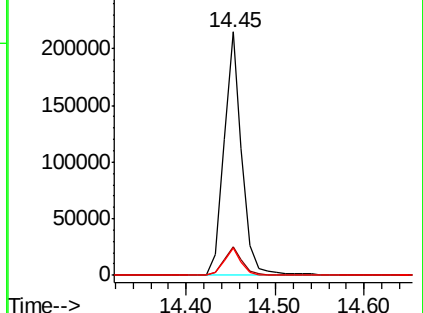
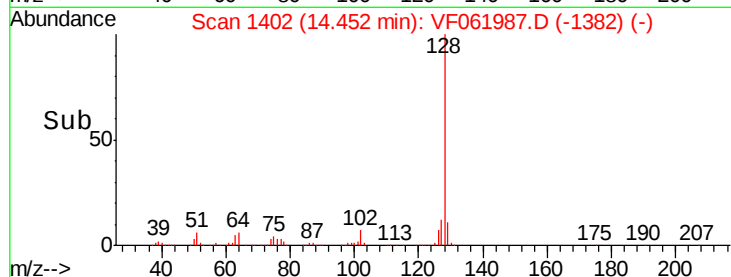


Abundance

Ion 128.00 (127.70 to 128.70): V

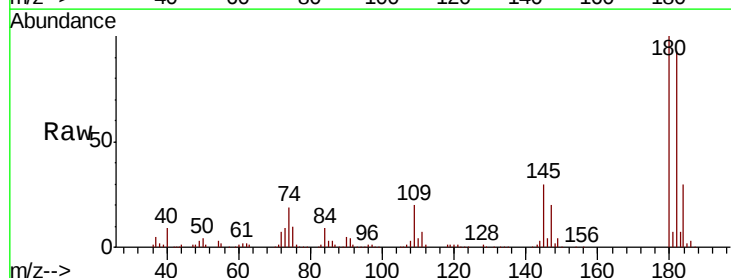
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 50.959 ug/l  
RT: 14.60 min Scan# 1417  
Delta R.T. -0.00 min  
Lab File: VF061987.D  
Acq: 16 Mar 2019 21:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.9  | 48.9  | 146.8 |
| 145     | 29.8  | 16.7  | 50.1  |



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

