

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\  
 Data File : VF059927.D  
 Acq On : 8 Aug 2018 13:19  
 Operator : VA/AP  
 Sample : VF0808SBS01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

Quant Time: Aug 09 05:20:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F080418S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 04 07:08:36 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.05  | 168  | 97513    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.77  | 114  | 138127   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.93  | 117  | 139206   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.64 | 152  | 95290    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.03   | 65  | 100543   | 57.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.38% |      |
| 35) Dibromofluoromethane  | 4.30   | 113 | 78169    | 56.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 113.76% |      |
| 50) Toluene-d8            | 7.72   | 98  | 160910   | 55.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.06% |      |
| 62) 4-Bromofluorobenzene  | 11.51  | 95  | 96237    | 58.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 117.14% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.99 | 85  | 32263  | 19.36  | ug/l   | 94     |
| 3) Chloromethane              | 1.09 | 50  | 15103  | 19.60  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.16 | 62  | 15135  | 19.17  | ug/l   | 88     |
| 5) Bromomethane               | 1.34 | 94  | 14869  | 19.95  | ug/l   | 98     |
| 6) Chloroethane               | 1.43 | 64  | 11621  | 23.43  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 1.53 | 101 | 43651  | 20.20  | ug/l   | 95     |
| 8) Diethyl Ether              | 1.71 | 74  | 8045   | 23.46  | ug/l   | 87     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101 | 24352  | 20.42  | ug/l   | 97     |
| 10) Methyl Iodide             | 1.97 | 142 | 38389  | 20.96  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 2.69 | 59  | 10145  | 143.07 | ug/l   | 95     |
| 12) 1,1-Dichloroethene        | 1.86 | 96  | 17478  | 20.07  | ug/l   | 99     |
| 13) Acrolein                  | 2.09 | 56  | 3673   | 86.43  | ug/l   | 90     |
| 14) Allyl chloride            | 2.19 | 41  | 19495  | 13.42  | ug/l # | 78     |
| 15) Acrylonitrile             | 3.08 | 53  | 14320  | 110.20 | ug/l # | 91     |
| 16) Acetone                   | 2.34 | 43  | 38245  | 117.84 | ug/l   | 99     |
| 17) Carbon Disulfide          | 1.88 | 76  | 45610  | 19.61  | ug/l   | 98     |
| 18) Methyl Acetate            | 2.45 | 43  | 12948  | 23.65  | ug/l # | 87     |
| 19) Methyl tert-butyl Ether   | 2.54 | 73  | 59938  | 24.30  | ug/l   | 96     |
| 20) Methylene Chloride        | 2.28 | 84  | 8163   | 4.64   | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 2.42 | 96  | 17559  | 20.29  | ug/l   | 90     |
| 22) Diisopropyl ether         | 2.93 | 45  | 61042  | 21.85  | ug/l   | 97     |
| 23) Vinyl Acetate             | 3.33 | 43  | 157320 | 116.32 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.01 | 63  | 41674  | 20.48  | ug/l   | 98     |
| 25) 2-Butanone                | 4.52 | 43  | 45753  | 129.65 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 3.77 | 77  | 19682  | 16.62  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 3.64 | 96  | 20497  | 21.07  | ug/l   | 90     |
| 28) Bromochloromethane        | 3.90 | 49  | 15610  | 21.73  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 4.26 | 42  | 17842  | 137.34 | ug/l   | 94     |
| 30) Chloroform                | 4.04 | 83  | 55797  | 20.27  | ug/l   | 91     |
| 31) Cyclohexane               | 3.88 | 56  | 20622  | 20.48  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 4.27 | 97  | 45449  | 20.64  | ug/l   | 91     |
| 36) 1,1-Dichloropropene       | 4.46 | 75  | 31733  | 19.86  | ug/l   | 92     |
| 37) Ethyl Acetate             | 4.30 | 43  | 20765  | 30.27  | ug/l # | 47     |
| 38) Carbon Tetrachloride      | 4.18 | 117 | 53653  | 23.46  | ug/l   | 96     |

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Instrument :  
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Quant Time: Aug 09 05:20:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F080418S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 04 07:08:36 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 5.63  | 83   | 23154    | 19.32  | ug/l   | 95       |
| 40) Benzene                    | 4.81  | 78   | 59362    | 19.81  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.93  | 41   | 9197     | 25.40  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 5.13  | 62   | 47458    | 21.45  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.12  | 43   | 17824    | 25.23  | ug/l # | 94       |
| 44) Trichloroethene            | 5.68  | 130  | 21317    | 20.03  | ug/l   | 90       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 15625    | 21.31  | ug/l   | 97       |
| 46) Dibromomethane             | 6.26  | 93   | 15740    | 21.28  | ug/l   | 92       |
| 47) Bromodichloromethane       | 6.56  | 83   | 45428    | 22.45  | ug/l # | 93       |
| 48) Methyl methacrylate        | 6.88  | 41   | 14054    | 25.57  | ug/l # | 92       |
| 49) 1,4-Dioxane                | 6.88  | 88   | 2123     | 574.92 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 8.41  | 43   | 99018    | 137.10 | ug/l   | 97       |
| 52) Toluene                    | 7.79  | 92   | 42385    | 21.00  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 34550    | 22.45  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene    | 7.46  | 75   | 34909    | 21.98  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 8.65  | 97   | 16528    | 22.75  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 8.77  | 69   | 17517    | 23.87  | ug/l   | 85       |
| 57) 1,3-Dichloropropane        | 9.01  | 76   | 28119    | 22.54  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.78  | 63   | 10080    | 104.89 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.64  | 43   | 69879    | 136.97 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.87  | 129  | 30797    | 22.60  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 29825    | 33.70  | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.31  | 164  | 26716    | 22.25  | ug/l   | 86       |
| 65) Chlorobenzene              | 9.95  | 112  | 57190    | 20.24  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.09 | 131  | 28878    | 20.55  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.05 | 91   | 106210   | 21.58  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.27 | 106  | 72435    | 42.57  | ug/l   | 98       |
| 69) o-Xylene                   | 10.83 | 106  | 37648    | 20.89  | ug/l   | 97       |
| 70) Styrene                    | 10.91 | 104  | 61566    | 22.89  | ug/l   | 99       |
| 71) Bromoform                  | 10.89 | 173  | 20289    | 23.55  | ug/l   | 91       |
| 73) Isopropylbenzene           | 11.24 | 105  | 131370   | 22.13  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.47 | 43   | 28314    | 21.10  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.79 | 83   | 24738    | 22.20  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 22512    | 23.52  | ug/l   | 100      |
| 77) Bromobenzene               | 11.60 | 156  | 33828    | 20.96  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.69 | 91   | 144469   | 20.61  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.82 | 91   | 94406    | 21.29  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.92 | 105  | 119133   | 21.62  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.97 | 75   | 10801    | 31.42  | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.00 | 91   | 102122   | 21.21  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.22 | 119  | 113118   | 21.09  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 12.29 | 105  | 121749   | 21.48  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 12.39 | 105  | 150582   | 21.12  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.55 | 119  | 126226   | 21.07  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.56 | 146  | 67221    | 21.98  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.65 | 146  | 63656    | 21.20  | ug/l   | 95       |
| 89) n-Butylbenzene             | 12.92 | 91   | 126877   | 22.22  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.00 | 117  | 34538    | 20.89  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.02 | 146  | 67224    | 22.84  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.74 | 75   | 523      | 1.86   | ug/l   | 81       |

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Operator : VA/AP  
Sample : VF0808SBS01  
Misc : 5.00µ/5mL/MSVOA F/SOIL  
ALS Vial : 32 Sample Multiplier: 1

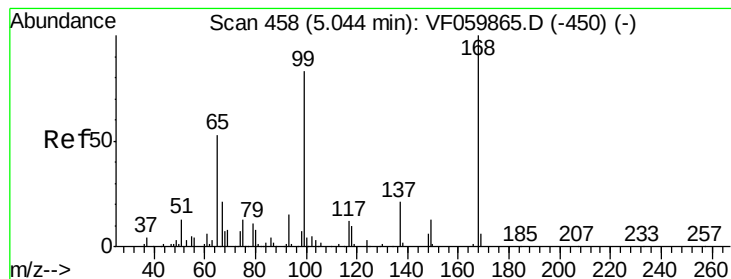
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

Quant Time: Aug 09 05:20:14 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F080418S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 04 07:08:36 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.28 | 180  | 53574    | 23.98 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.27 | 225  | 34496    | 21.85 | ug/l  | 95       |
| 95) Naphthalene            | 14.53 | 128  | 95497    | 24.69 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.68 | 180  | 54670    | 24.78 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

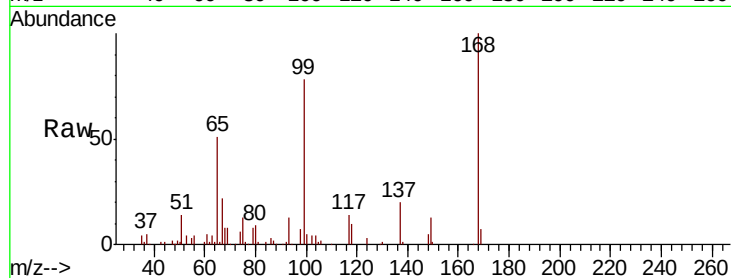
VF0808SBS01

Tot Ion:168 Resp: 97513

Ion Ratio Lower Upper

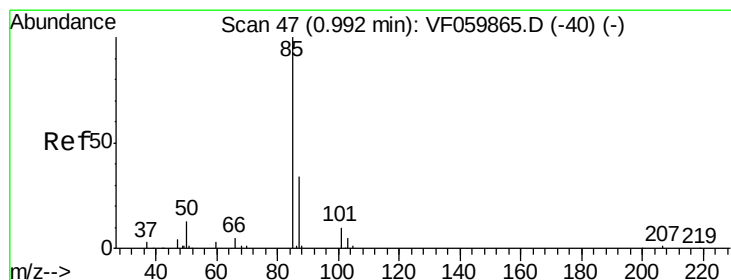
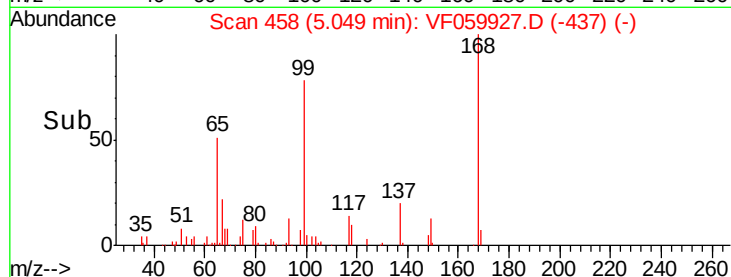
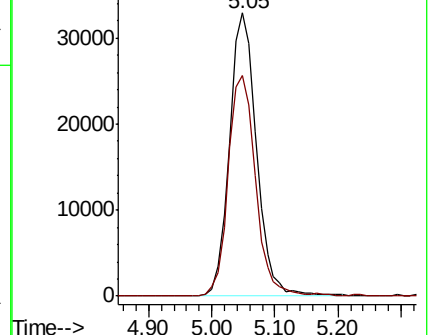
168 100

99 77.8 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.36 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059927.D

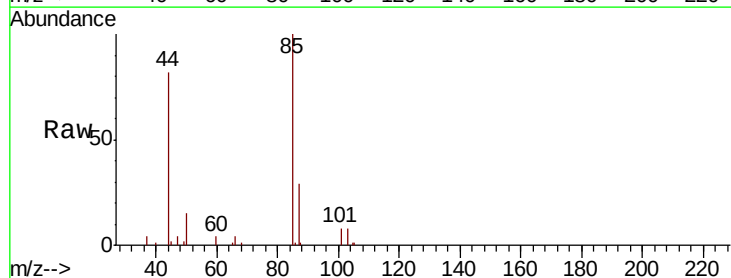
Acq: 8 Aug 2018 13:19

Tgt Ion: 85 Resp: 32263

Ion Ratio Lower Upper

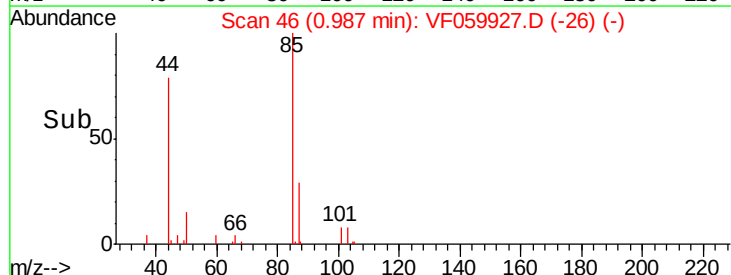
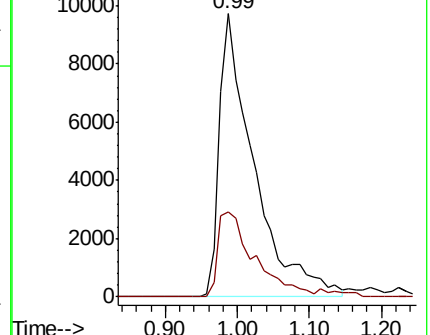
85 100

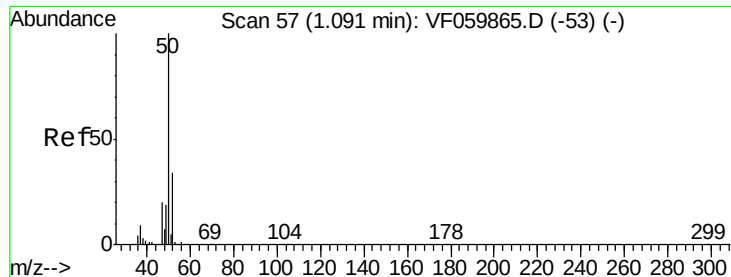
87 30.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 19.60 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

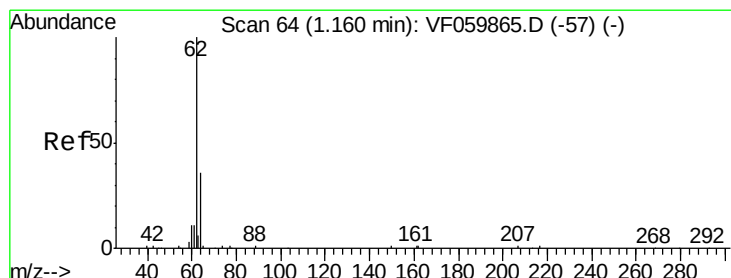
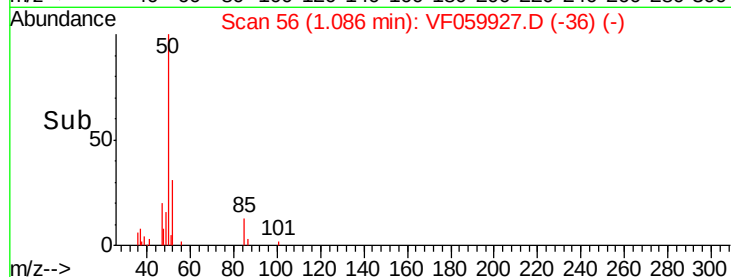
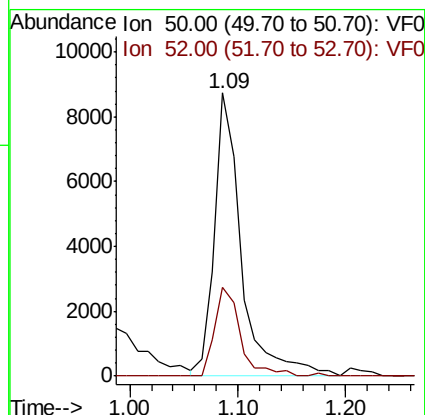
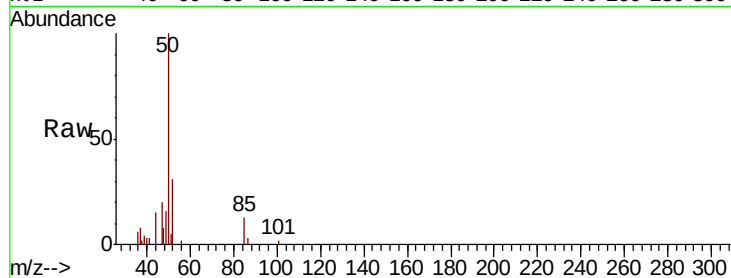
VF0808SBS01

Tot Ion: 50 Resp: 15103

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.8



#4

Vinyl Chloride

Concen: 19.17 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059927.D

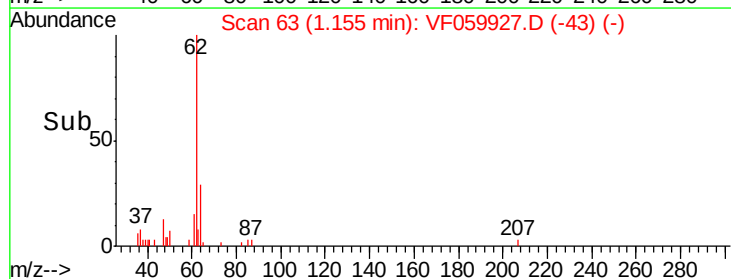
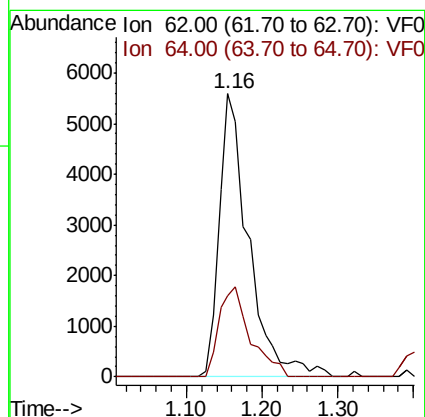
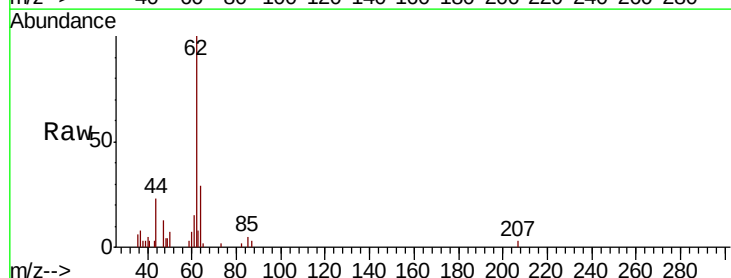
Acq: 8 Aug 2018 13:19

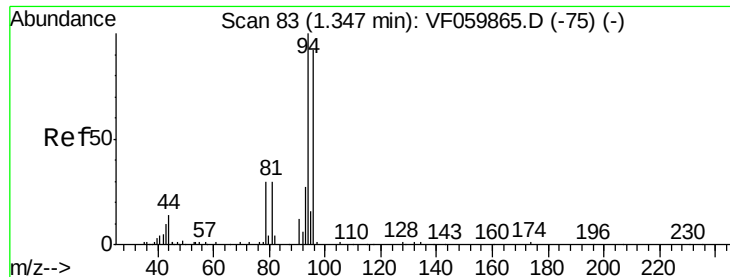
Tgt Ion: 62 Resp: 15135

Ion Ratio Lower Upper

62 100

64 28.6 28.5 42.7





#5

Bromomethane

Concen: 19.95 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

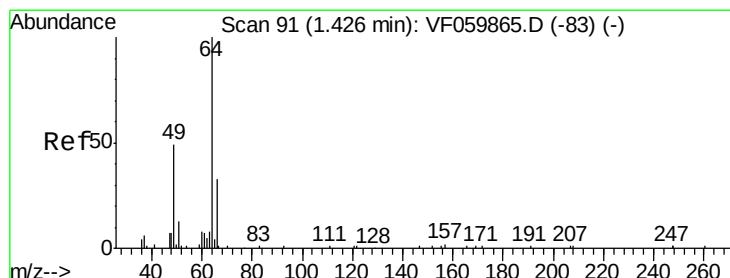
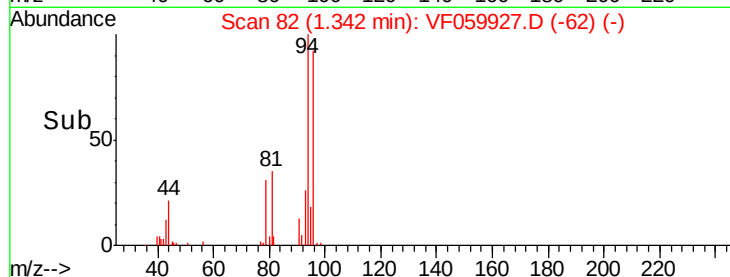
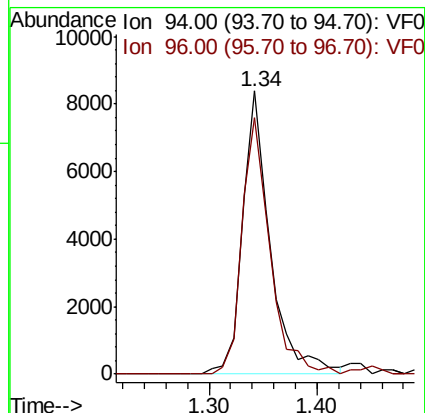
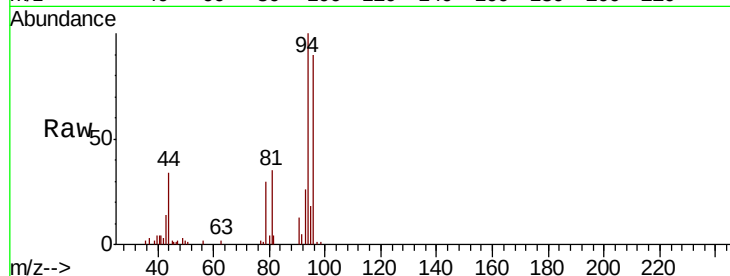
VF0808SBS01

Tot Ion: 94 Resp: 14869

Ion Ratio Lower Upper

94 100

96 90.4 73.8 110.8



#6

Chloroethane

Concen: 23.43 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059927.D

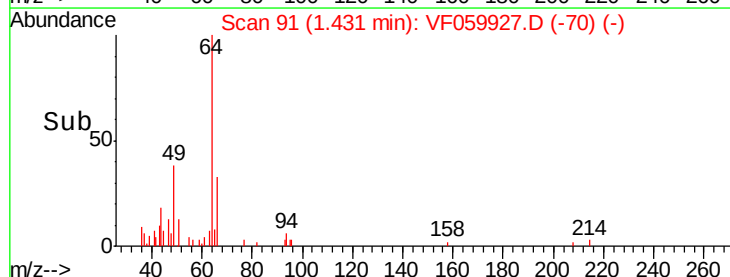
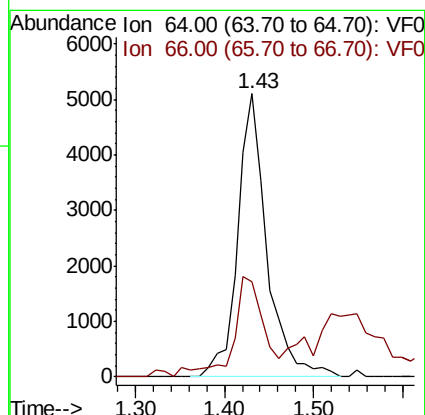
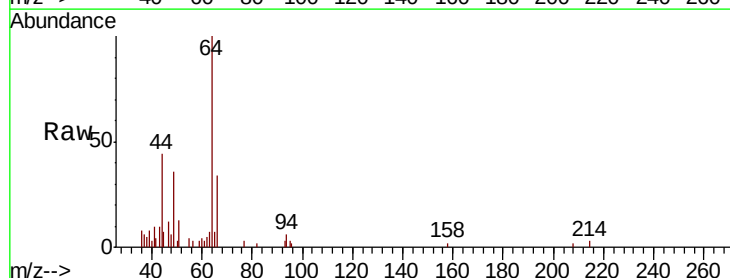
Acq: 8 Aug 2018 13:19

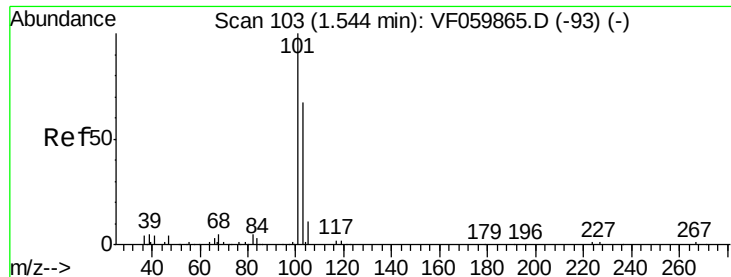
Tgt Ion: 64 Resp: 11621

Ion Ratio Lower Upper

64 100

66 33.8 26.9 40.3



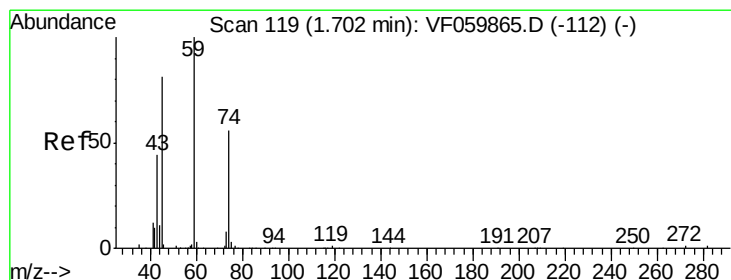
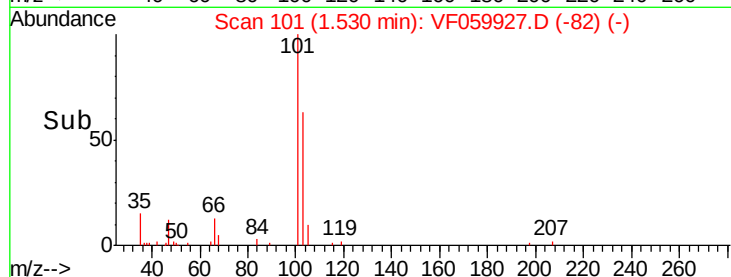
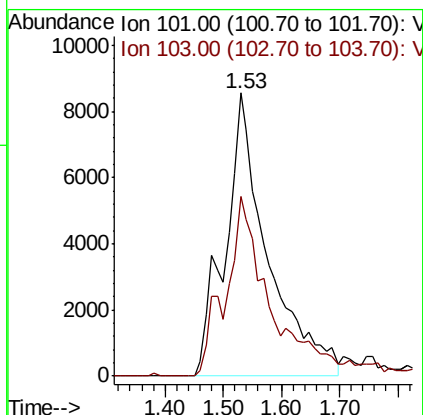
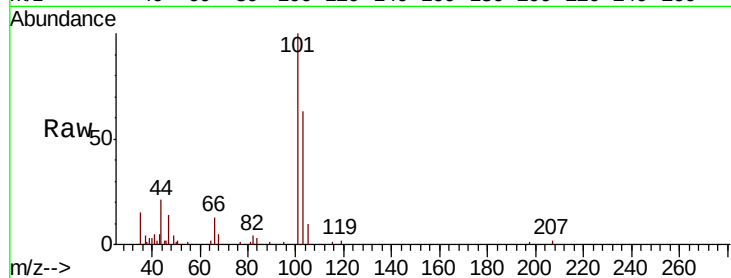


#7

Trichlorofluoromethane  
 Concen: 20.20 ug/l  
 RT: 1.53 min Scan# 101  
 Delta R.T. -0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

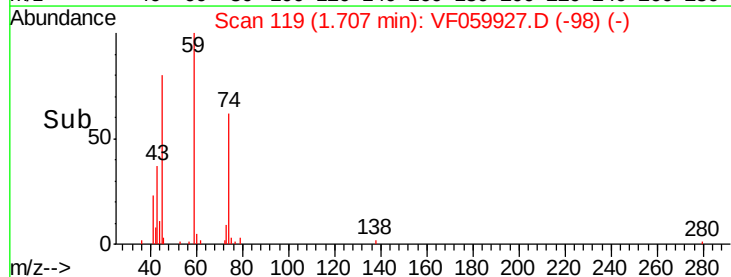
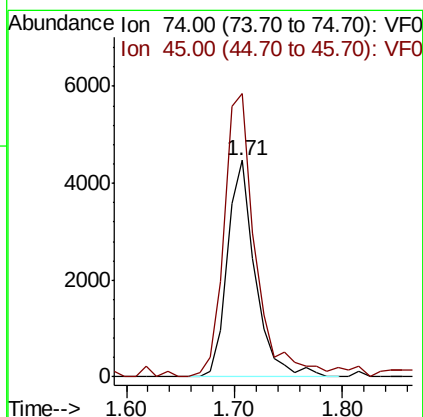
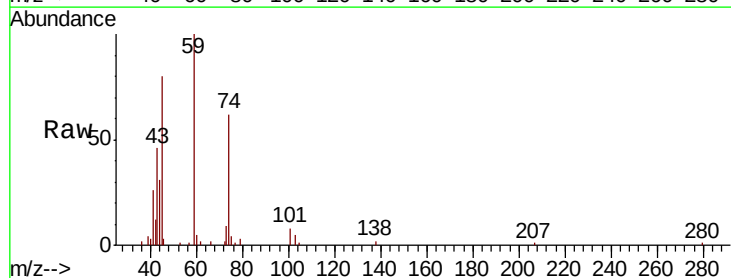
Tot Ion:101 Resp: 43651  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 53.6 80.4



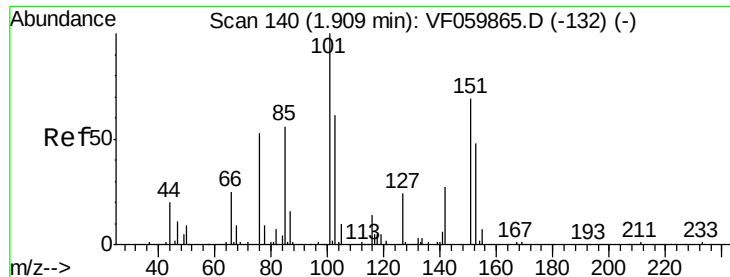
#8

Diethyl Ether  
 Concen: 23.46 ug/l  
 RT: 1.71 min Scan# 119  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion: 74 Resp: 8045  
 Ion Ratio Lower Upper  
 74 100  
 45 130.7 73.6 220.7







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.42 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

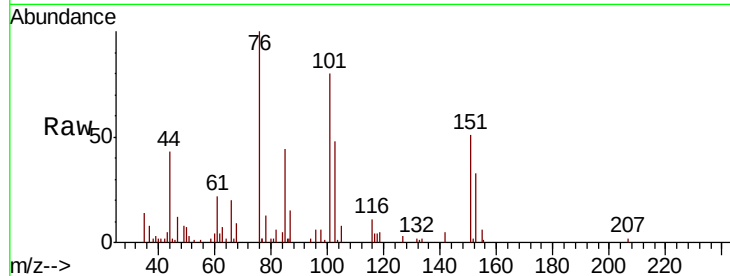
Tot Ion:101 Resp: 24352

Ion Ratio Lower Upper

101 100

85 56.9 44.5 66.7

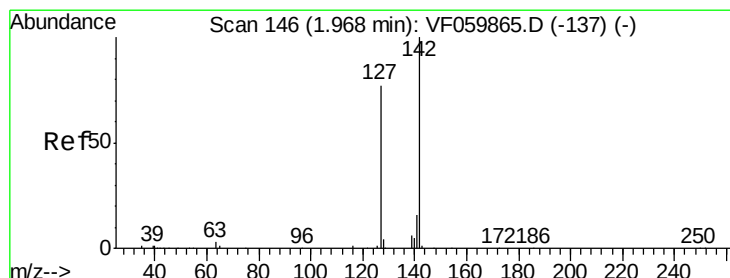
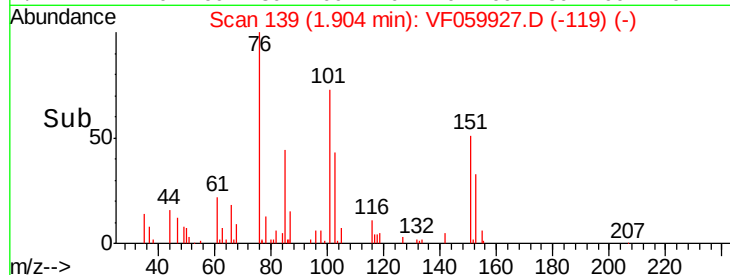
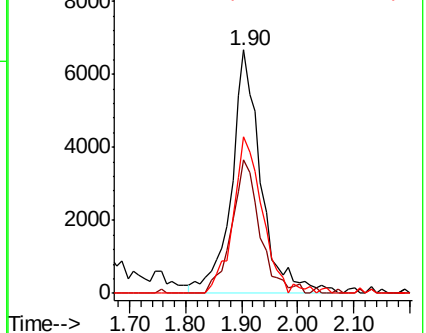
151 64.2 53.8 80.8



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: 20.96 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

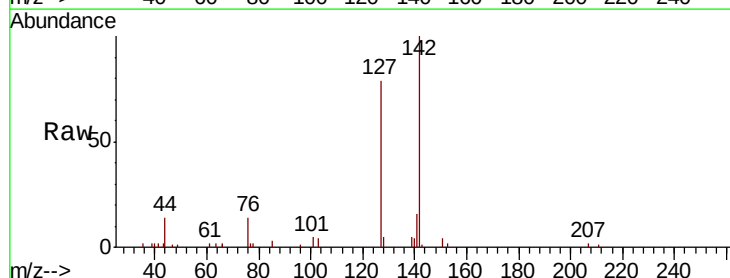
Tgt Ion:142 Resp: 38389

Ion Ratio Lower Upper

142 100

127 79.2 61.5 92.3

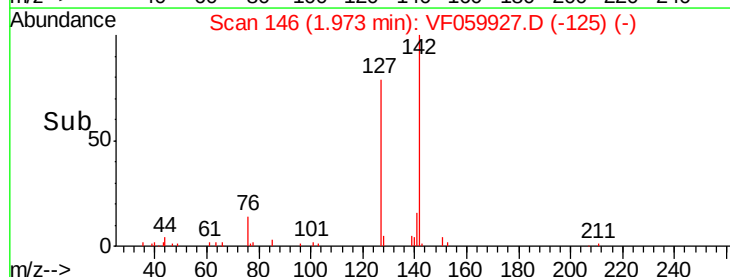
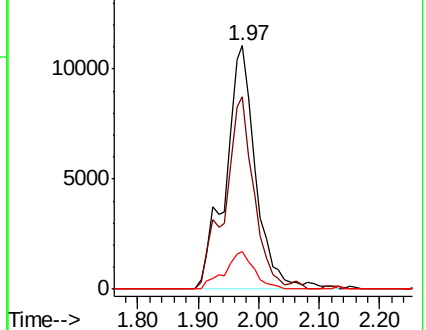
141 15.6 13.0 19.4

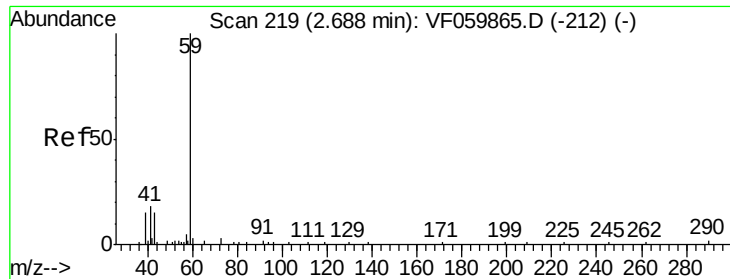


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



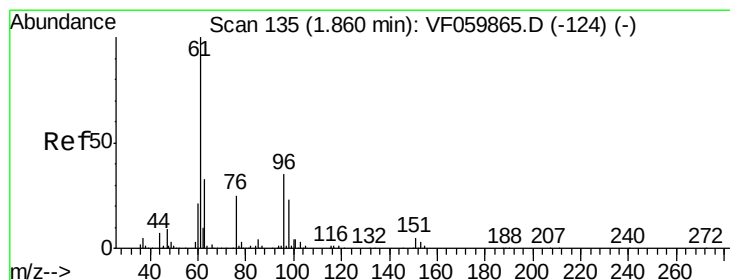
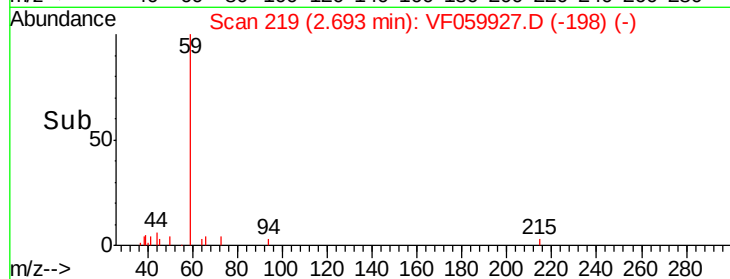
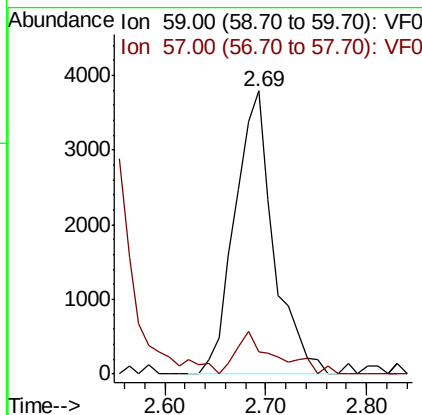
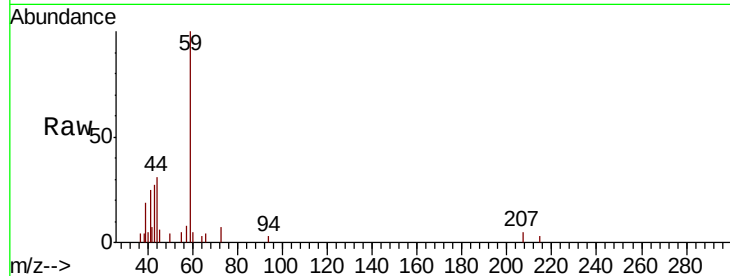


#11

Tert butyl alcohol  
 Concen: 143.07 ug/l  
 RT: 2.69 min Scan# 219  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

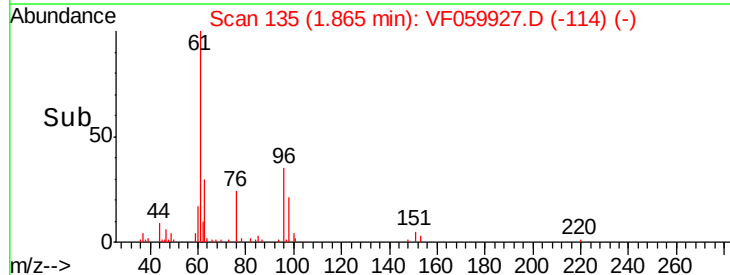
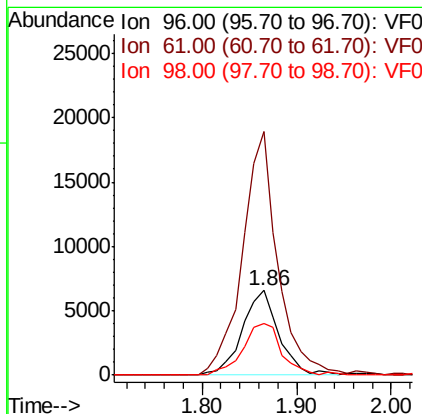
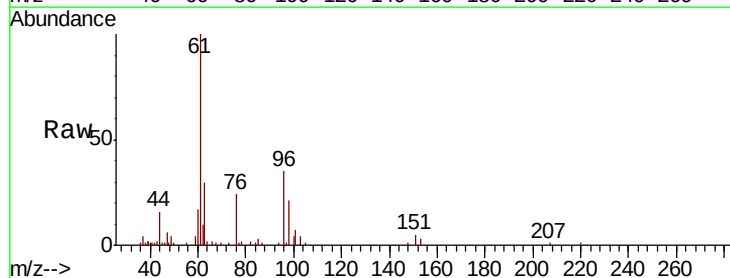
Tot Ion: 59 Resp: 10145  
 Ion Ratio Lower Upper  
 59 100  
 57 7.8 7.6 11.4

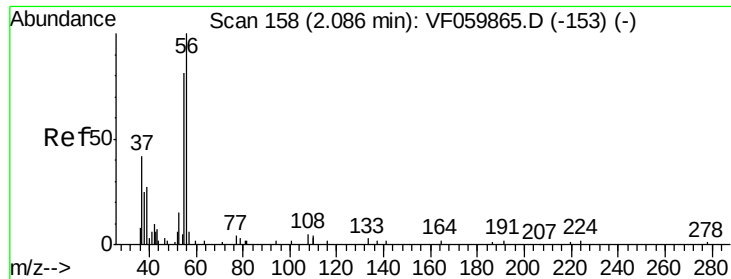


#12

1,1-Dichloroethene  
 Concen: 20.07 ug/l  
 RT: 1.86 min Scan# 135  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion: 96 Resp: 17478  
 Ion Ratio Lower Upper  
 96 100  
 61 287.9 230.2 345.2  
 98 60.4 52.7 79.1





#13

Acrolein

Concen: 86.43 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

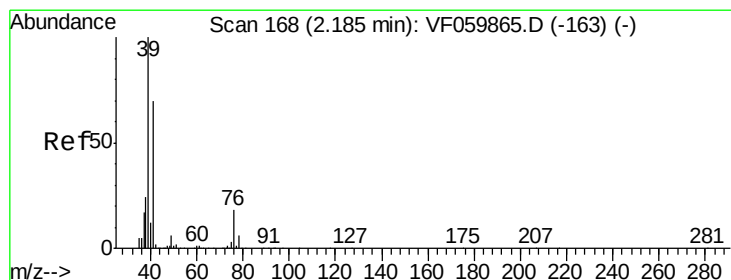
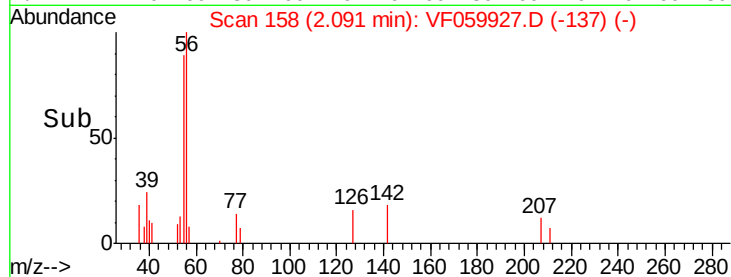
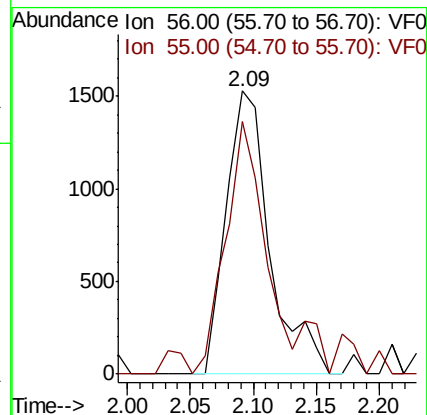
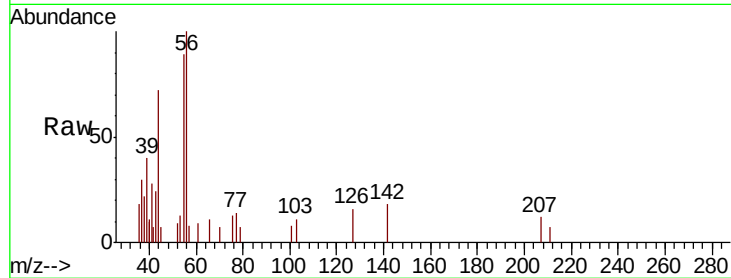
VF0808SBS01

Tot Ion: 56 Resp: 3673

Ion Ratio Lower Upper

56 100

55 89.5 64.6 96.8



#14

Allyl chloride

Concen: 13.42 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

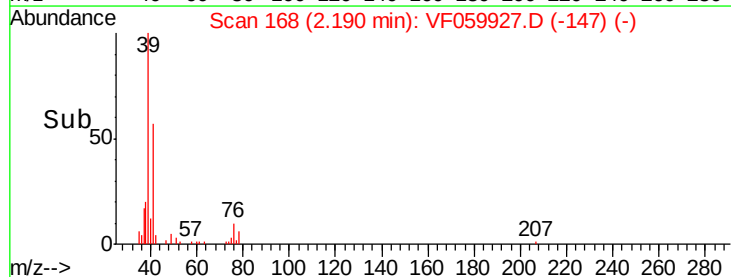
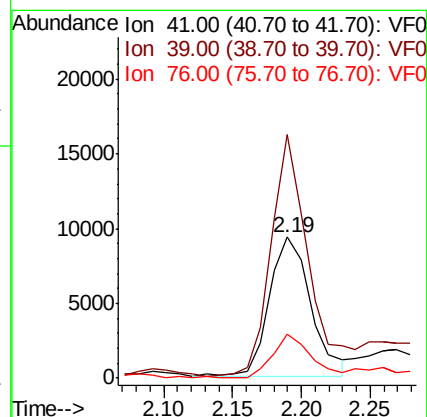
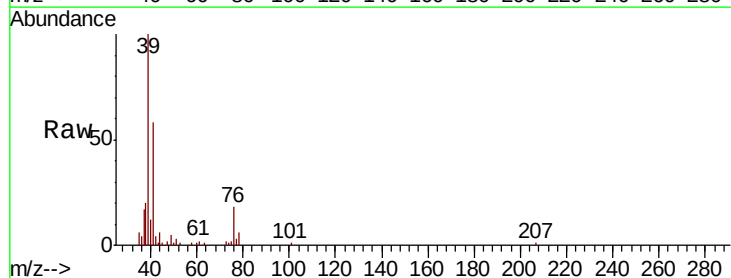
Tgt Ion: 41 Resp: 19495

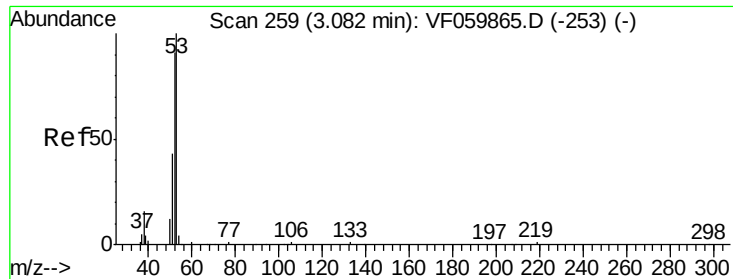
Ion Ratio Lower Upper

41 100

39 172.8 114.6 171.8#

76 30.9 21.0 31.4





#15

Acrylonitrile

Concen: 110.20 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

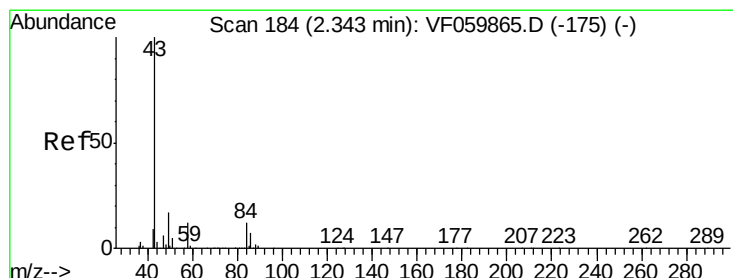
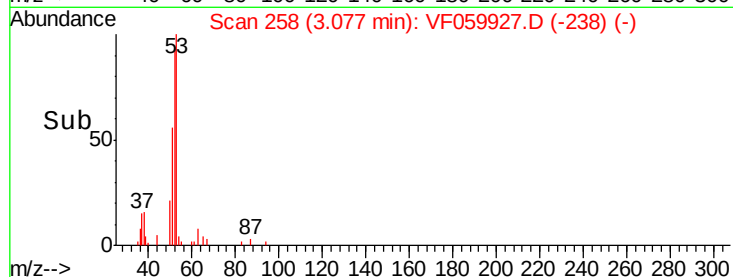
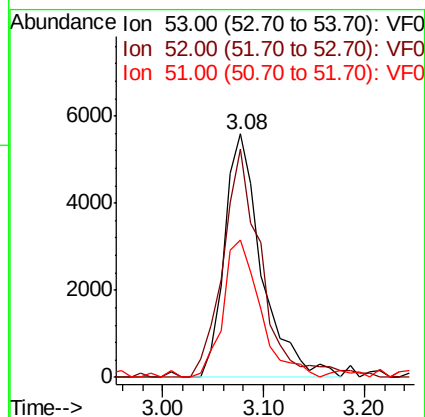
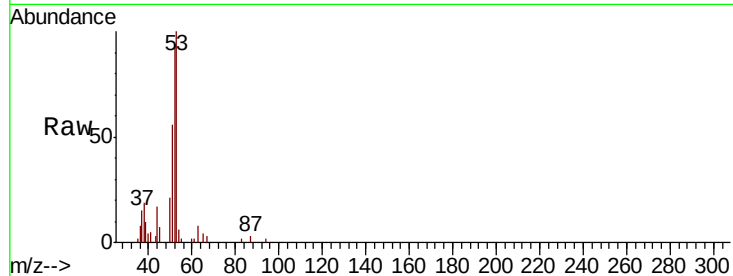
Tot Ion: 53 Resp: 14320

Ion Ratio Lower Upper

53 100

52 93.7 72.9 109.3

51 56.4 34.5 51.7#



#16

Acetone

Concen: 117.84 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059927.D

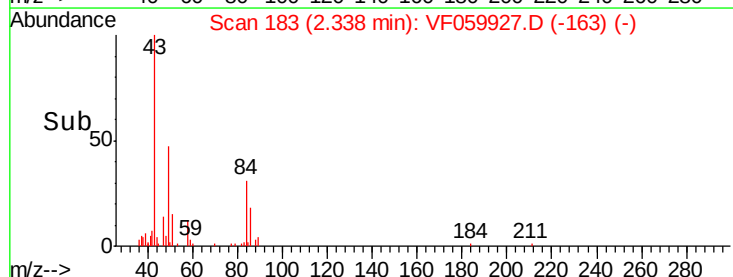
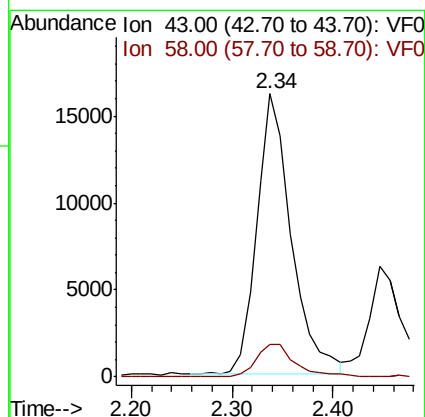
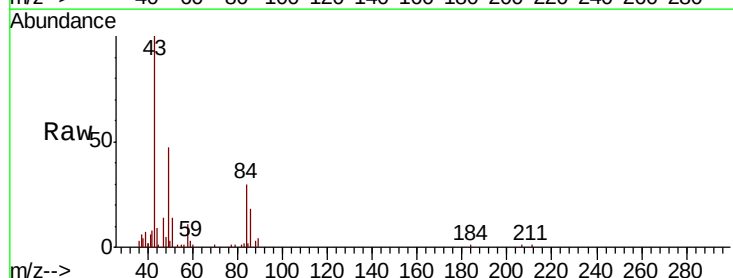
Acq: 8 Aug 2018 13:19

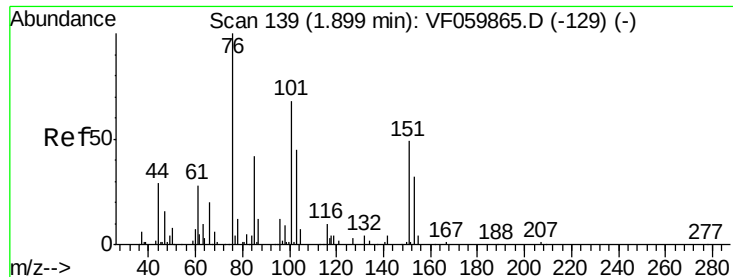
Tgt Ion: 43 Resp: 38245

Ion Ratio Lower Upper

43 100

58 11.5 9.4 14.0

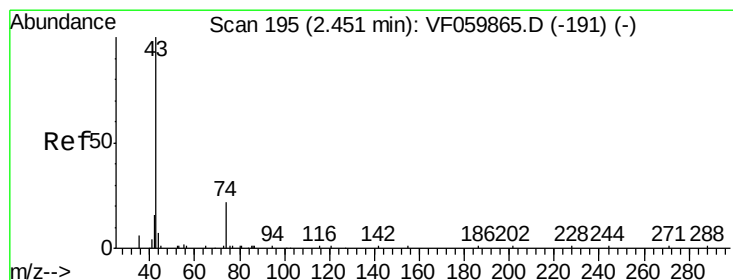
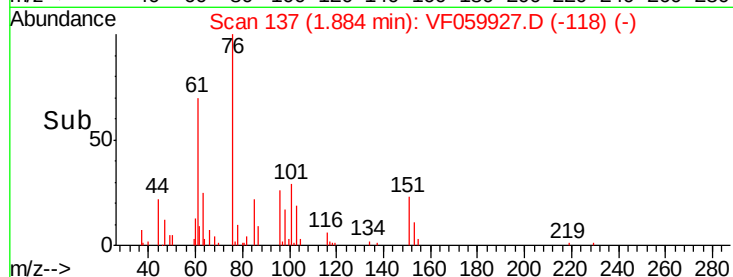
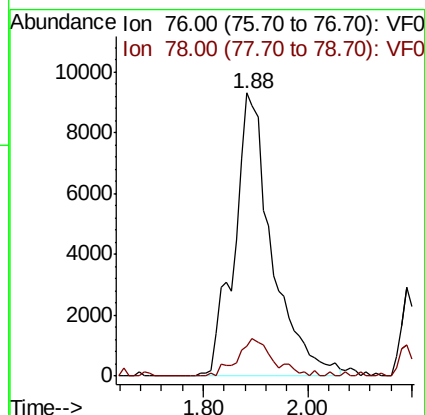
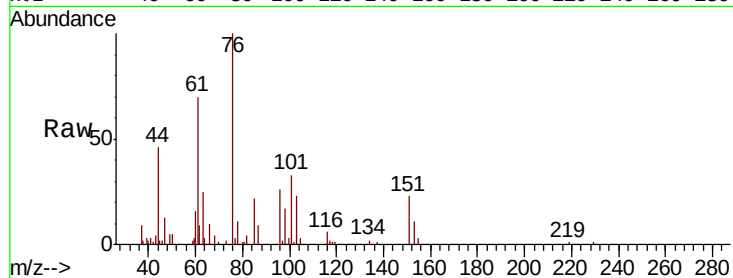




#17  
Carbon Disulfide  
Concen: 19.61 ug/l  
RT: 1.88 min Scan# 137  
Delta R.T. -0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

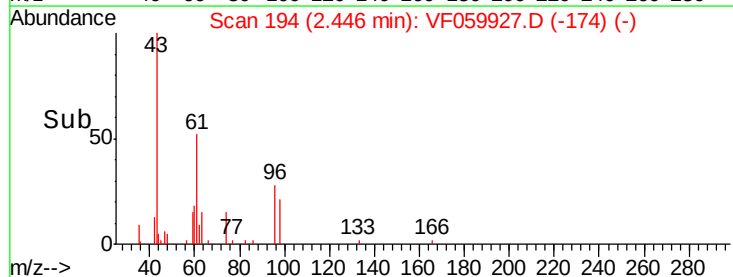
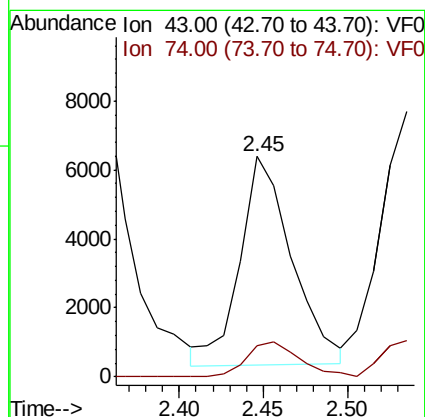
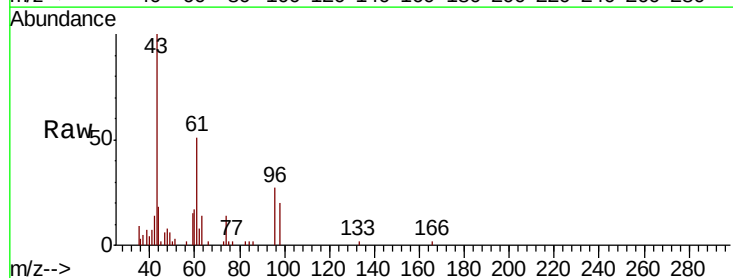
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

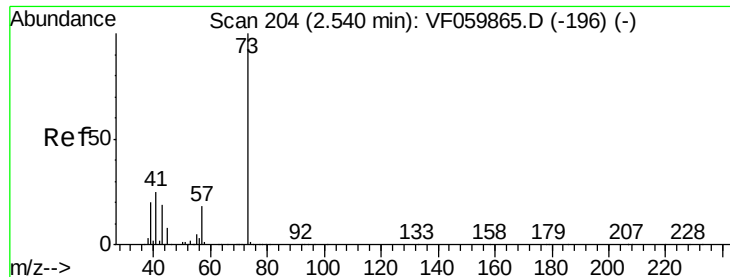
Tot Ion: 76 Resp: 45610  
Ion Ratio Lower Upper  
76 100  
78 10.7 9.3 13.9



#18  
Methyl Acetate  
Concen: 23.65 ug/l  
RT: 2.45 min Scan# 194  
Delta R.T. -0.00 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion: 43 Resp: 12948  
Ion Ratio Lower Upper  
43 100  
74 14.2 16.3 24.5#





#19

Methyl tert-butyl Ether

Concen: 24.30 ug/l

RT: 2.54 min Scan# 203

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

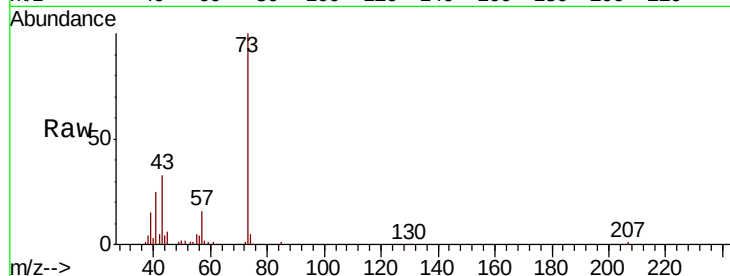
VF0808SBS01

Tot Ion: 73 Resp: 59938

Ion Ratio Lower Upper

73 100

57 16.2 14.3 21.5



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

25000

20000

15000

10000

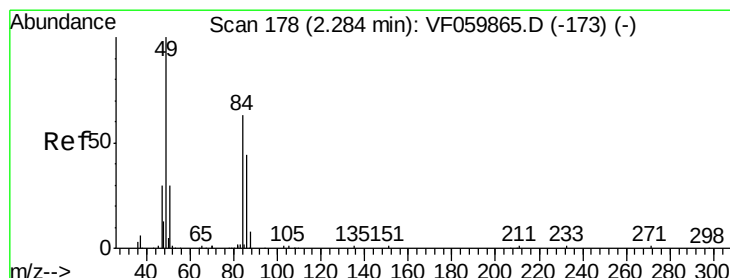
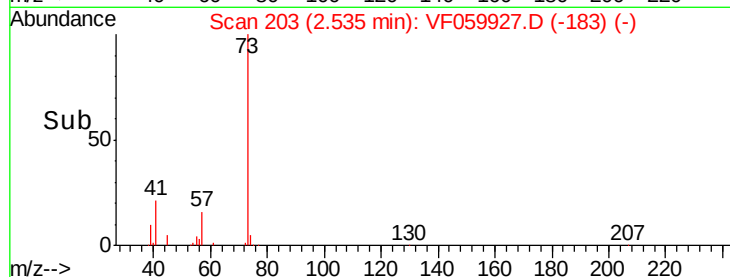
5000

0

Time-->

2.40 2.50 2.60 2.70

2.54



#20

Methylene Chloride

Concen: 4.64 ug/l

RT: 2.28 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion: 84 Resp: 8163

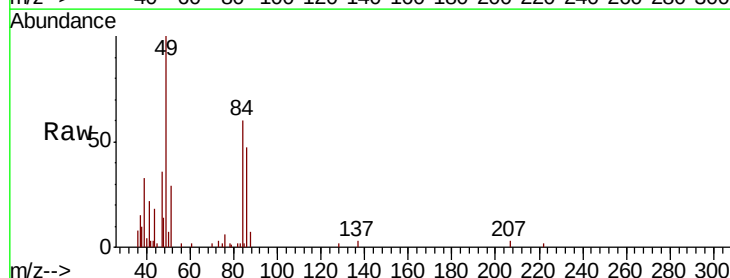
Ion Ratio Lower Upper

84 100

49 165.6 128.7 193.1

51 47.5 39.3 58.9

86 77.2 55.9 83.9



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

15000

10000

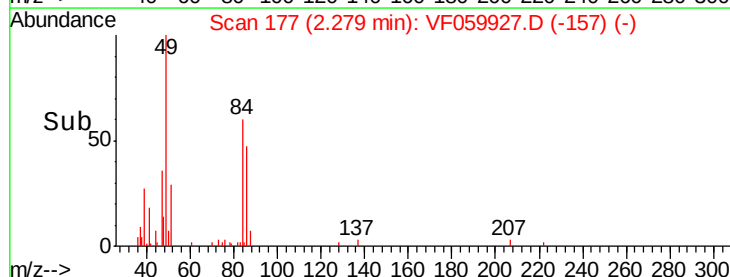
5000

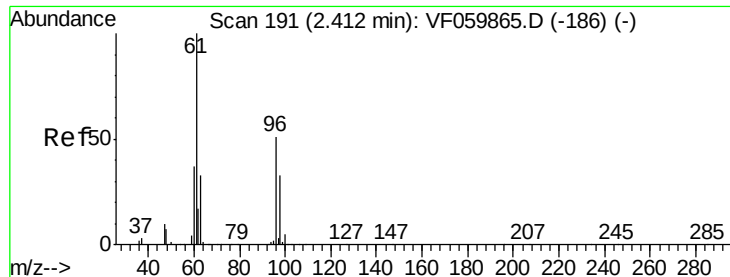
0

Time-->

2.20 2.25 2.30

2.28





#21

trans-1,2-Dichloroethene

Concen: 20.29 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

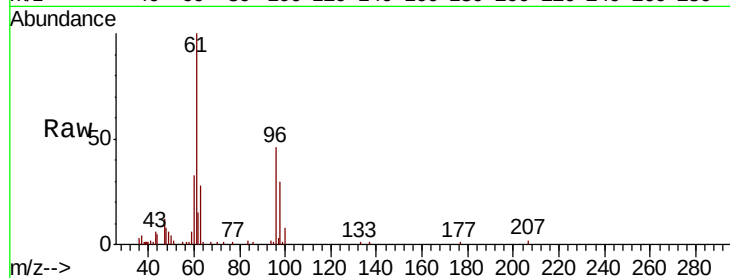
Tot Ion: 96 Resp: 17559

Ion Ratio Lower Upper

96 100

61 216.4 158.2 237.4

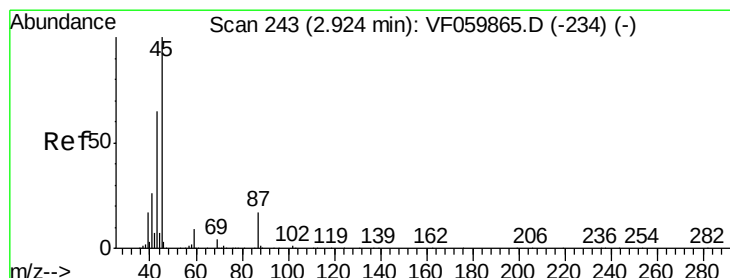
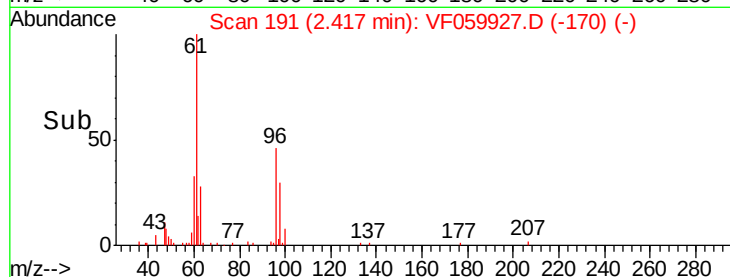
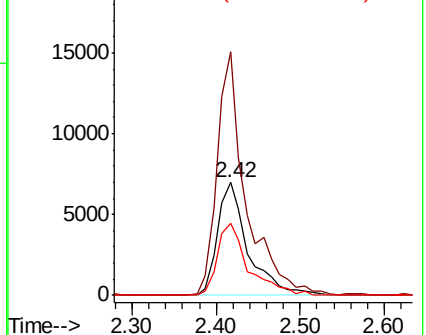
98 64.1 52.0 78.0



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: 21.85 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion: 45 Resp: 61042

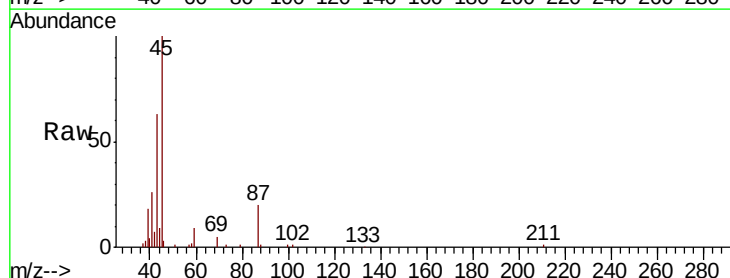
Ion Ratio Lower Upper

45 100

43 63.1 52.1 78.1

87 19.9 13.8 20.8

59 9.0 7.5 11.3

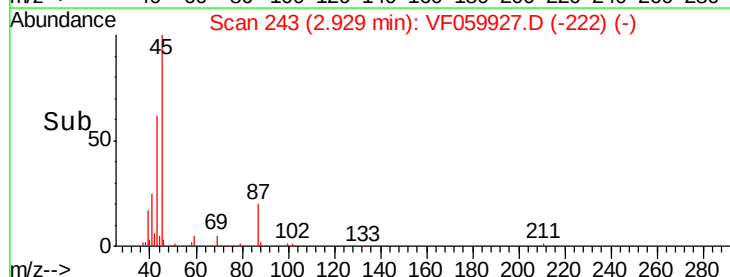
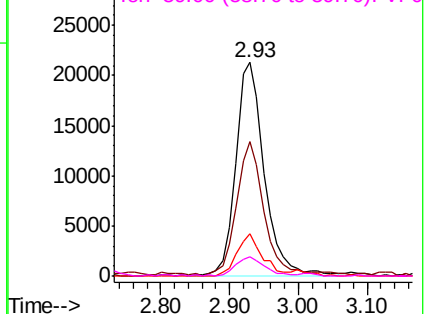


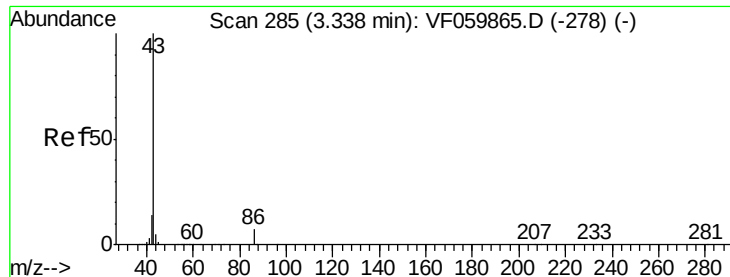
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 116.32 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

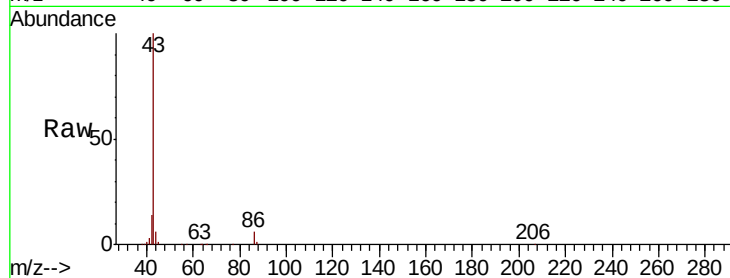
VF0808SBS01

Tot Ion: 43 Resp: 157320

Ion Ratio Lower Upper

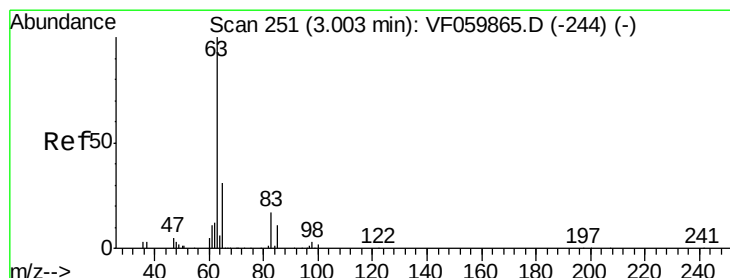
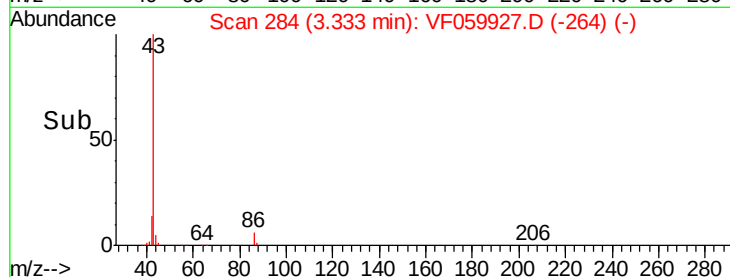
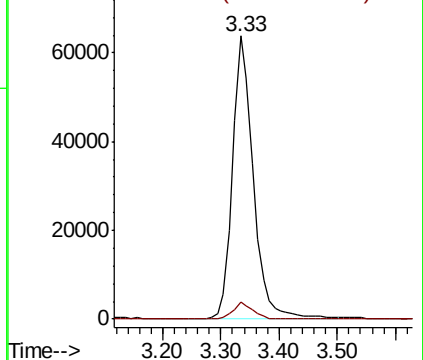
43 100

86 6.1 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.48 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

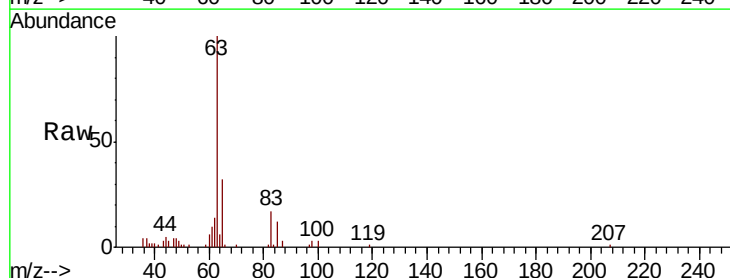
Tgt Ion: 63 Resp: 41674

Ion Ratio Lower Upper

63 100

98 3.3 1.9 5.7

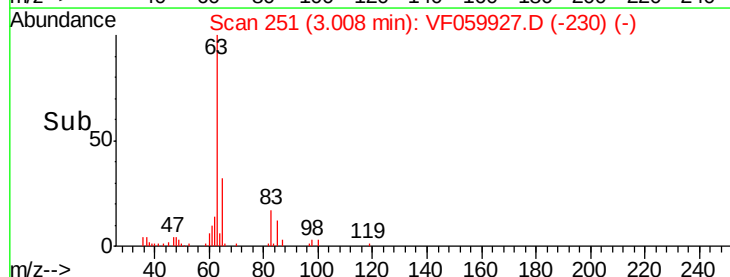
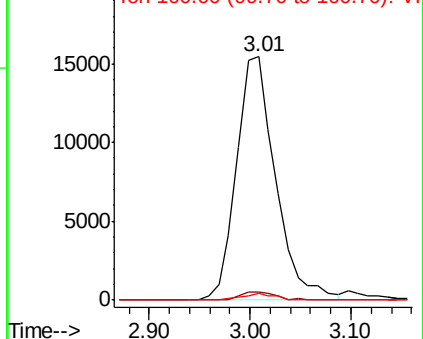
100 2.8 1.1 3.5



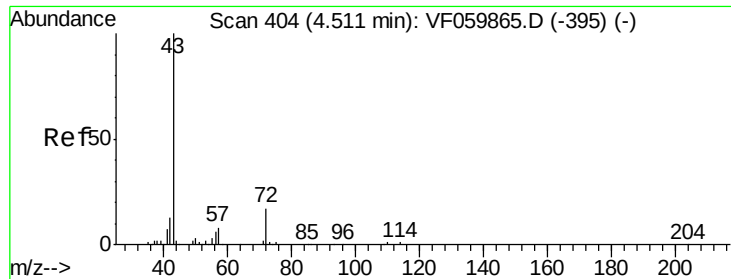
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0







#25

2-Butanone

Concen: 129.65 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

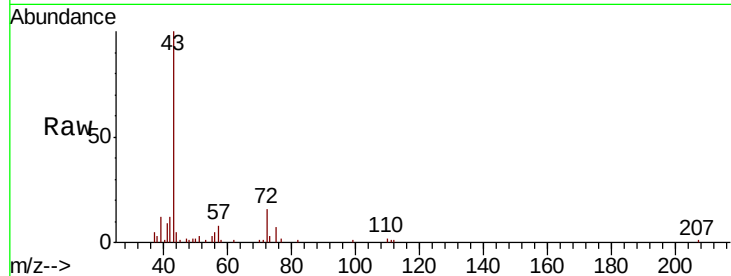
VF0808SBS01

Tot Ion: 43 Resp: 45753

Ion Ratio Lower Upper

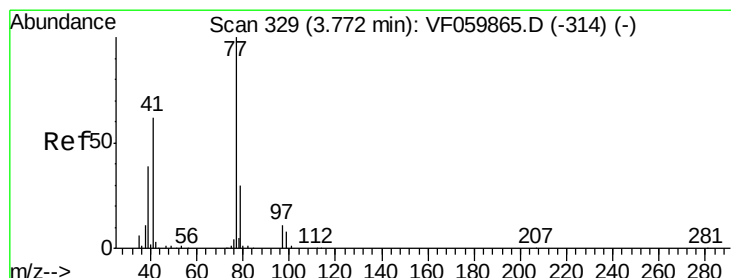
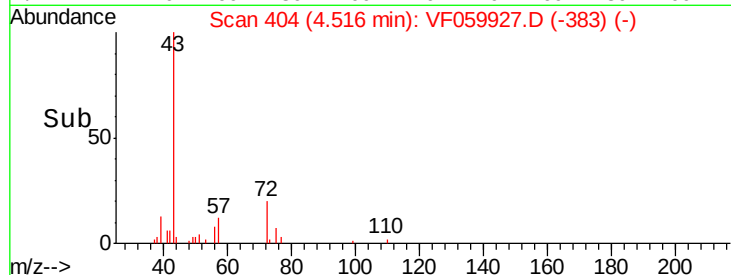
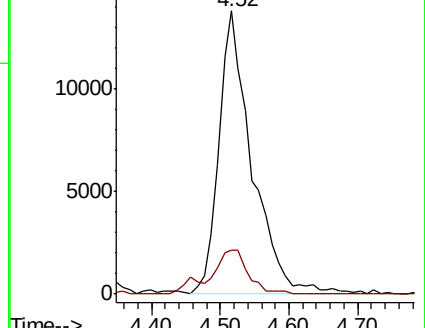
43 100

72 15.7 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 16.62 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059927.D

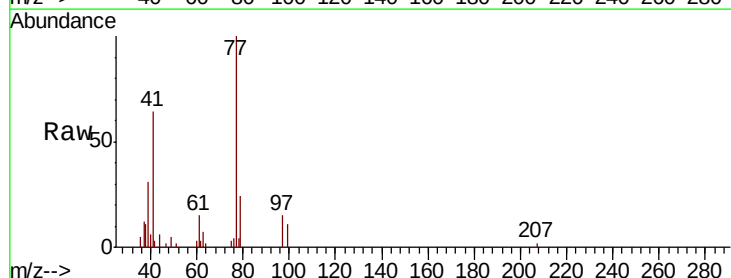
Acq: 8 Aug 2018 13:19

Tgt Ion: 77 Resp: 19682

Ion Ratio Lower Upper

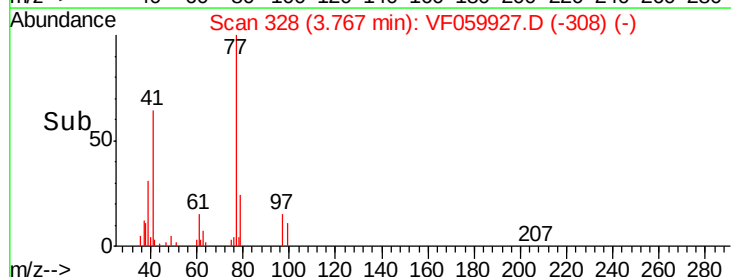
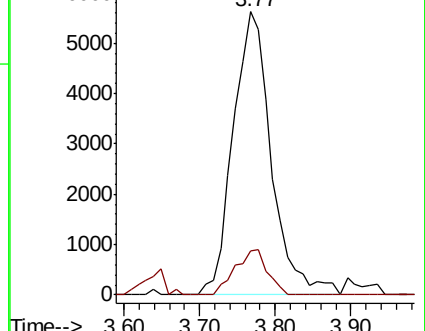
77 100

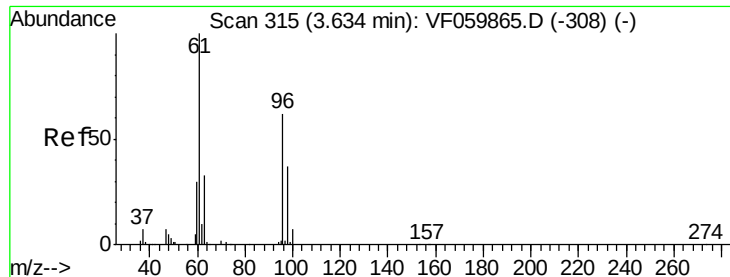
97 15.4 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 21.07 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

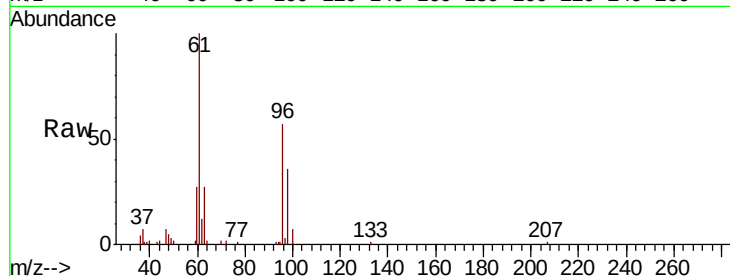
Tot Ion: 96 Resp: 20497

Ion Ratio Lower Upper

96 100

61 175.4 0.0 320.8

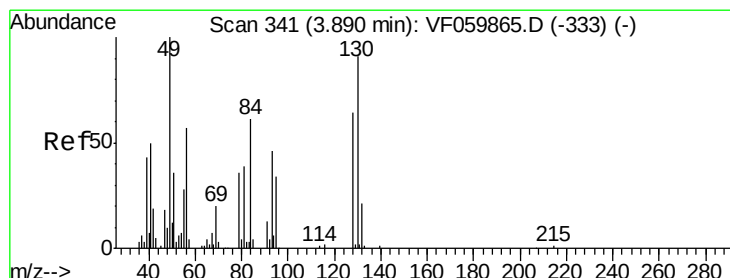
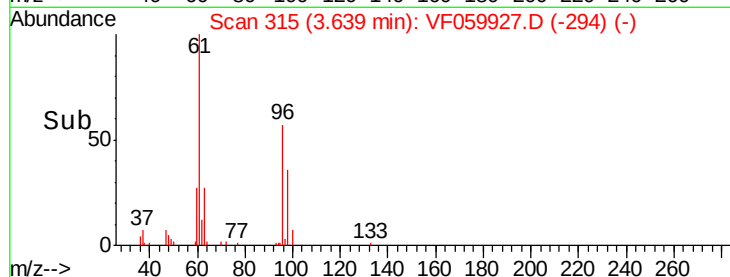
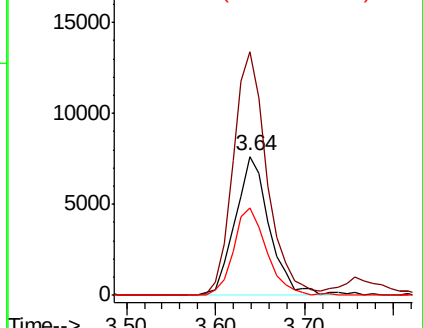
98 62.7 0.0 117.6



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: 21.73 ug/l

RT: 3.90 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

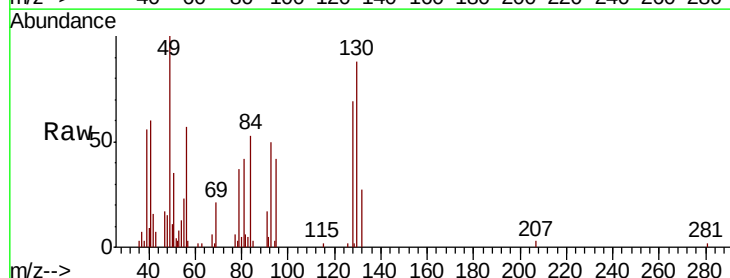
Tgt Ion: 49 Resp: 15610

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

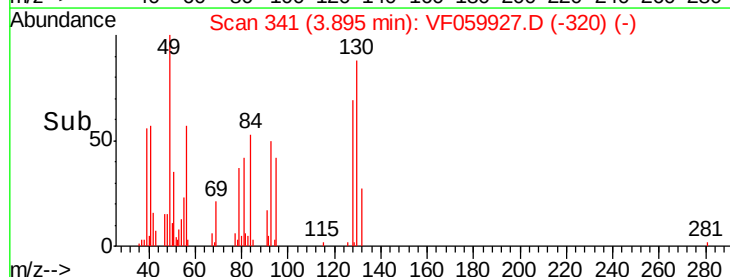
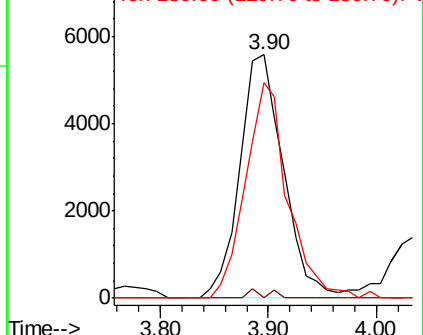
130 88.4 73.8 110.8

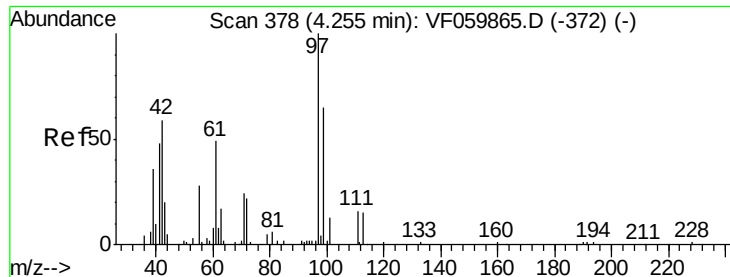


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 137.34 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

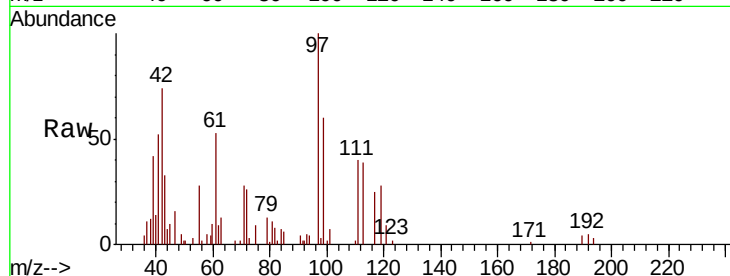
Tot Ion: 42 Resp: 17842

Ion Ratio Lower Upper

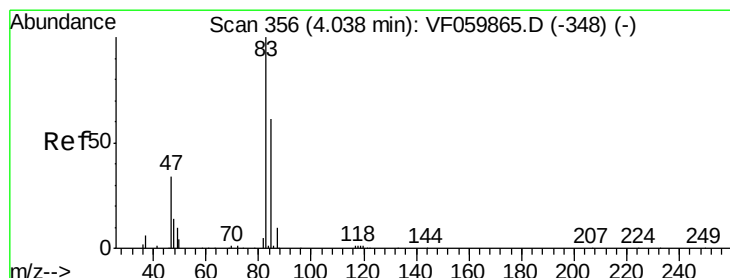
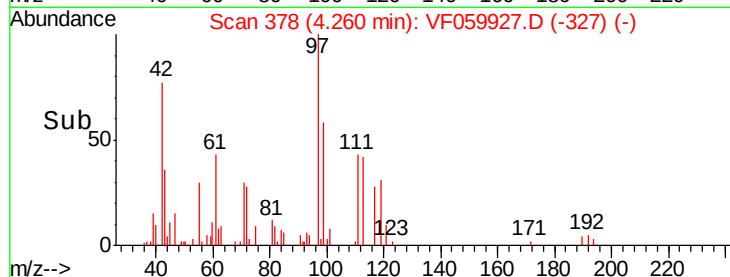
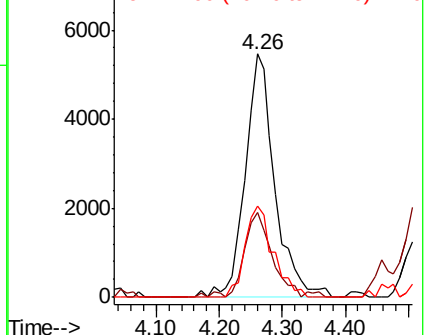
42 100

72 31.6 29.3 43.9

71 35.4 30.0 45.0



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: 20.27 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF059927.D

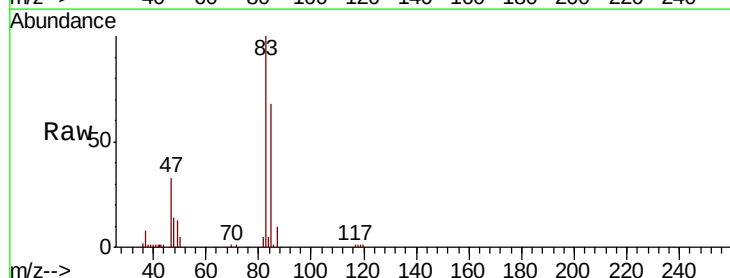
Acq: 8 Aug 2018 13:19

Tgt Ion: 83 Resp: 55797

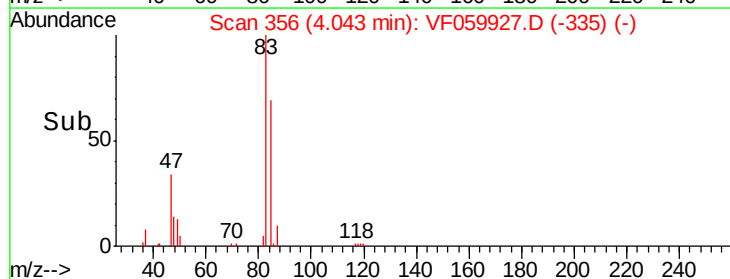
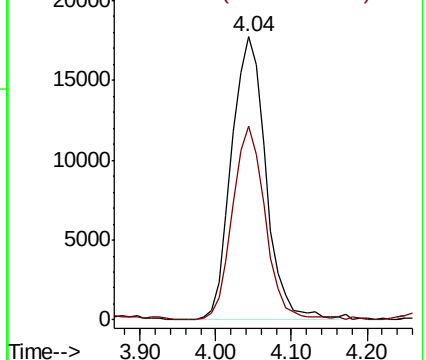
Ion Ratio Lower Upper

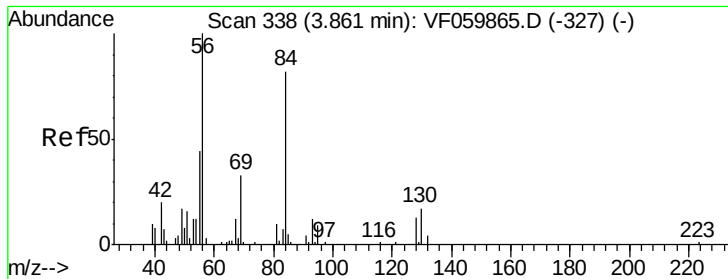
83 100

85 68.3 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 85.00 (84.70 to 85.70): VF0

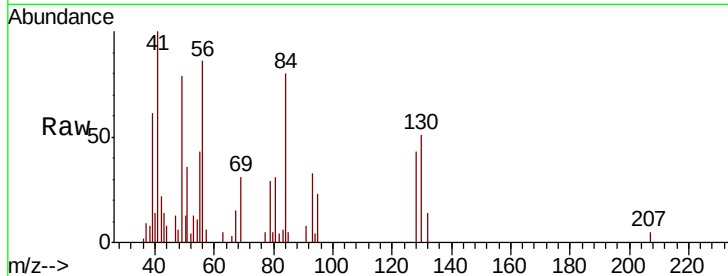




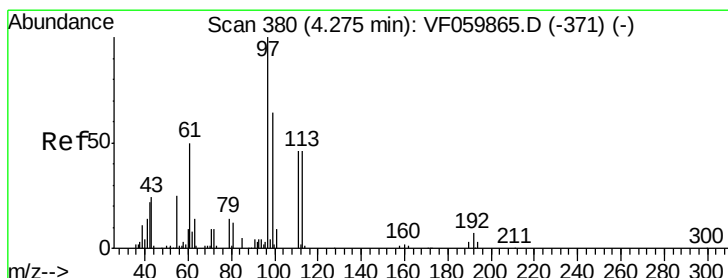
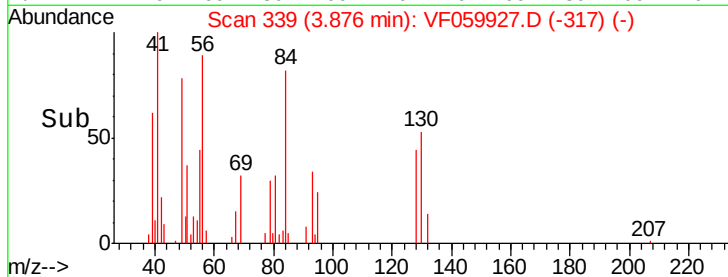
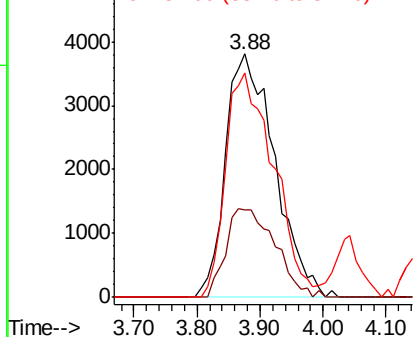
#31  
Cyclohexane  
Concen: 20.48 ug/l  
RT: 3.88 min Scan# 339  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

Tot Ion: 56 Resp: 20622  
Ion Ratio Lower Upper  
56 100  
69 36.1 26.7 40.1  
84 92.2 65.9 98.9

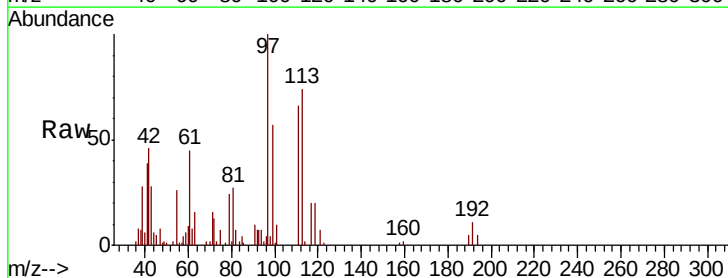


Abundance Ion 56.00 (55.70 to 56.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 84.00 (83.70 to 84.70): VF0

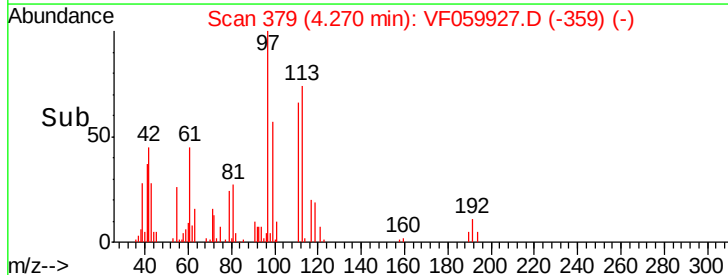
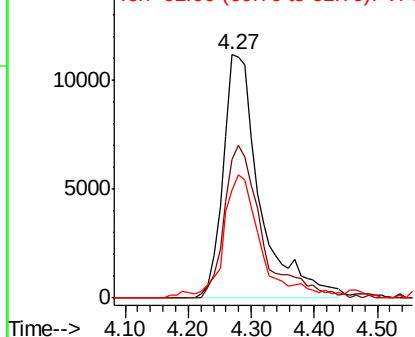


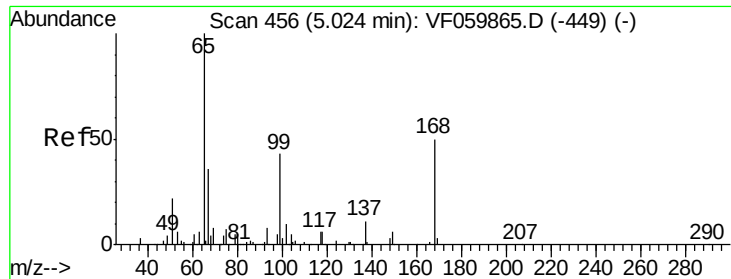
#32  
1,1,1-Trichloroethane  
Concen: 20.64 ug/l  
RT: 4.27 min Scan# 379  
Delta R.T. -0.00 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion: 97 Resp: 45449  
Ion Ratio Lower Upper  
97 100  
99 57.1 51.4 77.2  
61 44.5 40.8 61.2



Abundance Ion 97.00 (96.70 to 97.70): VF0  
Ion 99.00 (98.70 to 99.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0

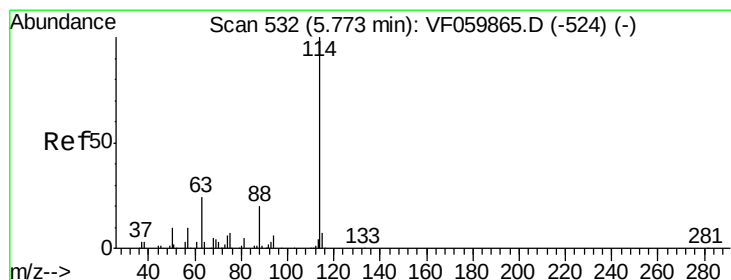
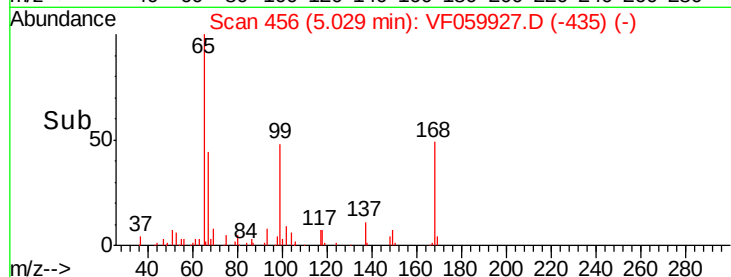
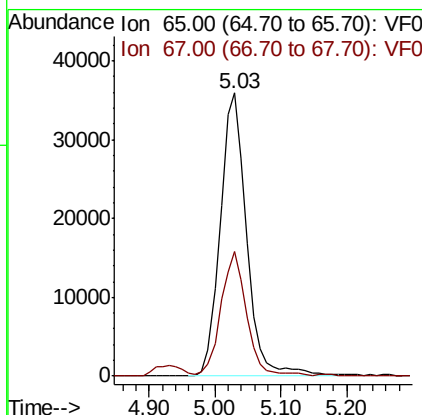
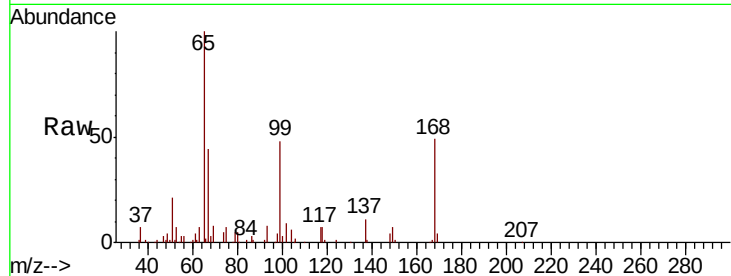




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.19 ug/l  
 RT: 5.03 min Scan# 456  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

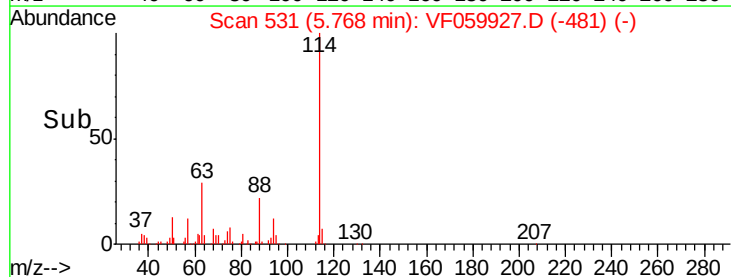
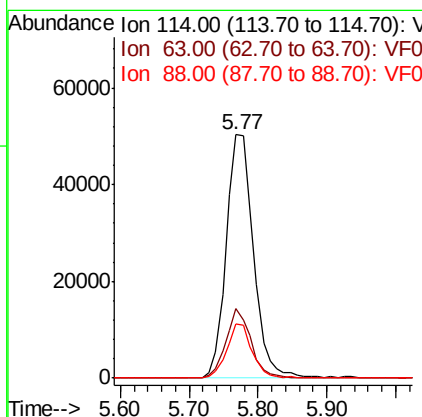
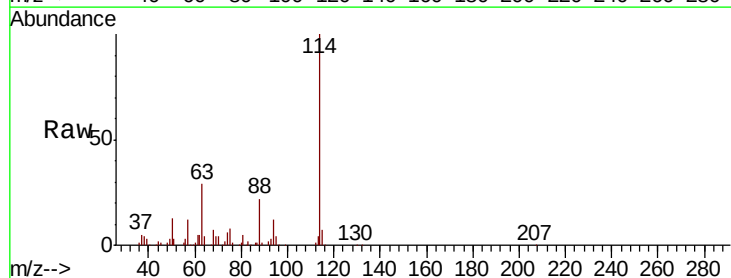
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

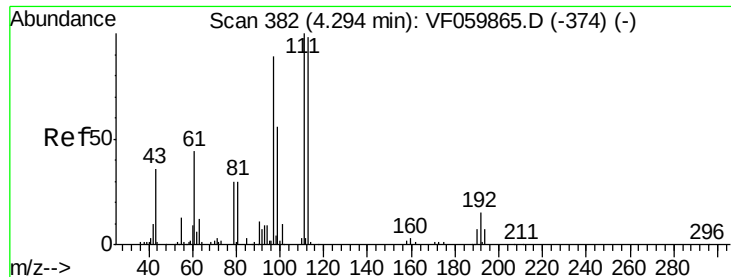
Tot Ion: 65 Resp: 100543  
 Ion Ratio Lower Upper  
 65 100  
 67 43.9 0.0 77.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.77 min Scan# 531  
 Delta R.T. -0.00 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion: 114 Resp: 138127  
 Ion Ratio Lower Upper  
 114 100  
 63 28.8 0.0 48.0  
 88 22.1 0.0 39.4





#35

Dibromofluoromethane

Concen: 56.88 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

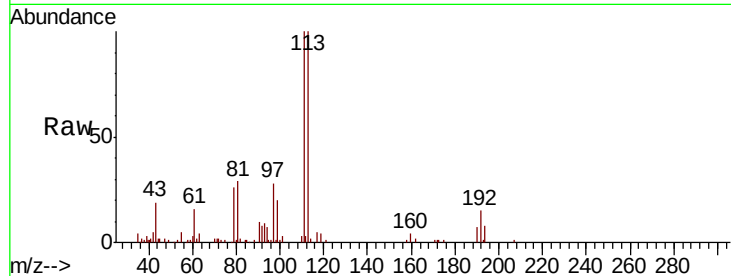
Tot Ion:113 Resp: 78169

Ion Ratio Lower Upper

113 100

111 100.2 81.8 122.8

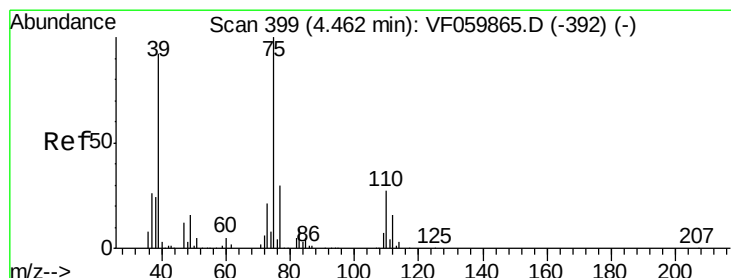
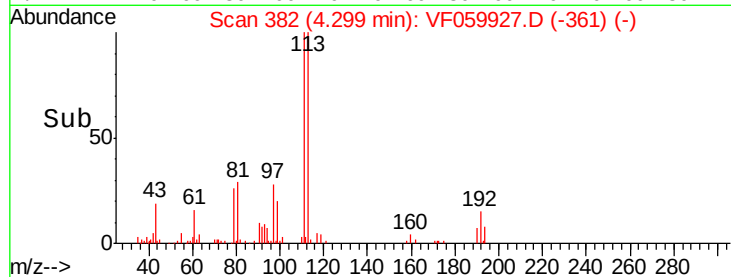
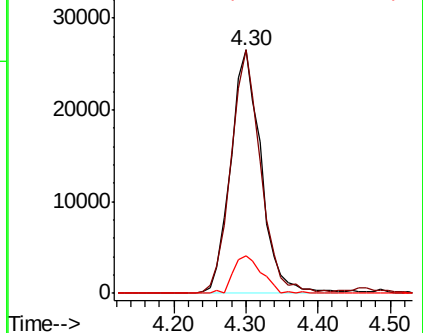
192 15.2 12.4 18.6



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: 19.86 ug/l

RT: 4.46 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

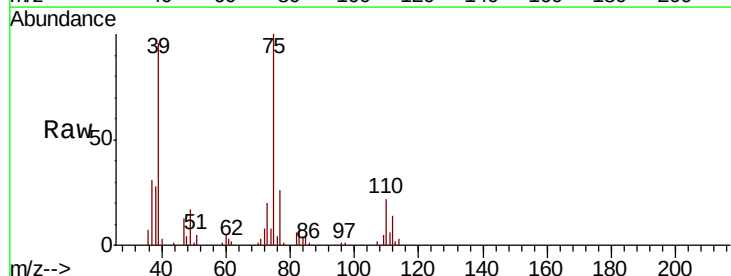
Tgt Ion: 75 Resp: 31733

Ion Ratio Lower Upper

75 100

110 21.9 13.6 40.7

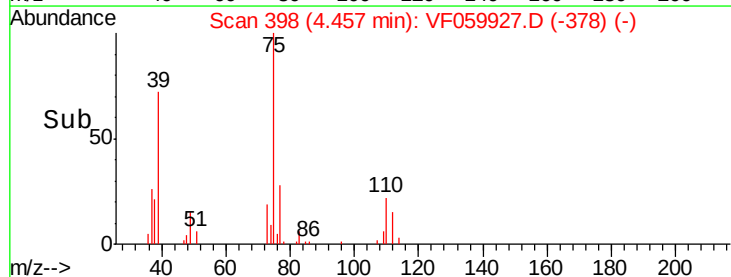
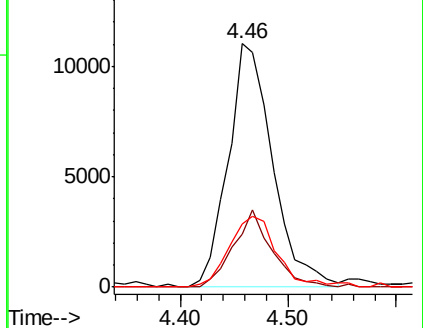
77 25.9 23.7 35.5

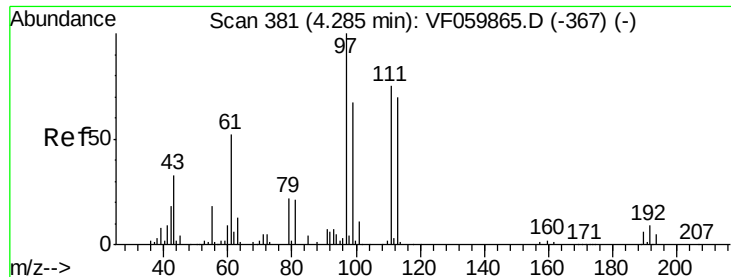


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

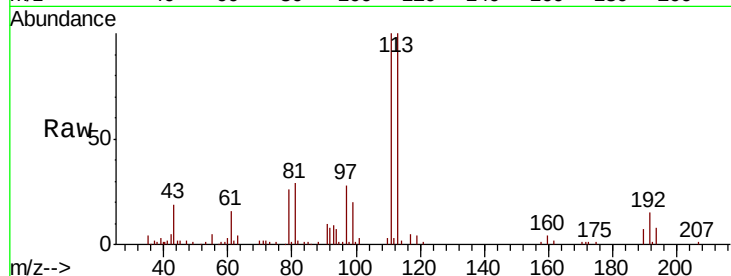




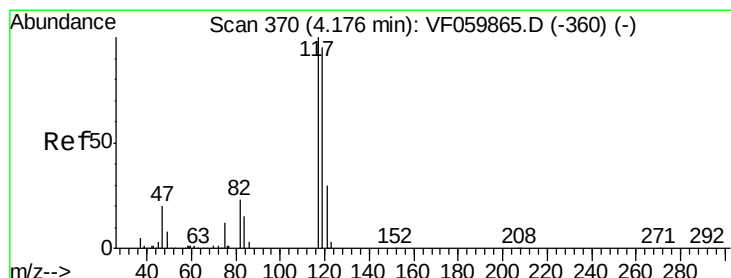
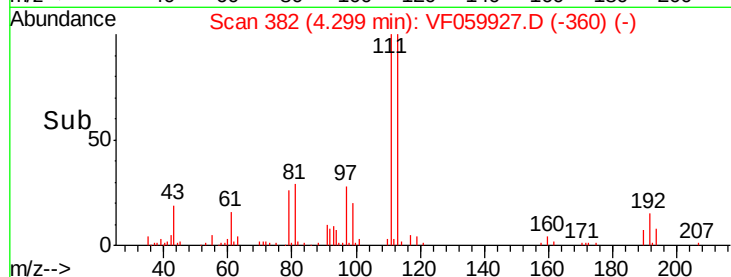
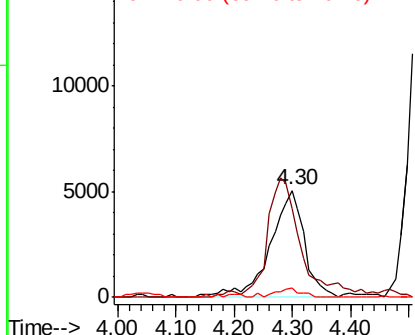
#37  
Ethyl Acetate  
Concen: 30.27 ug/l  
RT: 4.30 min Scan# 382  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

Tot Ion: 43 Resp: 20765  
Ion Ratio Lower Upper  
43 100  
61 82.7 123.7 185.5#  
70 8.2 7.8 11.8

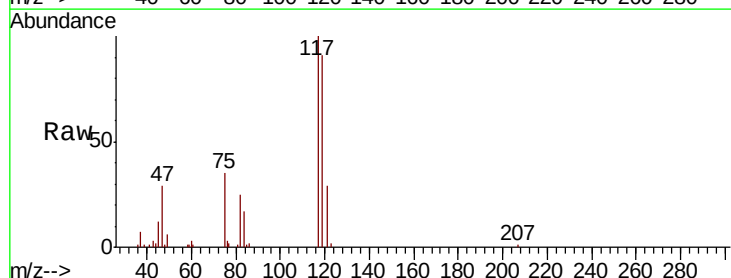


Abundance Ion 43.00 (42.70 to 43.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 70.00 (69.70 to 70.70): VF0

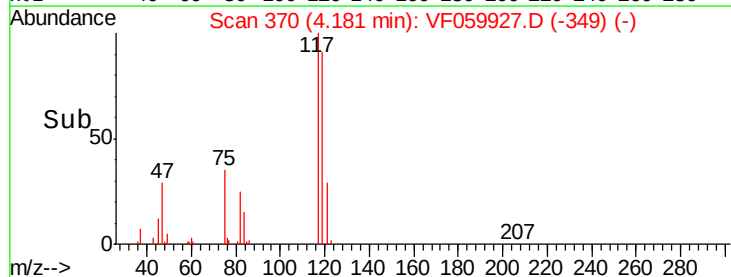
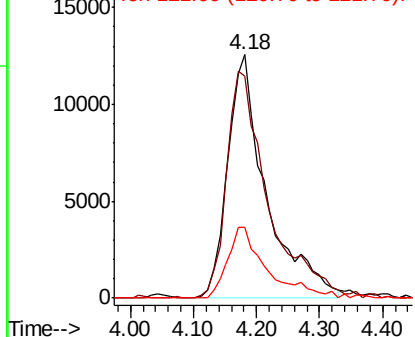


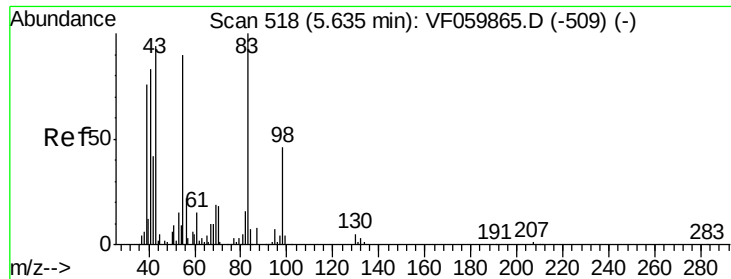
#38  
Carbon Tetrachloride  
Concen: 23.46 ug/l  
RT: 4.18 min Scan# 370  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion: 117 Resp: 53653  
Ion Ratio Lower Upper  
117 100  
119 91.1 76.5 114.7  
121 29.2 23.8 35.8



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

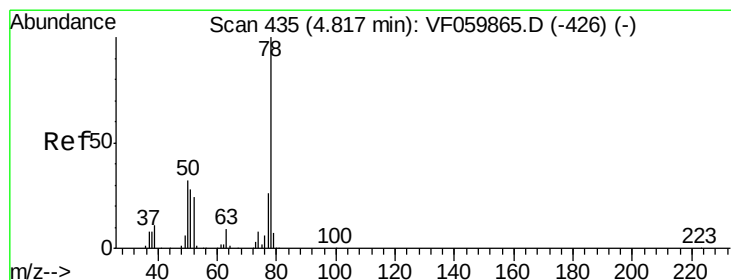
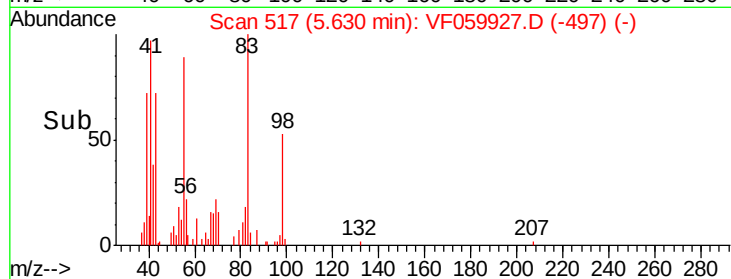
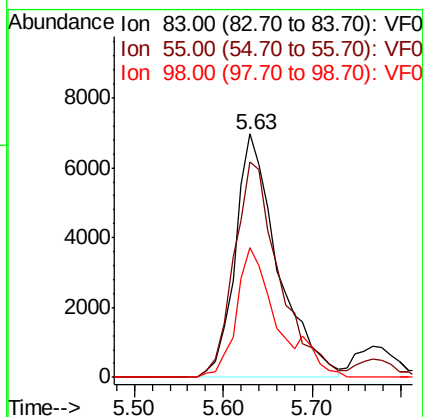
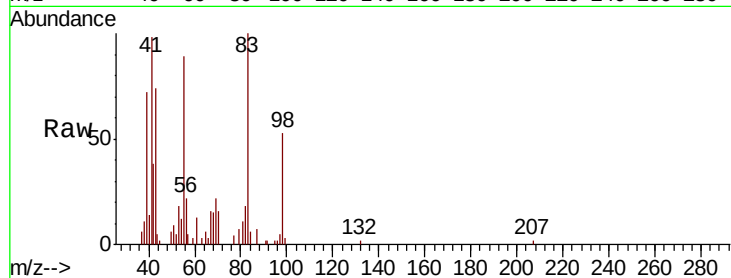




#39  
Methylvlcyclohexane  
Concen: 19.32 ug/l  
RT: 5.63 min Scan# 517  
Delta R.T. -0.00 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

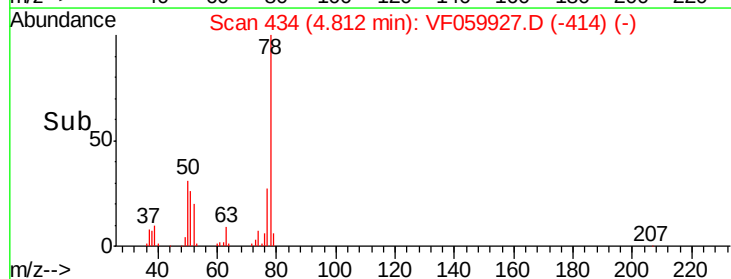
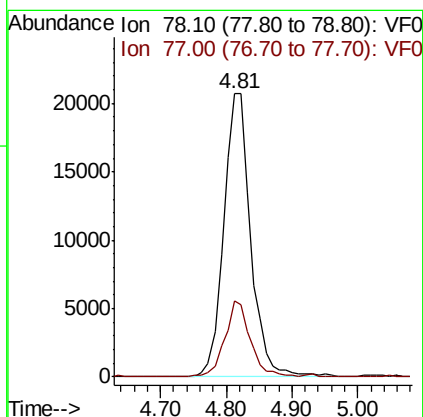
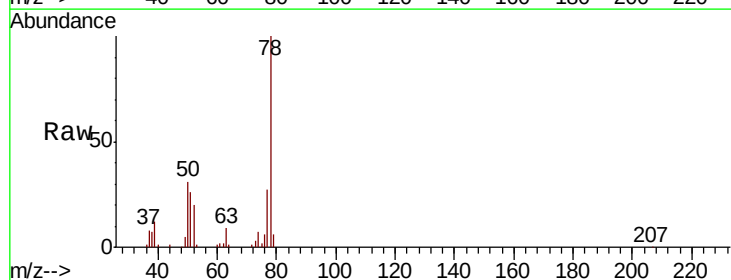
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

Tot Ion: 83 Resp: 23154  
Ion Ratio Lower Upper  
83 100  
55 88.5 72.0 108.0  
98 53.1 36.6 54.8

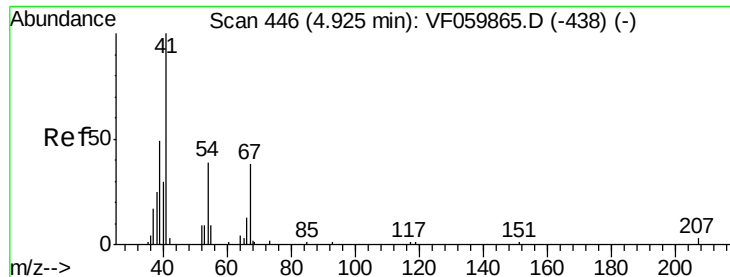


#40  
Benzene  
Concen: 19.81 ug/l  
RT: 4.81 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion: 78 Resp: 59362  
Ion Ratio Lower Upper  
78 100  
77 27.0 20.7 31.1



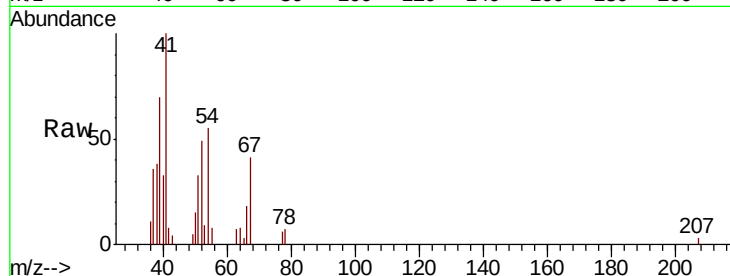




#41  
Methacrylonitrile  
Concen: 25.40 ug/l  
RT: 4.93 min Scan# 446  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

| Tot Ion: | 41    | Resp: | 9197  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 69.5  | 55.1  | 82.7  |
| 67       | 41.1  | 30.3  | 45.5  |
| 52       | 48.9  | 36.0  | 54.0  |



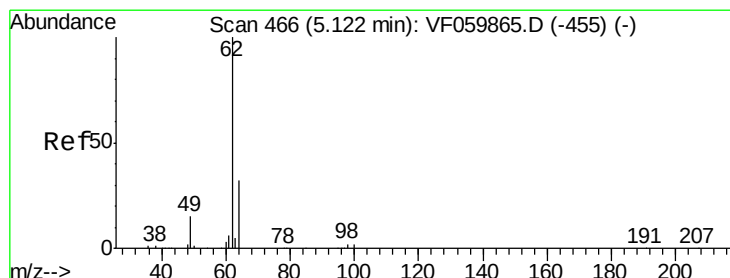
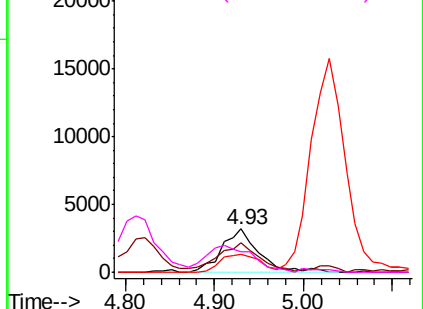
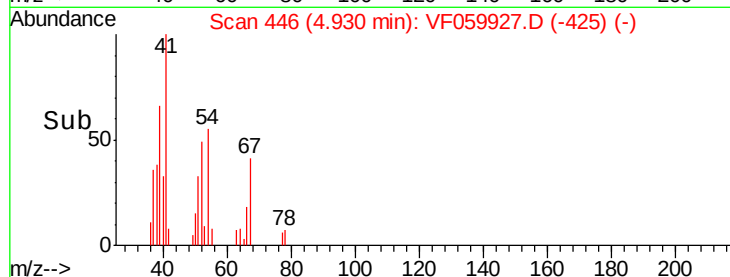
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

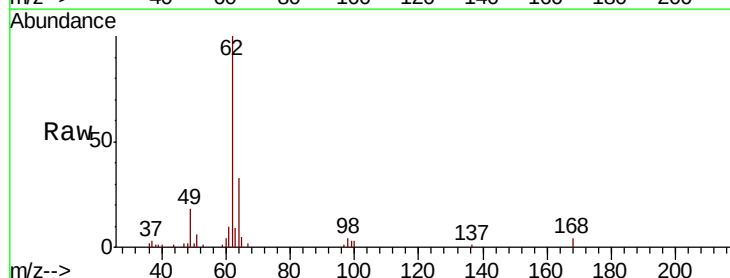
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42  
1,2-Dichloroethane  
Concen: 21.45 ug/l  
RT: 5.13 min Scan# 466  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

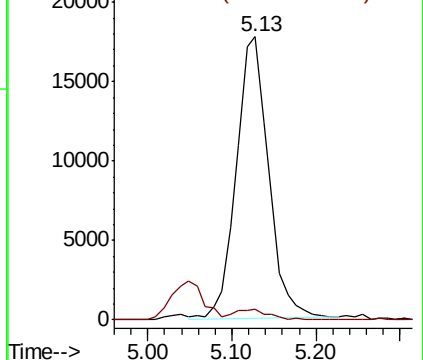
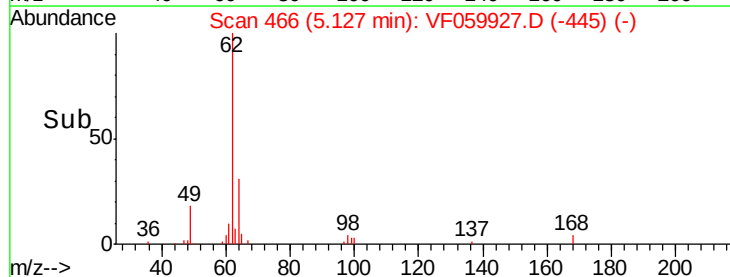
| Tgt Ion: | 62    | Resp: | 47458 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 3.7   | 0.0   | 7.6   |

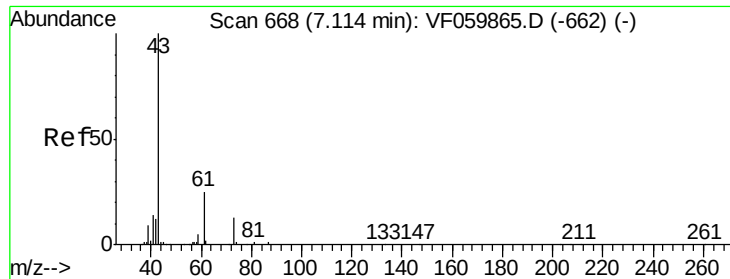


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



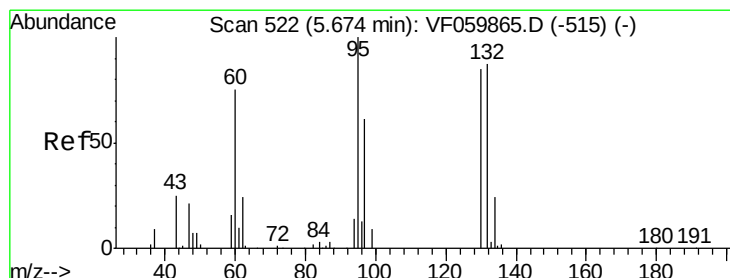
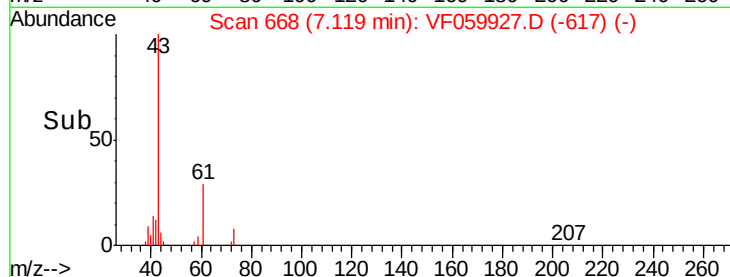
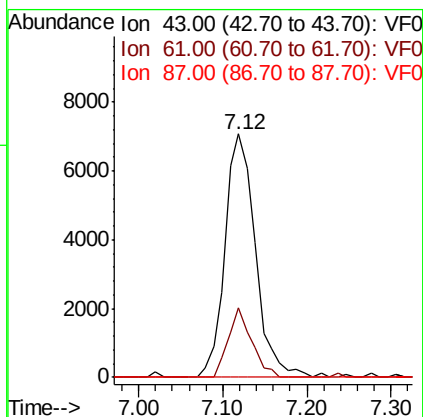
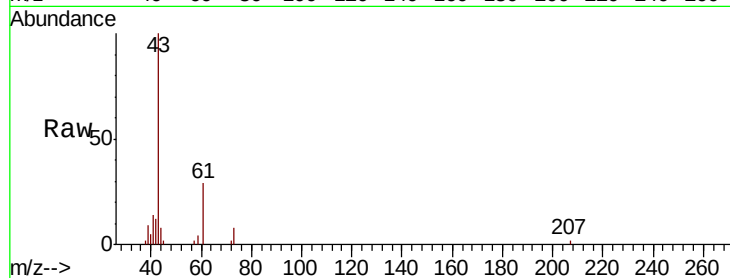


#43

Isopropyl Acetate  
 Concen: 25.23 ug/l  
 RT: 7.12 min Scan# 668  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

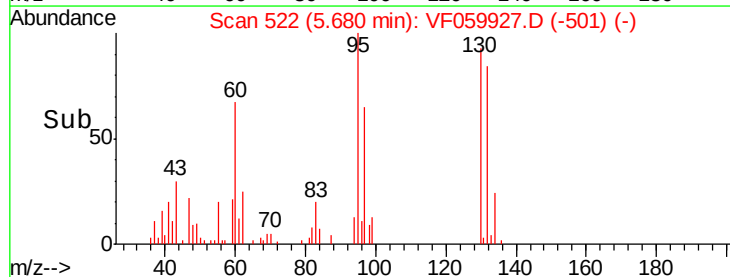
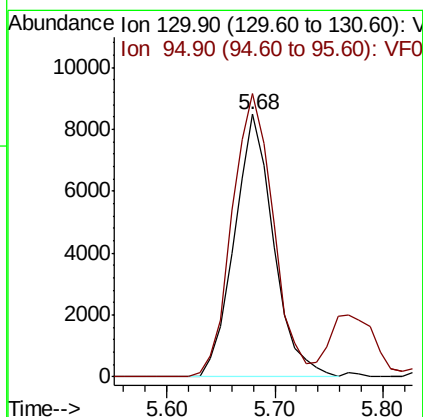
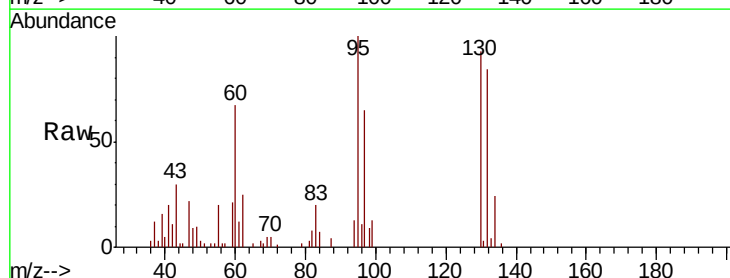
Tot Ion: 43 Resp: 17824  
 Ion Ratio Lower Upper  
 43 100  
 61 28.7 20.3 30.5  
 87 0.0 0.7 1.1#

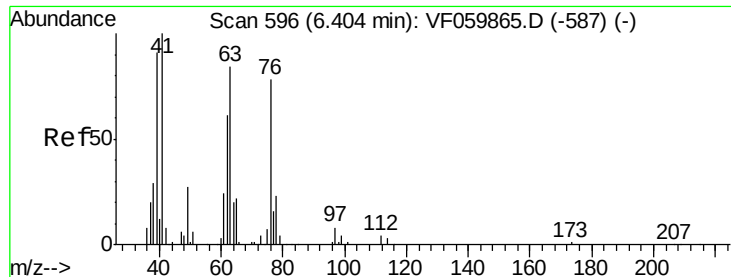


#44

Trichloroethene  
 Concen: 20.03 ug/l  
 RT: 5.68 min Scan# 522  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion: 130 Resp: 21317  
 Ion Ratio Lower Upper  
 130 100  
 95 107.7 0.0 236.8





#45

1,2-Dichloropropane

Concen: 21.31 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

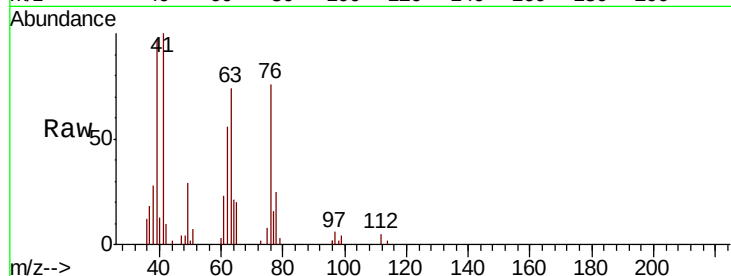
VF0808SBS01

Tot Ion: 63 Resp: 15625

Ion Ratio Lower Upper

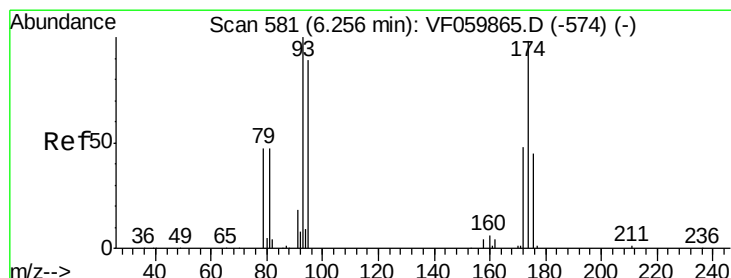
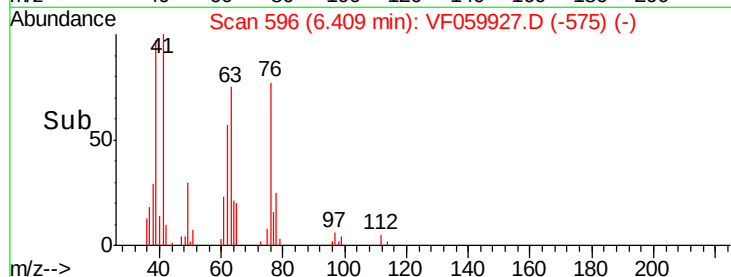
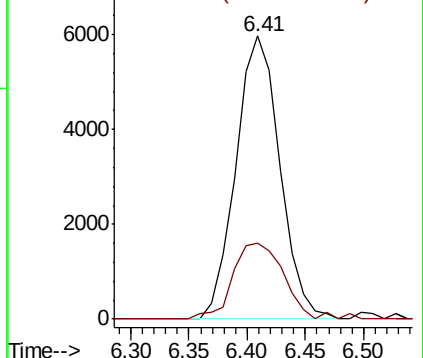
63 100

65 26.9 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.28 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

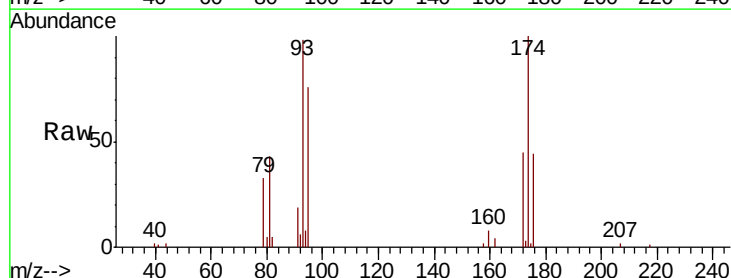
Tgt Ion: 93 Resp: 15740

Ion Ratio Lower Upper

93 100

95 77.8 71.4 107.2

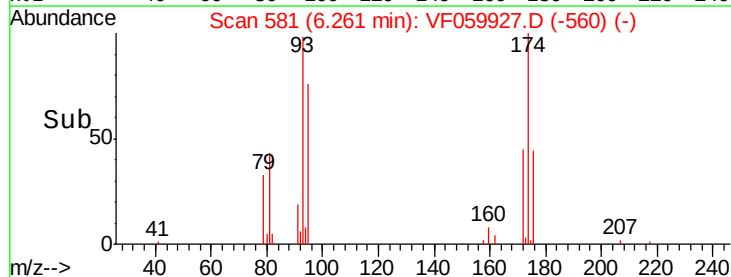
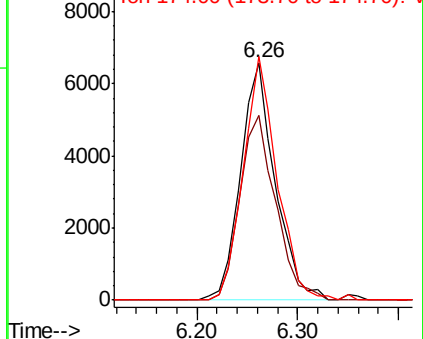
174 102.6 78.1 117.1

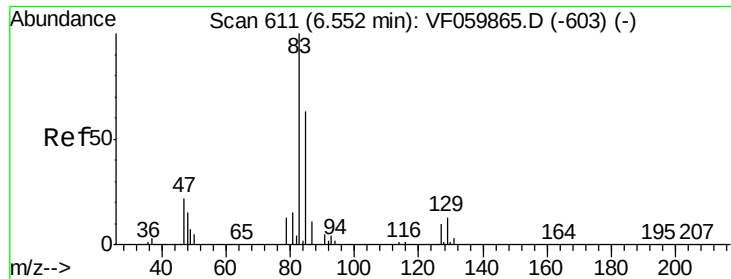


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.45 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

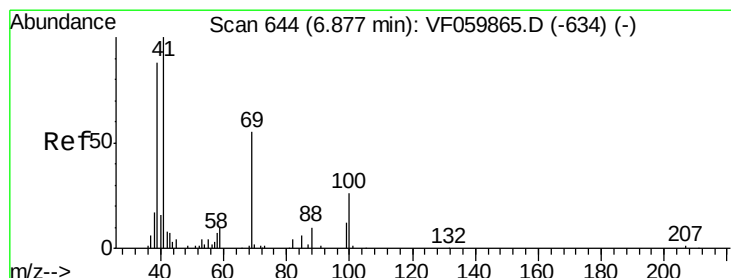
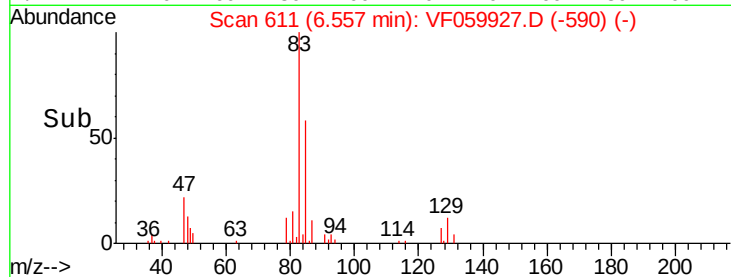
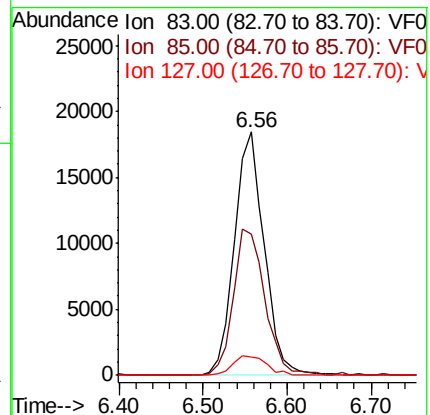
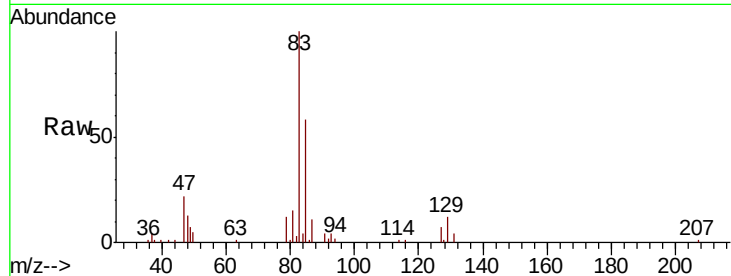
Tot Ion: 83 Resp: 45428

Ion Ratio Lower Upper

83 100

85 58.1 50.7 76.1

127 7.4 8.0 12.0#



#48

Methyl methacrylate

Concen: 25.57 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

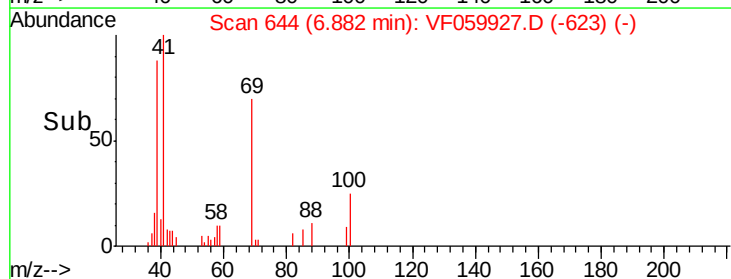
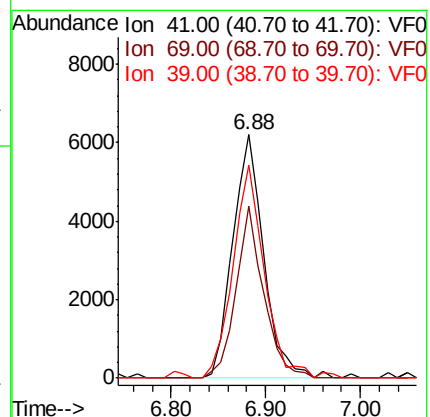
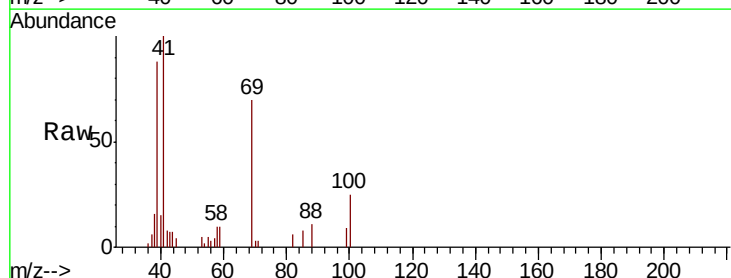
Tgt Ion: 41 Resp: 14054

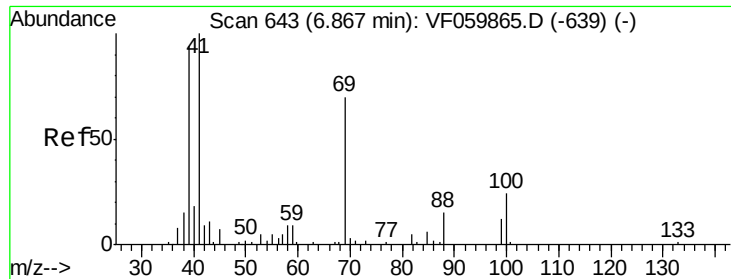
Ion Ratio Lower Upper

41 100

69 70.4 44.4 66.6#

39 87.7 70.6 106.0





#49

1,4-Dioxane

Concen: 574.92 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

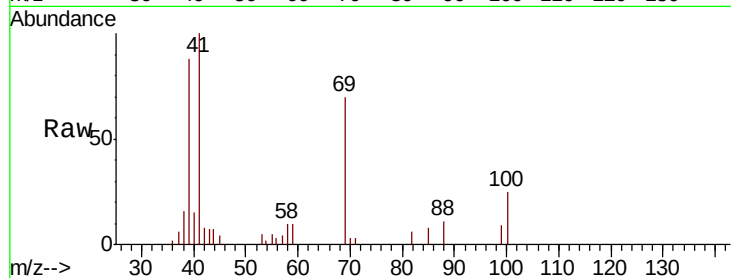
Tot Ion: 88 Resp: 2123

Ion Ratio Lower Upper

88 100

43 69.8 58.3 87.5

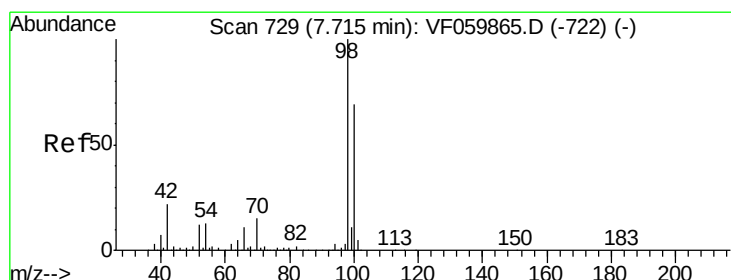
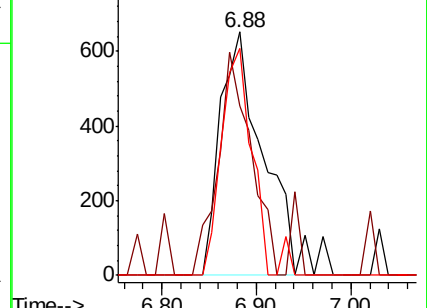
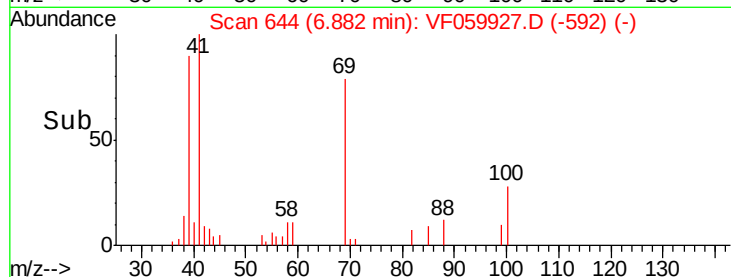
58 93.4 49.4 74.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 55.03 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059927.D

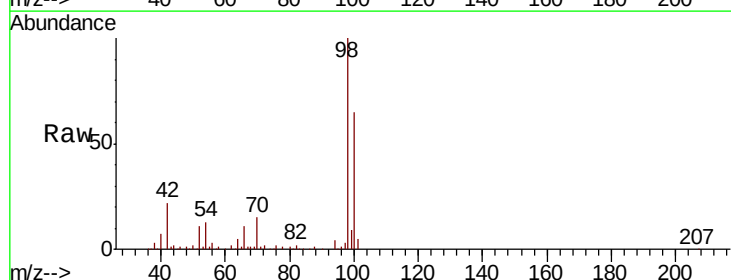
Acq: 8 Aug 2018 13:19

Tgt Ion: 98 Resp: 160910

Ion Ratio Lower Upper

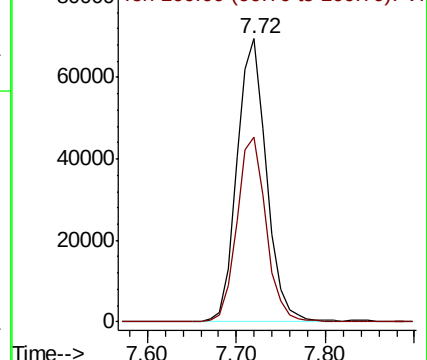
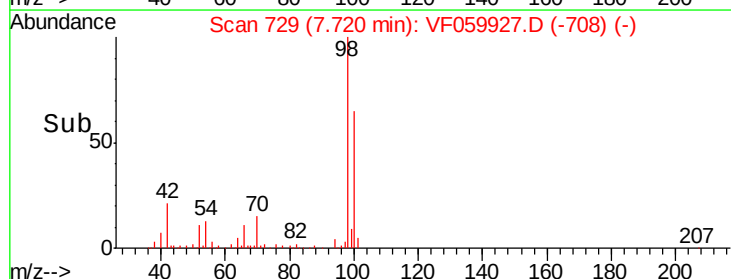
98 100

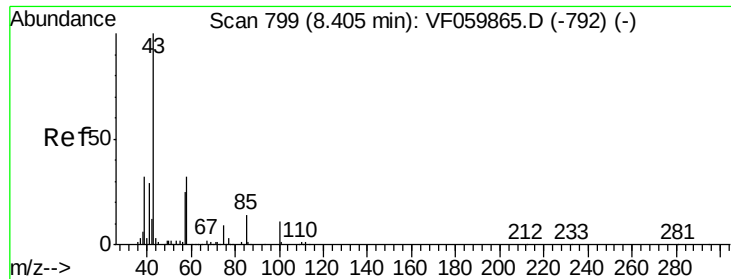
100 65.4 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 137.10 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

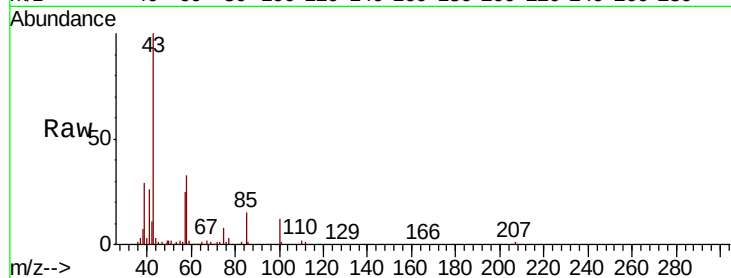
VF0808SBS01

Tot Ion: 43 Resp: 99018

Ion Ratio Lower Upper

43 100

58 33.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

40000

30000

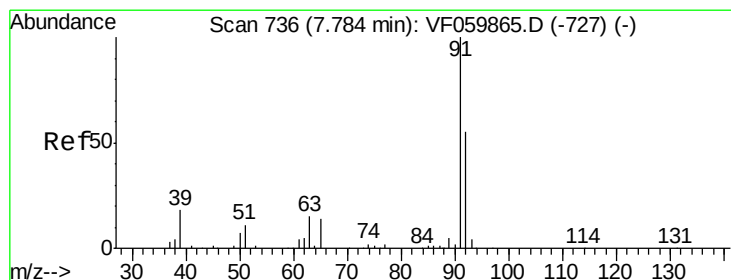
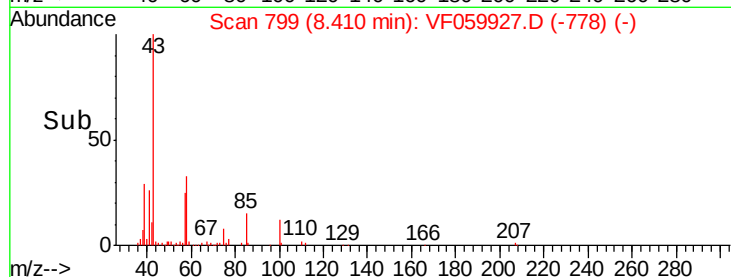
20000

10000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 21.00 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059927.D

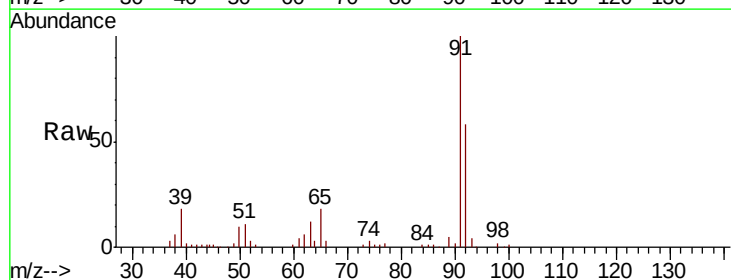
Acq: 8 Aug 2018 13:19

Tgt Ion: 92 Resp: 42385

Ion Ratio Lower Upper

92 100

91 172.1 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

30000

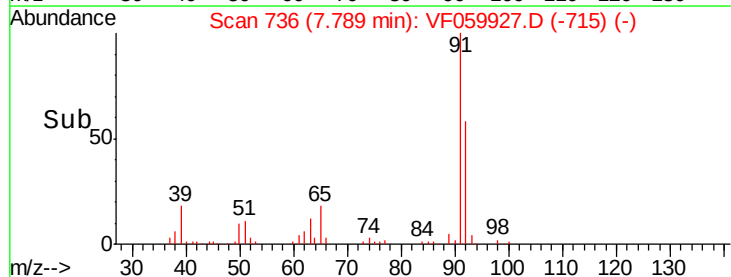
20000

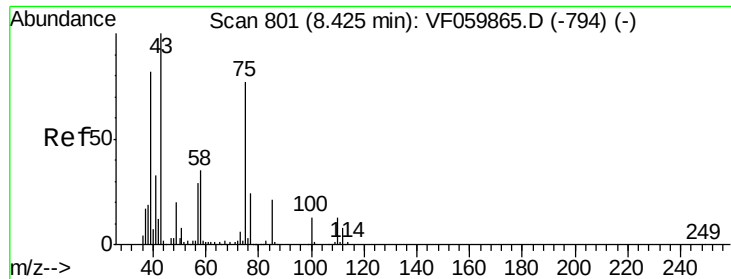
10000

0

7.70 7.80 7.90

Time-->

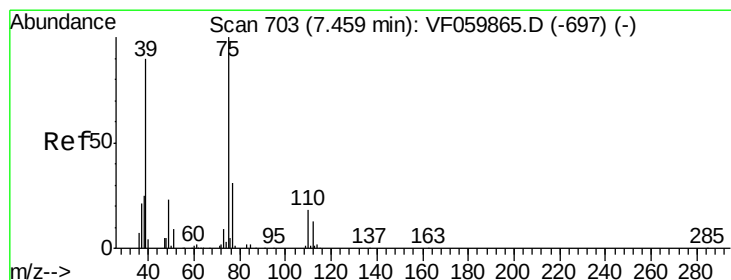
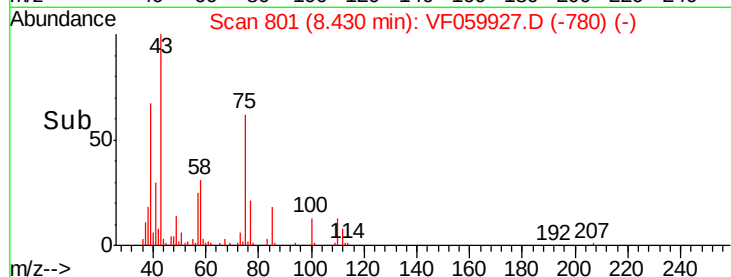
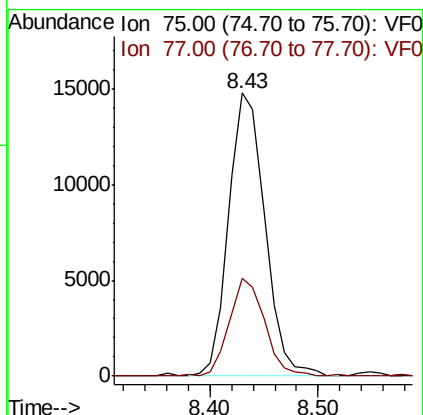
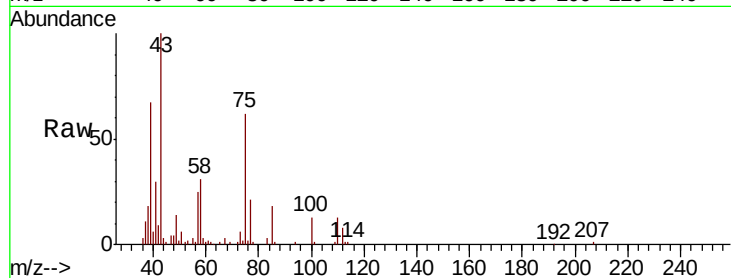




#53  
t-1,3-Dichloropropene  
Concen: 22.45 ug/l  
RT: 8.43 min Scan# 801  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

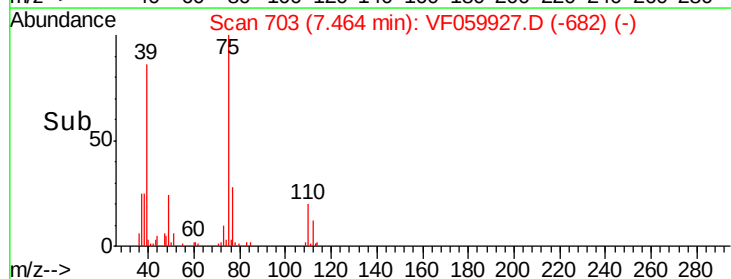
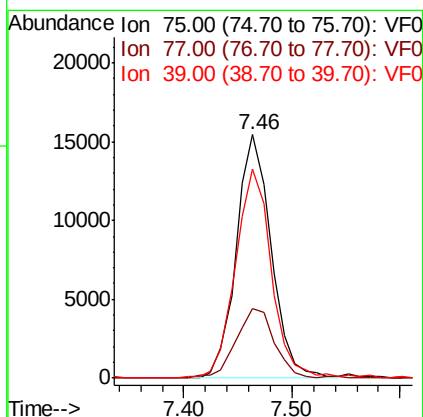
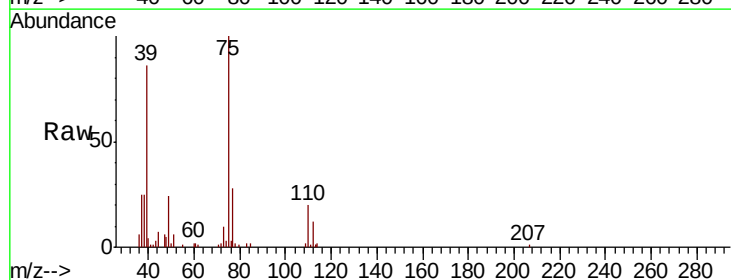
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

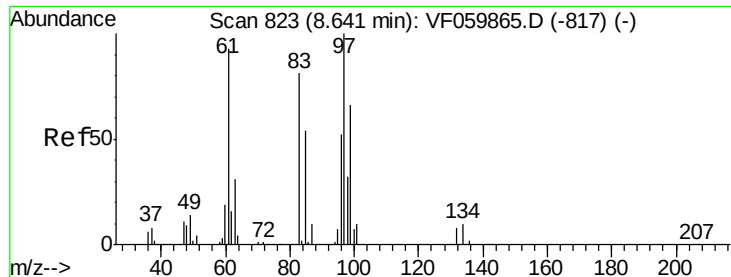
Tot Ion: 75 Resp: 34550  
Ion Ratio Lower Upper  
75 100  
77 34.5 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 21.98 ug/l  
RT: 7.46 min Scan# 703  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion: 75 Resp: 34909  
Ion Ratio Lower Upper  
75 100  
77 28.3 24.7 37.1  
39 86.0 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 22.75 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

Tot Ion: 97 Resp: 16528

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.6  | 64.4  | 96.6  |
| 85  | 57.4  | 43.1  | 64.7  |
| 99  | 60.8  | 52.7  | 79.1  |

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

8.65

Time-->

8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70

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8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70

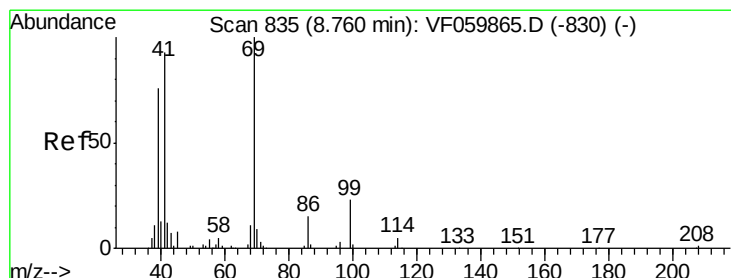
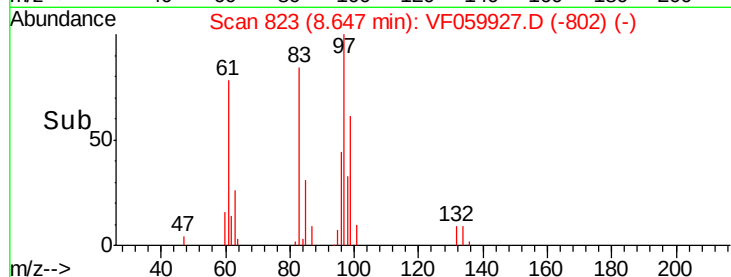
8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70

8.55 8.60 8.65 8.70



#56

Ethyl methacrylate

Concen: 23.87 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.02 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion: 69 Resp: 17517

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 76.6  | 74.7  | 112.1 |
| 39  | 65.7  | 61.1  | 91.7  |

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

8.77

Time-->

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

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8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

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8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

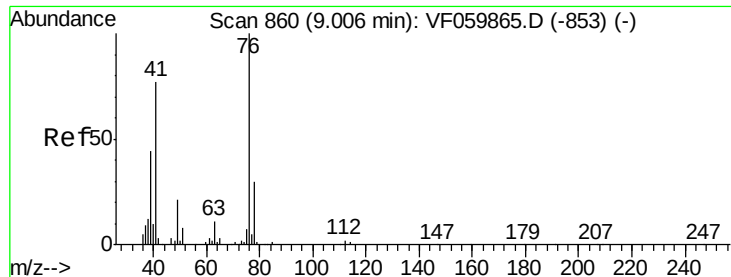
8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

8.65 8.70 8.75 8.80 8.85

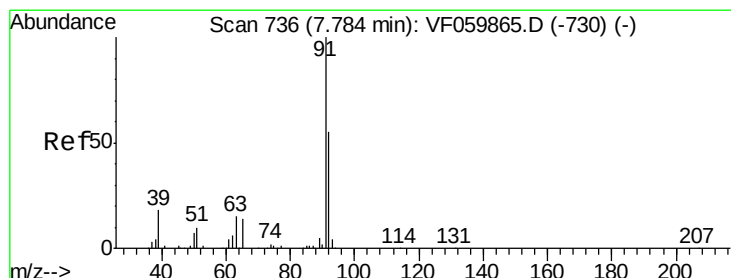
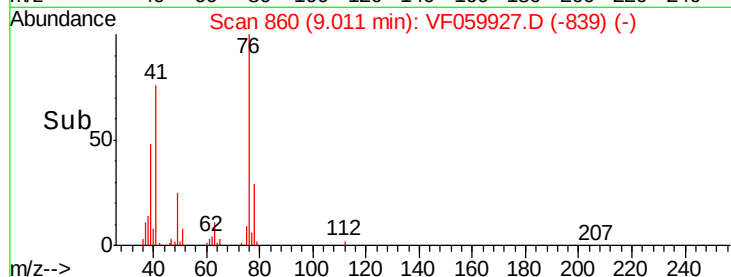
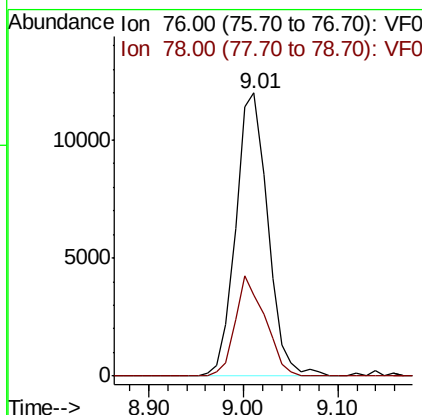
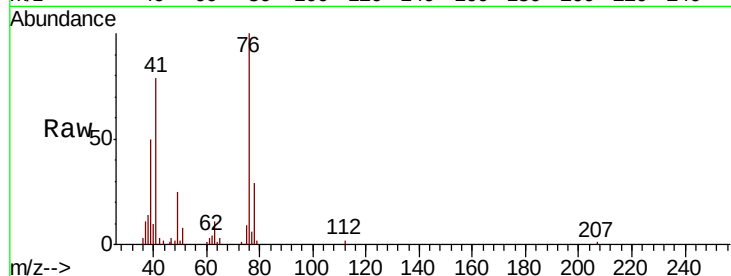




#57  
 1,3-Dichloropropane  
 Concen: 22.54 ug/l  
 RT: 9.01 min Scan# 860  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

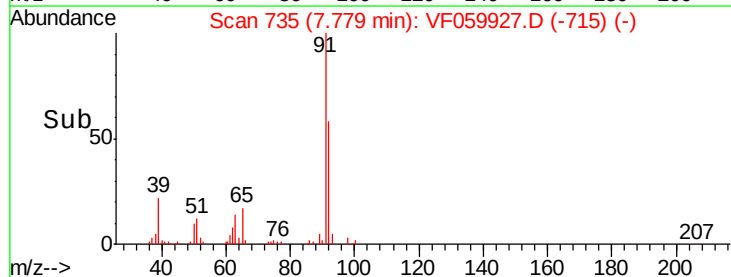
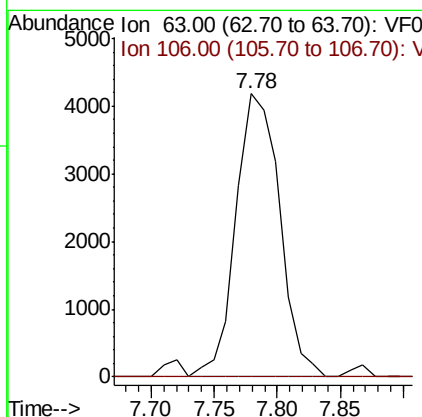
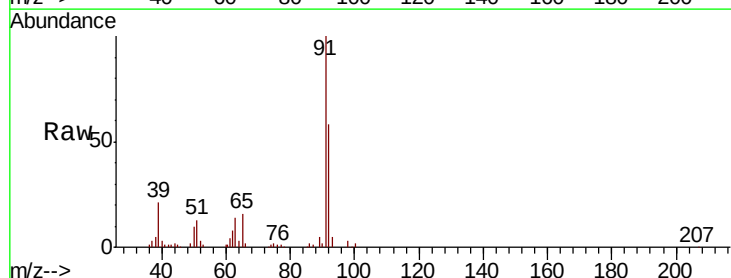
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

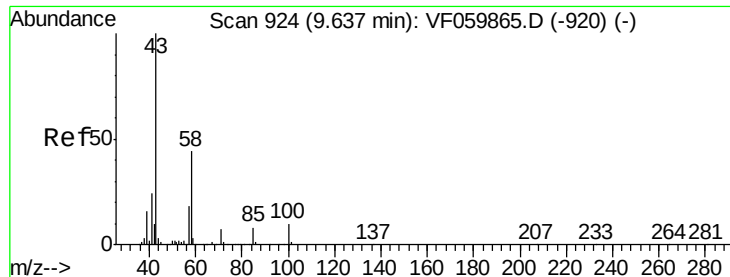
Tot Ion: 76 Resp: 28119  
 Ion Ratio Lower Upper  
 76 100  
 78 28.7 24.2 36.2



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 104.89 ug/l  
 RT: 7.78 min Scan# 735  
 Delta R.T. -0.00 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion: 63 Resp: 10080  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 0.0 0.0

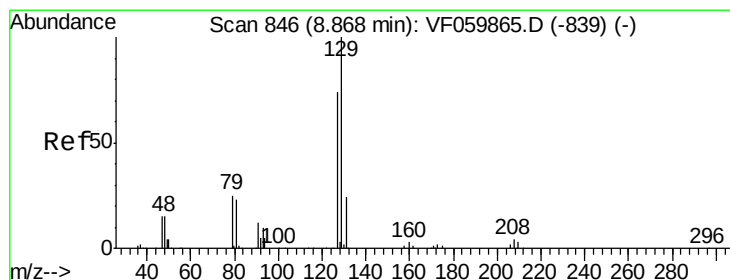
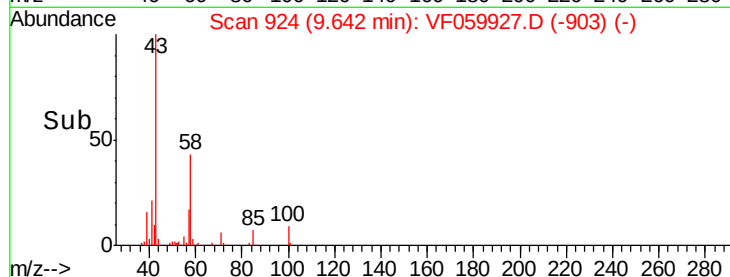
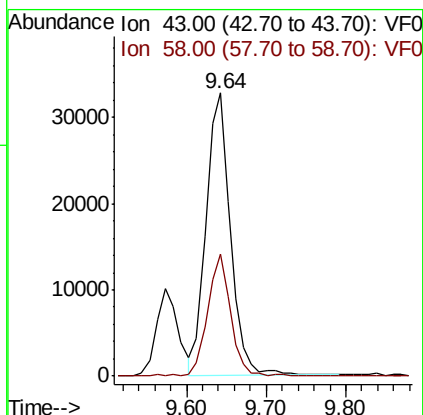
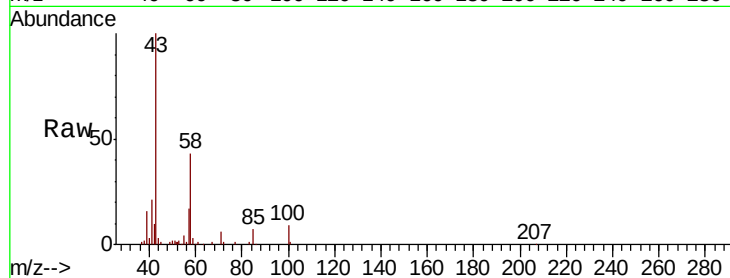




#59  
2-Hexanone  
Concen: 136.97 ug/l  
RT: 9.64 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

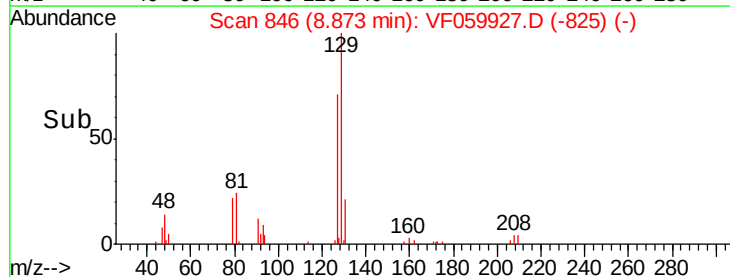
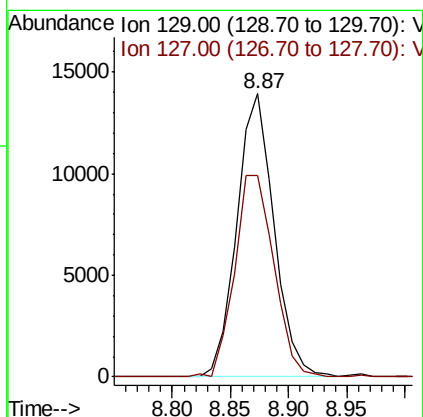
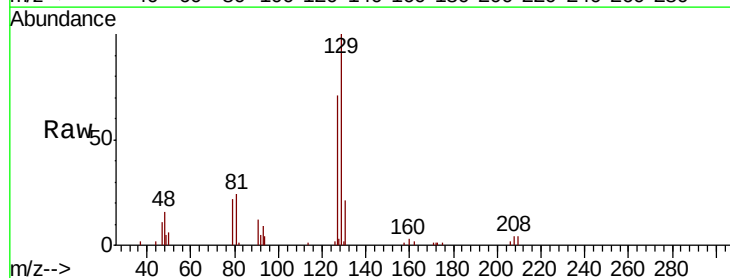
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

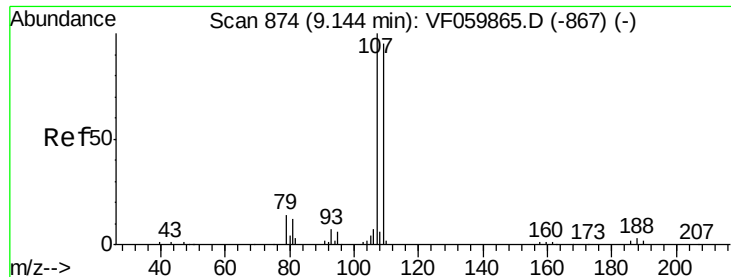
Tot Ion: 43 Resp: 69879  
Ion Ratio Lower Upper  
43 100  
58 43.3 20.8 62.2



#60  
Dibromochloromethane  
Concen: 22.60 ug/l  
RT: 8.87 min Scan# 846  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion: 129 Resp: 30797  
Ion Ratio Lower Upper  
129 100  
127 71.3 36.9 110.7

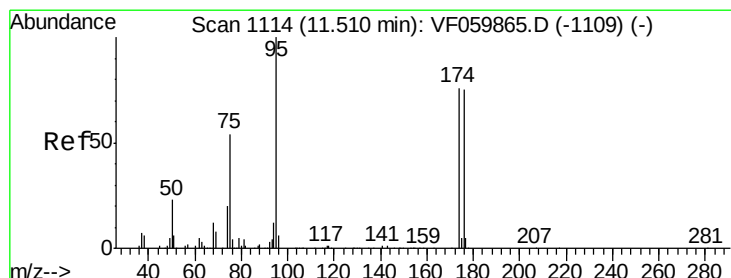
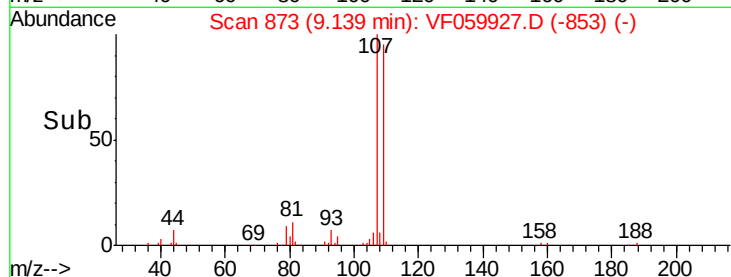
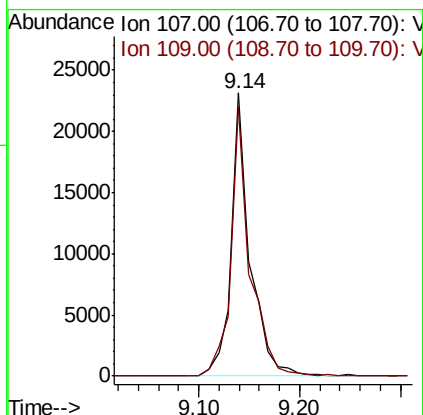
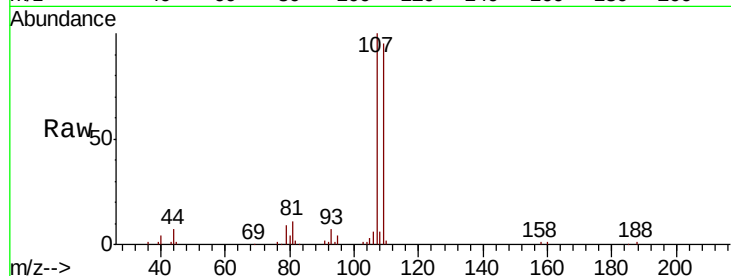




#61  
 1,2-Dibromoethane  
 Concen: 33.70 ug/l  
 RT: 9.14 min Scan# 873  
 Delta R.T. -0.00 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

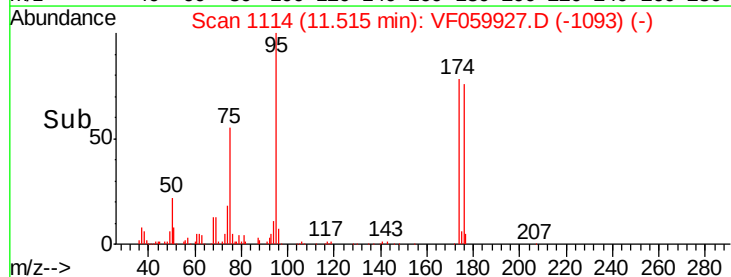
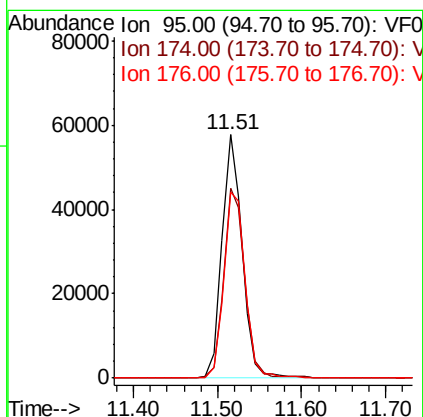
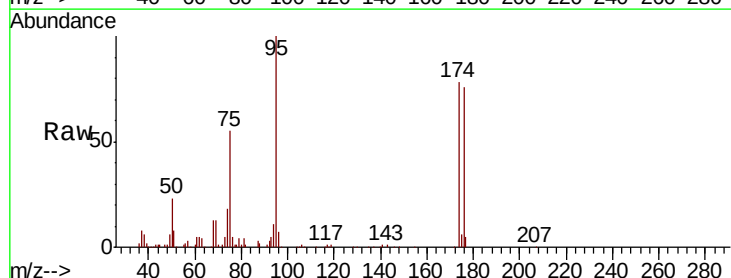
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

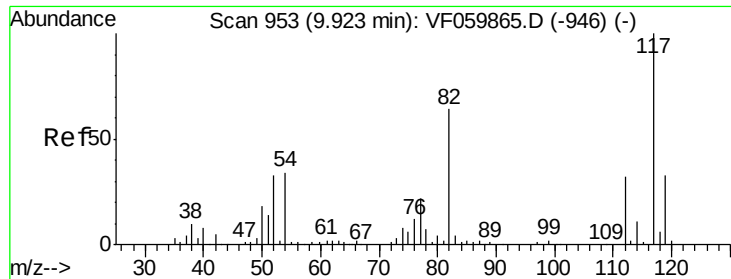
Tot Ion:107 Resp: 29825  
 Ion Ratio Lower Upper  
 107 100  
 109 95.1 75.8 113.8



#62  
 4-Bromofluorobenzene  
 Concen: 58.57 ug/l  
 RT: 11.51 min Scan# 1114  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion: 95 Resp: 96237  
 Ion Ratio Lower Upper  
 95 100  
 174 77.7 0.0 151.6  
 176 76.2 0.0 149.8

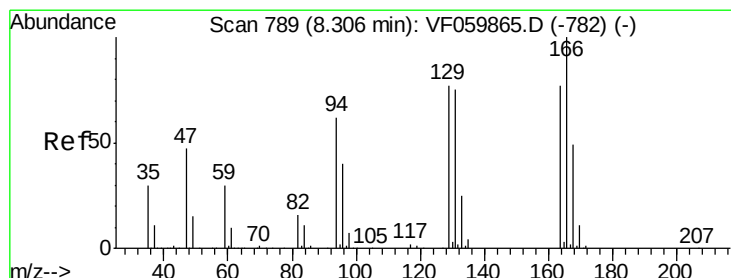
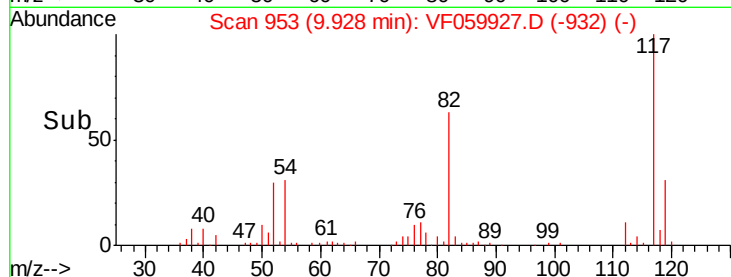
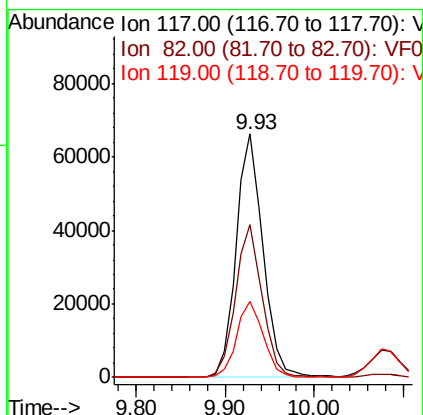
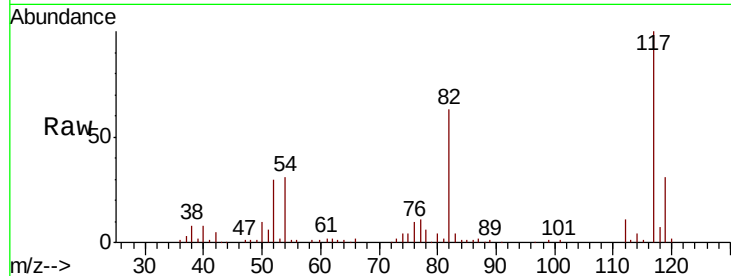




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

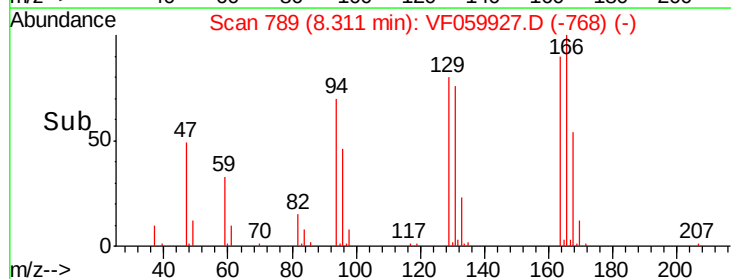
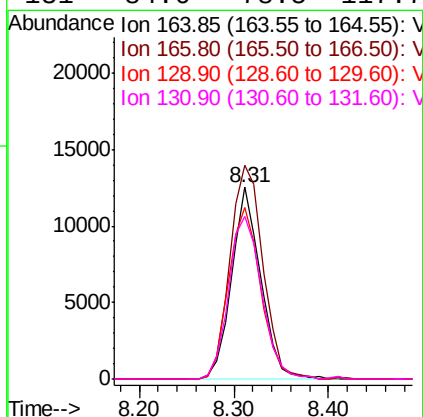
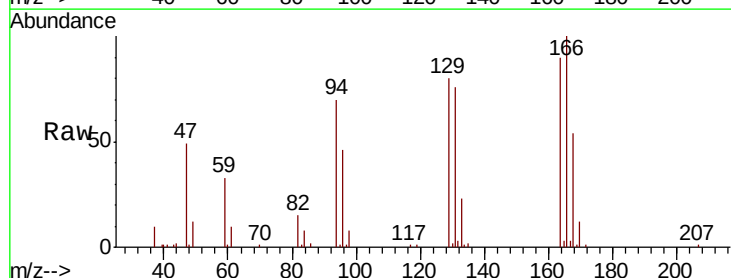
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

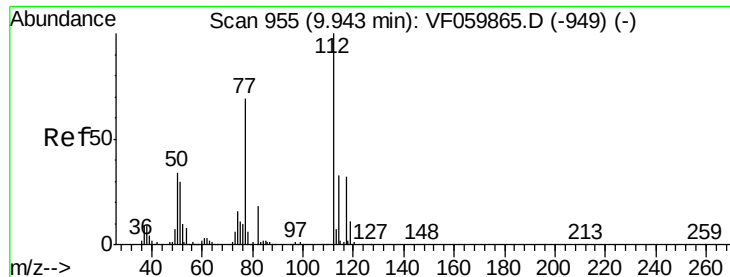
Tot Ion:117 Resp: 139206  
Ion Ratio Lower Upper  
117 100  
82 62.9 51.3 76.9  
119 31.3 26.4 39.6



#64  
Tetrachloroethene  
Concen: 22.25 ug/l  
RT: 8.31 min Scan# 789  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion:164 Resp: 26716  
Ion Ratio Lower Upper  
164 100  
166 111.4 104.4 156.6  
129 89.4 80.3 120.5  
131 84.6 78.5 117.7

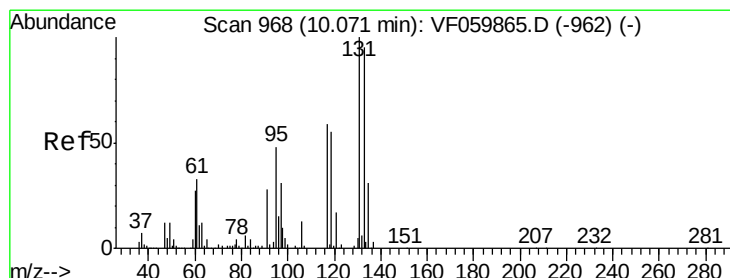
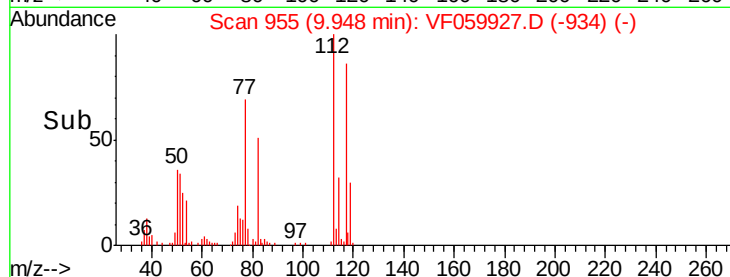
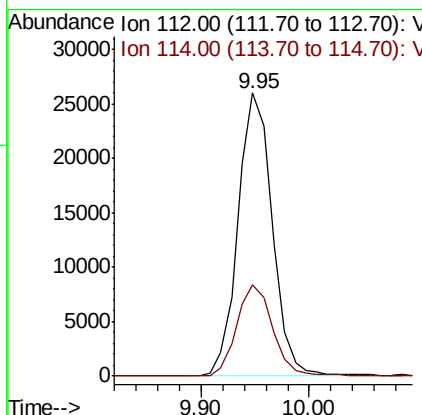
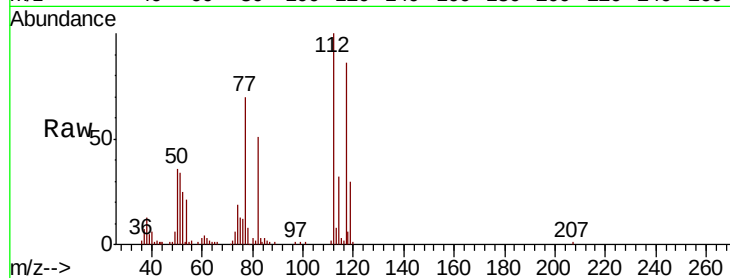




#65  
Chlorobenzene  
Concen: 20.24 ug/l  
RT: 9.95 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

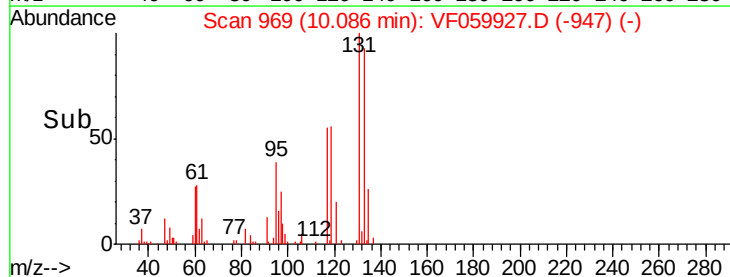
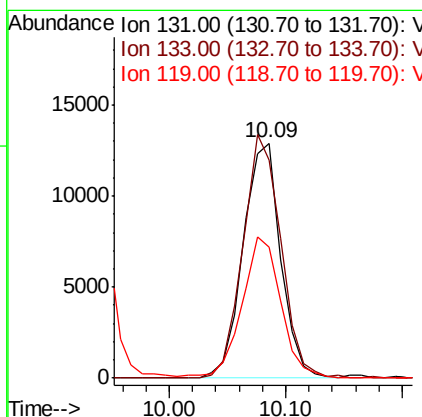
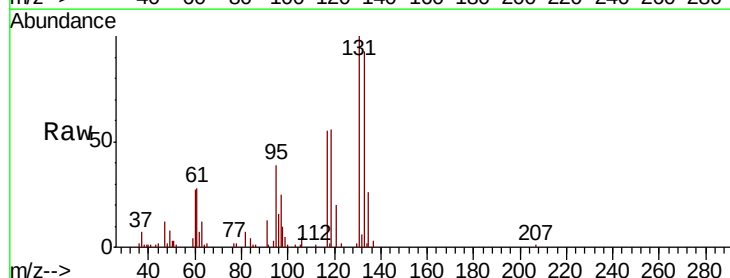
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

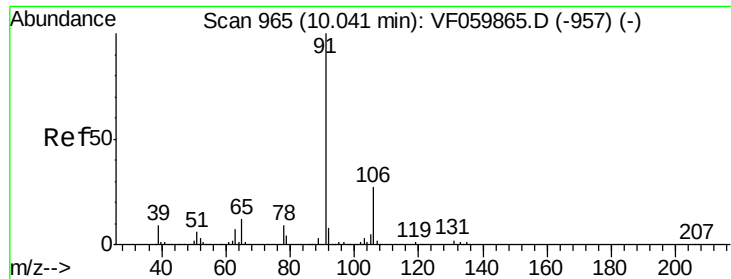
Tot Ion:112 Resp: 57190  
Ion Ratio Lower Upper  
112 100  
114 32.3 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.55 ug/l  
RT: 10.09 min Scan# 969  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion:131 Resp: 28878  
Ion Ratio Lower Upper  
131 100  
133 93.0 47.4 142.2  
119 55.9 27.7 83.1





#67

Ethyl Benzene

Concen: 21.58 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

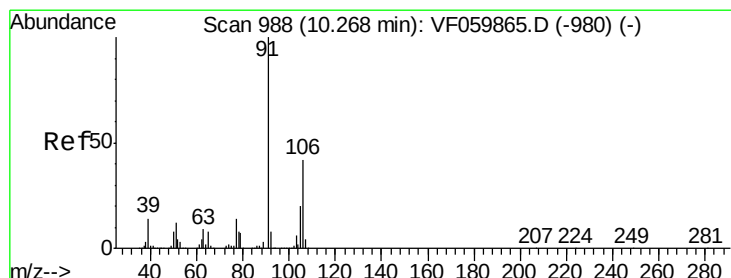
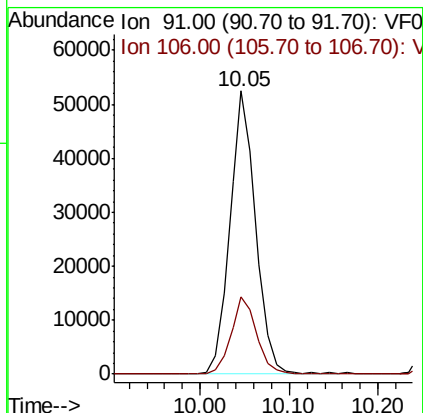
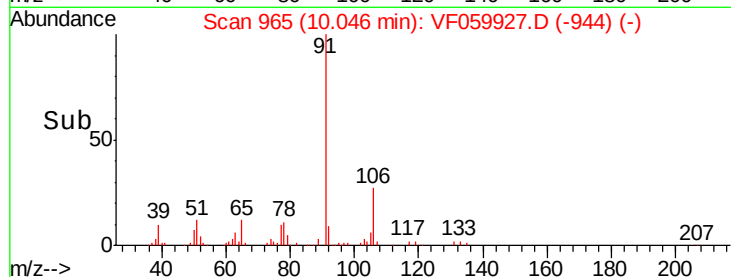
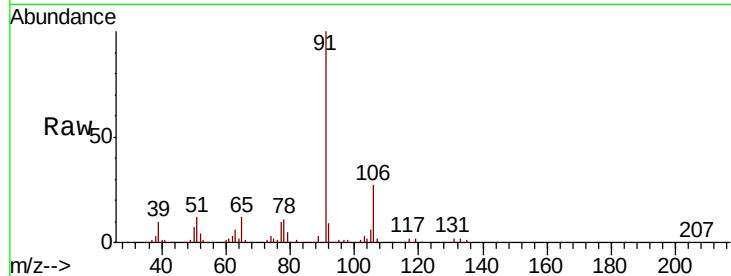
VF0808SBS01

Tot Ion: 91 Resp: 106210

Ion Ratio Lower Upper

91 100

106 27.1 21.5 32.3



#68

m/p-Xylenes

Concen: 42.57 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059927.D

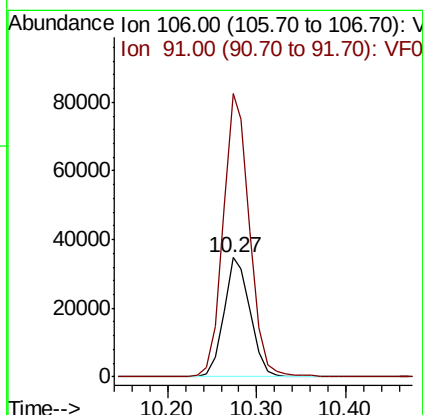
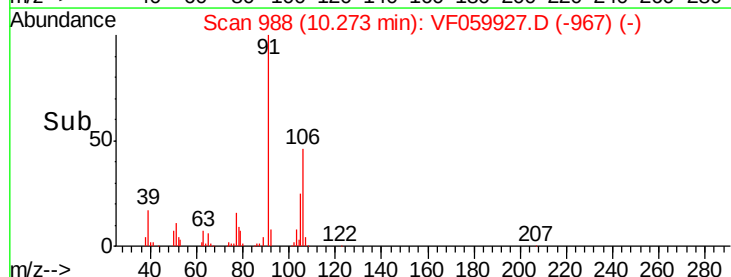
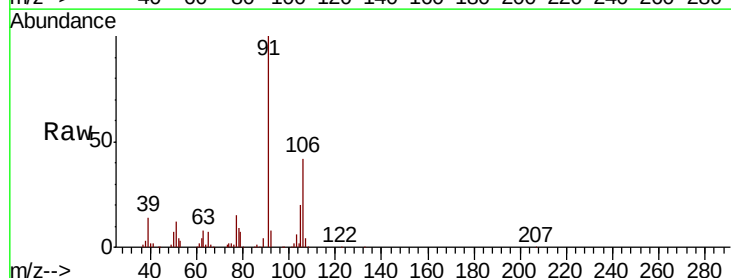
Acq: 8 Aug 2018 13:19

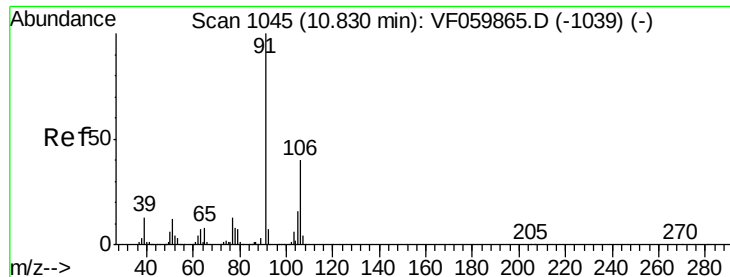
Tgt Ion:106 Resp: 72435

Ion Ratio Lower Upper

106 100

91 237.4 192.1 288.1

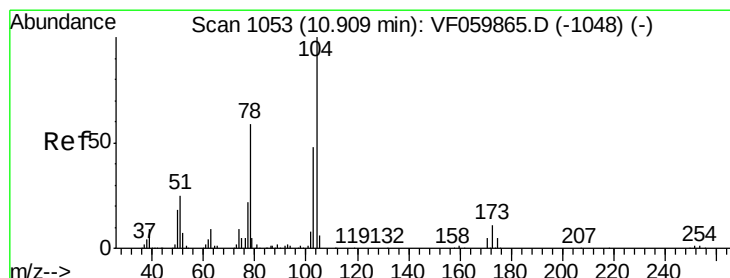
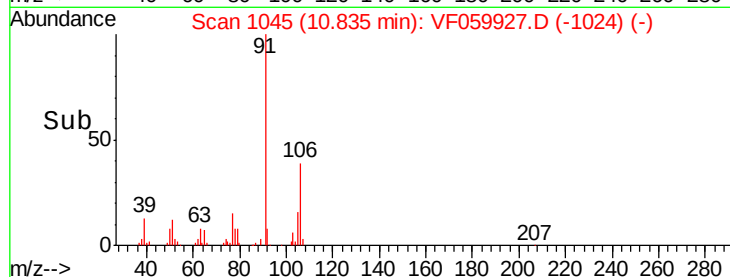
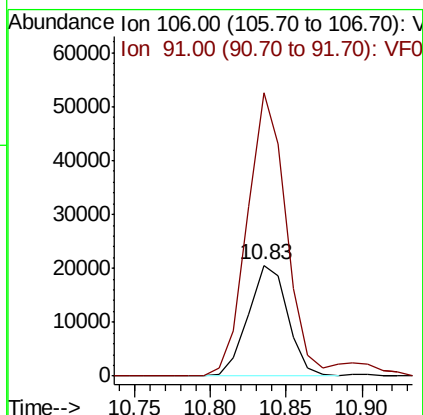
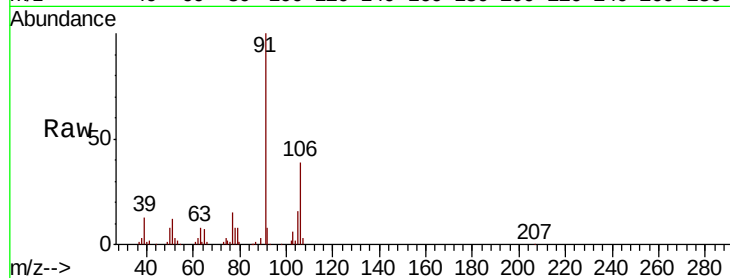




#69  
o-Xylene  
Concen: 20.89 ug/l  
RT: 10.83 min Scan# 1045  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

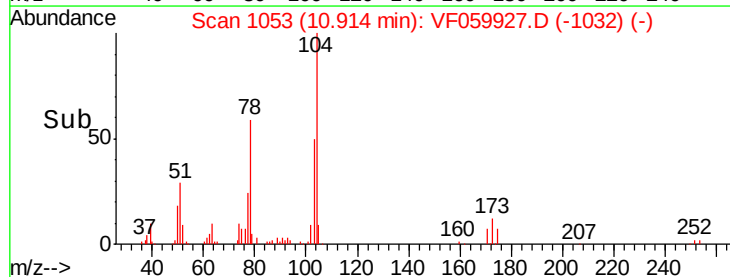
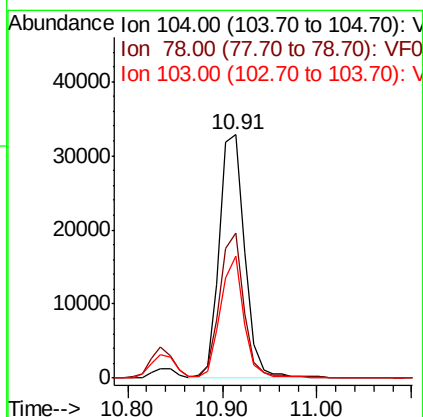
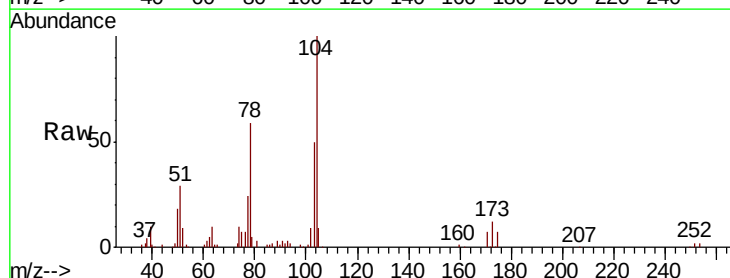
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

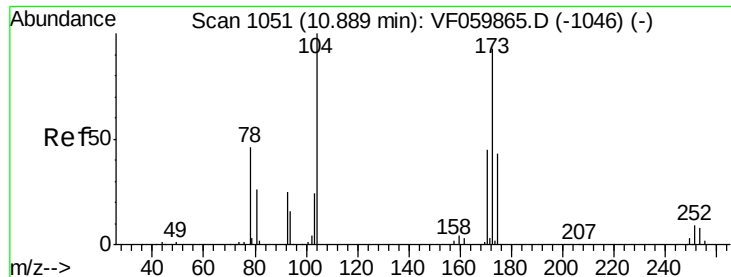
Tot Ion:106 Resp: 37648  
Ion Ratio Lower Upper  
106 100  
91 255.9 125.4 376.2



#70  
Styrene  
Concen: 22.89 ug/l  
RT: 10.91 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Tgt Ion:104 Resp: 61566  
Ion Ratio Lower Upper  
104 100  
78 59.4 47.3 70.9  
103 50.4 39.0 58.4





#71

Bromoform

Concen: 23.55 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

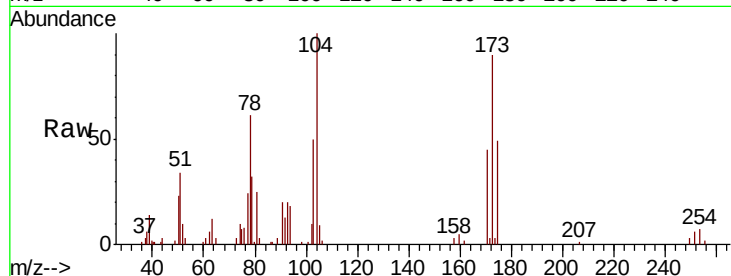
Tot Ion:173 Resp: 20289

Ion Ratio Lower Upper

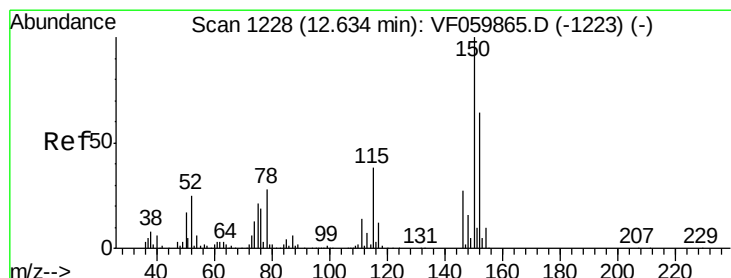
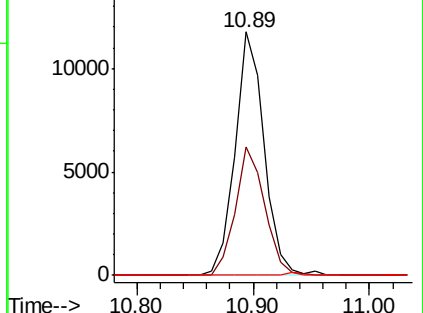
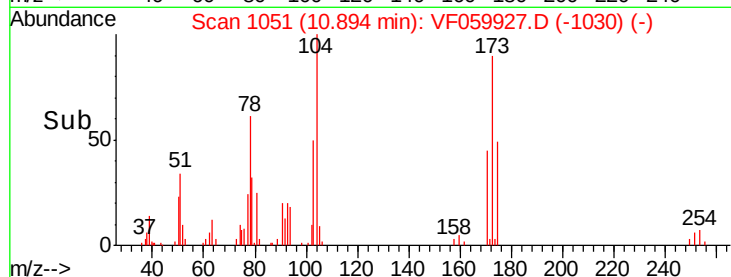
173 100

175 52.9 23.4 70.2

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V  
Ion 175.00 (174.70 to 175.70): V  
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

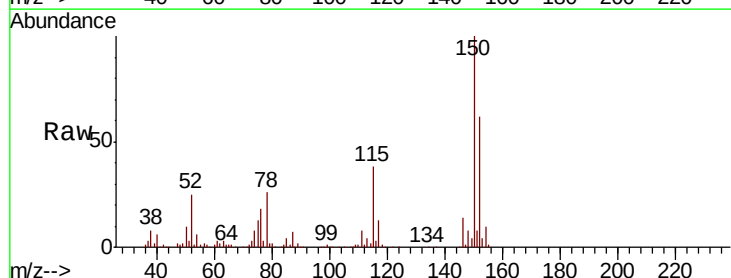
Tgt Ion:152 Resp: 95290

Ion Ratio Lower Upper

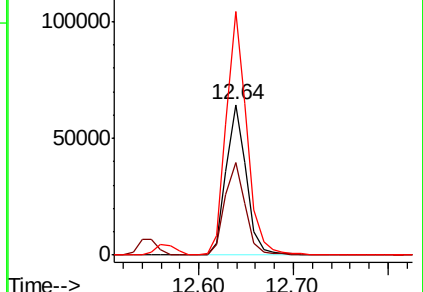
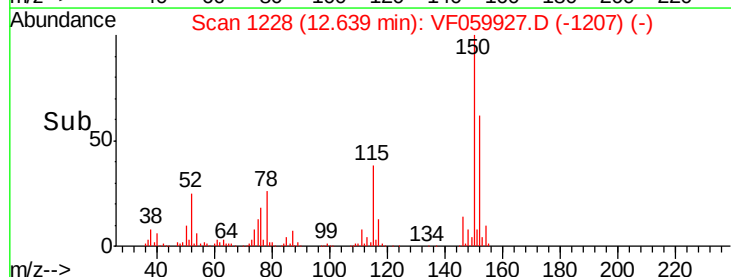
152 100

115 61.7 29.8 89.4

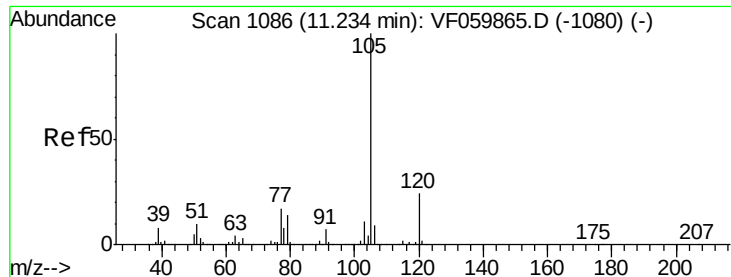
150 161.8 0.0 315.6



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: 22.13 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

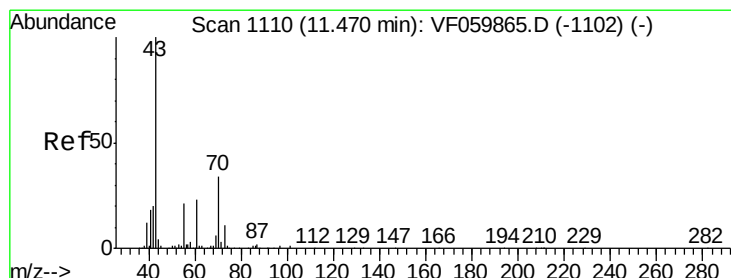
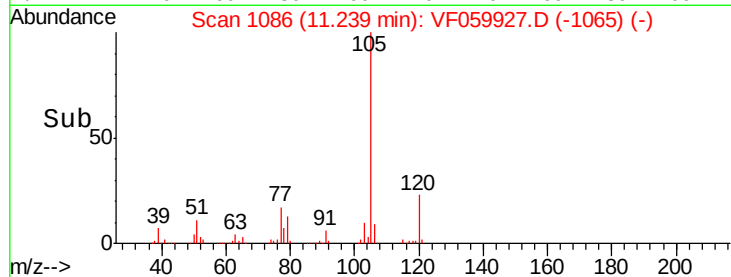
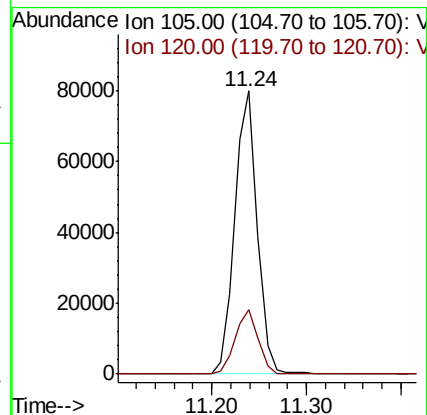
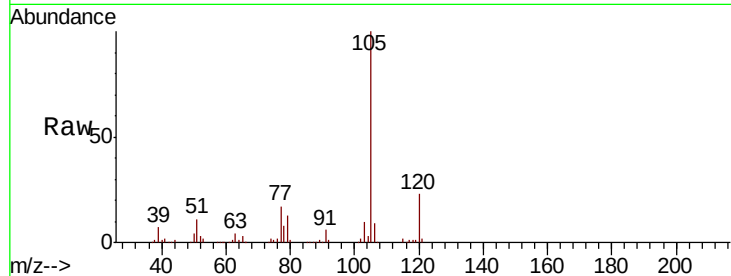
VF0808SBS01

Tot Ion:105 Resp: 131370

Ion Ratio Lower Upper

105 100

120 22.9 12.1 36.3



#74

N-ethyl acetate

Concen: 21.10 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion: 43 Resp: 28314

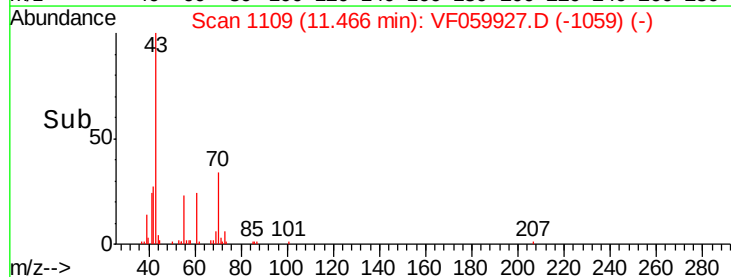
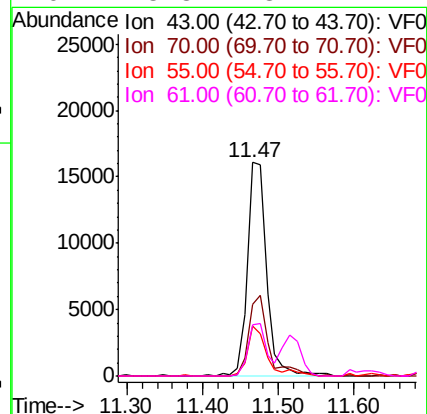
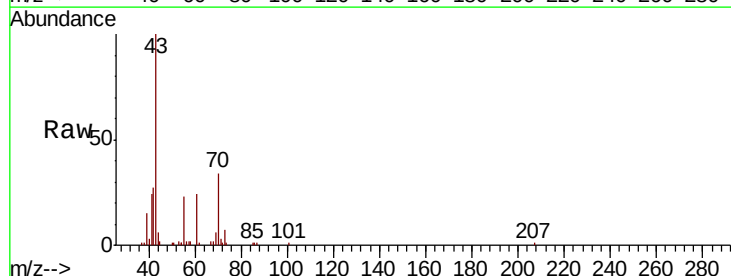
Ion Ratio Lower Upper

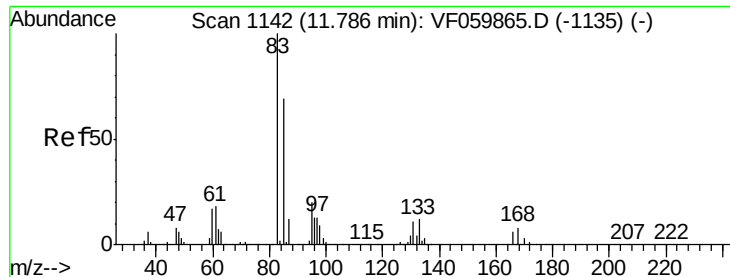
43 100

70 33.5 27.5 41.3

55 23.2 16.6 25.0

61 23.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.20 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

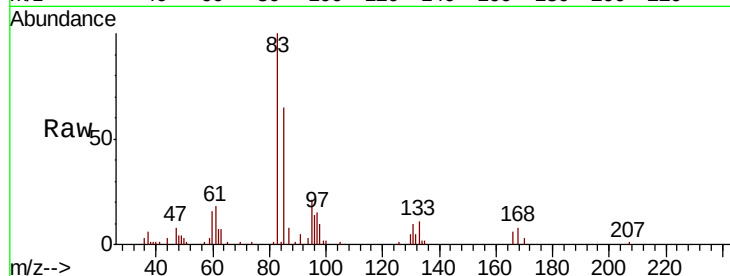
Tot Ion: 83 Resp: 24738

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

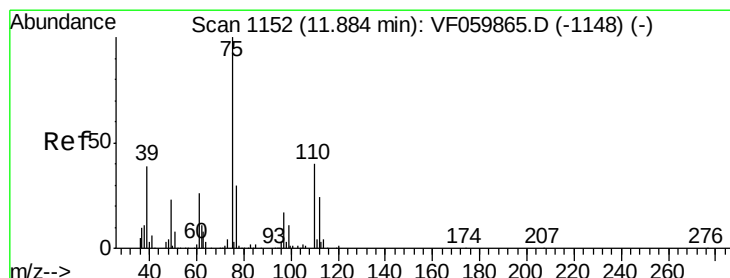
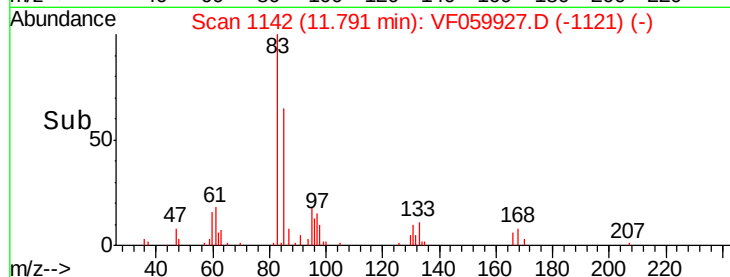
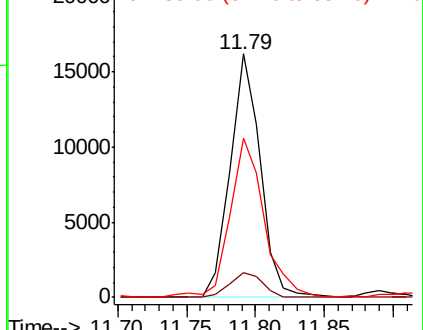
85 65.2 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 23.52 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059927.D

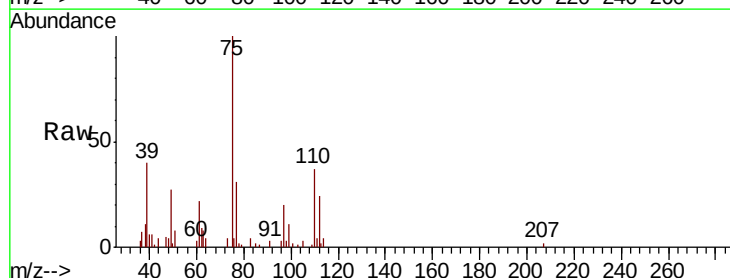
Acq: 8 Aug 2018 13:19

Tgt Ion: 75 Resp: 22512

Ion Ratio Lower Upper

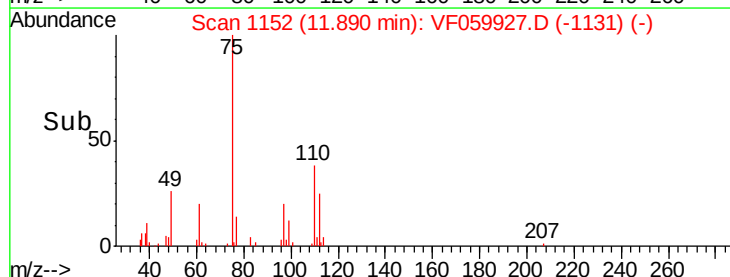
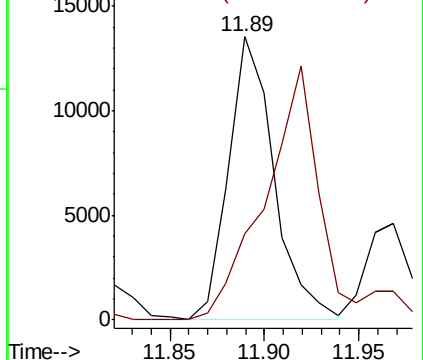
75 100

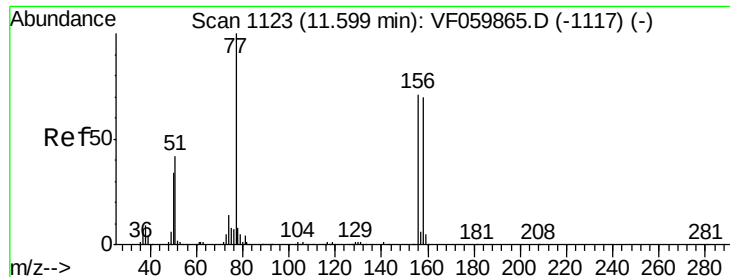
77 30.6 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.96 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

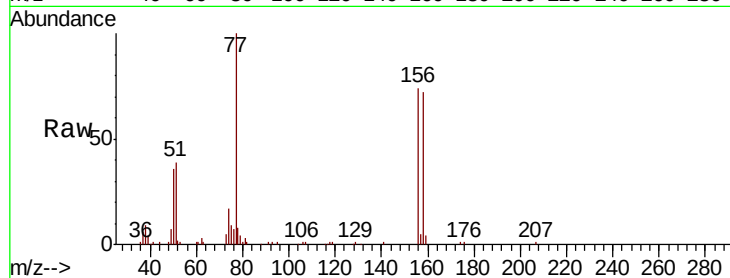
Tot Ion:156 Resp: 33828

Ion Ratio Lower Upper

156 100

77 134.5 70.2 210.6

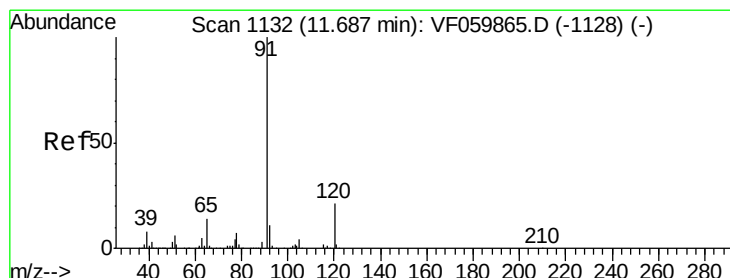
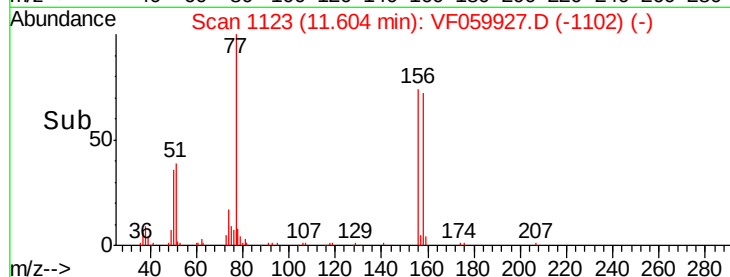
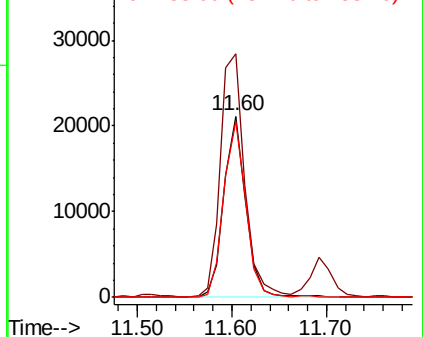
158 97.2 49.2 147.6



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: 20.61 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059927.D

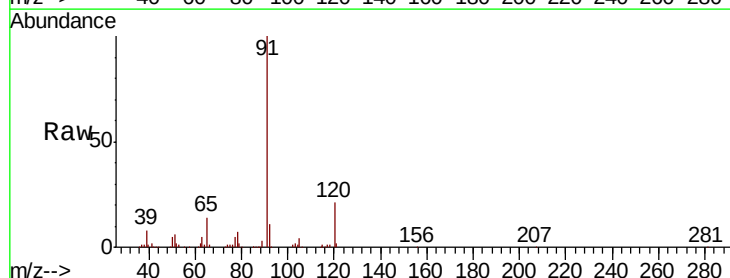
Acq: 8 Aug 2018 13:19

Tgt Ion: 91 Resp: 144469

Ion Ratio Lower Upper

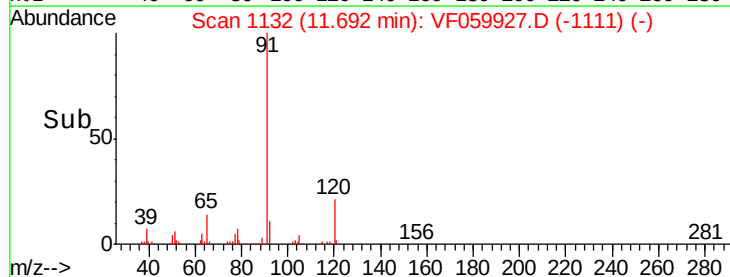
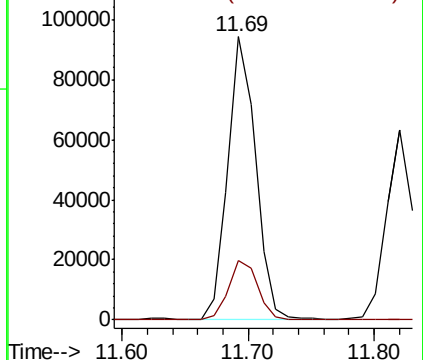
91 100

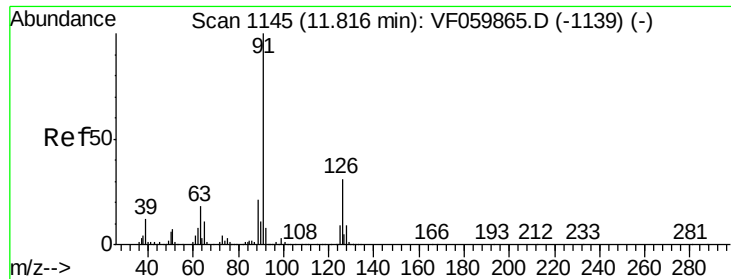
120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

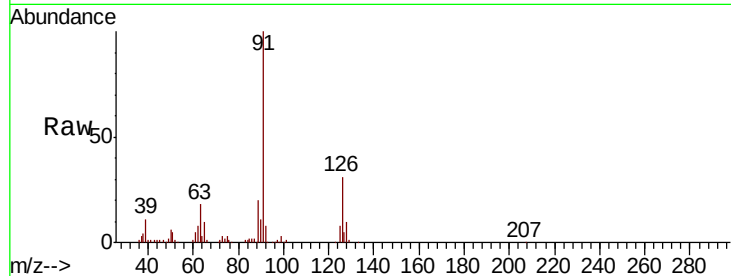
VF0808SBS01

Tot Ion: 91 Resp: 94406

Ion Ratio Lower Upper

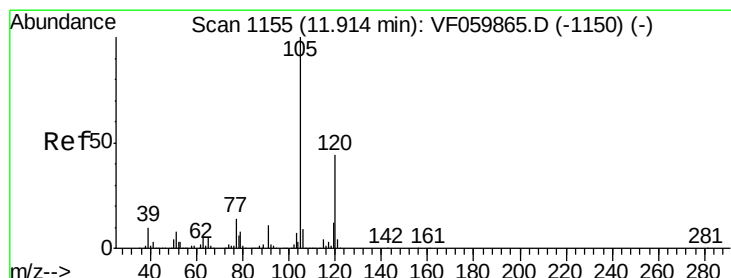
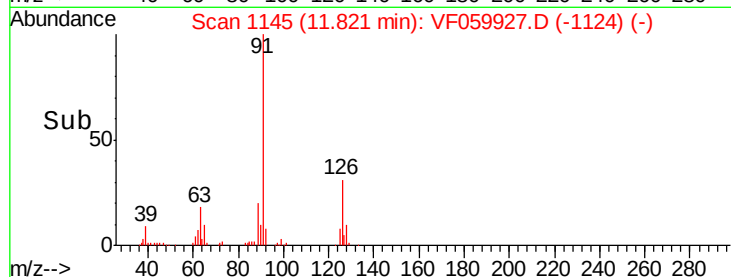
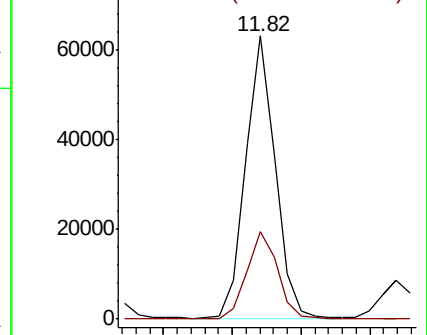
91 100

126 31.0 15.6 46.7



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: 21.62 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059927.D

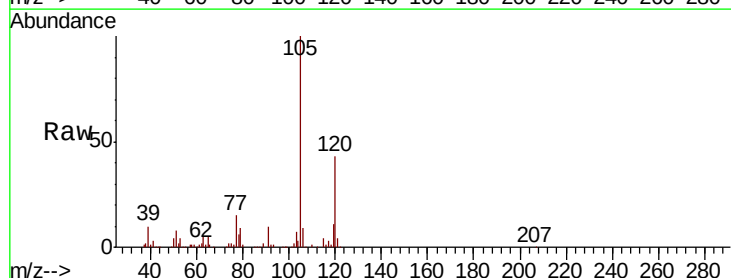
Acq: 8 Aug 2018 13:19

Tgt Ion:105 Resp: 119133

Ion Ratio Lower Upper

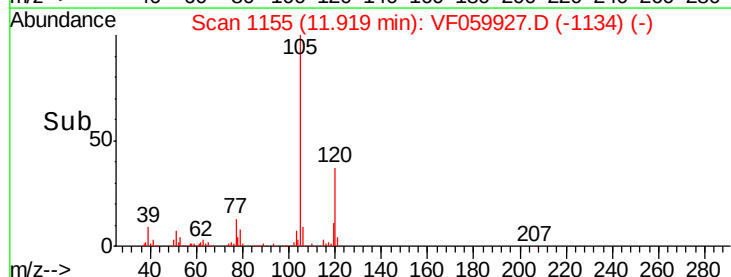
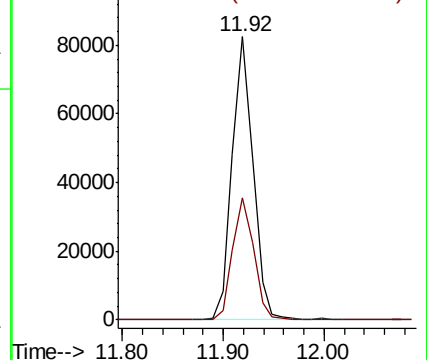
105 100

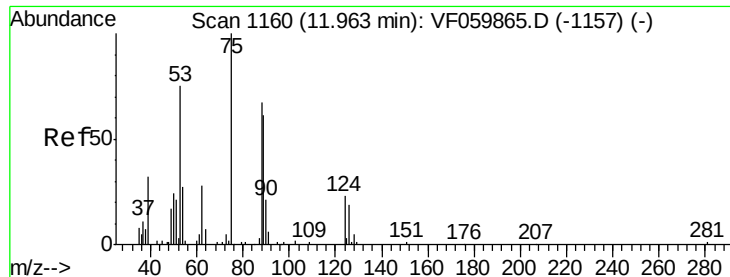
120 43.1 21.9 65.7



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: 31.42 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

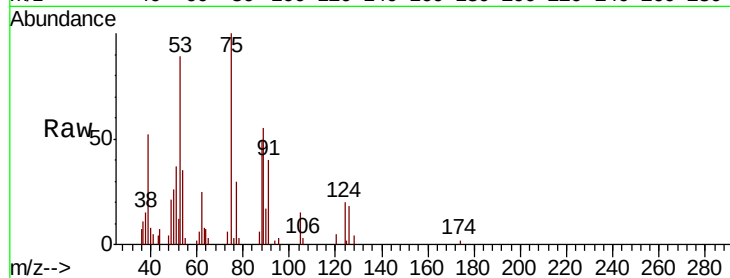
Tot Ion: 75 Resp: 10801

Ion Ratio Lower Upper

75 100

53 88.7 65.9 98.9

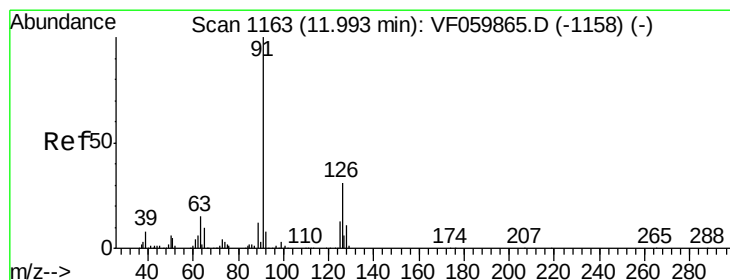
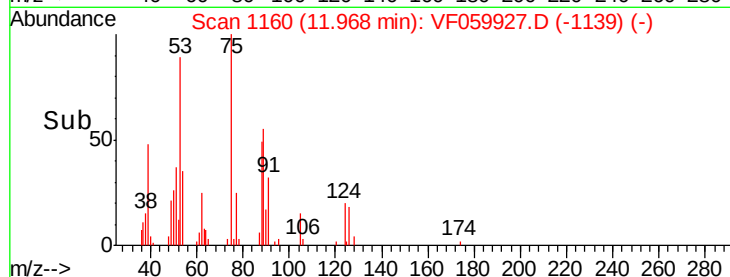
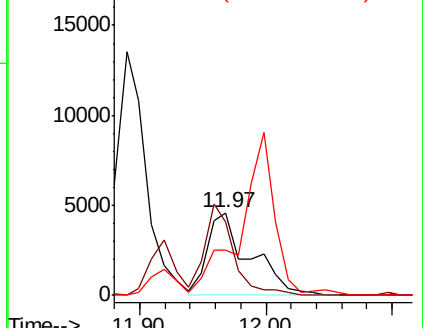
89 54.8 50.6 76.0



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: 21.21 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059927.D

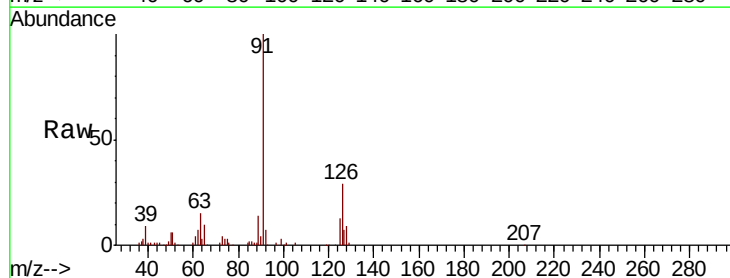
Acq: 8 Aug 2018 13:19

Tgt Ion: 91 Resp: 102122

Ion Ratio Lower Upper

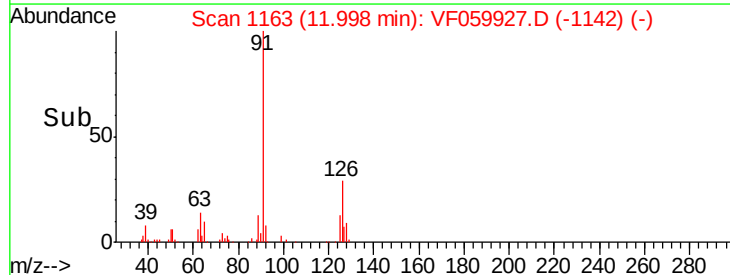
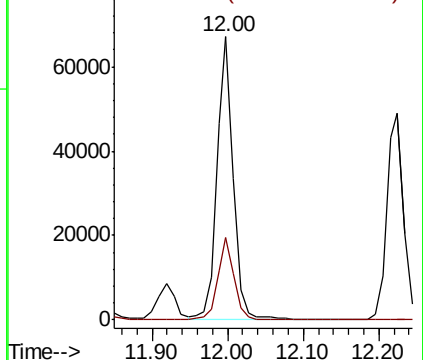
91 100

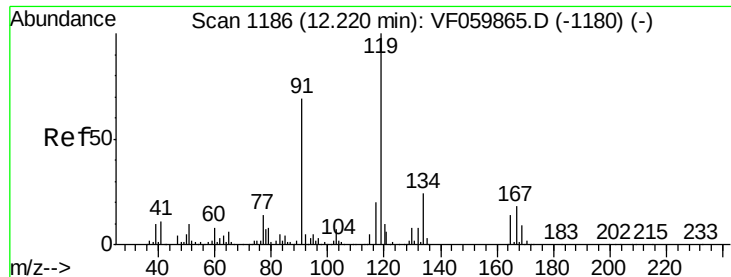
126 29.0 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

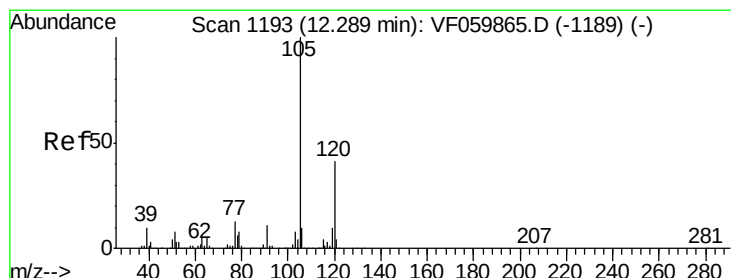
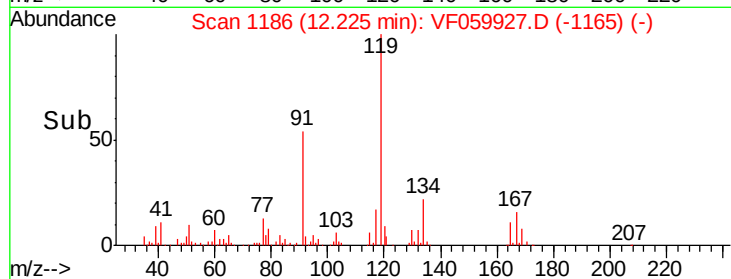
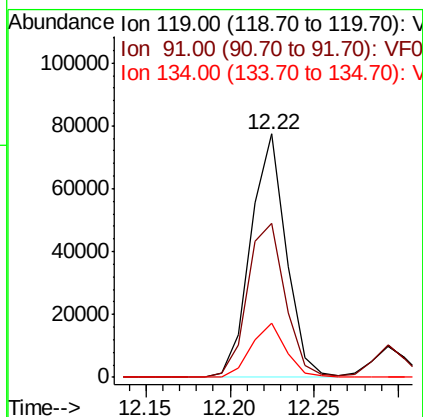
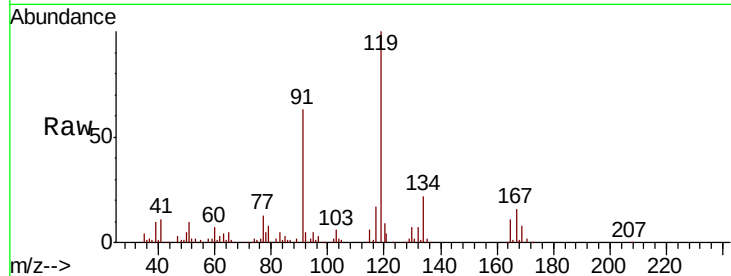




#83  
 tert-Butylbenzene  
 Concen: 21.09 ug/l  
 RT: 12.22 min Scan# 1186  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

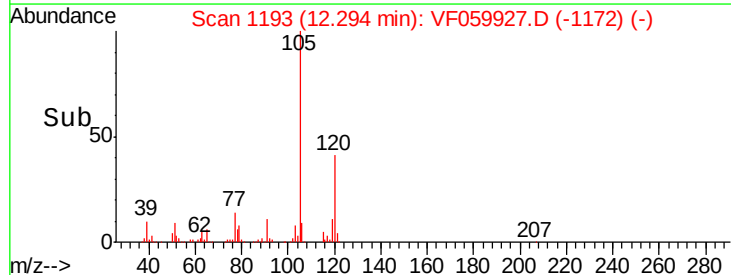
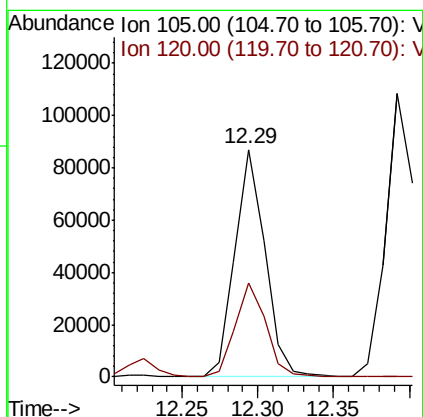
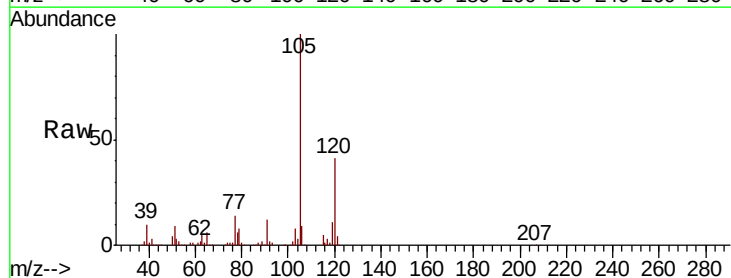
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

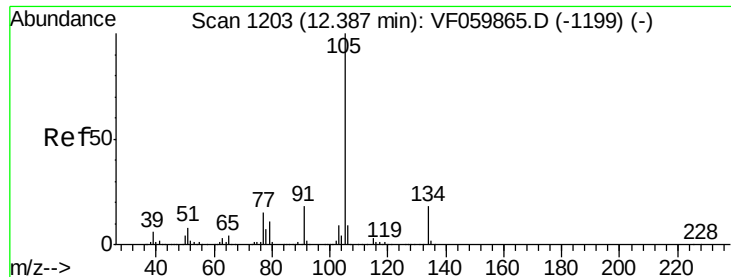
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.2  | 34.4  | 103.2 |
| 134     | 22.4  | 12.1  | 36.3  |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.48 ug/l  
 RT: 12.29 min Scan# 1193  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 41.5  | 20.8  | 62.5  |

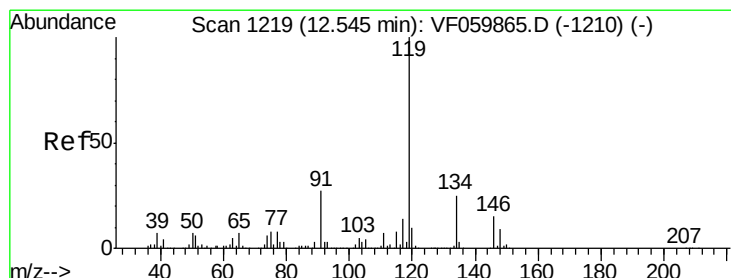
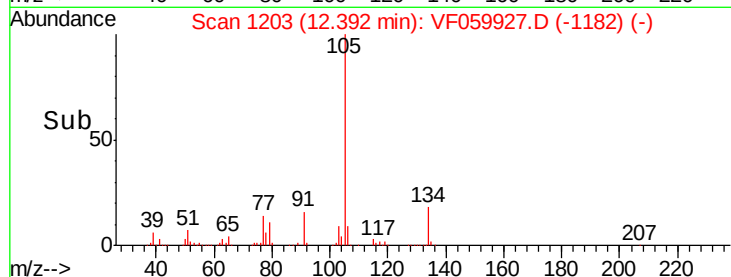
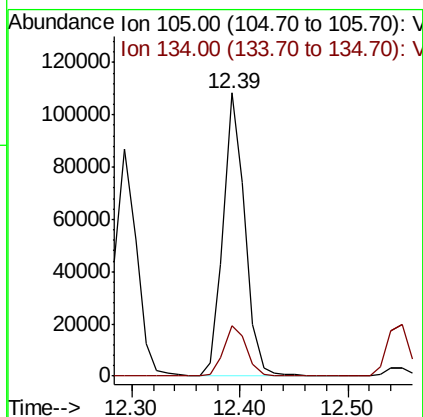
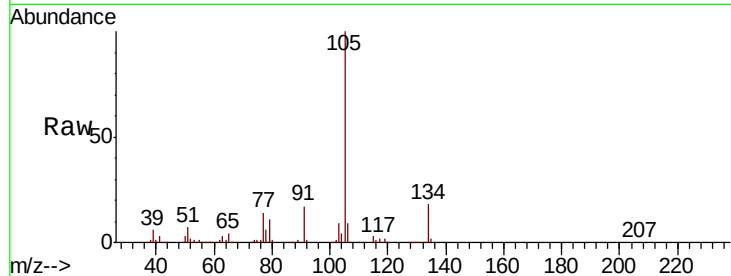




#85  
 sec-Butylbenzene  
 Concen: 21.12 ug/l  
 RT: 12.39 min Scan# 1203  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

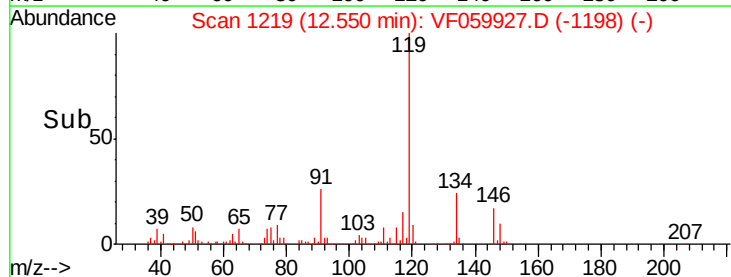
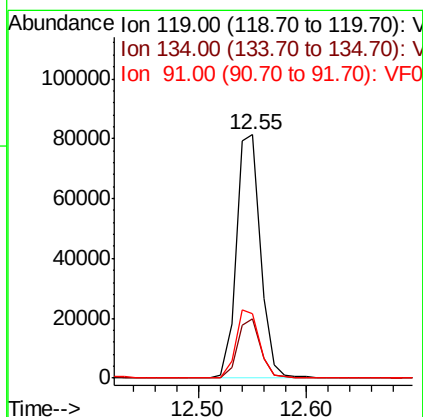
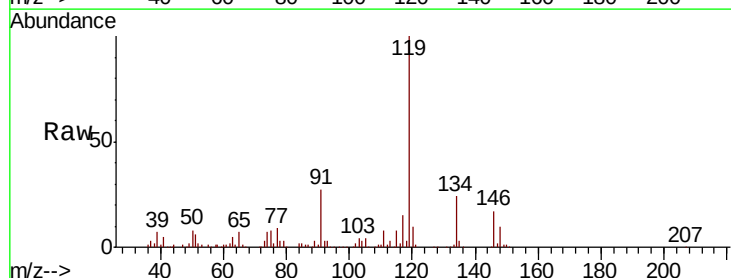
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

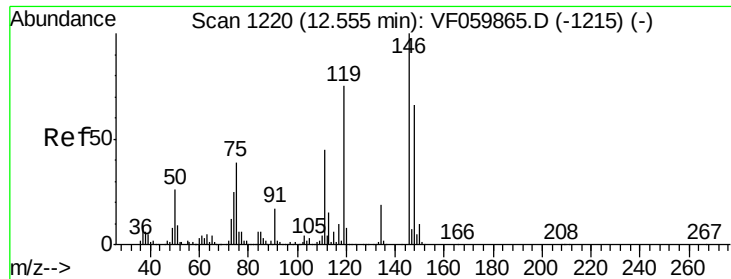
Tot Ion:105 Resp: 150582  
 Ion Ratio Lower Upper  
 105 100  
 134 17.7 9.1 27.3



#86  
 p-Isopropyltoluene  
 Concen: 21.07 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion:119 Resp: 126226  
 Ion Ratio Lower Upper  
 119 100  
 134 24.3 12.4 37.0  
 91 26.5 13.6 40.7

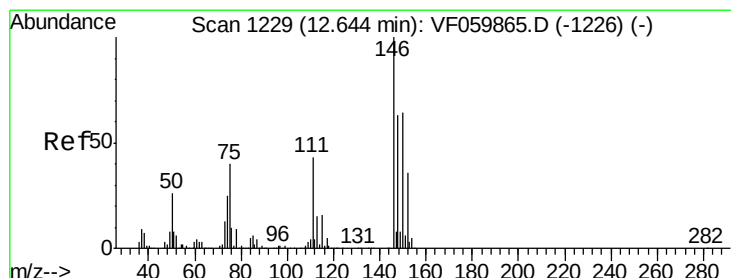
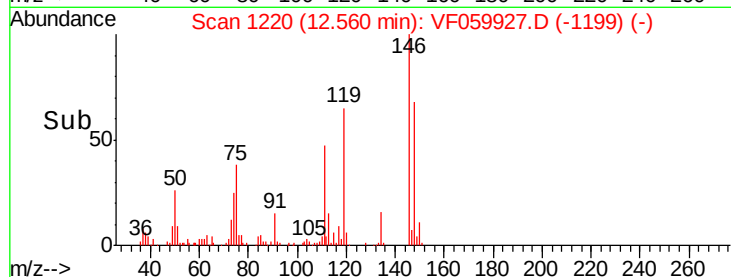
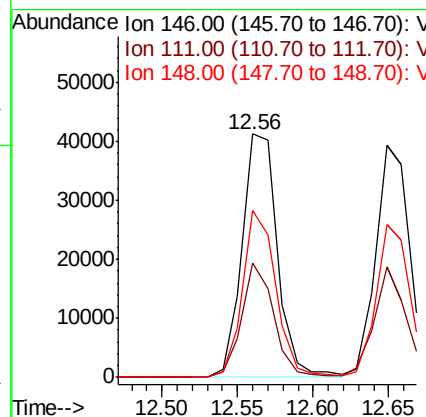
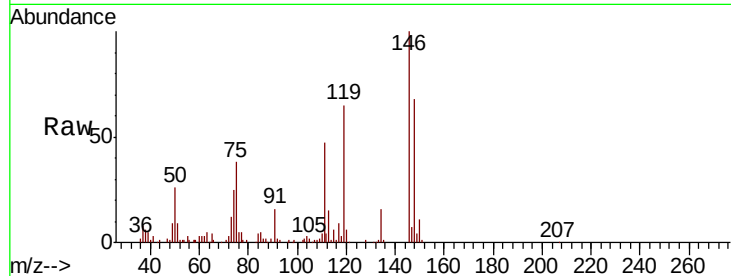




#87  
 1,3-Dichlorobenzene  
 Concen: 21.98 ug/l  
 RT: 12.56 min Scan# 1220  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

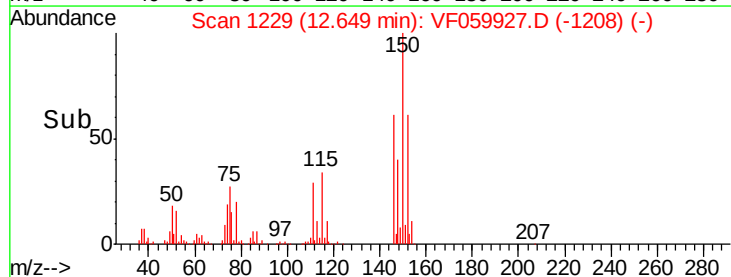
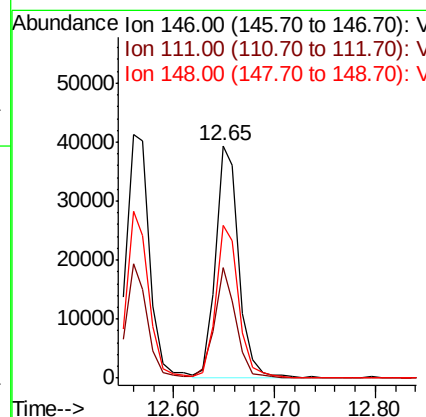
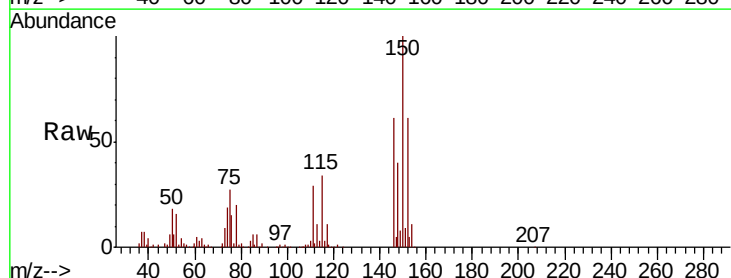
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

Tot Ion:146 Resp: 67221  
 Ion Ratio Lower Upper  
 146 100  
 111 46.7 22.4 67.0  
 148 68.3 33.1 99.3

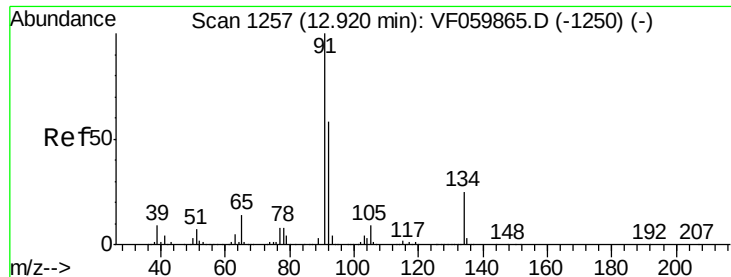


#88  
 1,4-Dichlorobenzene  
 Concen: 21.20 ug/l  
 RT: 12.65 min Scan# 1229  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion:146 Resp: 63656  
 Ion Ratio Lower Upper  
 146 100  
 111 47.7 21.4 64.2  
 148 65.9 31.6 94.7







#89

n-Butylbenzene

Concen: 22.22 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

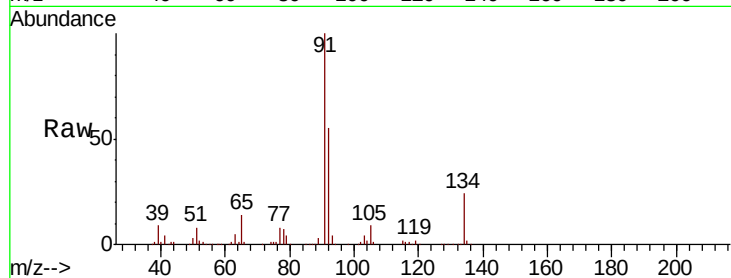
Tot Ion: 91 Resp: 126877

Ion Ratio Lower Upper

91 100

92 54.9 28.8 86.5

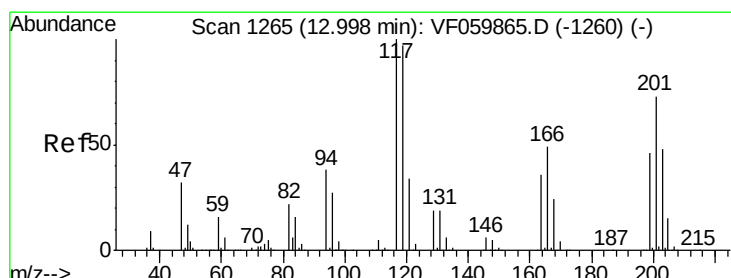
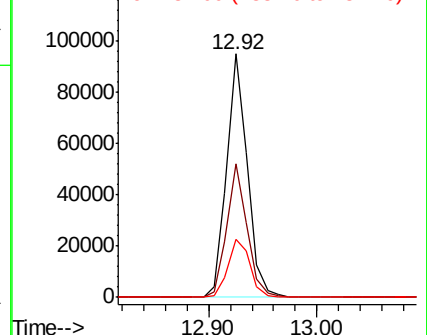
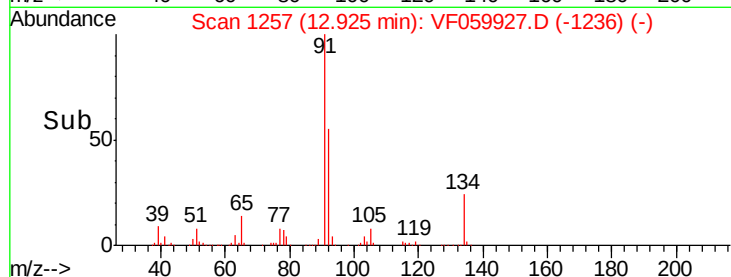
134 23.7 12.6 37.6



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: 20.89 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059927.D

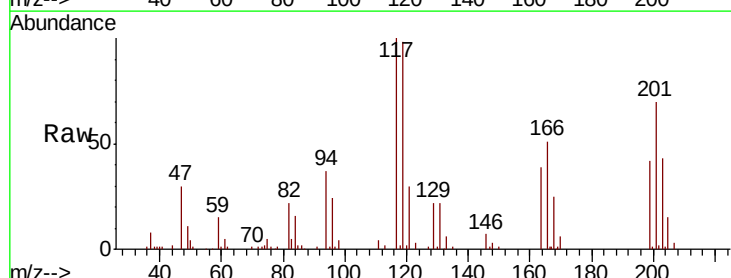
Acq: 8 Aug 2018 13:19

Tgt Ion: 117 Resp: 34538

Ion Ratio Lower Upper

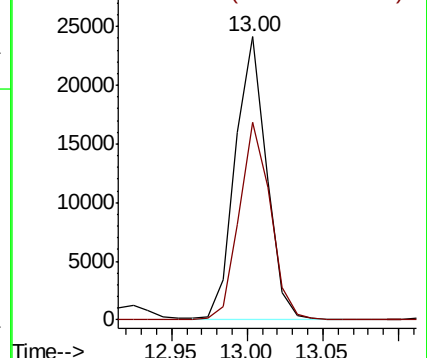
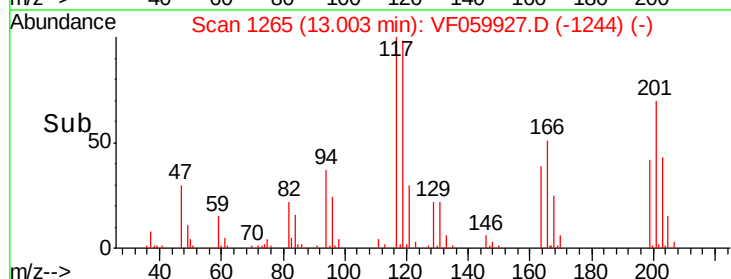
117 100

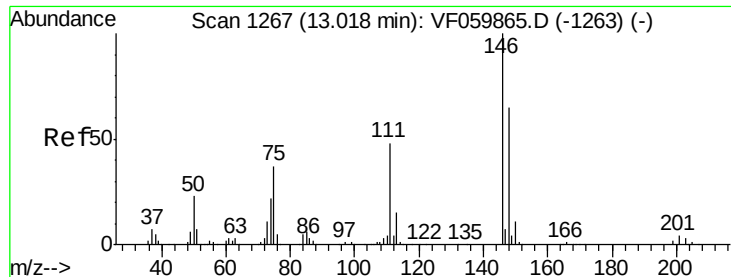
201 71.6 36.6 109.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.84 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA\_F

ClientSampleId :

VF0808SBS01

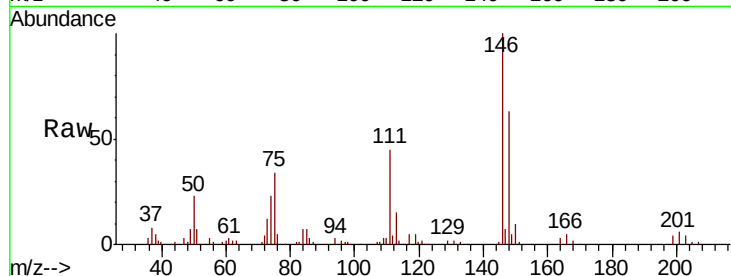
Tot Ion:146 Resp: 67224

Ion Ratio Lower Upper

146 100

111 44.8 24.1 72.2

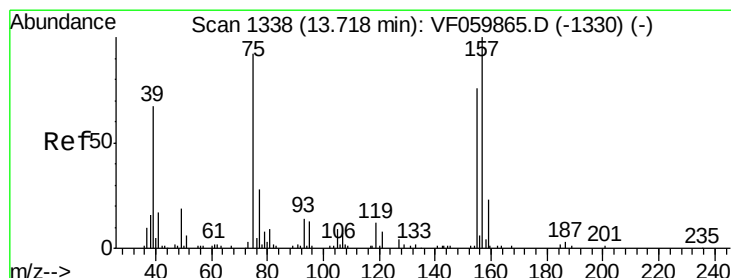
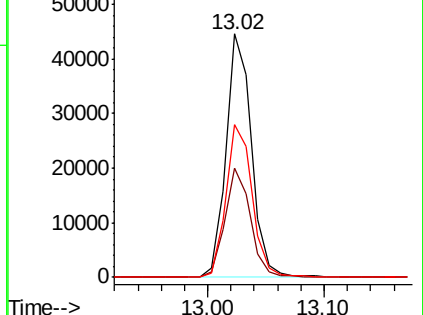
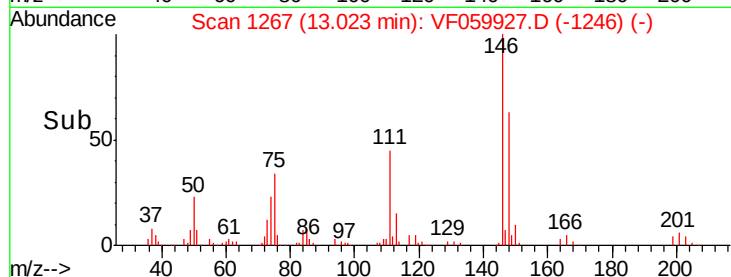
148 62.6 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.86 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. 0.02 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

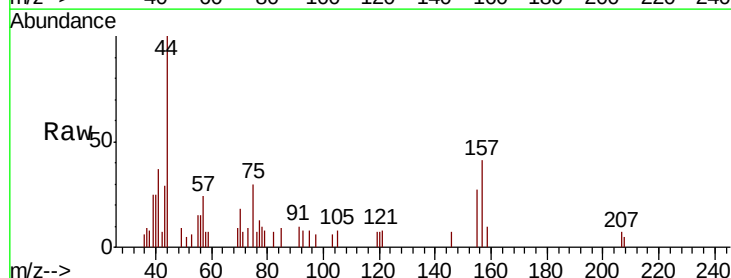
Tgt Ion: 75 Resp: 523

Ion Ratio Lower Upper

75 100

155 90.4 41.2 123.6

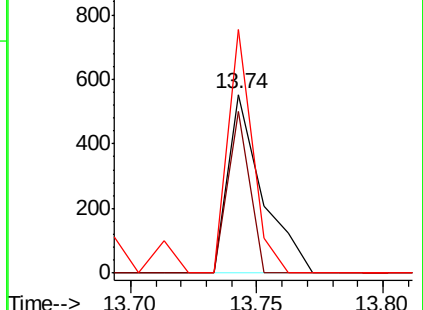
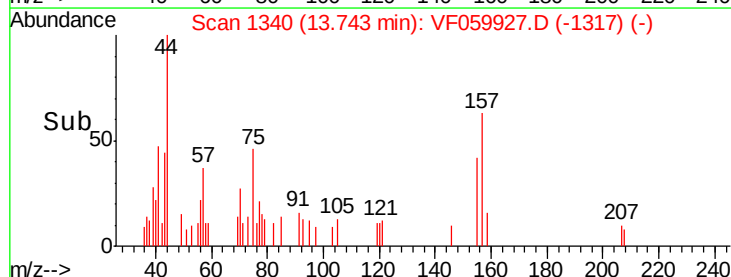
157 136.3 54.5 163.6

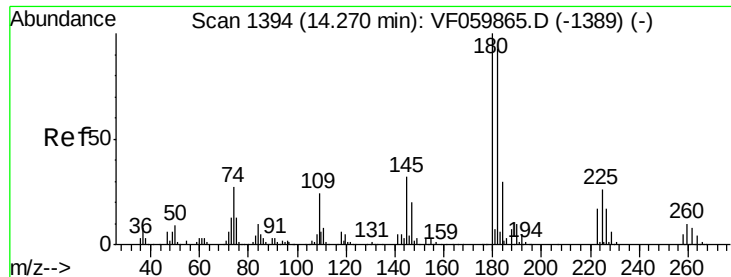


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

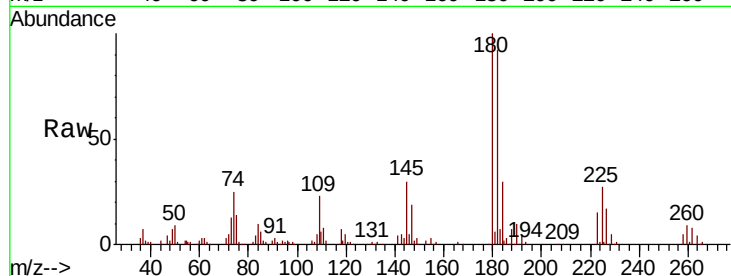




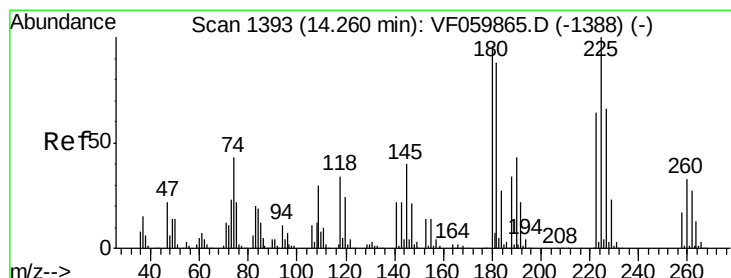
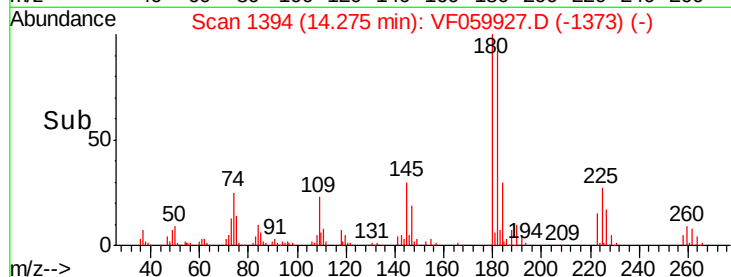
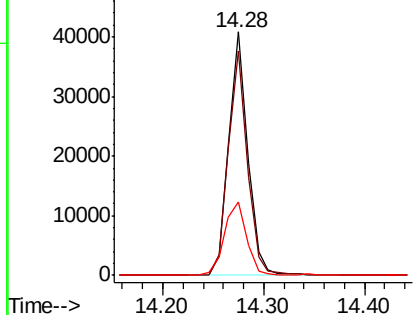
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.98 ug/l  
 RT: 14.28 min Scan# 1394  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0808SBS01

Tot Ion:180 Resp: 53574  
 Ion Ratio Lower Upper  
 180 100  
 182 92.2 46.4 139.2  
 145 30.1 15.9 47.7

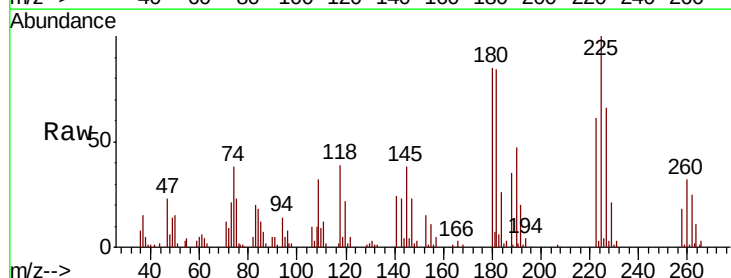


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

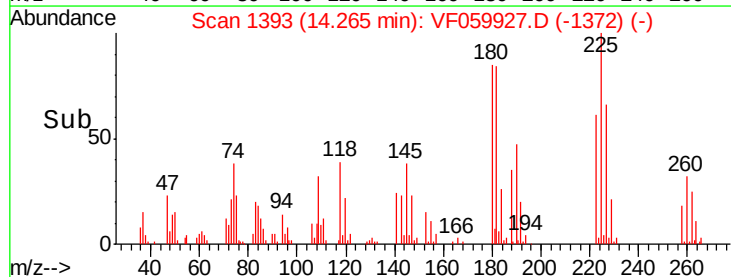
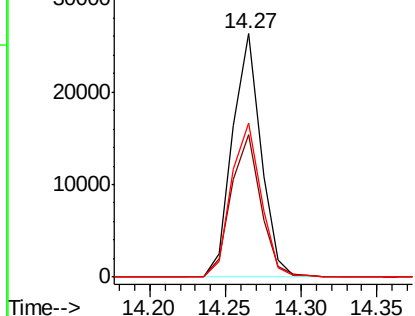


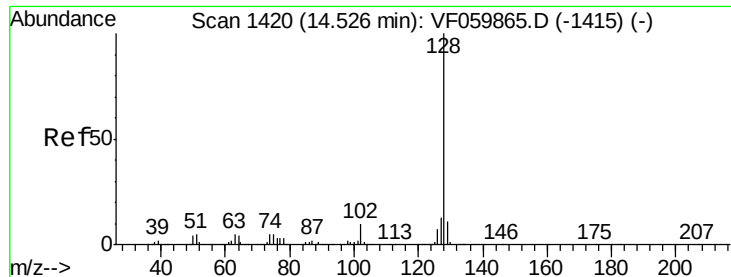
#94  
 Hexachlorobutadiene  
 Concen: 21.85 ug/l  
 RT: 14.27 min Scan# 1393  
 Delta R.T. 0.01 min  
 Lab File: VF059927.D  
 Acq: 8 Aug 2018 13:19

Tgt Ion:225 Resp: 34496  
 Ion Ratio Lower Upper  
 225 100  
 223 58.7 31.9 95.9  
 227 63.4 32.8 98.4



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

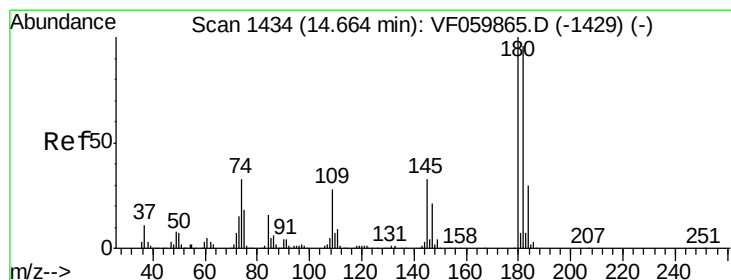
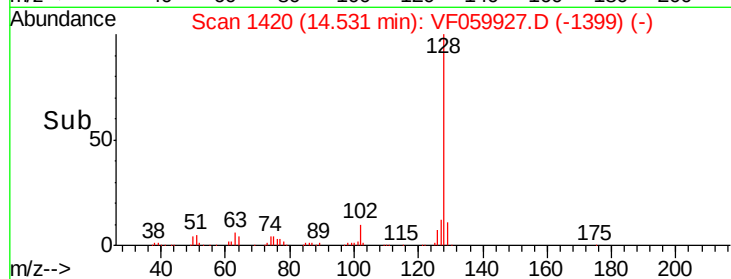
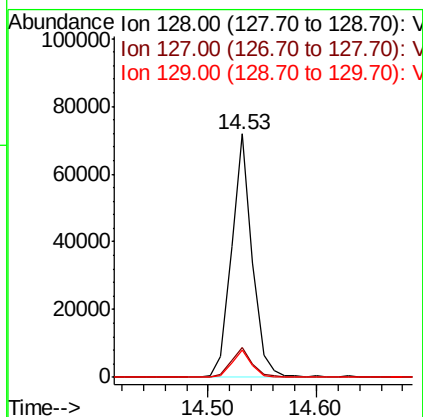
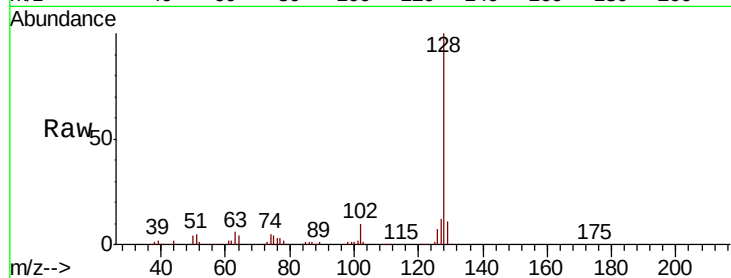




#95  
Naphthalene  
Concen: 24.69 ug/l  
RT: 14.53 min Scan# 1420  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0808SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.2  | 10.4  | 15.6  |
| 129     | 11.2  | 9.0   | 13.6  |



#96  
1,2,3-Trichlorobenzene  
Concen: 24.78 ug/l  
RT: 14.68 min Scan# 1435  
Delta R.T. 0.01 min  
Lab File: VF059927.D  
Acq: 8 Aug 2018 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.2  | 48.1  | 144.3 |
| 145     | 30.4  | 16.6  | 49.8  |

