

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\  
 Data File : VF061820.D  
 Acq On : 1 Mar 2019 23:37  
 Operator : VA/AP  
 Sample : K1341-09  
 Misc : 5.89g/5mL/MSVOA-F/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 HR-06-022719-B

Quant Time: Mar 02 02:49:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:27:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.86  | 168  | 1538     | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 5.57  | 114  | 1463     | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 9.77  | 117  | 729      | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152  | 96       | 50.00 | ug/l  | -0.02    |

|                             |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| System Monitoring Compounds |        |     |          |       |         |       |
| 33) 1,2-Dichloroethane-d4   | 4.83   | 65  | 85       | 7.54  | ug/l    | -0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 15.08%  |       |
| 35) Dibromofluoromethane    | 4.08   | 113 | 88       | 8.10  | ug/l    | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 16.20%  |       |
| 50) Toluene-d8              | 7.55   | 98  | 959      | 30.71 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 61.42%  |       |
| 62) 4-Bromofluorobenzene    | 11.41  | 95  | 711      | 56.26 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.52% |       |

| Target Compounds             |      |     |      |         |        | Qvalue |
|------------------------------|------|-----|------|---------|--------|--------|
| 3) Chloromethane             | 1.11 | 50  | 93   | 5.018   | ug/l # | 42     |
| 4) Vinyl Chloride            | 1.14 | 62  | 75   | 4.353   | ug/l # | 40     |
| 5) Bromomethane              | 1.30 | 94  | 323  | 27.242  | ug/l # | 3      |
| 6) Chloroethane              | 1.42 | 64  | 81   | 9.541   | ug/l # | 28     |
| 8) Diethyl Ether             | 1.55 | 74  | 67   | 12.795  | ug/l   | 90     |
| 10) Methyl Iodide            | 1.86 | 142 | 86   | 3.003   | ug/l # | 39     |
| 11) Tert butyl alcohol       | 2.68 | 59  | 82   | 125.628 | ug/l # | 1      |
| 12) 1,1-Dichloroethene       | 1.79 | 96  | 63   | 4.780   | ug/l # | 1      |
| 13) Acrolein                 | 2.03 | 56  | 244  | 297.432 | ug/l   | 100    |
| 14) Allyl chloride           | 2.06 | 41  | 221  | 13.665  | ug/l # | 56     |
| 15) Acrylonitrile            | 2.95 | 53  | 152  | 65.652  | ug/l # | 1      |
| 16) Acetone                  | 2.25 | 43  | 625  | 258.282 | ug/l   | 90     |
| 17) Carbon Disulfide         | 1.90 | 76  | 68   | 1.641   | ug/l # | 1      |
| 18) Methyl Acetate           | 2.35 | 43  | 1702 | 312.219 | ug/l   | 92     |
| 19) Methyl tert-butyl Ether  | 2.43 | 73  | 105  | 4.662   | ug/l # | 1      |
| 20) Methylene Chloride       | 2.19 | 84  | 70   | 3.031   | ug/l # | 1      |
| 21) trans-1,2-Dichloroethene | 2.28 | 96  | 180  | 12.564  | ug/l # | 1      |
| 22) Diisopropyl ether        | 2.80 | 45  | 318  | 8.192   | ug/l # | 1      |
| 23) Vinyl Acetate            | 3.18 | 43  | 1037 | 54.691  | ug/l # | 74     |
| 24) 1,1-Dichloroethane       | 2.87 | 63  | 60   | 2.554   | ug/l # | 86     |
| 25) 2-Butanone               | 4.32 | 43  | 84   | 15.892  | ug/l # | 55     |
| 26) 2,2-Dichloropropane      | 3.49 | 77  | 80   | 8.039   | ug/l # | 52     |
| 27) cis-1,2-Dichloroethene   | 3.45 | 96  | 172  | 9.147   | ug/l   | 1      |
| 29) Tetrahydrofuran          | 4.04 | 42  | 113  | 47.037  | ug/l # | 33     |
| 30) Chloroform               | 3.86 | 83  | 73   | 2.732   | ug/l # | 18     |
| 31) Cyclohexane              | 3.68 | 56  | 63   | 2.477   | ug/l # | 16     |
| 36) 1,1-Dichloropropene      | 4.29 | 75  | 74   | 5.106   | ug/l # | 37     |
| 37) Ethyl Acetate            | 4.10 | 43  | 71   | 10.547  | ug/l # | 30     |
| 40) Benzene                  | 4.51 | 78  | 77   | 2.031   | ug/l # | 52     |
| 41) Methacrylonitrile        | 4.72 | 41  | 60   | 17.429  | ug/l # | 25     |
| 43) Isopropyl Acetate        | 6.94 | 43  | 73   | 9.162   | ug/l # | 43     |
| 45) 1,2-Dichloropropane      | 6.05 | 63  | 71   | 7.748   | ug/l # | 44     |
| 48) Methyl methacrylate      | 6.72 | 41  | 92   | 19.186  | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone     | 8.20 | 43  | 166  | 29.156  | ug/l # | 34     |

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 Response via : Initial Calibration

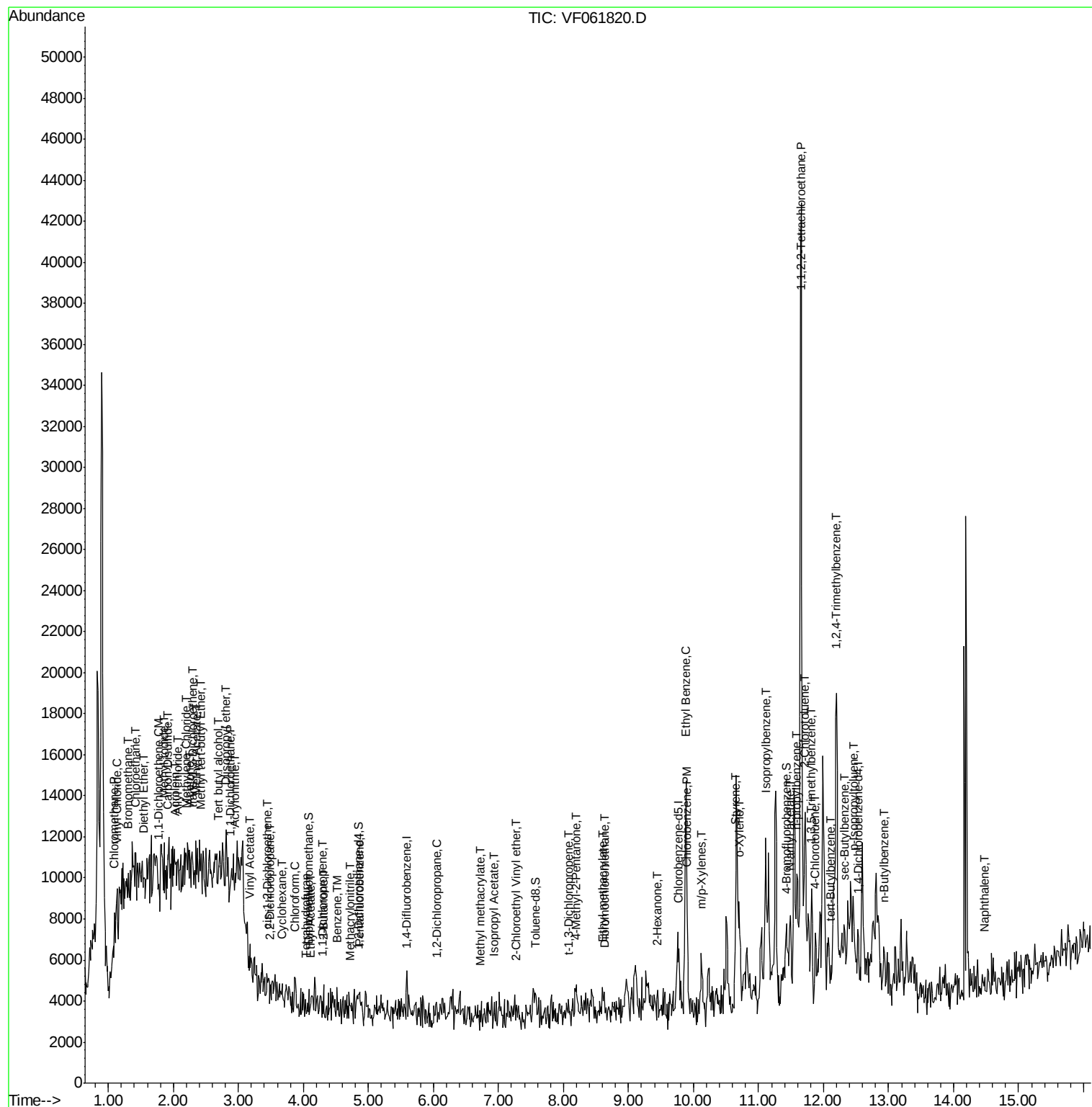
| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 53) t-1,3-Dichloropropene     | 8.07  | 75   | 73       | 7.099   | ug/l # | 42       |
| 56) Ethyl methacrylate        | 8.59  | 69   | 62       | 8.244   | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether | 7.28  | 63   | 60       | 46.240  | ug/l # | 44       |
| 59) 2-Hexanone                | 9.44  | 43   | 77       | 19.294  | ug/l # | 23       |
| 60) Dibromochloromethane      | 8.62  | 129  | 62       | 6.594   | ug/l # | 12       |
| 65) Chlorobenzene             | 9.91  | 112  | 67       | 4.529   | ug/l # | 42       |
| 67) Ethyl Benzene             | 9.89  | 91   | 1014     | 41.218  | ug/l # | 86       |
| 68) m/p-Xylenes               | 10.13 | 106  | 976      | 103.664 | ug/l   | 83       |
| 69) o-Xylene                  | 10.70 | 106  | 923      | 91.874  | ug/l   | 95       |
| 70) Styrene                   | 10.64 | 104  | 66       | 4.644   | ug/l # | 32       |
| 73) Isopropylbenzene          | 11.12 | 105  | 966      | 141.331 | ug/l   | 95       |
| 74) N-amyl acetate            | 11.48 | 43   | 658      | 401.080 | ug/l # | 10       |
| 75) 1,1,2,2-Tetrachloroethane | 11.66 | 83   | 723      | 590.436 | ug/l # | 1        |
| 78) n-propylbenzene           | 11.59 | 91   | 1968     | 250.912 | ug/l   | 87       |
| 79) 2-Chlorotoluene           | 11.71 | 91   | 680      | 154.803 | ug/l # | 36       |
| 80) 1,3,5-Trimethylbenzene    | 11.81 | 105  | 1728     | 316.321 | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.86 | 91   | 154      | 33.777  | ug/l # | 37       |
| 83) tert-Butylbenzene         | 12.12 | 119  | 170      | 28.096  | ug/l # | 65       |
| 84) 1,2,4-Trimethylbenzene    | 12.20 | 105  | 1031     | 189.968 | ug/l   | 93       |
| 85) sec-Butylbenzene          | 12.31 | 105  | 1342     | 171.514 | ug/l # | 69       |
| 86) p-Isopropyltoluene        | 12.46 | 119  | 624      | 95.026  | ug/l   | 85       |
| 89) n-Butylbenzene            | 12.92 | 91   | 76       | 12.257  | ug/l # | 28       |
| 95) Naphthalene               | 14.47 | 128  | 68       | 17.318  | ug/l # | 69       |

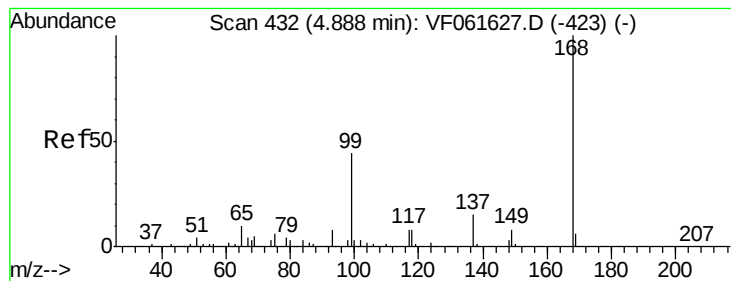
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

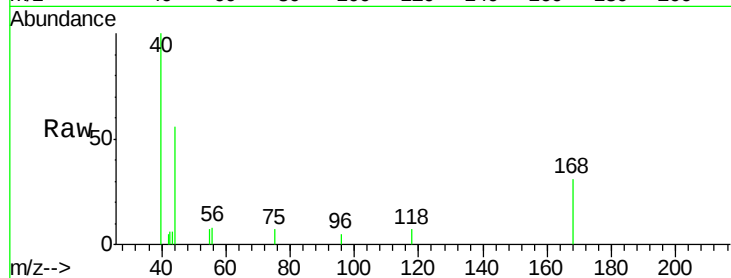
HR-06-022719-B

Tot Ion:168 Resp: 1538

Ion Ratio Lower Upper

168 100

99 0.0 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

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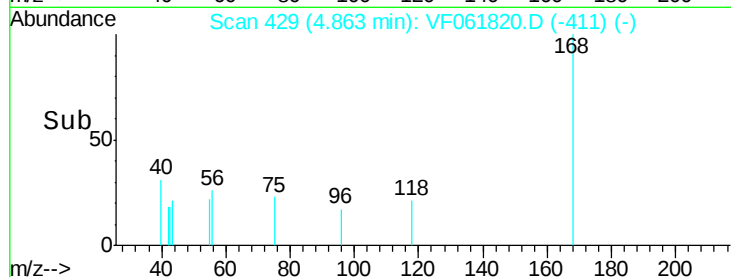
4.86

4.86

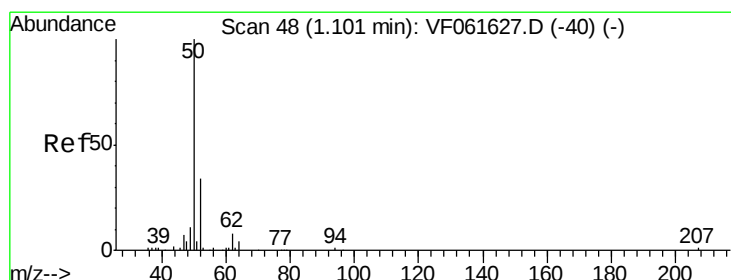
4.86

4.86

4.86



Time-->



#3

Chloromethane

Concen: 5.018 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061820.D

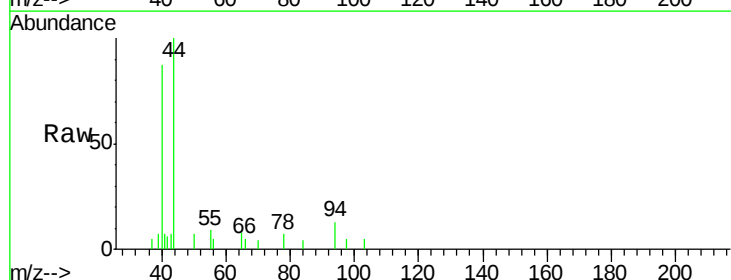
Acq: 1 Mar 2019 23:37

Tgt Ion: 50 Resp: 93

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

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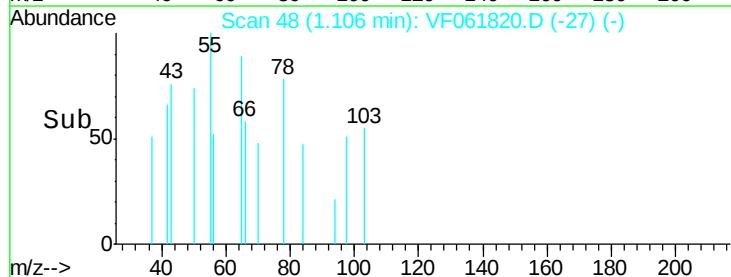
1.11

1.11

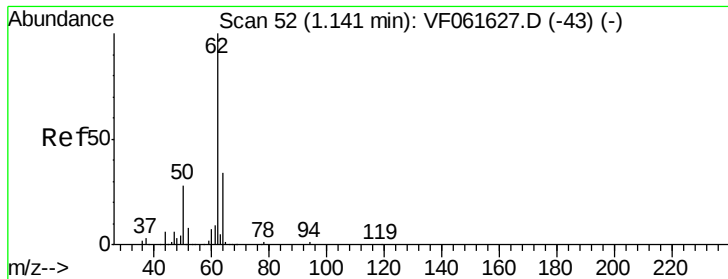
1.11

1.11

1.11



Time-->



#4

Vinyl Chloride

Concen: 4.353 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

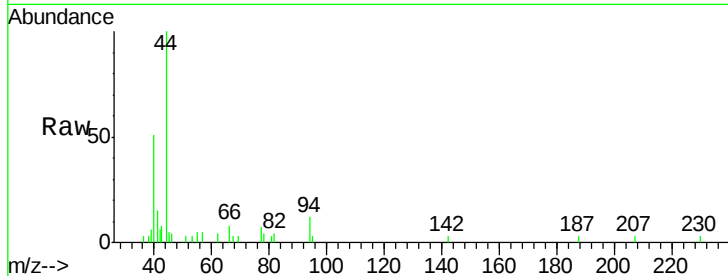
HR-06-022719-B

Tot Ion: 62 Resp: 75

Ion Ratio Lower Upper

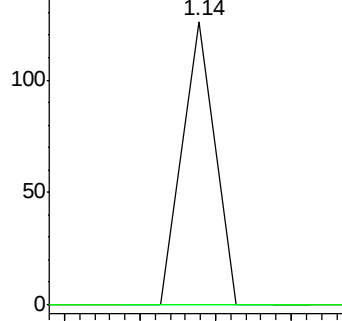
62 100

64 0.0 27.5 41.3#

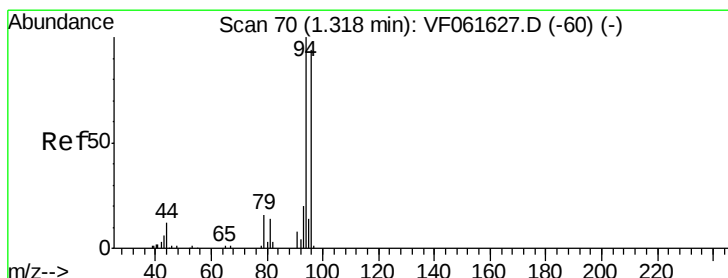
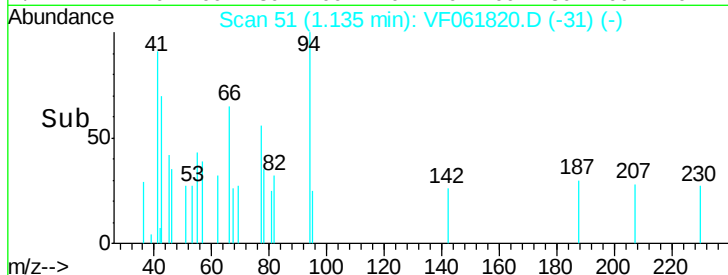


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time-->



#5

Bromomethane

Concen: 27.242 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VF061820.D

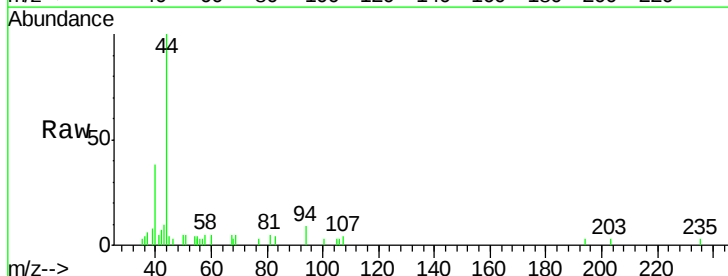
Acq: 1 Mar 2019 23:37

Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

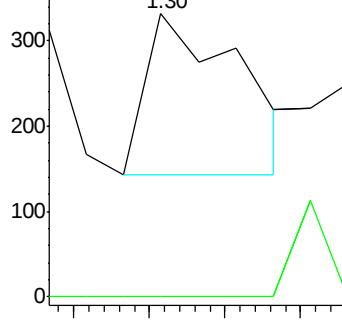
94 100

96 0.0 74.6 112.0#

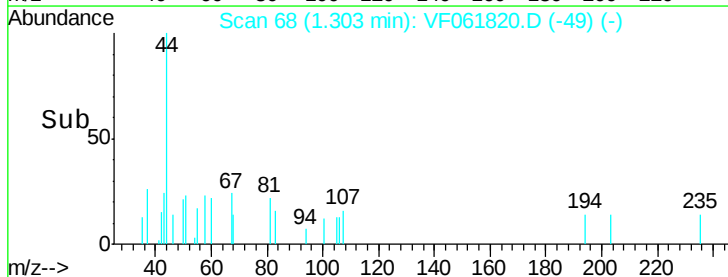


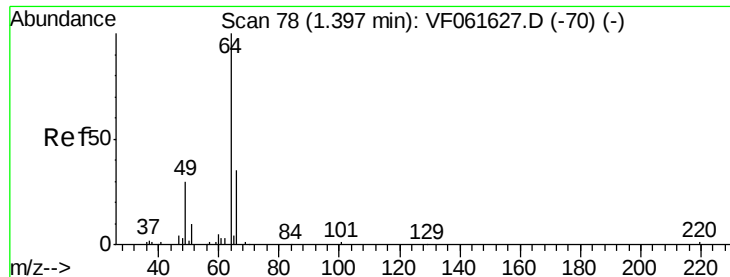
Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time-->





#6

Chloroethane

Concen: 9.541 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.02 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

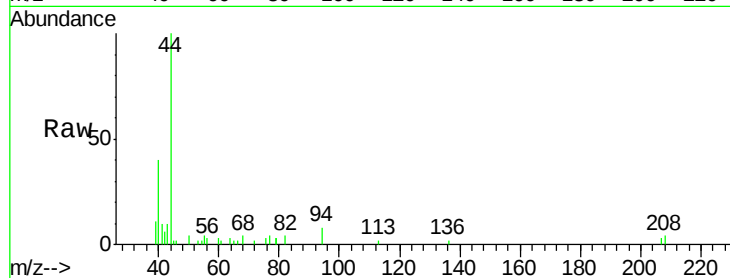
HR-06-022719-B

Tot Ion: 64 Resp: 81

Ion Ratio Lower Upper

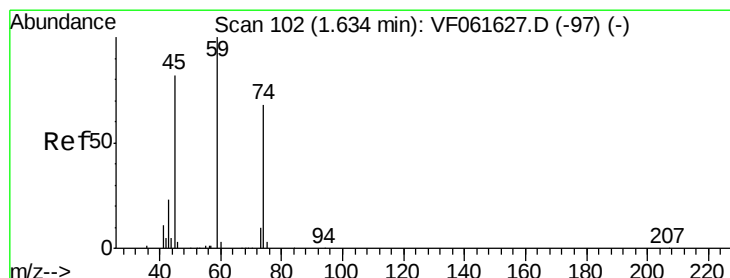
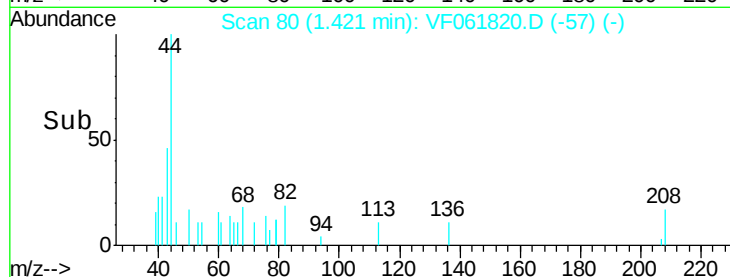
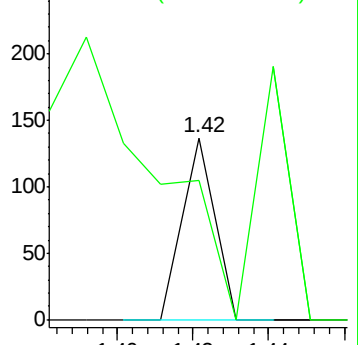
64 100

66 76.6 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 12.795 ug/l

RT: 1.55 min Scan# 93

Delta R.T. -0.08 min

Lab File: VF061820.D

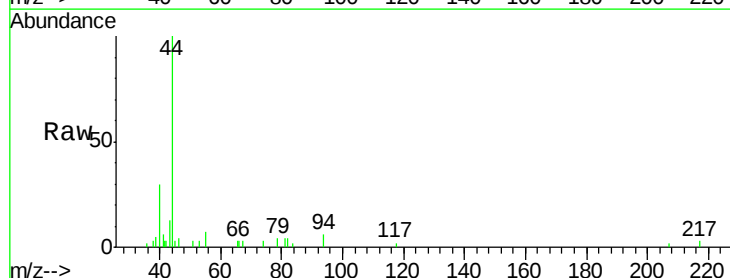
Acq: 1 Mar 2019 23:37

Tgt Ion: 74 Resp: 67

Ion Ratio Lower Upper

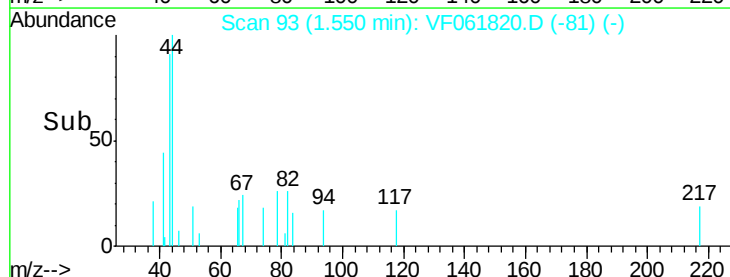
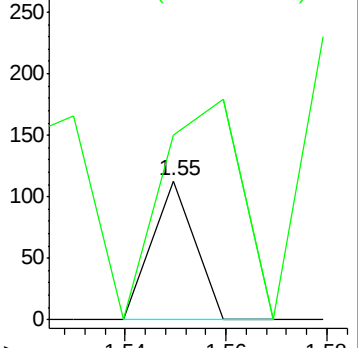
74 100

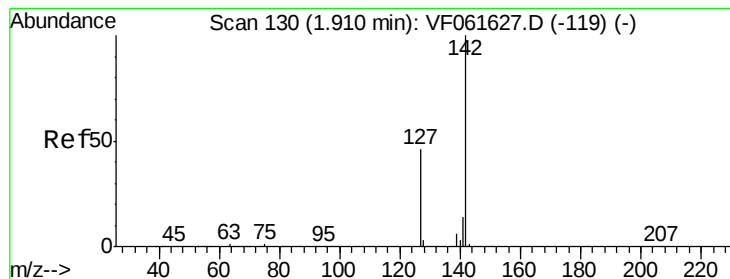
45 132.7 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#10

Methyl Iodide

Concen: 3.003 ug/l

RT: 1.86 min Scan# 124

Delta R.T. -0.05 min

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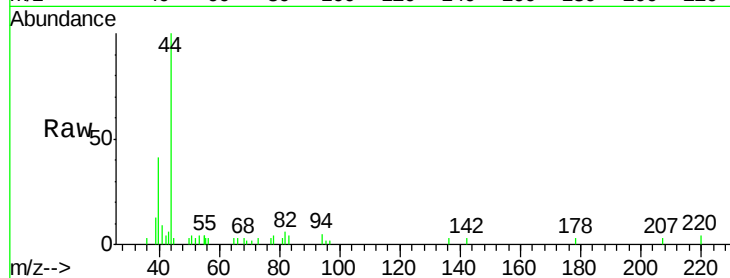
Tot Ion:142 Resp: 86

Ion Ratio Lower Upper

142 100

127 0.0 36.6 55.0#

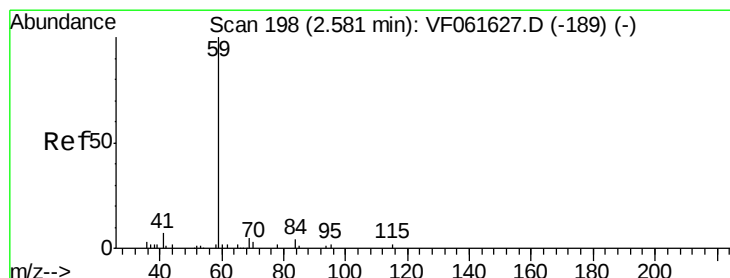
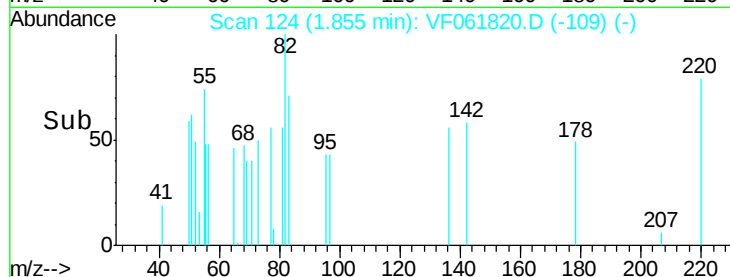
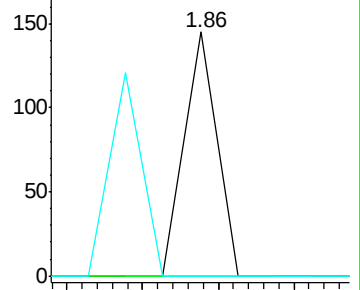
141 0.0 11.0 16.6#



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: 125.628 ug/l

RT: 2.68 min Scan# 208

Delta R.T. 0.10 min

Lab File: VF061820.D

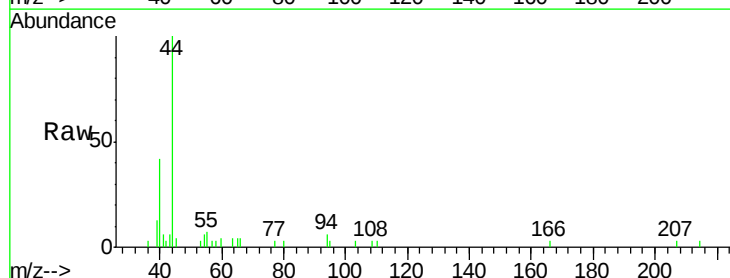
Acq: 1 Mar 2019 23:37

Tgt Ion: 59 Resp: 82

Ion Ratio Lower Upper

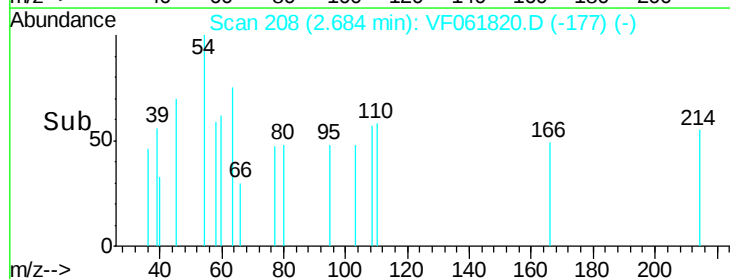
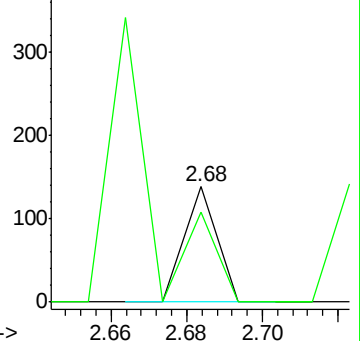
59 100

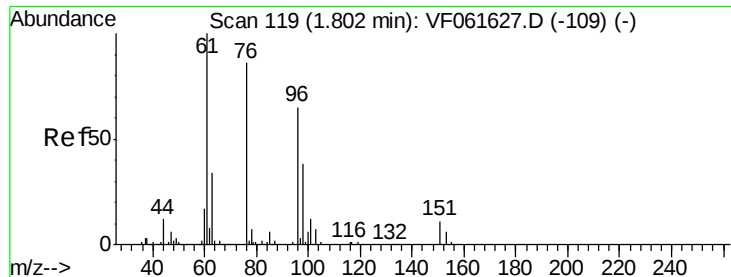
57 77.5 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 4.780 ug/l

RT: 1.79 min Scan# 117

Delta R.T. -0.02 min

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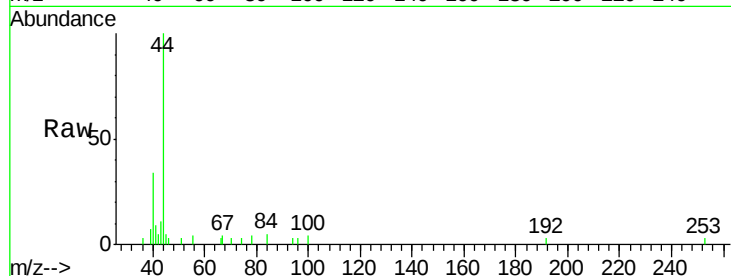
Tot Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

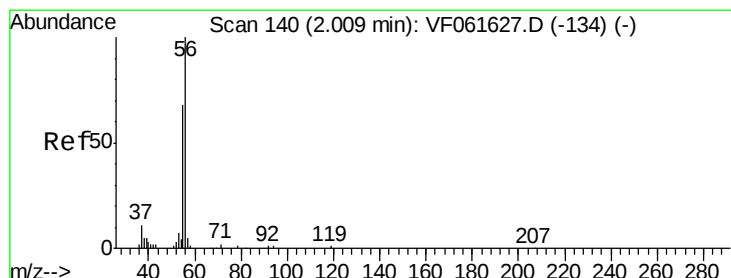
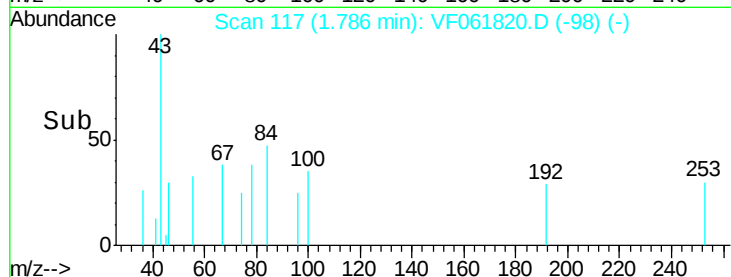
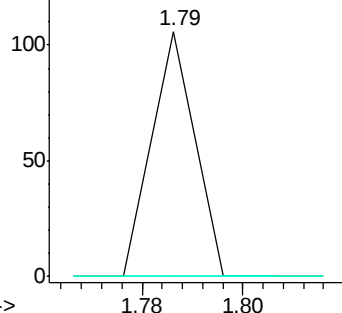
98 0.0 47.2 70.8#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 297.432 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF061820.D

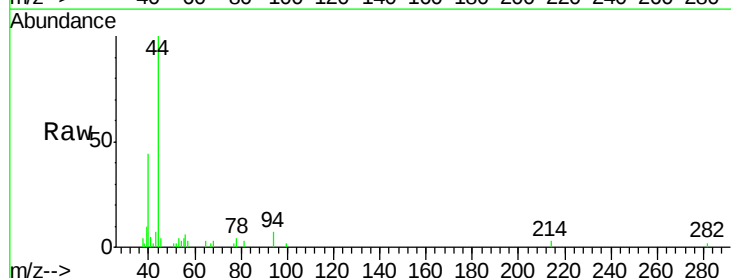
Acq: 1 Mar 2019 23:37

Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

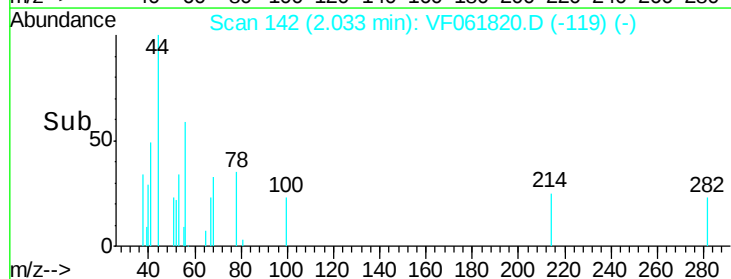
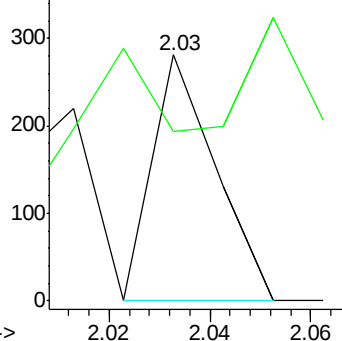
56 100

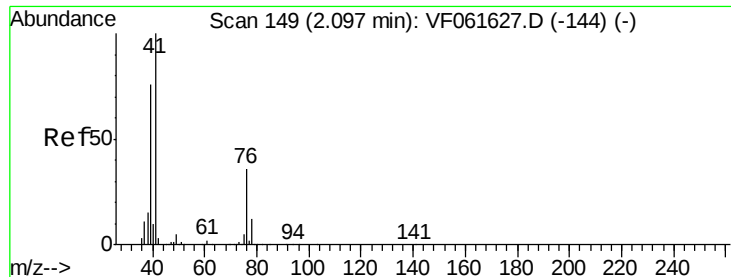
55 69.0 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 13.665 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

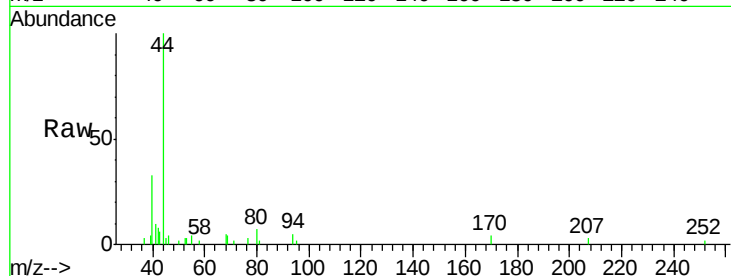
Tot Ion: 41 Resp: 221

Ion Ratio Lower Upper

41 100

39 47.0 61.6 92.4#

76 0.0 30.3 45.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.06

400

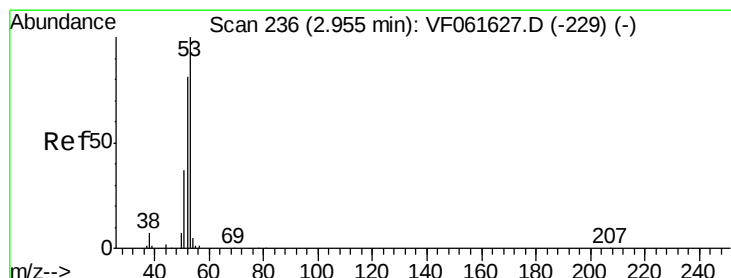
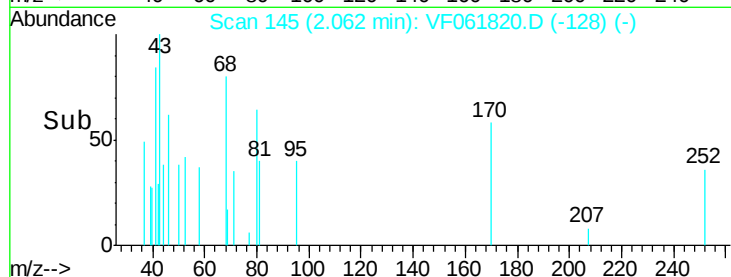
300

200

100

0

Time--> 2.04 2.06 2.08



#15

Acrylonitrile

Concen: 65.652 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

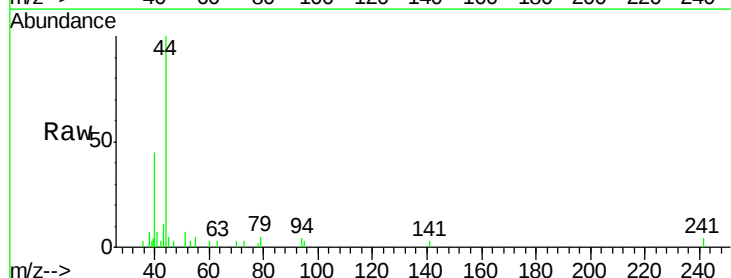
Tgt Ion: 53 Resp: 152

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 216.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

2.95

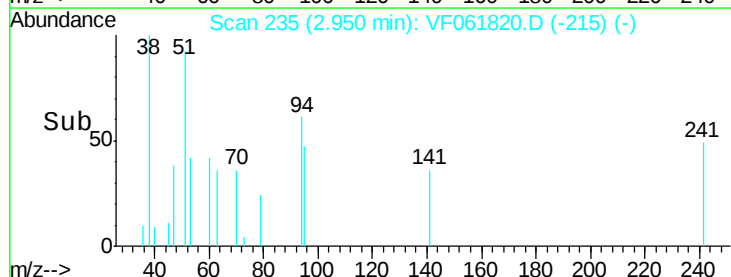
300

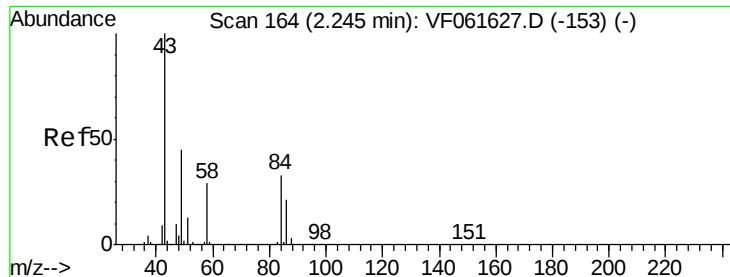
200

100

0

Time--> 2.92 2.94 2.96 2.98 3.00





#16

Acetone

Concen: 258.282 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

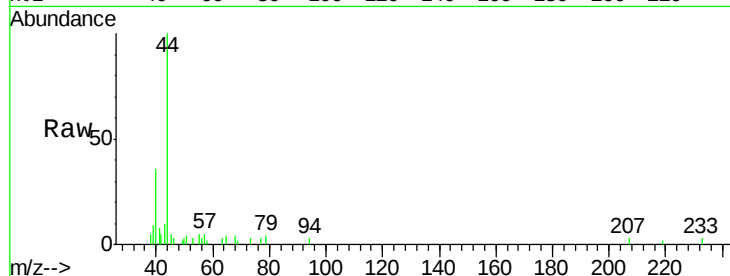
HR-06-022719-B

Tot Ion: 43 Resp: 625

Ion Ratio Lower Upper

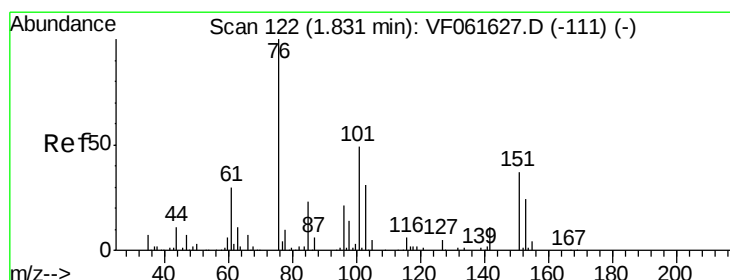
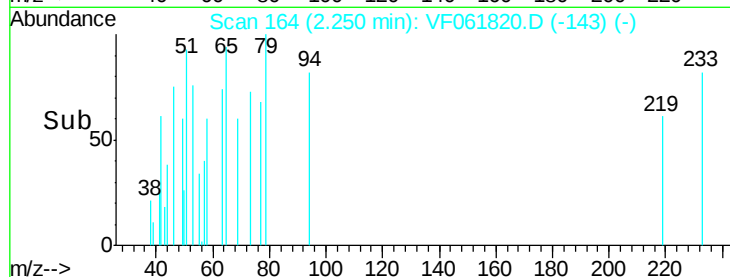
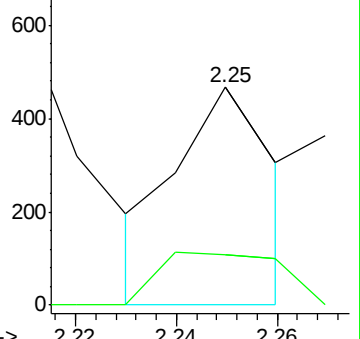
43 100

58 23.1 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 1.641 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.07 min

Lab File: VF061820.D

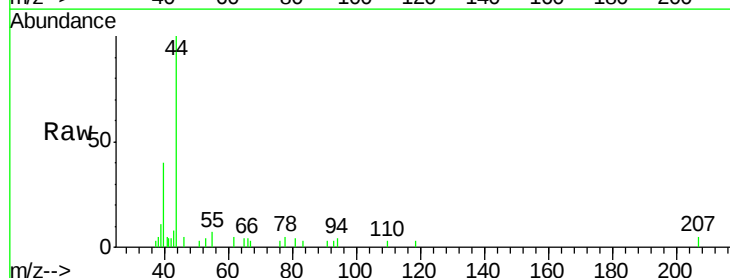
Acq: 1 Mar 2019 23:37

Tgt Ion: 76 Resp: 68

Ion Ratio Lower Upper

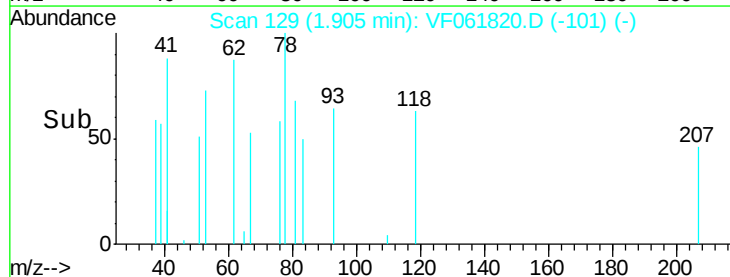
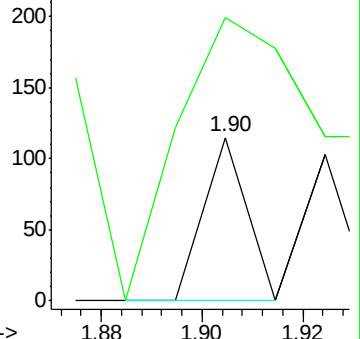
76 100

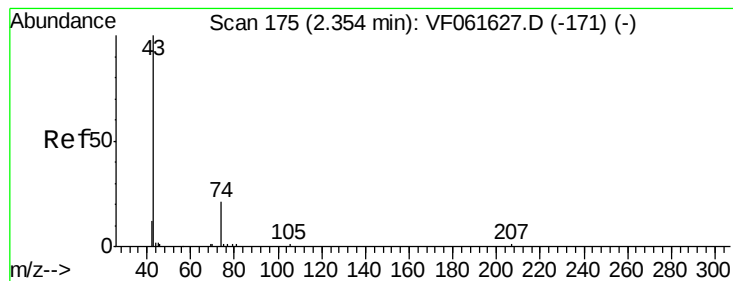
78 173.0 7.9 11.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#18

Methyl Acetate

Concen: 312.219 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

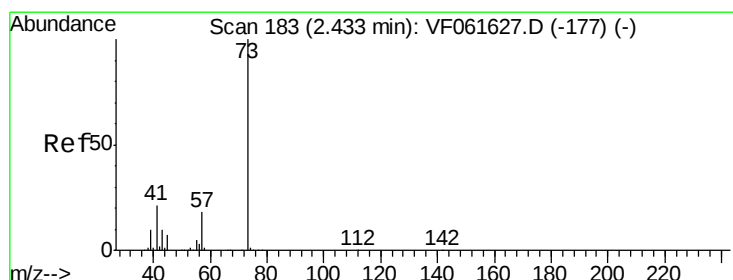
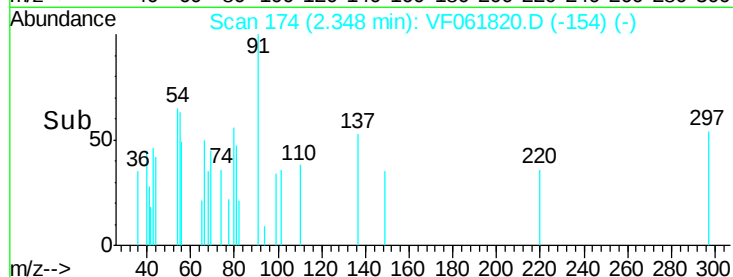
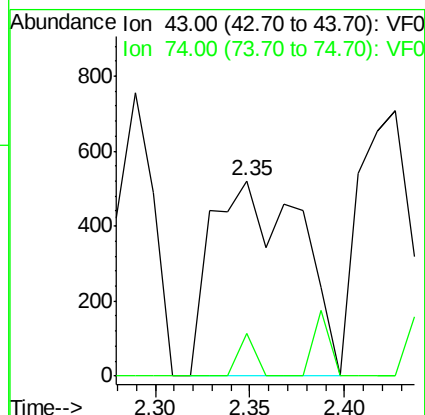
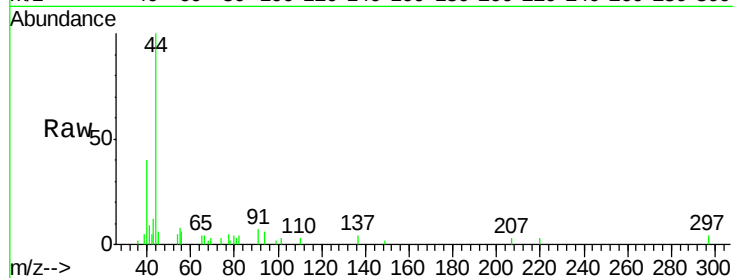
HR-06-022719-B

Tot Ion: 43 Resp: 1702

Ion Ratio Lower Upper

43 100

74 21.7 14.6 21.8



#19

Methyl tert-butyl Ether

Concen: 4.662 ug/l

RT: 2.43 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF061820.D

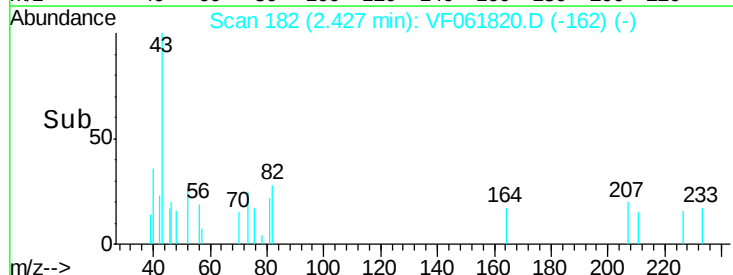
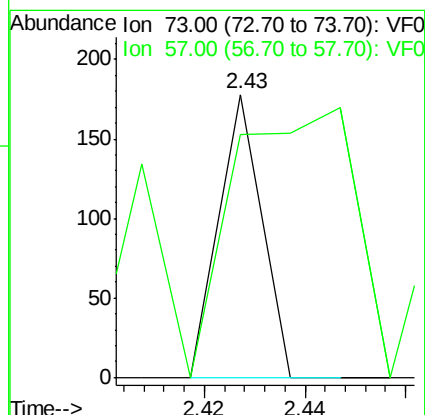
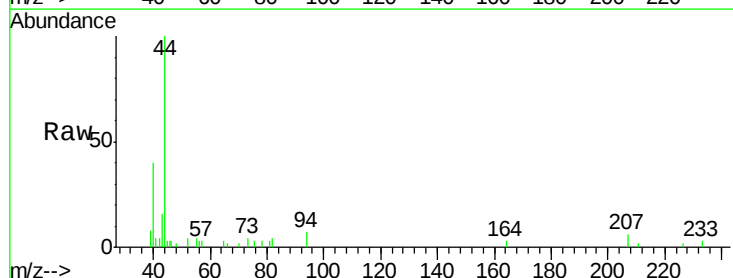
Acq: 1 Mar 2019 23:37

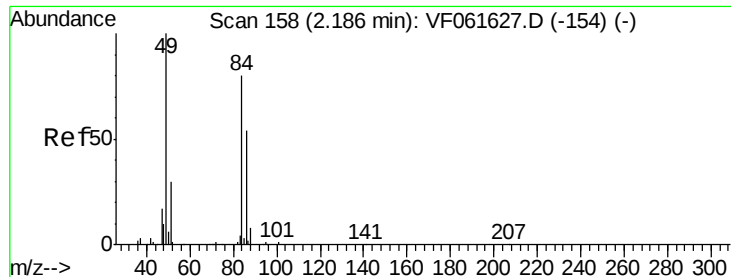
Tgt Ion: 73 Resp: 105

Ion Ratio Lower Upper

73 100

57 86.0 15.8 23.8#





#20

Methylene Chloride

Concen: 3.031 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

Tot Ion: 84 Resp: 70

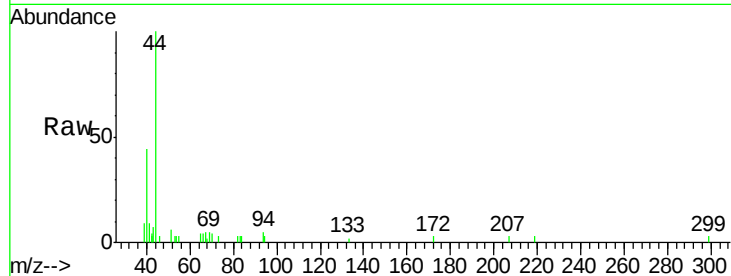
Ion Ratio Lower Upper

84 100

49 0.0 101.8 152.8#

51 216.1 31.1 46.7#

86 0.0 54.4 81.6#

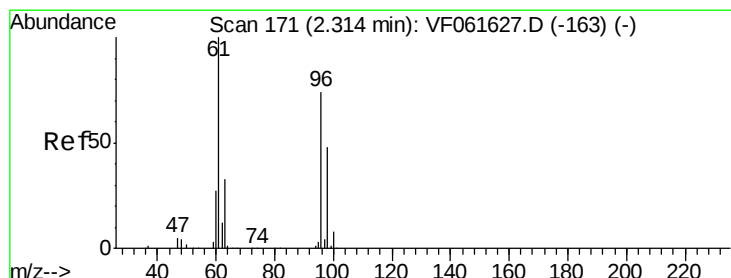
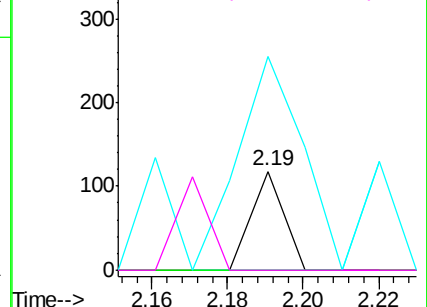
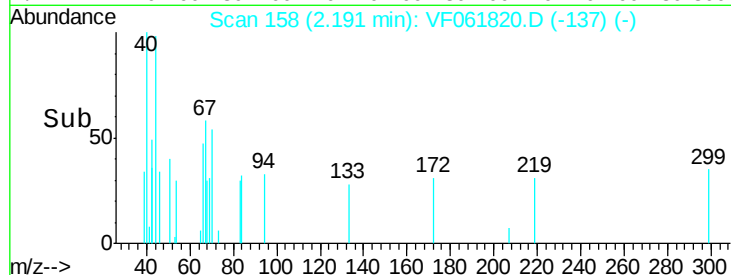


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#21

trans-1,2-Dichloroethene

Concen: 12.564 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

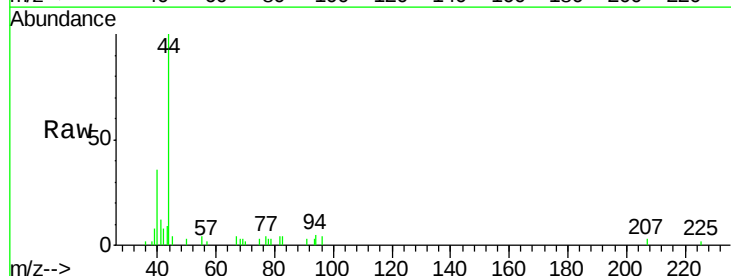
Tgt Ion: 96 Resp: 180

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

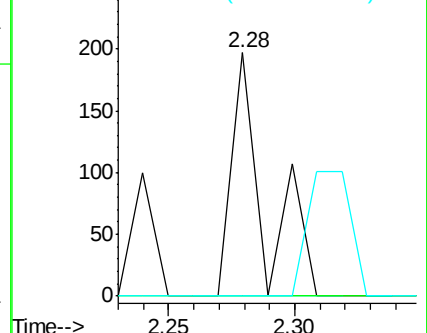
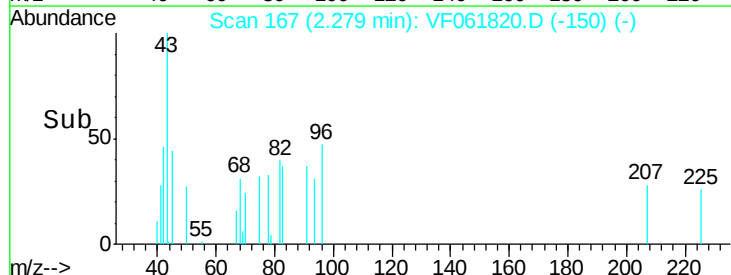
98 0.0 52.2 78.2#

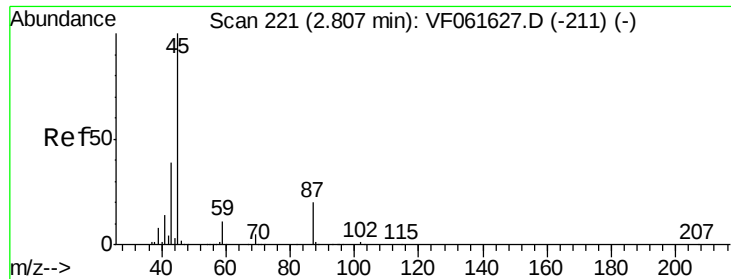


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#22

Diisopropyl ether

Concen: 8.192 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

Tot Ion: 45 Resp: 318

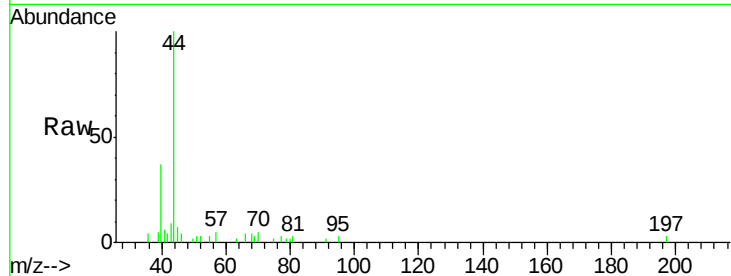
Ion Ratio Lower Upper

45 100

43 133.7 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

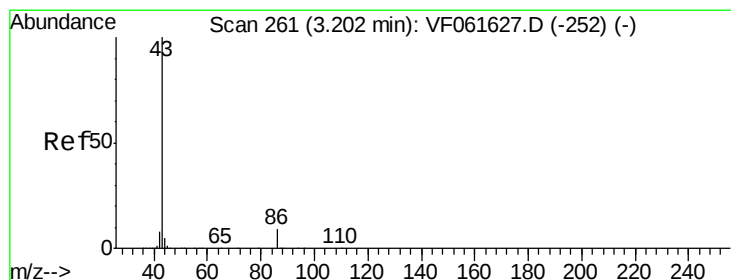
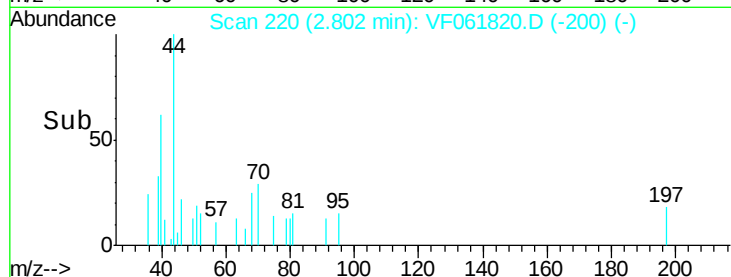
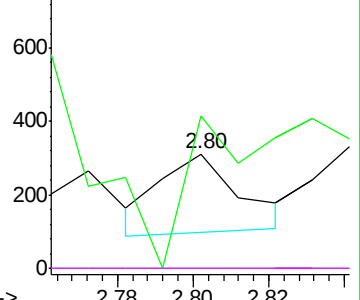


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 54.691 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061820.D

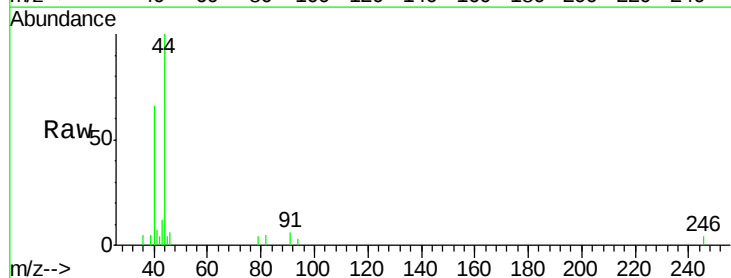
Acq: 1 Mar 2019 23:37

Tgt Ion: 43 Resp: 1037

Ion Ratio Lower Upper

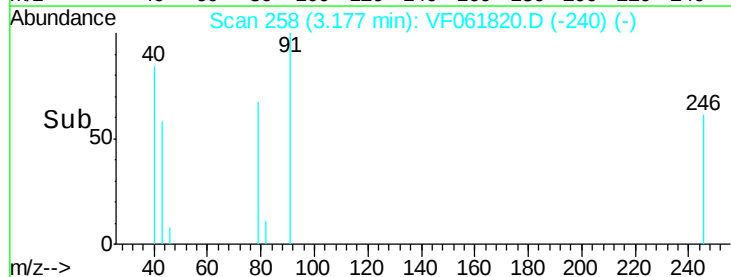
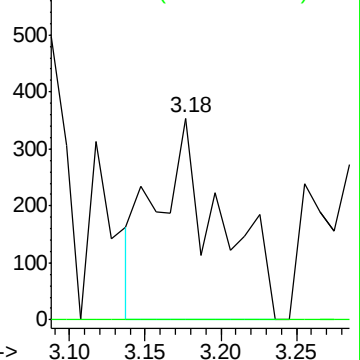
43 100

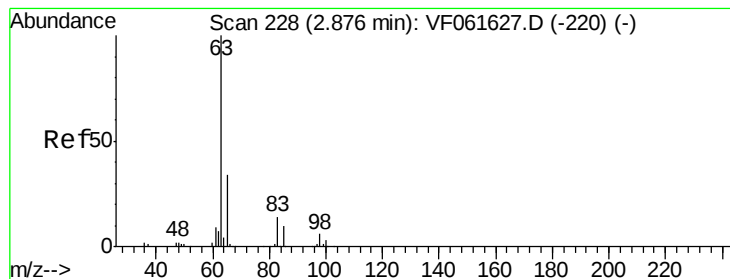
86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 2.554 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

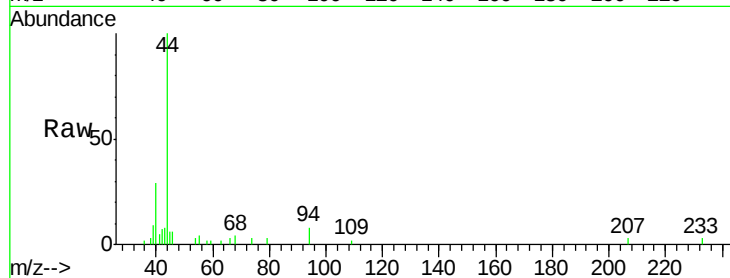
Tot Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

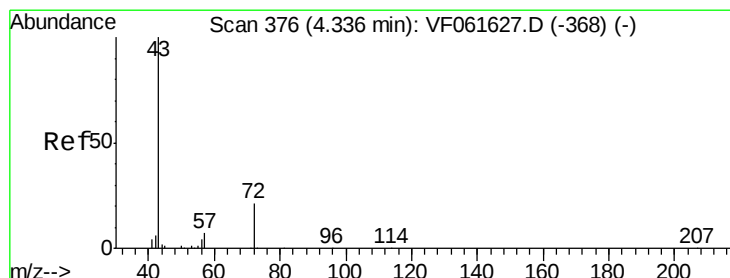
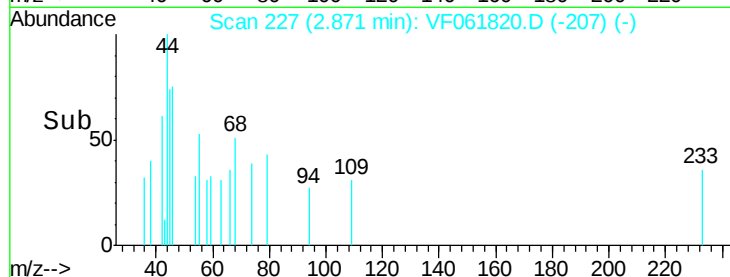
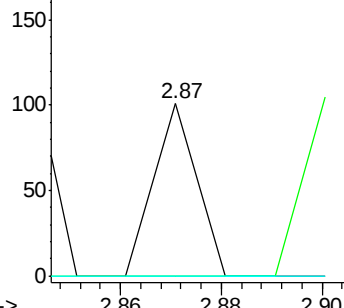
100 0.0 1.8 5.4#



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: 15.892 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061820.D

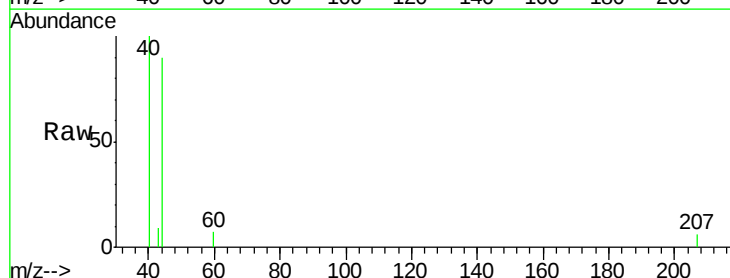
Acq: 1 Mar 2019 23:37

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

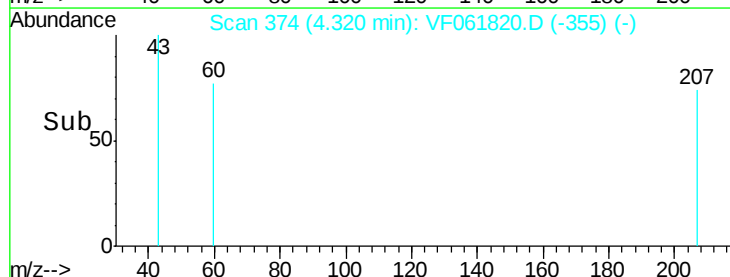
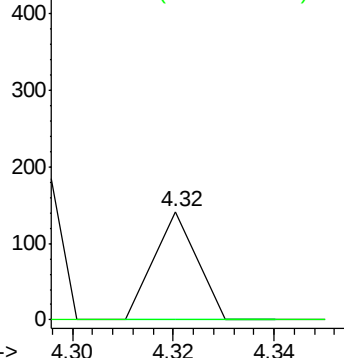
43 100

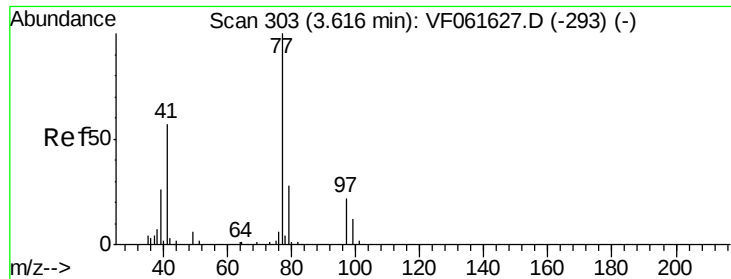
72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 8.039 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.12 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

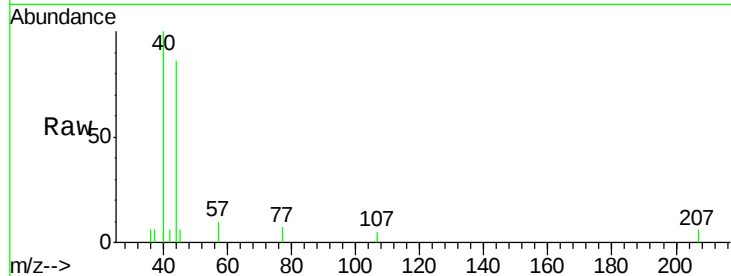
HR-06-022719-B

Tot Ion: 77 Resp: 80

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.49

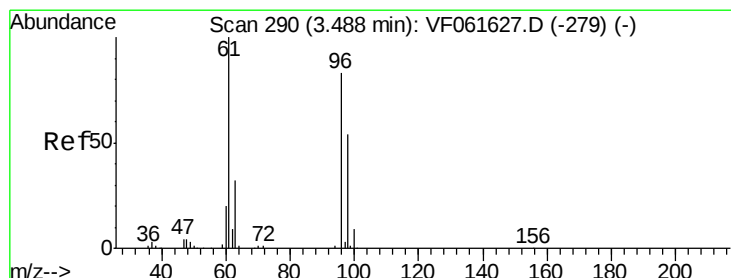
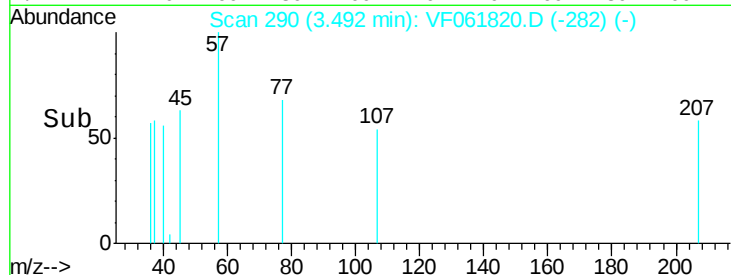
150

100

50

0

Time--> 3.46 3.48 3.50 3.52



#27

cis-1,2-Dichloroethene

Concen: 9.147 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

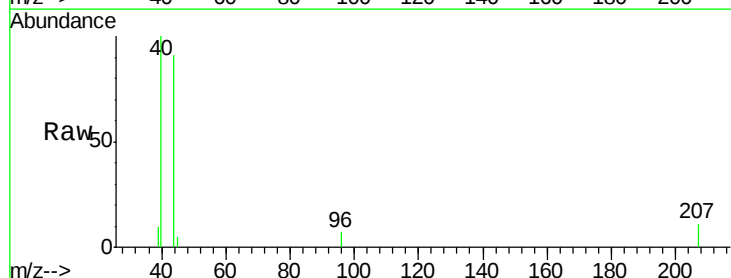
Tgt Ion: 96 Resp: 172

Ion Ratio Lower Upper

96 100

61 0.0 0.0 241.6

98 0.0 0.0 130.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

3.45

200

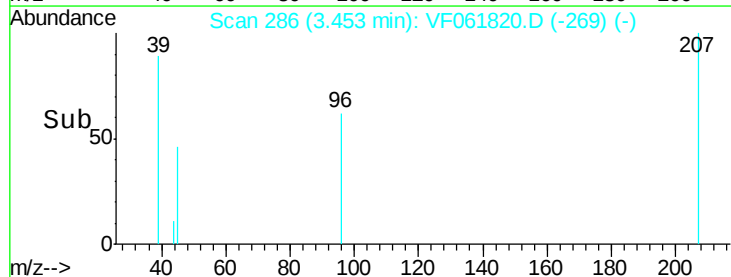
150

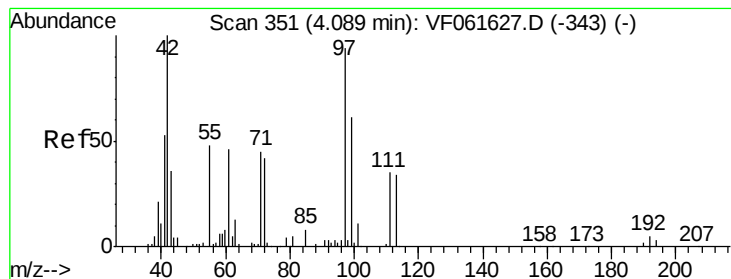
100

50

0

Time--> 3.42 3.44 3.46 3.48 3.50





#29

Tetrahydrofuran

Concen: 47.037 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

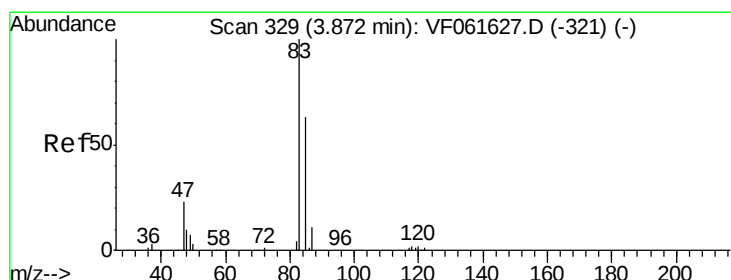
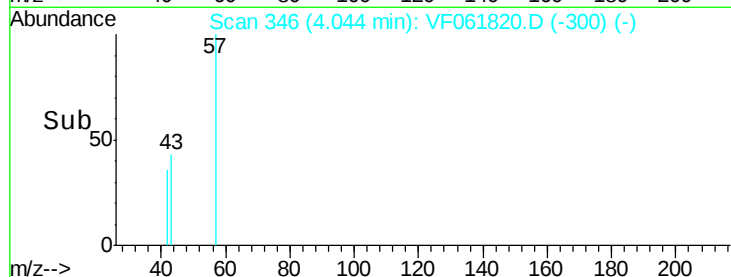
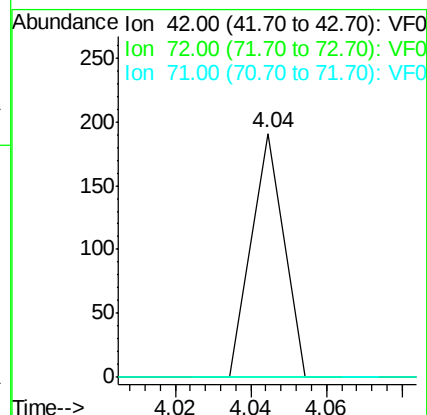
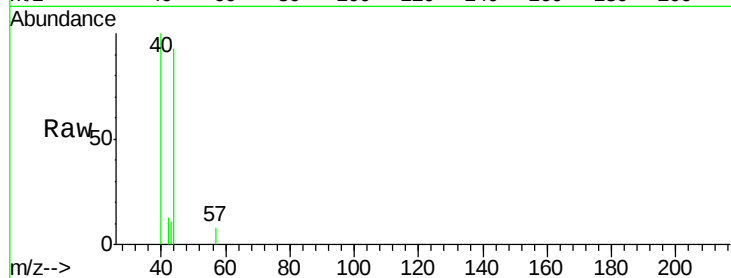
Tot Ion: 42 Resp: 113

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 0.0 32.9 49.3#



#30

Chloroform

Concen: 2.732 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF061820.D

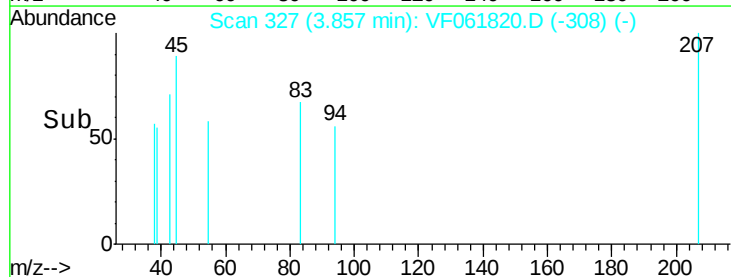
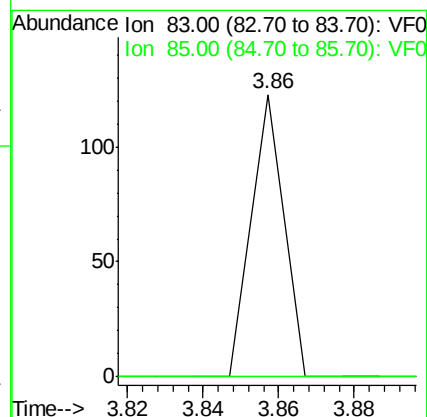
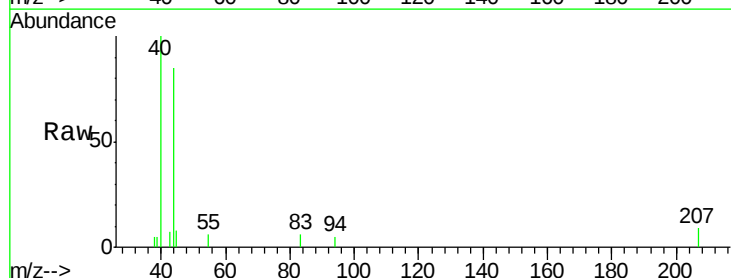
Acq: 1 Mar 2019 23:37

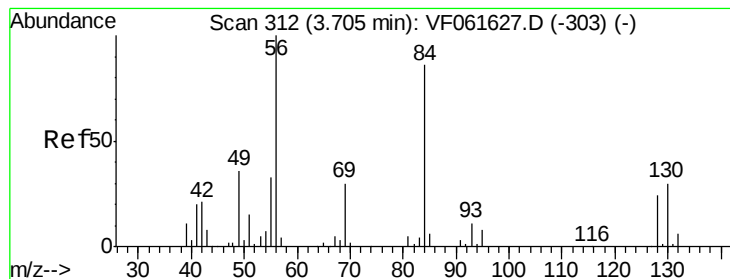
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

85 0.0 51.1 76.7#





#31

Cyclohexane

Concen: 2.477 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.03 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

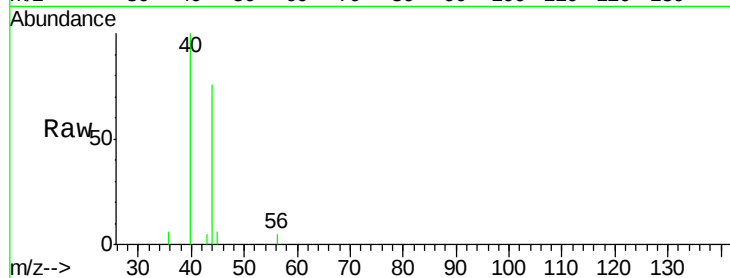
Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

84 0.0 68.6 103.0#

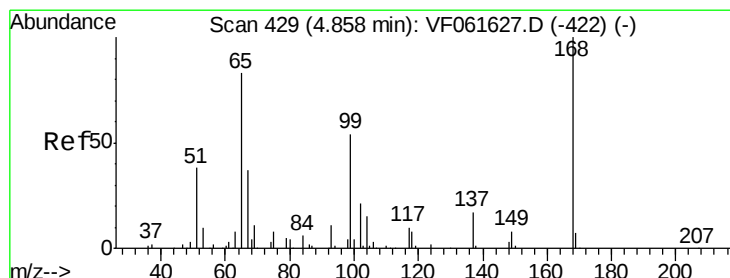
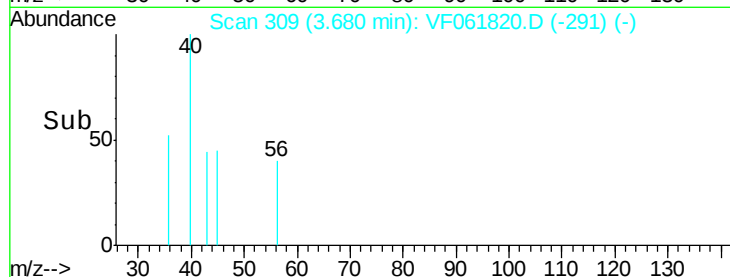
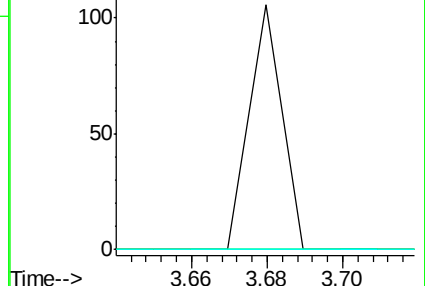


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

3.68



#33

1,2-Dichloroethane-d4

Concen: 7.537 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061820.D

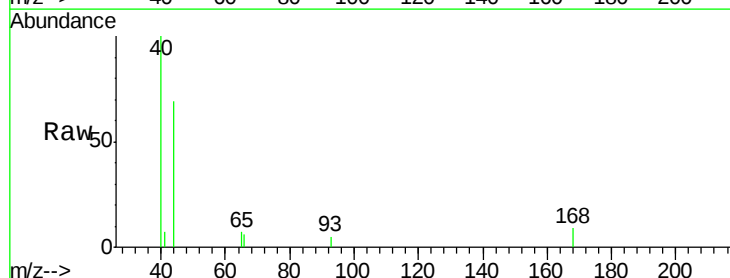
Acq: 1 Mar 2019 23:37

Tgt Ion: 65 Resp: 85

Ion Ratio Lower Upper

65 100

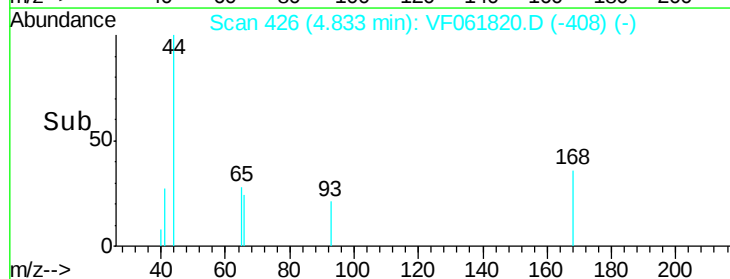
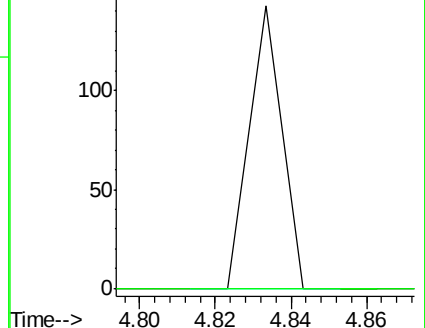
67 0.0 0.0 104.0

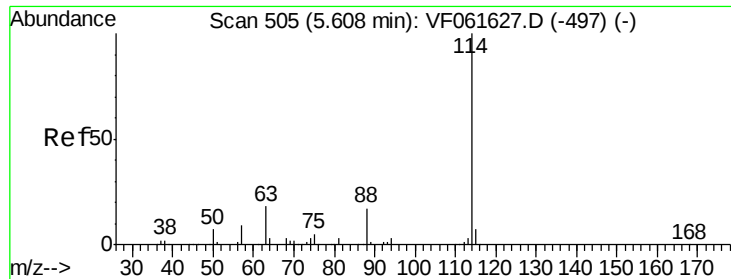


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

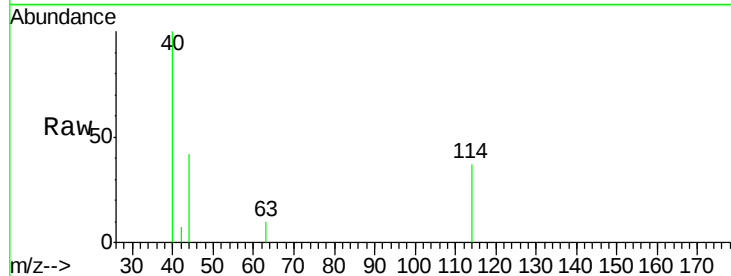
Tot Ion:114 Resp: 1463

Ion Ratio Lower Upper

114 100

63 26.6 0.0 36.6

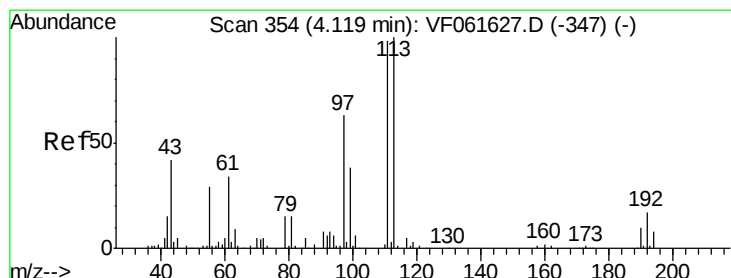
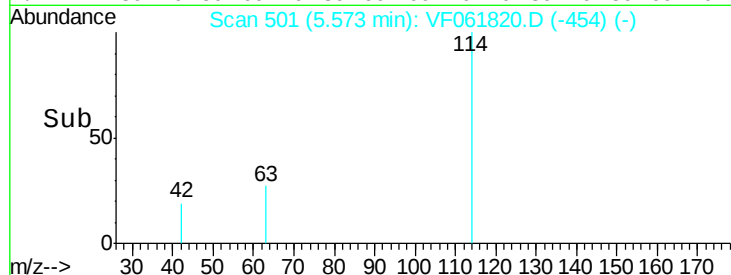
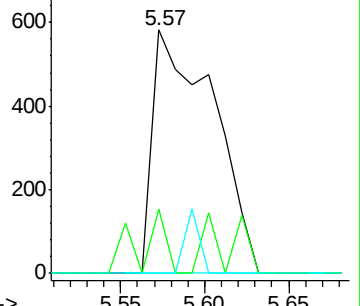
88 0.0 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 8.100 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

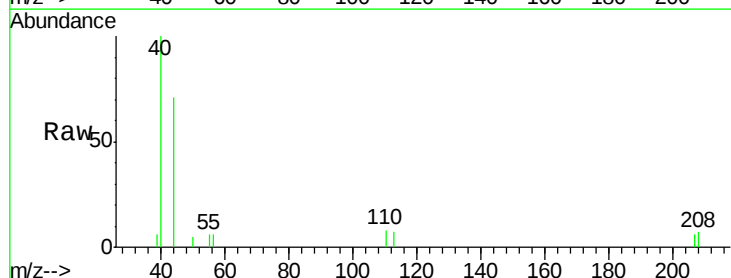
Tgt Ion:113 Resp: 88

Ion Ratio Lower Upper

113 100

111 0.0 78.8 118.2#

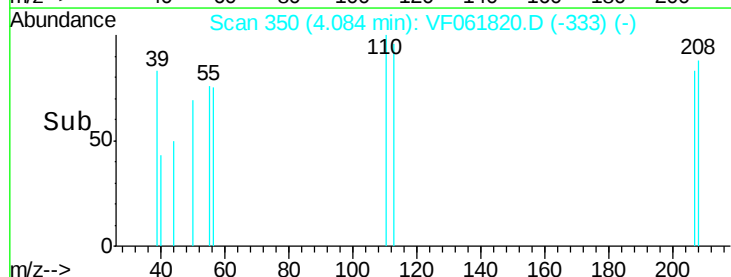
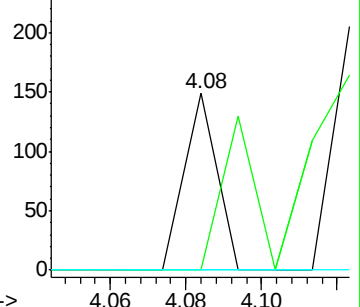
192 0.0 13.4 20.0#

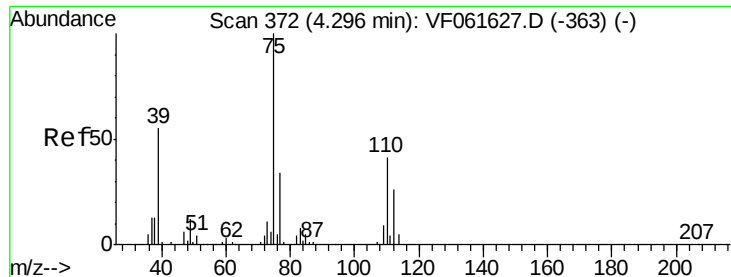


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 5.106 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

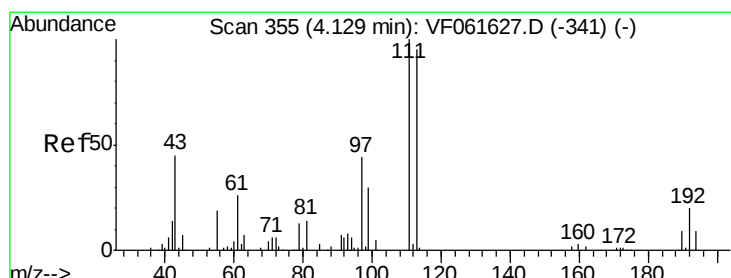
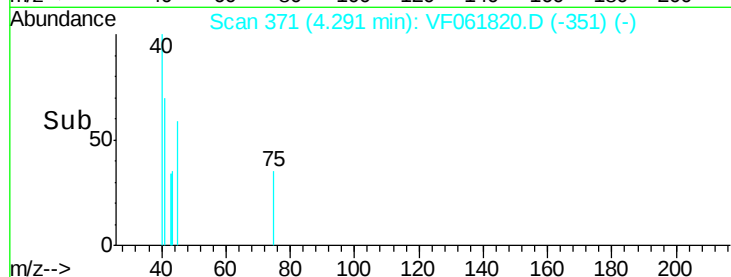
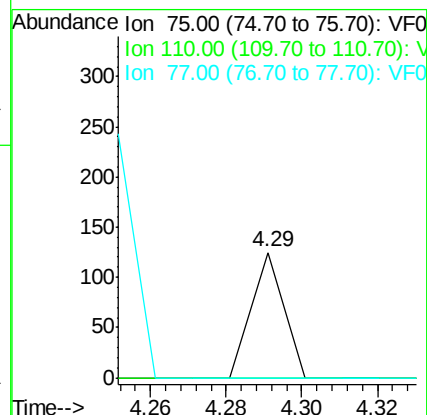
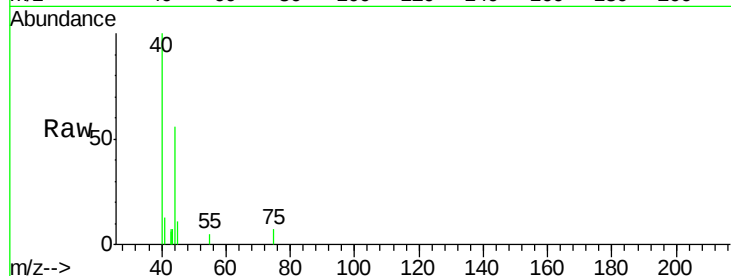
Tot Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

77 0.0 27.0 40.4#



#37

Ethyl Acetate

Concen: 10.547 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.03 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

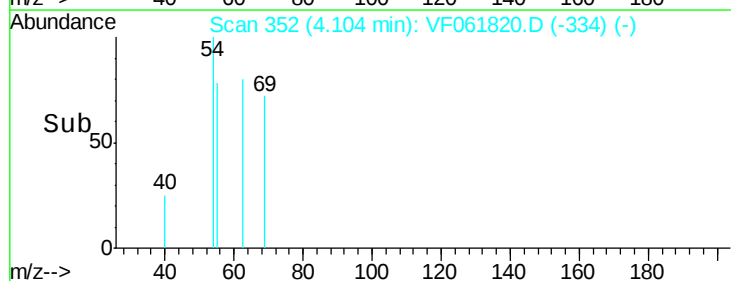
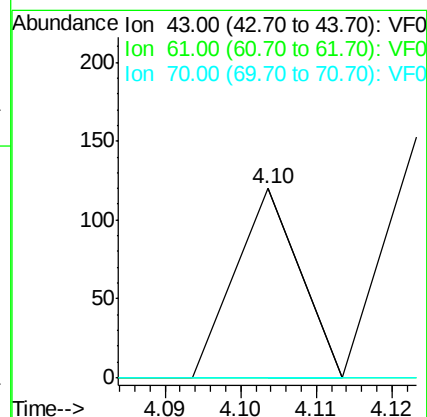
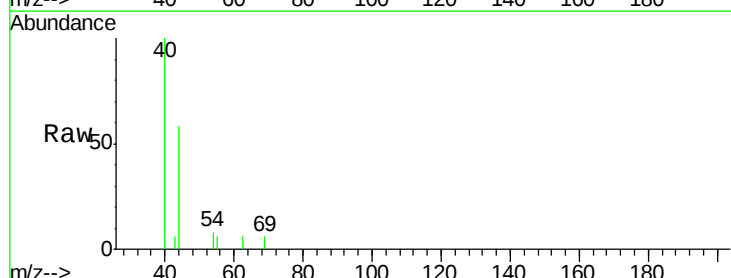
Tgt Ion: 43 Resp: 71

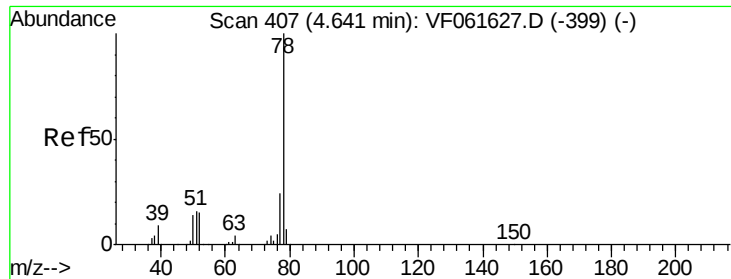
Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

70 0.0 8.5 12.7#





#40

Benzene

Concen: 2.031 ug/l

RT: 4.51 min Scan# 393

Delta R.T. -0.13 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

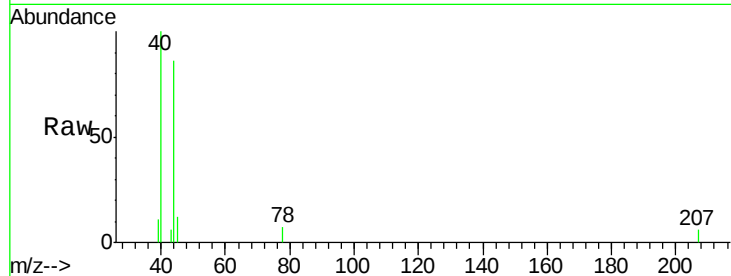
HR-06-022719-B

Tot Ion: 78 Resp: 77

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.51

150

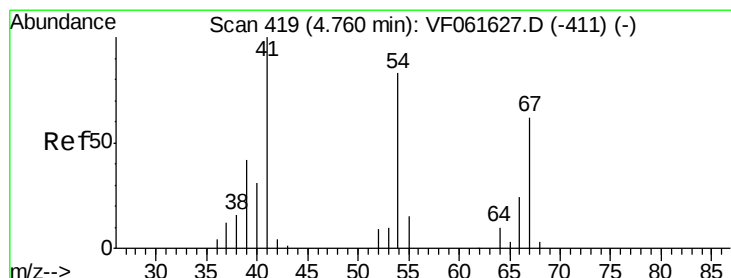
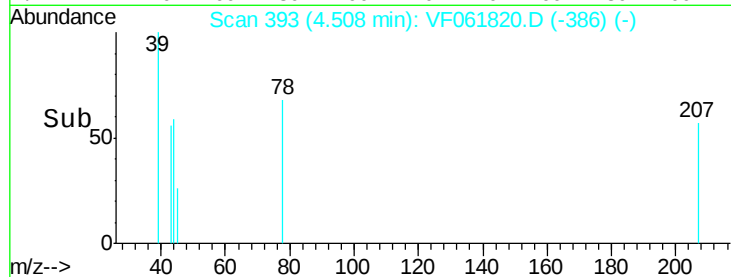
100

50

0

4.48 4.50 4.52 4.54

Time-->



#41

Methacrylonitrile

Concen: 17.429 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Tgt Ion: 41 Resp: 60

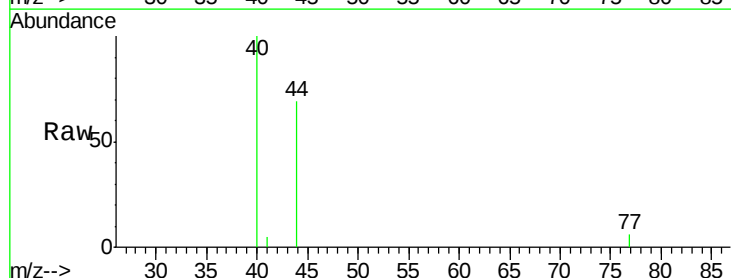
Ion Ratio Lower Upper

41 100

39 0.0 45.3 67.9#

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#



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

200

150

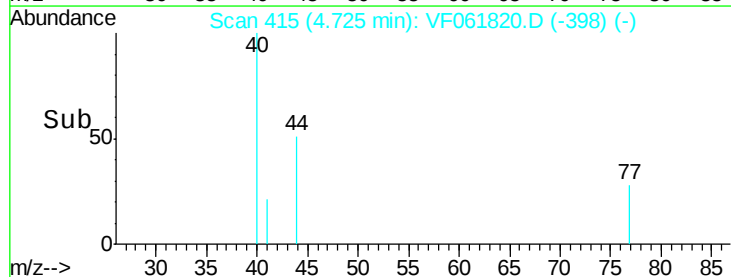
100

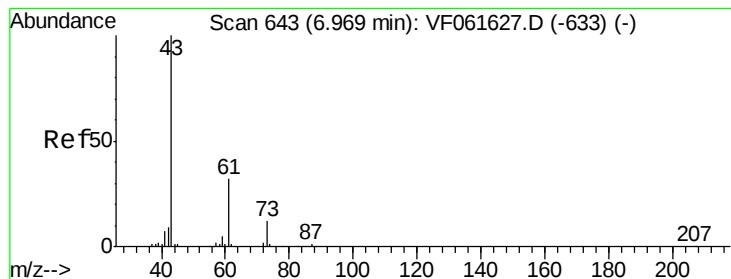
50

0

4.71 4.72 4.73 4.74

Time-->





#43

Isopropyl Acetate

Concen: 9.162 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

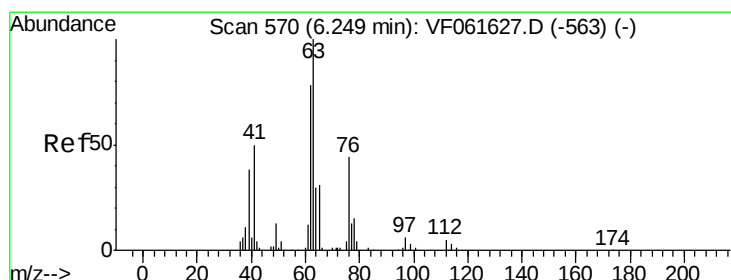
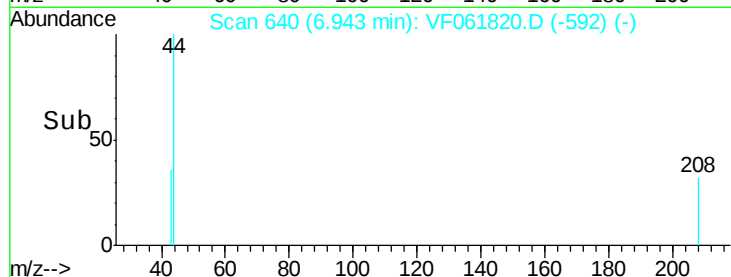
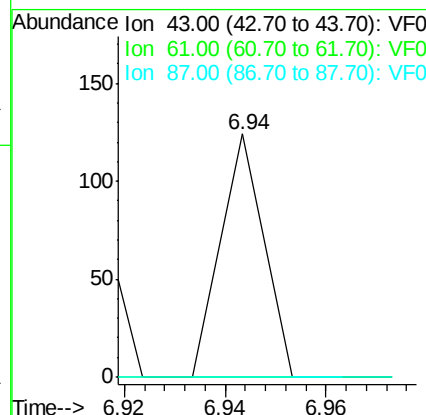
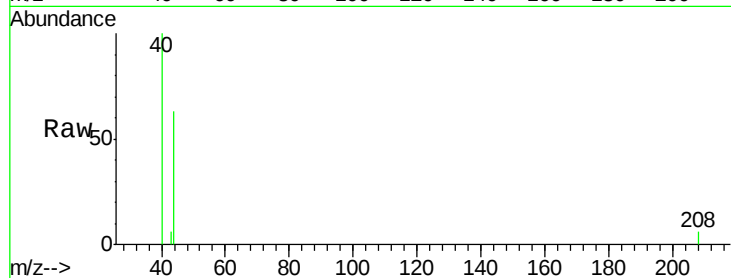
Tot Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.4 0.6#



#45

1,2-Dichloropropane

Concen: 7.748 ug/l

RT: 6.05 min Scan# 549

Delta R.T. -0.20 min

Lab File: VF061820.D

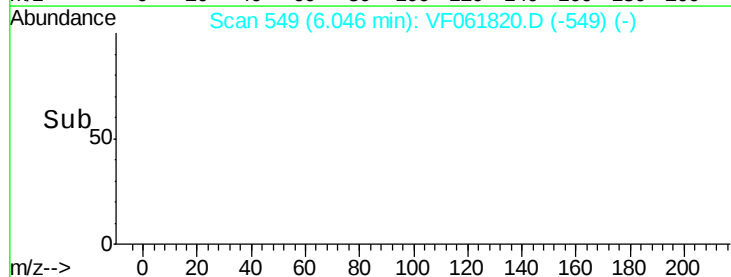
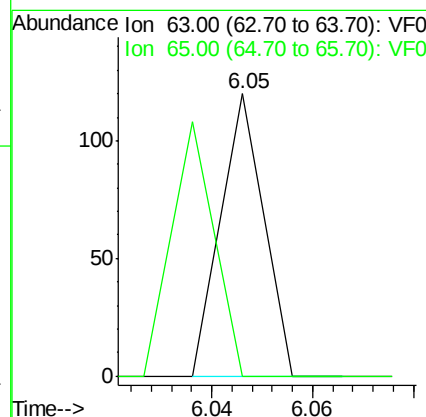
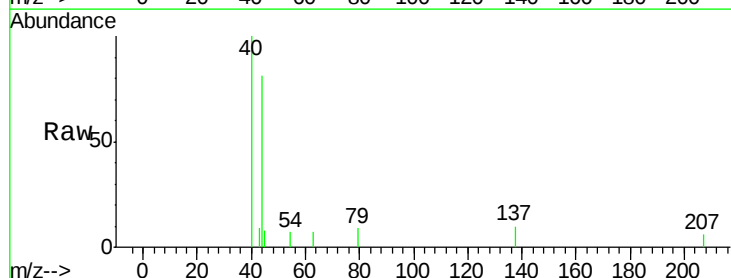
Acq: 1 Mar 2019 23:37

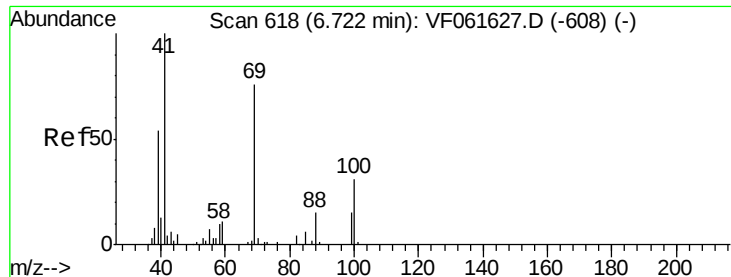
Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

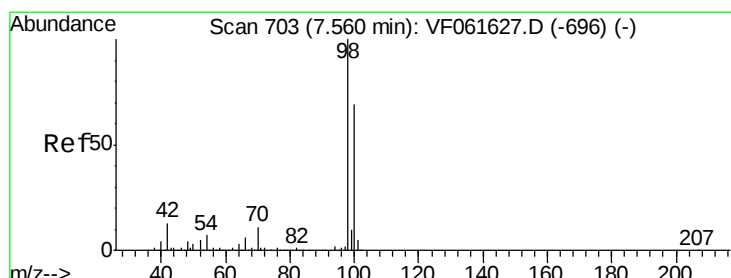
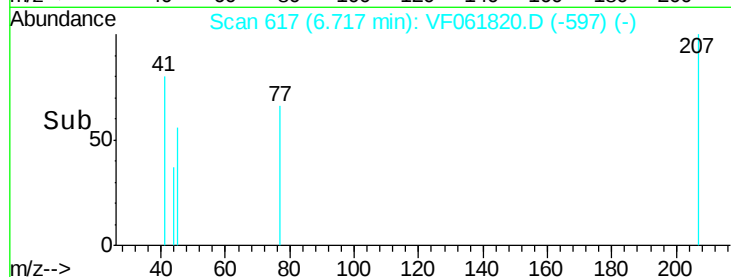
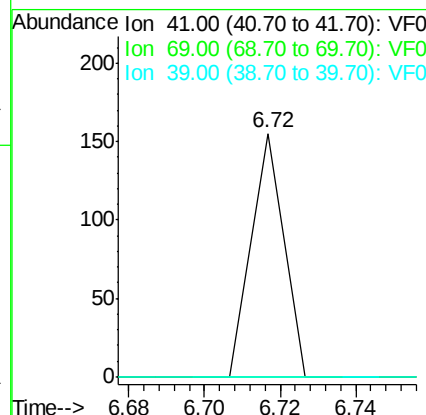
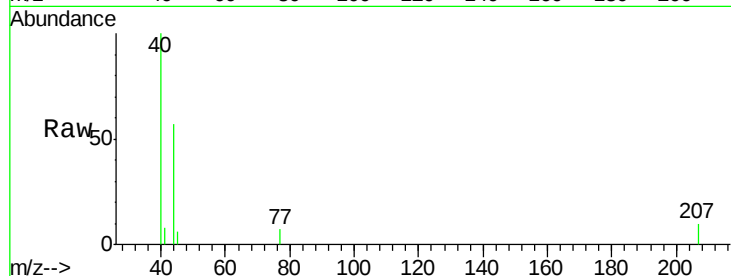




#48  
Methvl methacrylate  
Concen: 19.186 ug/l  
RT: 6.72 min Scan# 617  
Delta R.T. -0.01 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

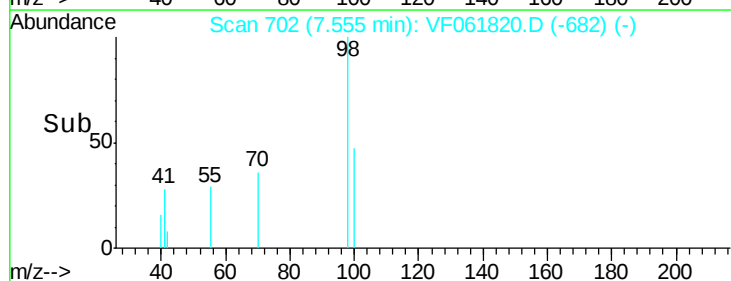
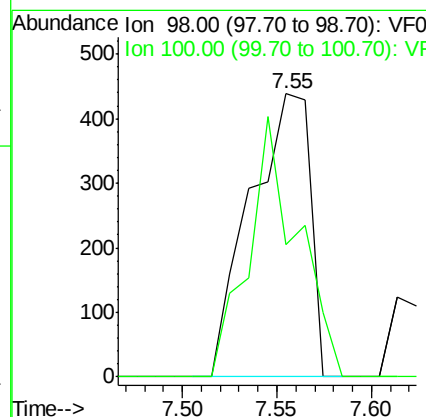
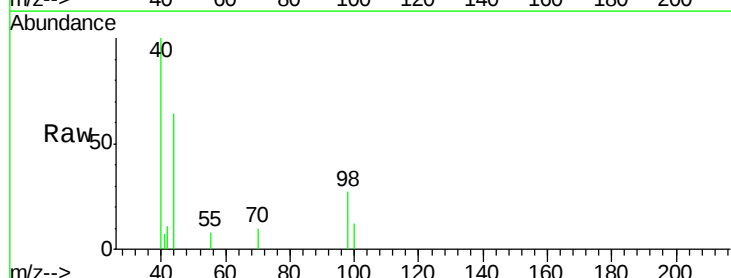
Instrument :  
MSVOA\_F  
ClientSampleId :  
HR-06-022719-B

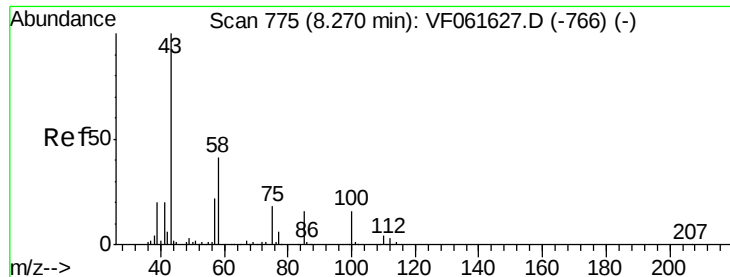
Tot Ion: 41 Resp: 92  
Ion Ratio Lower Upper  
41 100  
69 0.0 60.4 90.6#  
39 0.0 43.7 65.5#



#50  
Toluene-d8  
Concen: 30.706 ug/l  
RT: 7.55 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

Tgt Ion: 98 Resp: 959  
Ion Ratio Lower Upper  
98 100  
100 46.8 55.4 83.2#





#51

4-Methyl-2-Pentanone

Concen: 29.156 ug/l

RT: 8.20 min Scan# 767

Delta R.T. -0.07 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

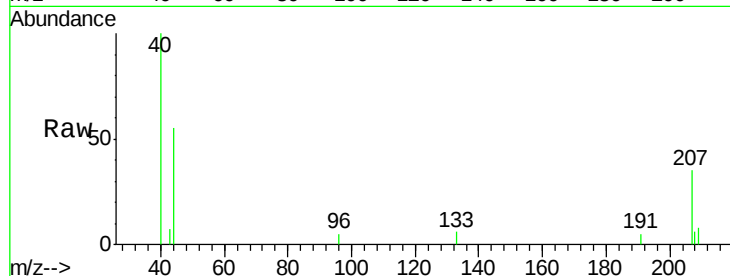
HR-06-022719-B

Tot Ion: 43 Resp: 166

Ion Ratio Lower Upper

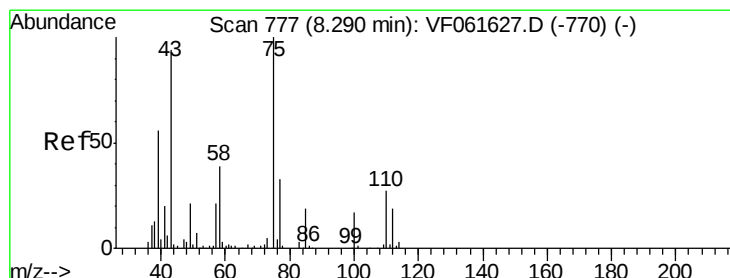
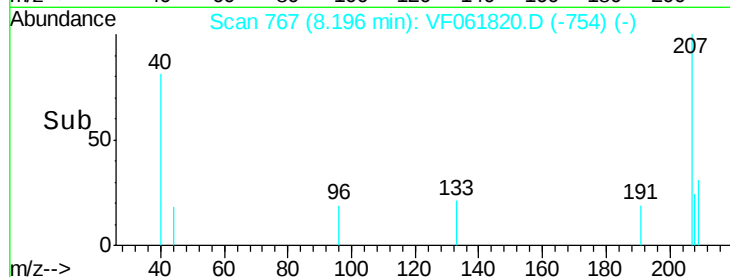
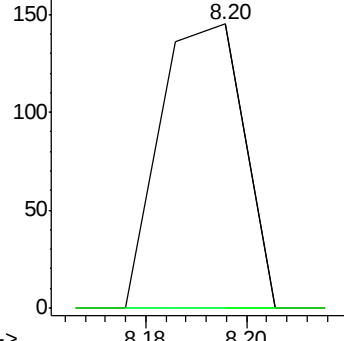
43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 7.099 ug/l

RT: 8.07 min Scan# 754

Delta R.T. -0.22 min

Lab File: VF061820.D

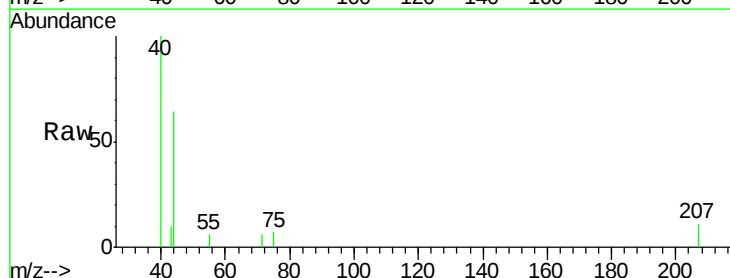
Acq: 1 Mar 2019 23:37

Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

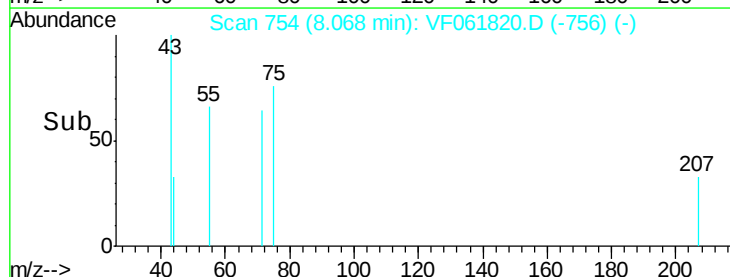
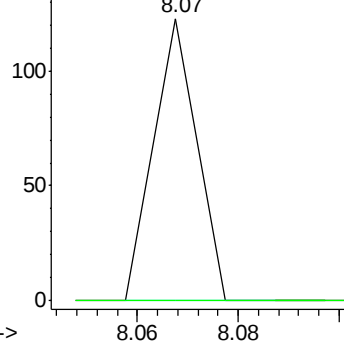
75 100

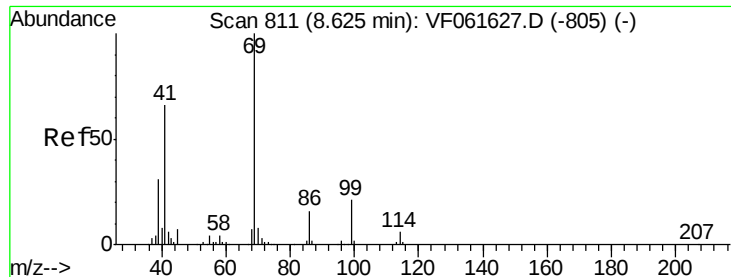
77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#56

Ethyl methacrylate

Concen: 8.244 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

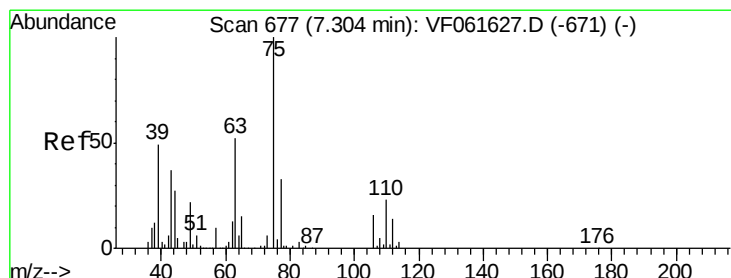
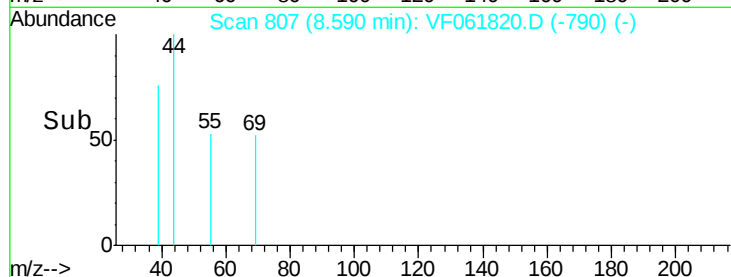
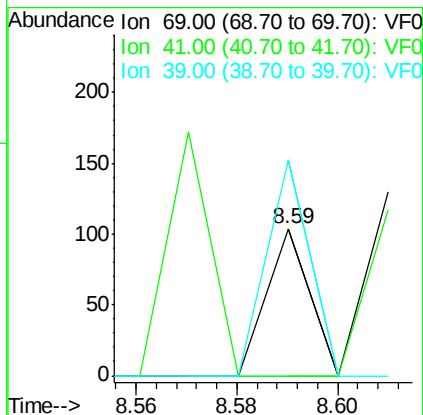
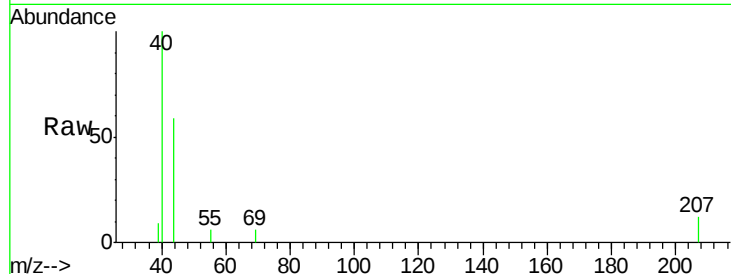
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 52.9 79.3#

39 146.2 24.5 36.7#



#58

2-Chloroethyl Vinyl ether

Concen: 46.240 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061820.D

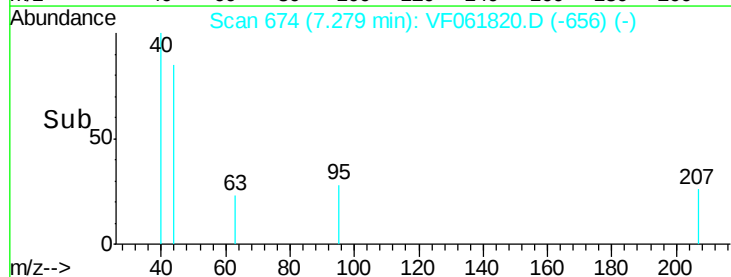
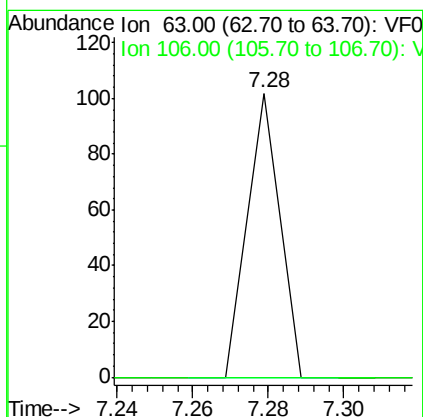
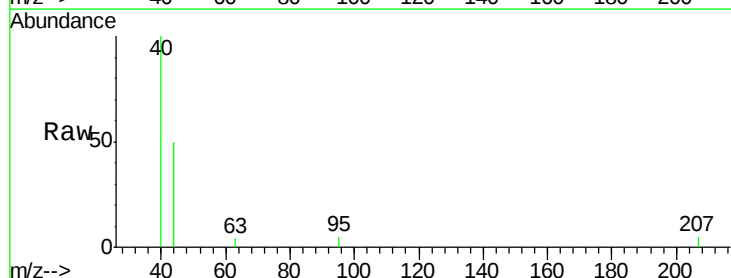
Acq: 1 Mar 2019 23:37

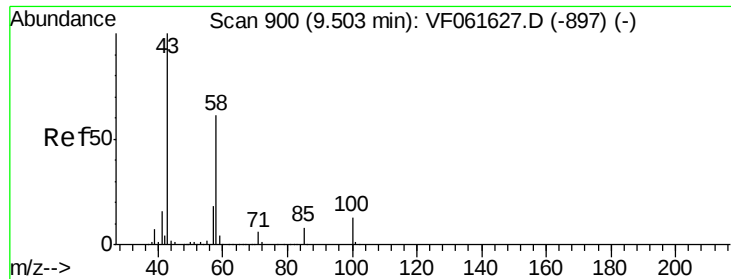
Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

106 0.0 24.6 36.8#

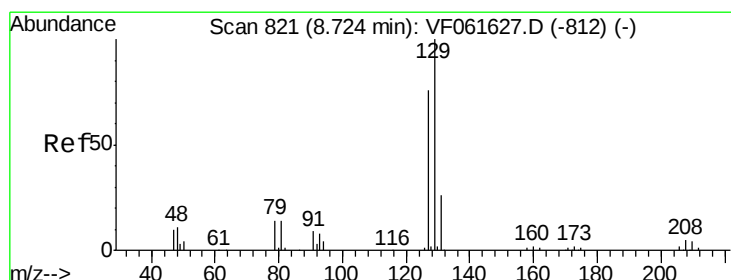
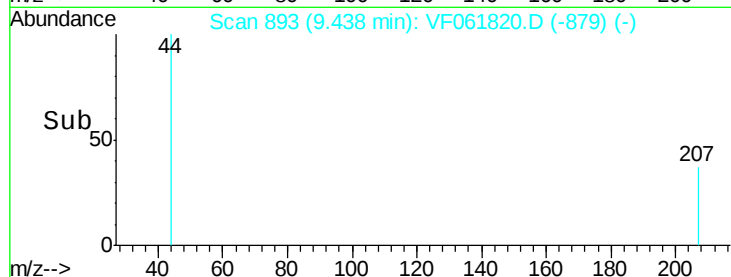
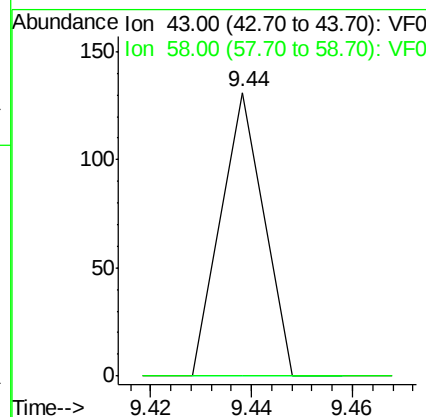
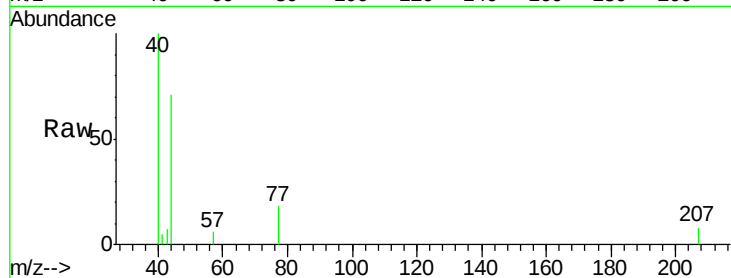




#59  
2-Hexanone  
Concen: 19.294 ug/l  
RT: 9.44 min Scan# 893  
Delta R.T. -0.06 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

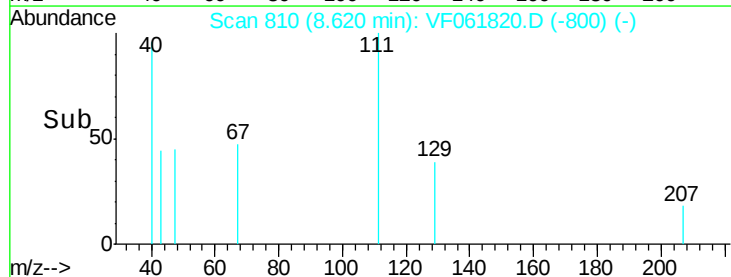
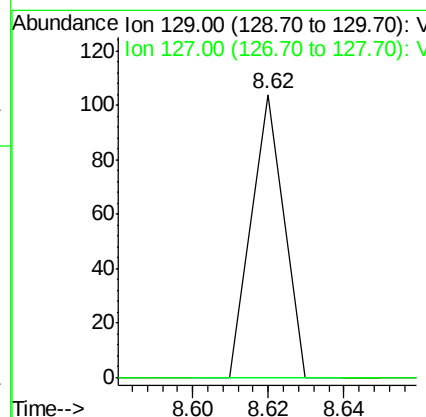
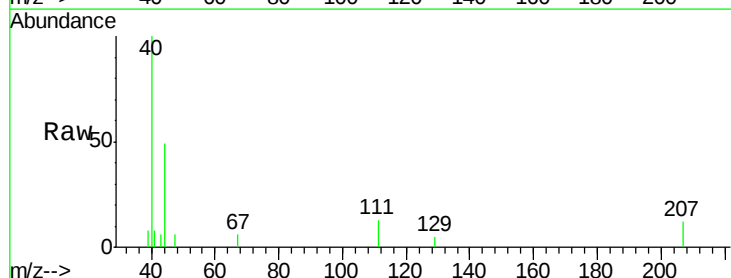
Instrument :  
MSVOA\_F  
ClientSampleId :  
HR-06-022719-B

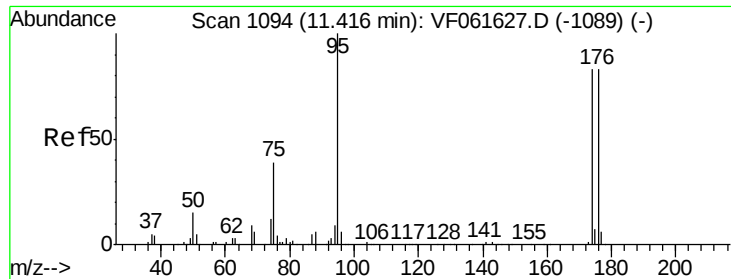
Tot Ion: 43 Resp: 77  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.5 85.5#



#60  
Dibromochloromethane  
Concen: 6.594 ug/l  
RT: 8.62 min Scan# 810  
Delta R.T. -0.10 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

Tgt Ion: 129 Resp: 62  
Ion Ratio Lower Upper  
129 100  
127 0.0 37.8 113.4#





#62

4-Bromofluorobenzene

Concen: 56.263 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

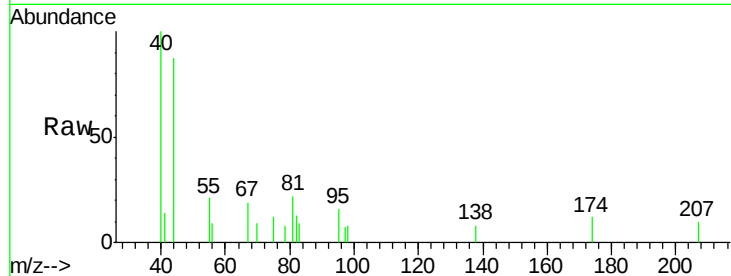
Tot Ion: 95 Resp: 711

Ion Ratio Lower Upper

95 100

174 73.6 0.0 165.8

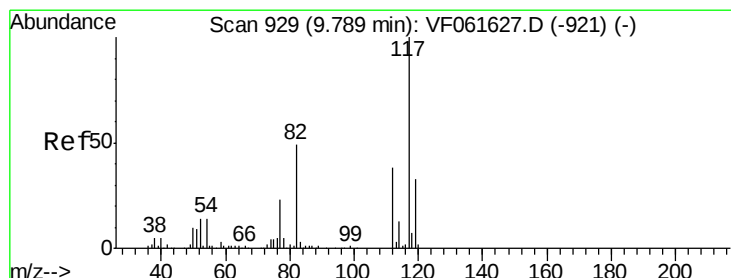
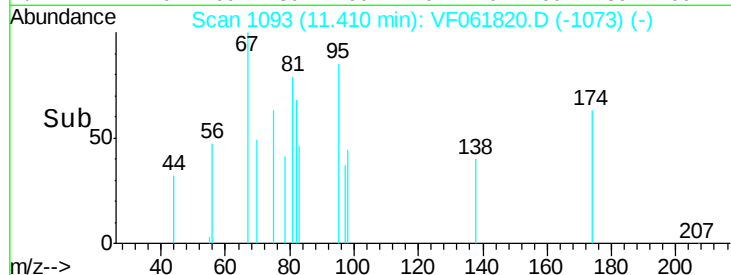
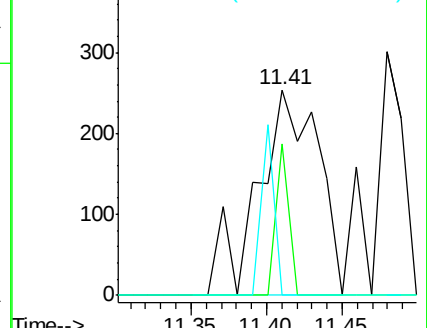
176 0.0 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

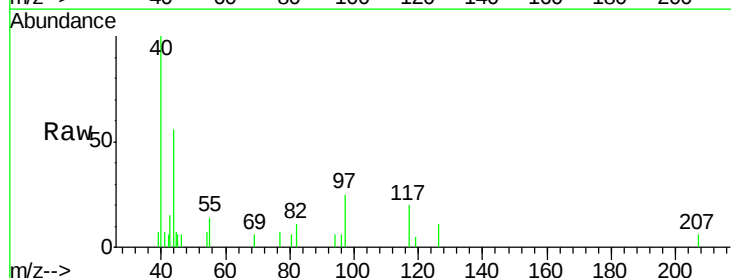
Tgt Ion: 117 Resp: 729

Ion Ratio Lower Upper

117 100

82 53.4 39.3 58.9

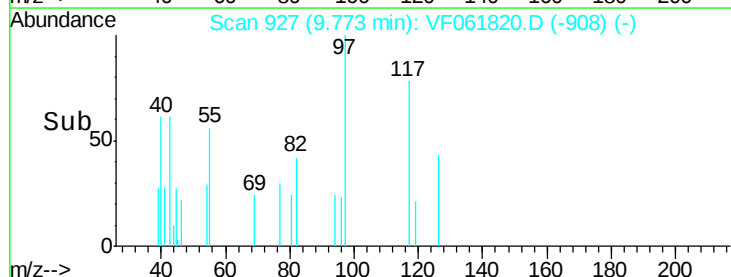
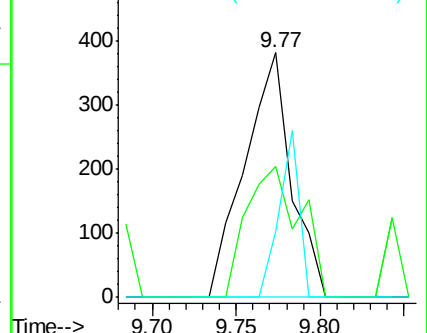
119 26.4 26.6 40.0#

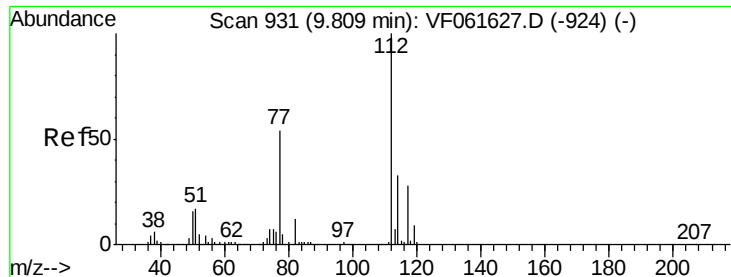


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

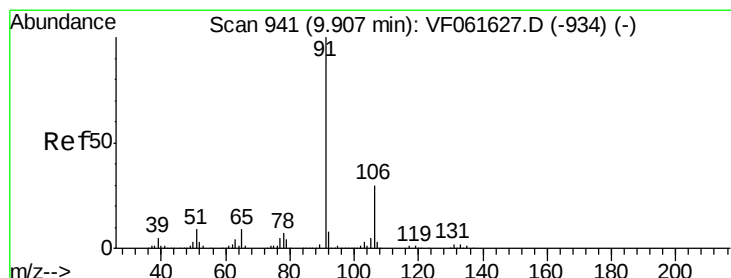
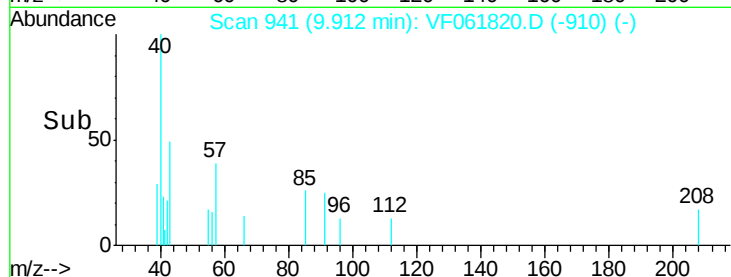
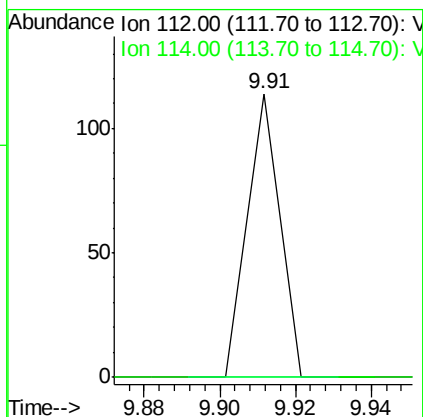
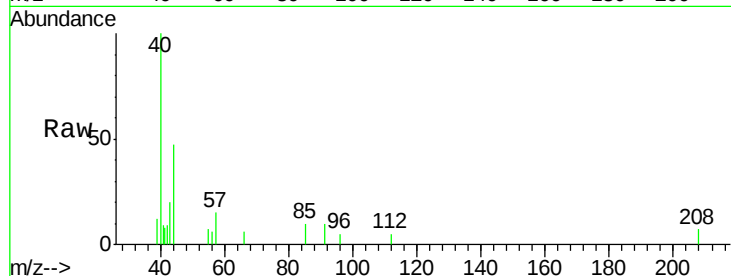




#65  
Chlorobenzene  
Concen: 4.529 ug/l  
RT: 9.91 min Scan# 941  
Delta R.T. 0.10 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

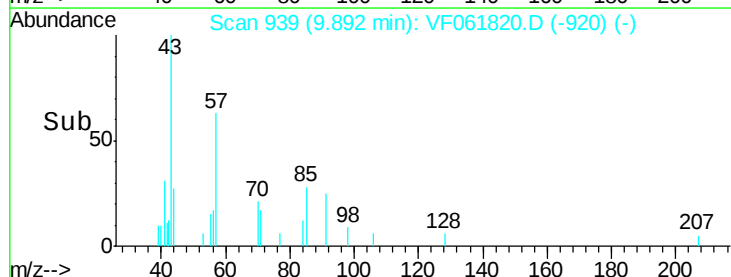
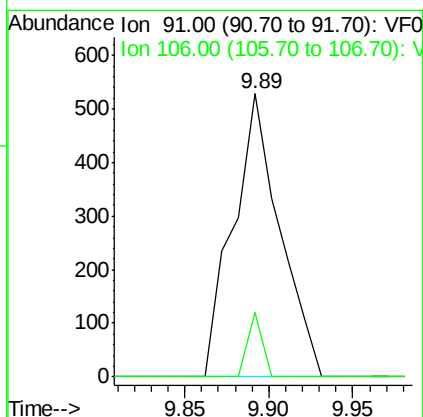
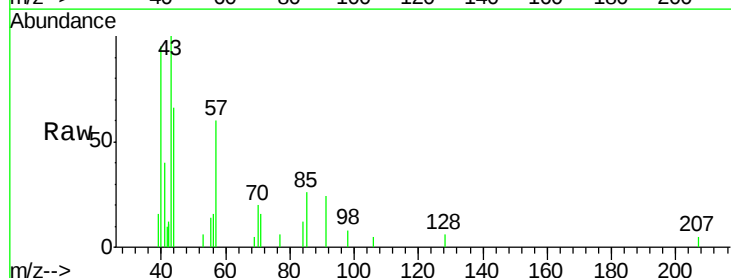
Instrument :  
MSVOA\_F  
ClientSampleId :  
HR-06-022719-B

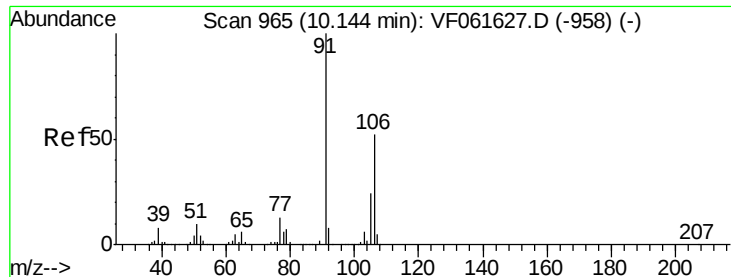
Tot Ion:112 Resp: 67  
Ion Ratio Lower Upper  
112 100  
114 0.0 26.2 39.2#



#67  
Ethyl Benzene  
Concen: 41.218 ug/l  
RT: 9.89 min Scan# 939  
Delta R.T. -0.02 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

Tgt Ion: 91 Resp: 1014  
Ion Ratio Lower Upper  
91 100  
106 22.7 24.1 36.1#





#68

m/p-Xylenes

Concen: 103.664 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

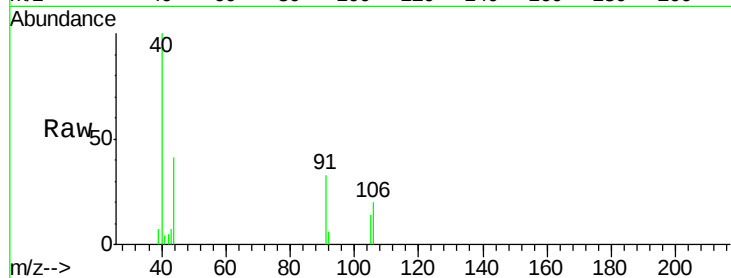
HR-06-022719-B

Tot Ion:106 Resp: 976

Ion Ratio Lower Upper

106 100

91 166.6 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

1000

800

600

400

200

0

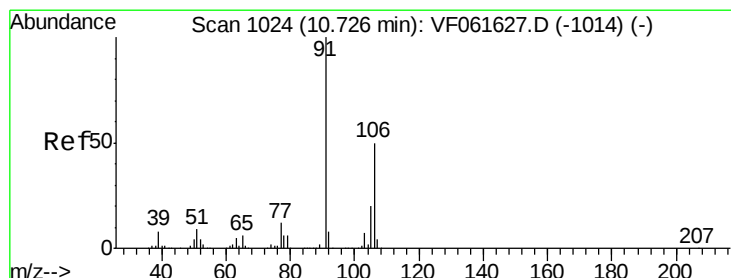
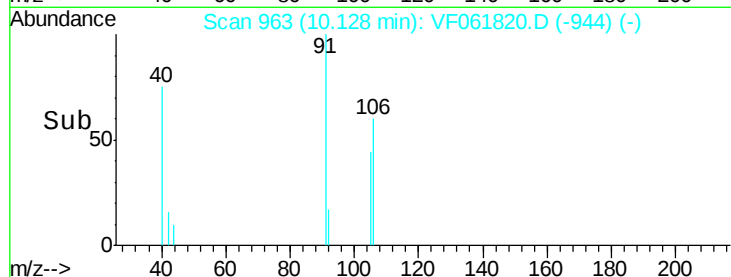
10.05

10.10

10.13

10.15

Time-->



#69

o-Xylene

Concen: 91.874 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.03 min

Lab File: VF061820.D

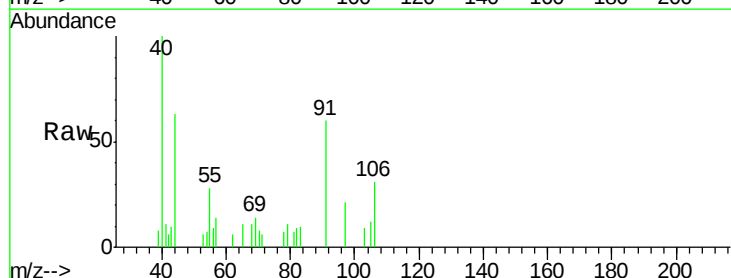
Acq: 1 Mar 2019 23:37

Tgt Ion:106 Resp: 923

Ion Ratio Lower Upper

106 100

91 193.2 100.1 300.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

1000

500

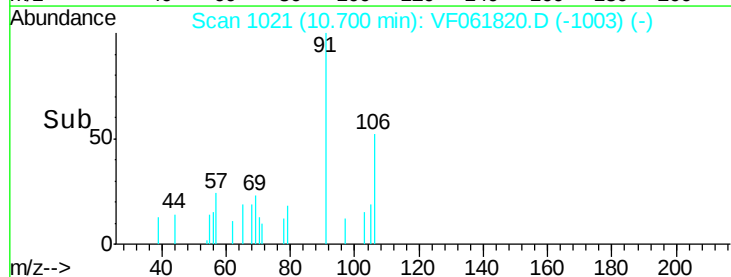
0

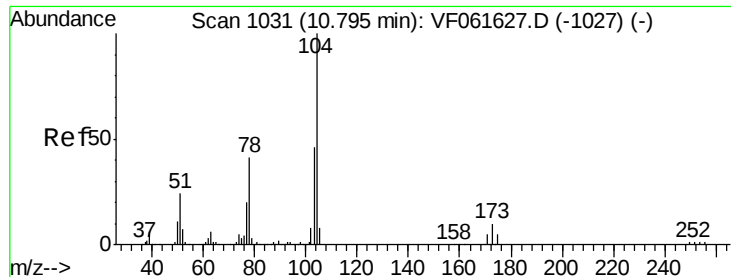
10.65

10.70

10.75

Time-->





#70

Stvrene

Concen: 4.644 ug/l

RT: 10.64 min Scan# 1015

Delta R.T. -0.15 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

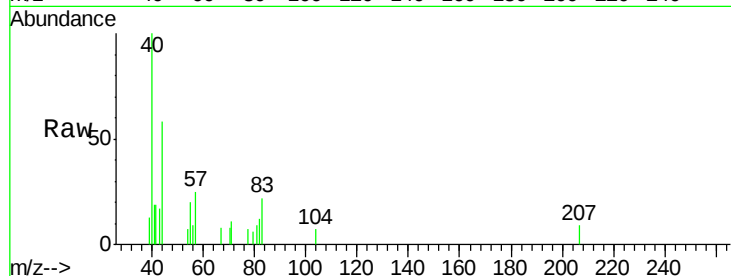
Tot Ion:104 Resp: 66

Ion Ratio Lower Upper

104 100

78 0.0 33.2 49.8#

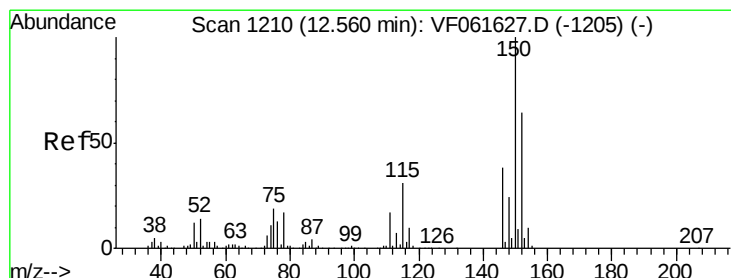
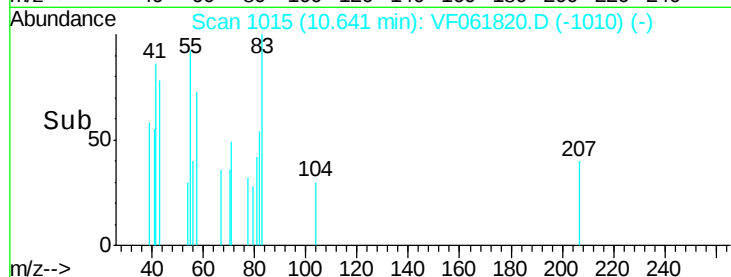
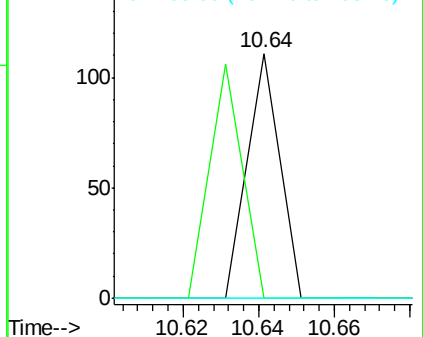
103 0.0 37.2 55.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

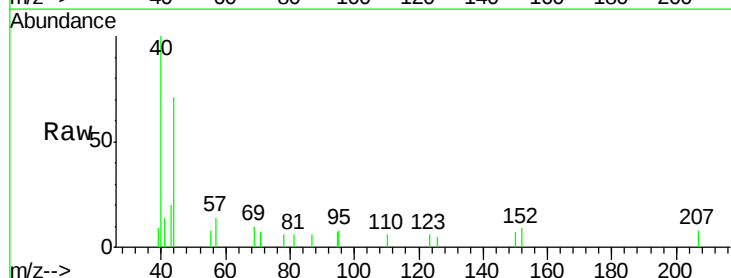
Tgt Ion:152 Resp: 96

Ion Ratio Lower Upper

152 100

115 0.0 24.3 72.8#

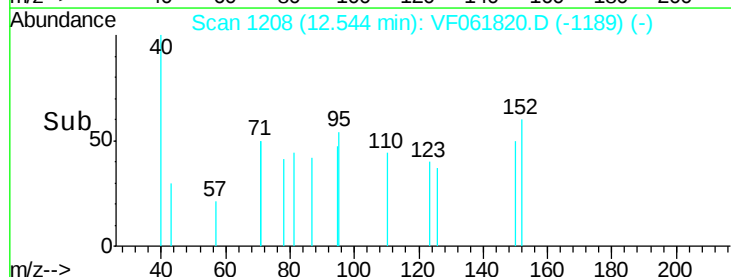
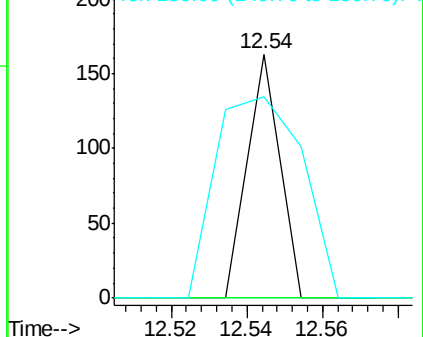
150 82.8 0.0 312.0

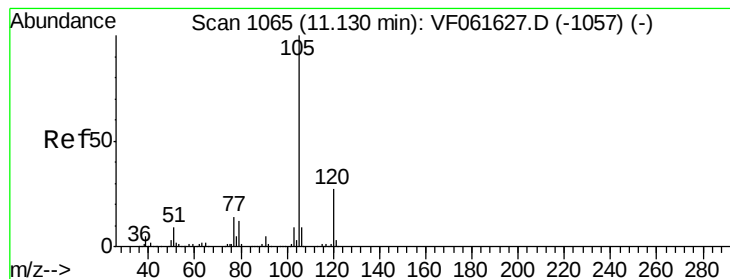


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 141.331 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

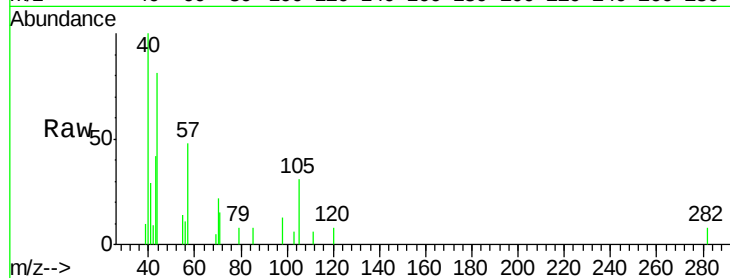
HR-06-022719-B

Tot Ion:105 Resp: 966

Ion Ratio Lower Upper

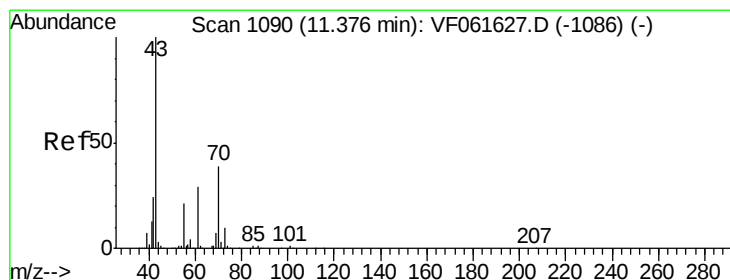
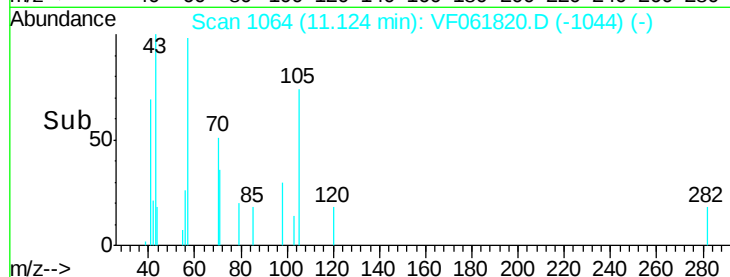
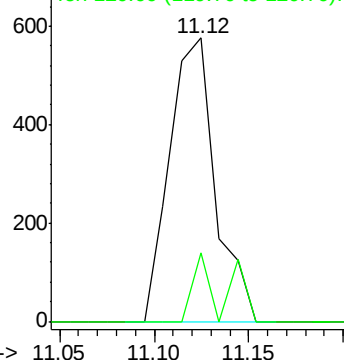
105 100

120 24.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 401.080 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. 0.10 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Tgt Ion: 43 Resp: 658

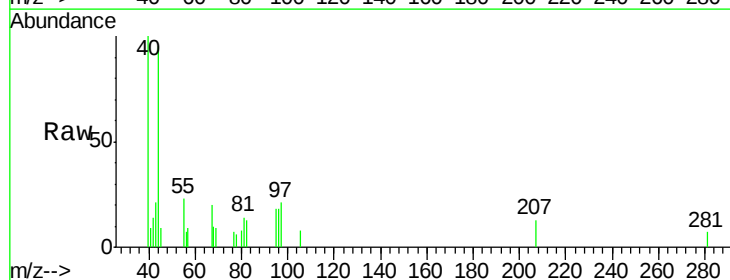
Ion Ratio Lower Upper

43 100

70 0.0 31.5 47.3#

55 108.2 16.7 25.1#

61 0.0 23.0 34.6#

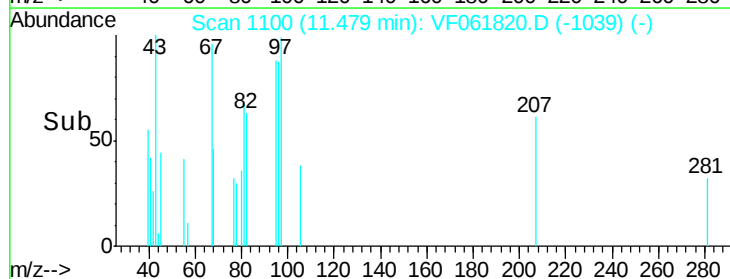
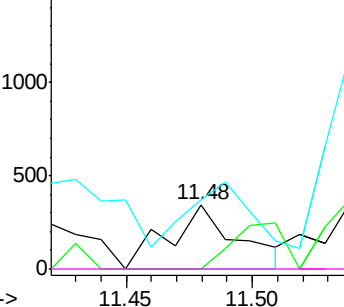


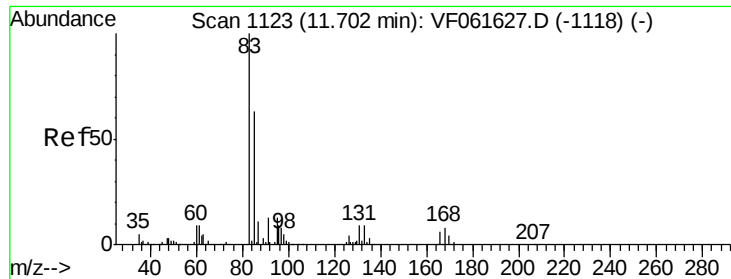
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 590.436 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B

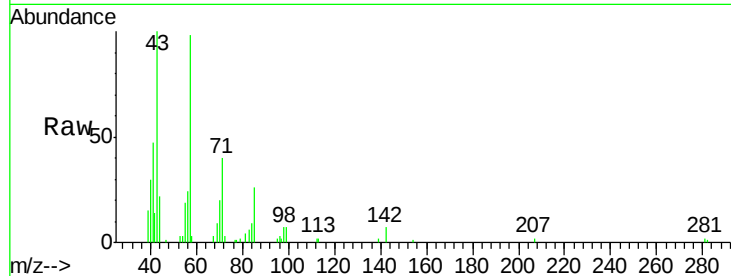
Tot Ion: 83 Resp: 723

Ion Ratio Lower Upper

83 100

131 0.0 4.4 13.2#

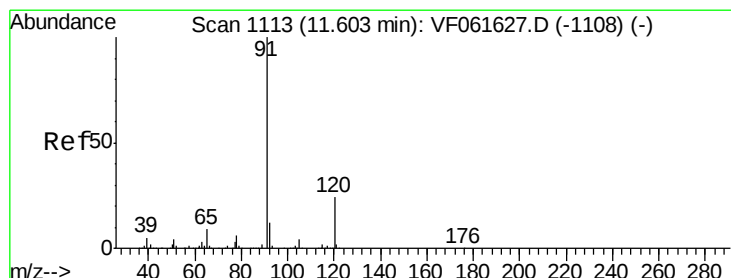
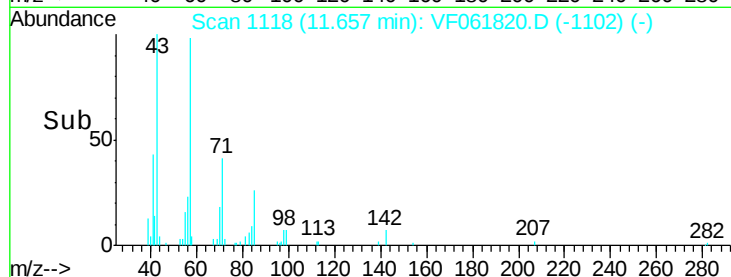
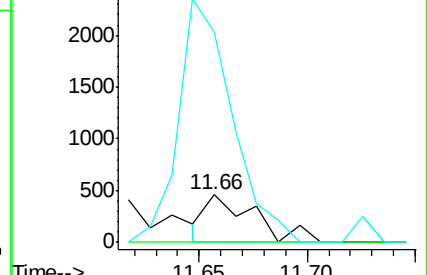
85 442.0 31.5 94.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#78

n-propylbenzene

Concen: 250.912 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061820.D

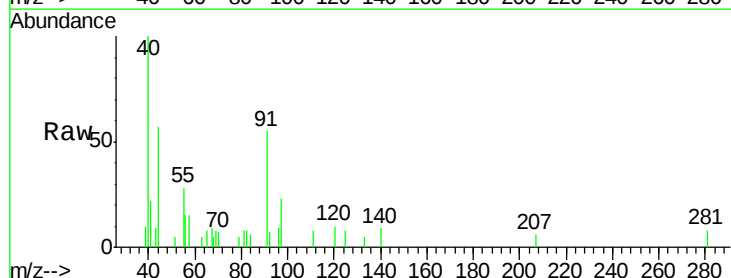
Acq: 1 Mar 2019 23:37

Tgt Ion: 91 Resp: 1968

Ion Ratio Lower Upper

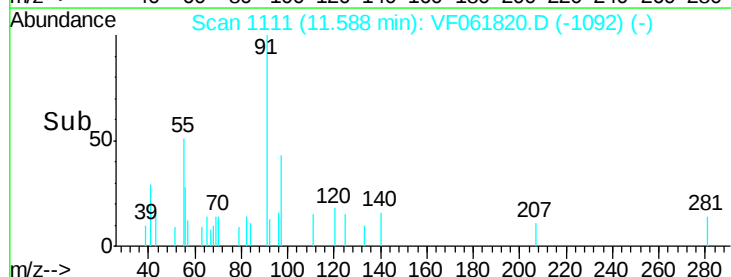
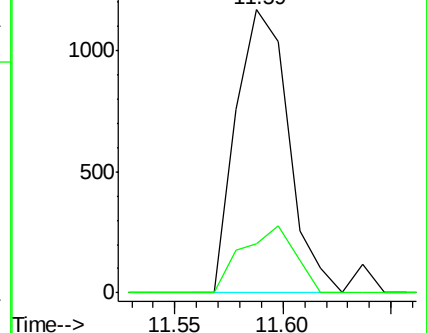
91 100

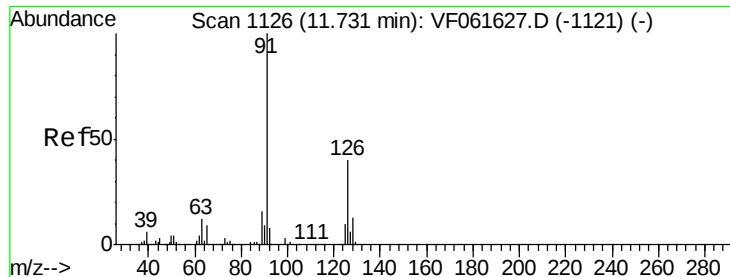
120 17.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 154.803 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

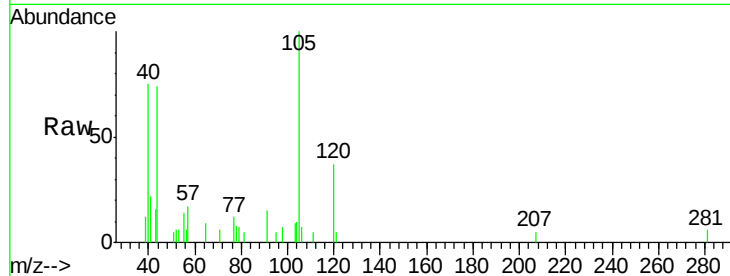
HR-06-022719-B

Tot Ion: 91 Resp: 680

Ion Ratio Lower Upper

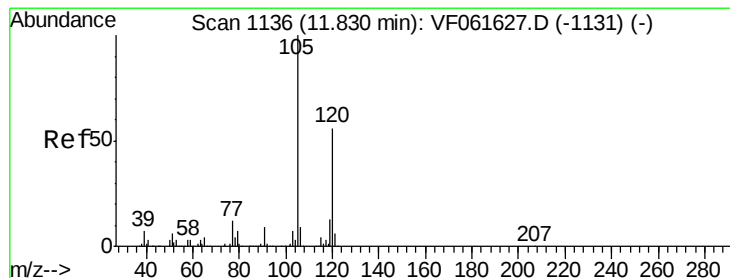
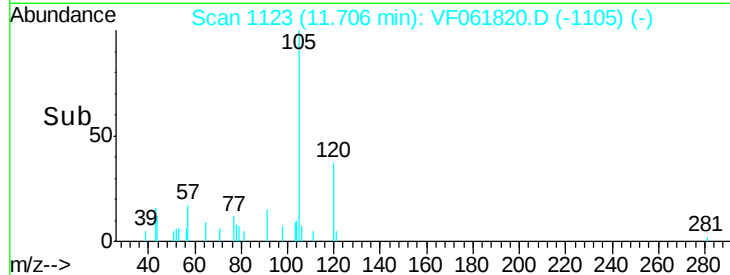
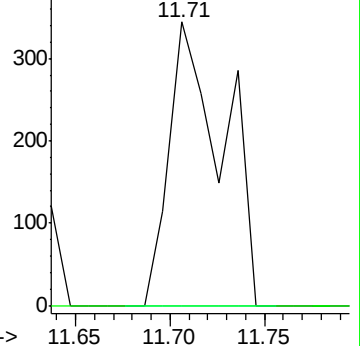
91 100

126 0.0 19.8 59.4#



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: 316.321 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061820.D

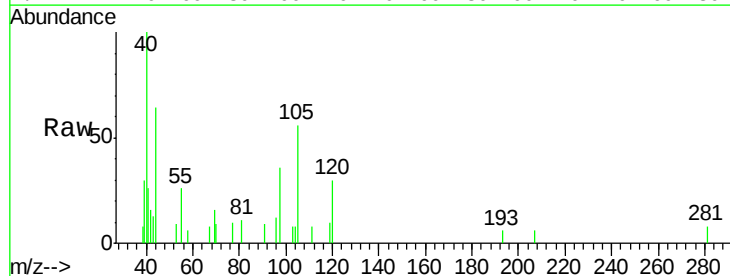
Acq: 1 Mar 2019 23:37

Tgt Ion:105 Resp: 1728

Ion Ratio Lower Upper

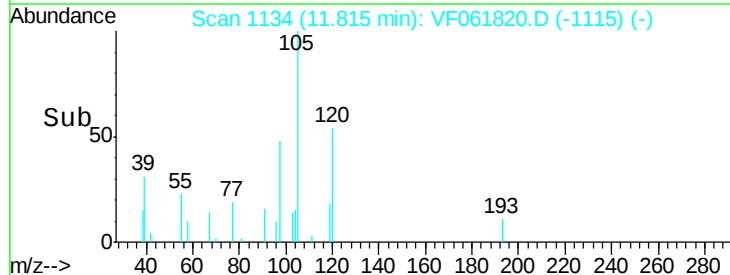
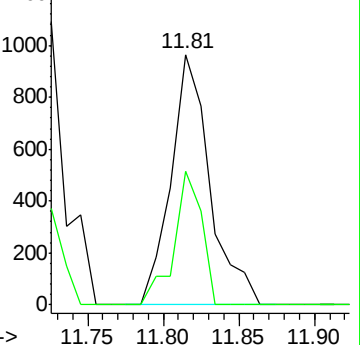
105 100

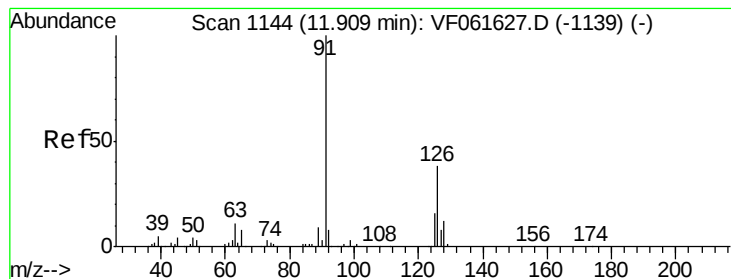
120 53.6 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: 33.777 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.04 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

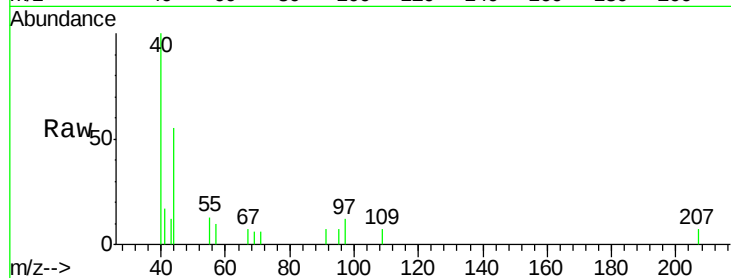
HR-06-022719-B

Tot Ion: 91 Resp: 154

Ion Ratio Lower Upper

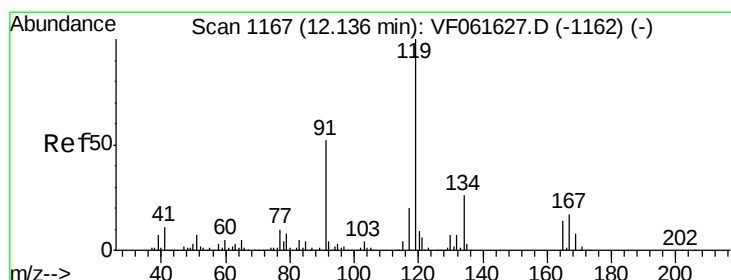
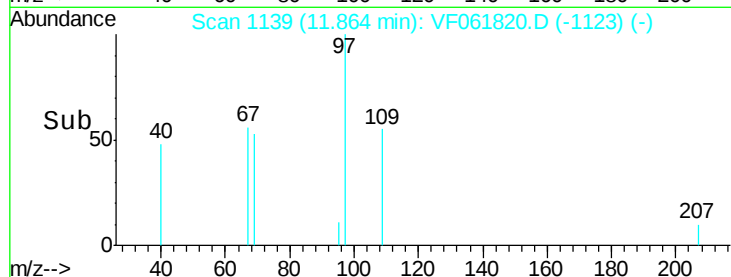
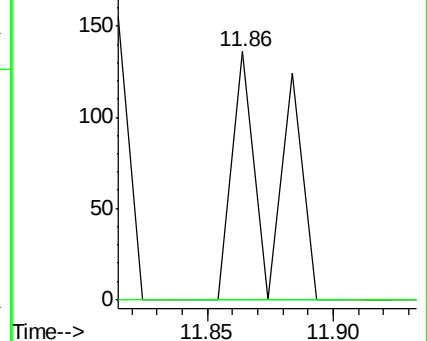
91 100

126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 28.096 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.02 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

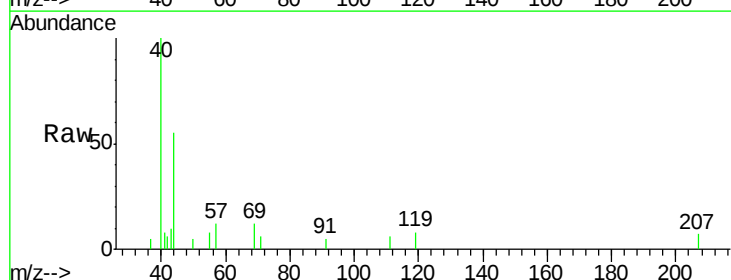
Tgt Ion: 119 Resp: 170

Ion Ratio Lower Upper

119 100

91 71.7 26.3 78.8

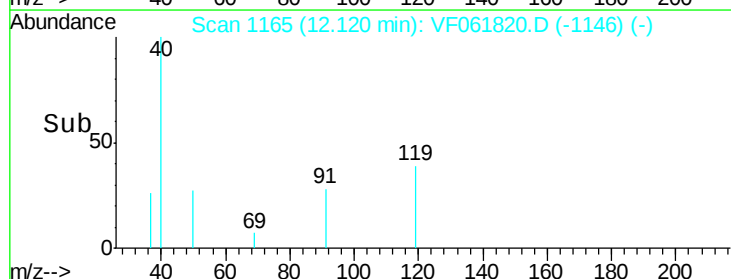
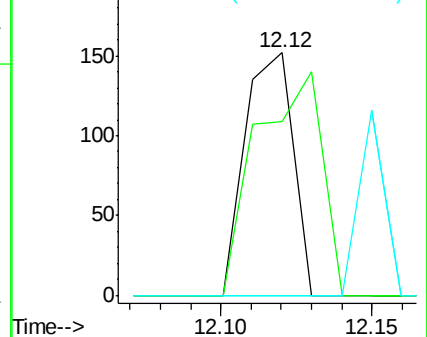
134 0.0 12.9 38.7#

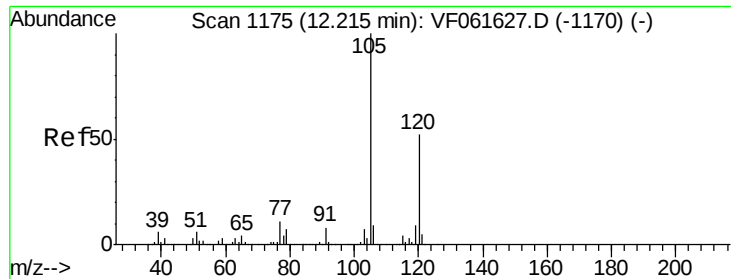


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 189.968 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061820.D

Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

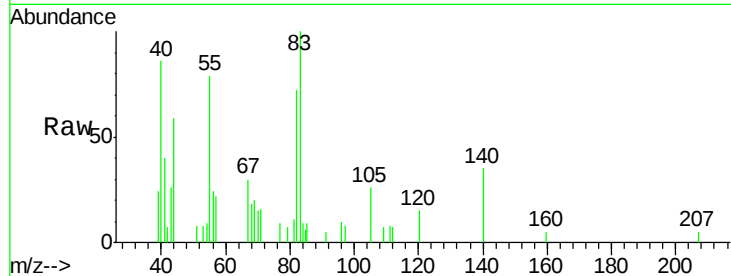
HR-06-022719-B

Tot Ion:105 Resp: 1031

Ion Ratio Lower Upper

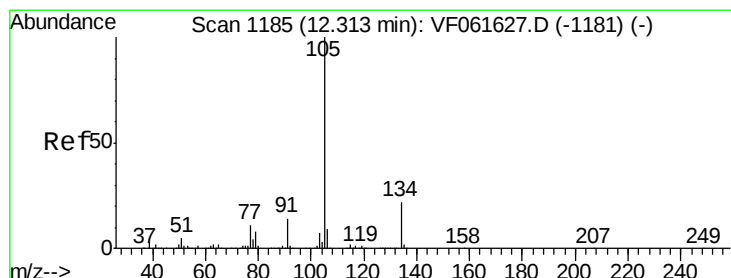
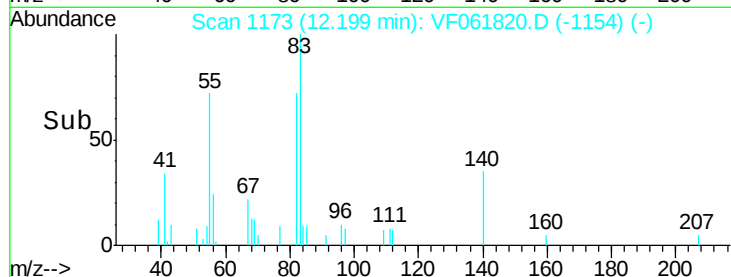
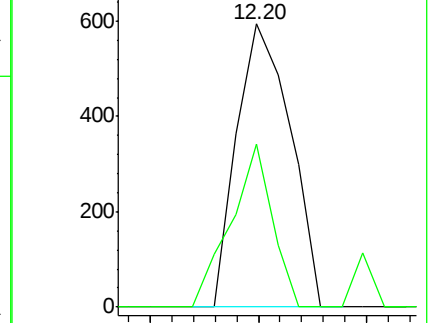
105 100

120 57.4 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 171.514 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061820.D

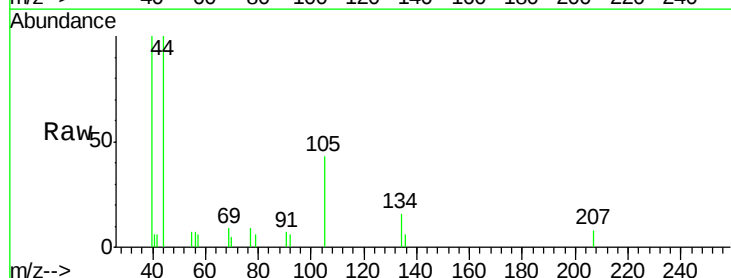
Acq: 1 Mar 2019 23:37

Tgt Ion:105 Resp: 1342

Ion Ratio Lower Upper

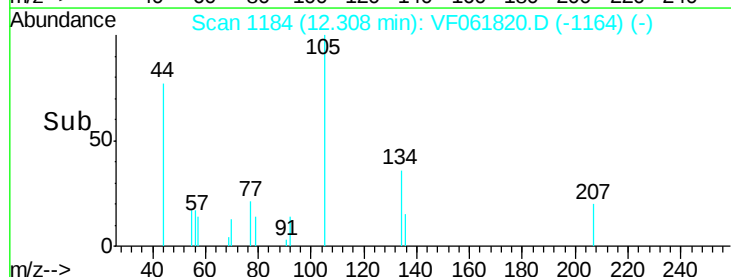
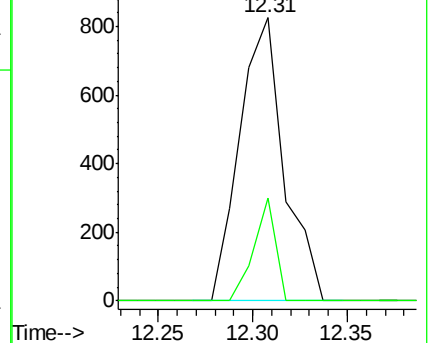
105 100

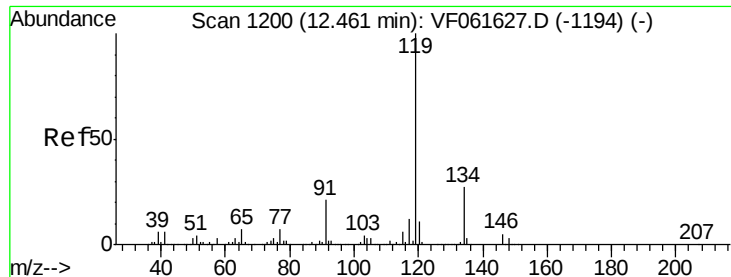
134 36.1 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

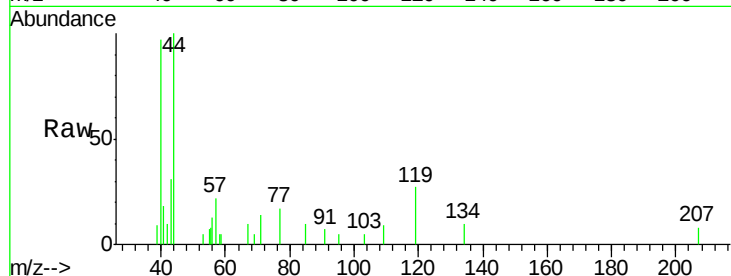




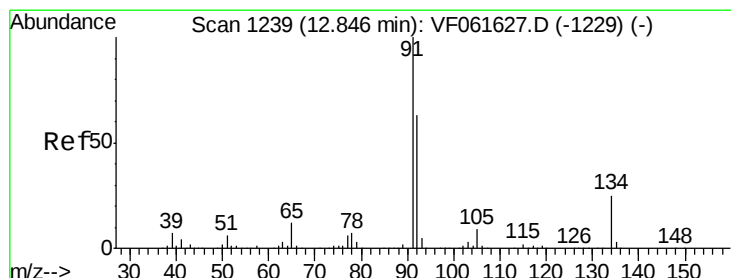
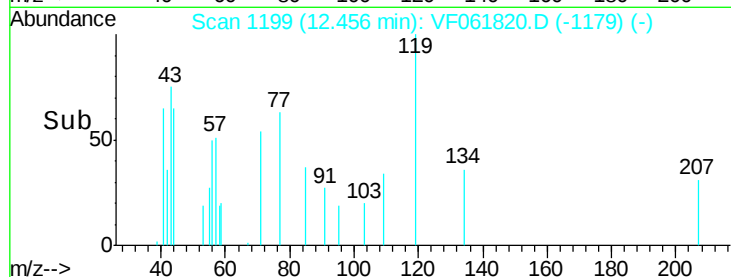
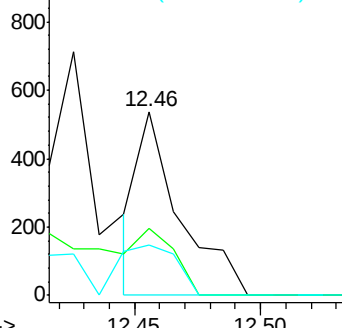
#86  
p-Isopropyltoluene  
Concen: 95.026 ug/l  
RT: 12.46 min Scan# 1199  
Delta R.T. -0.01 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
HR-06-022719-B

Tot Ion:119 Resp: 624  
Ion Ratio Lower Upper  
119 100  
134 36.4 13.7 41.1  
91 27.1 10.8 32.4

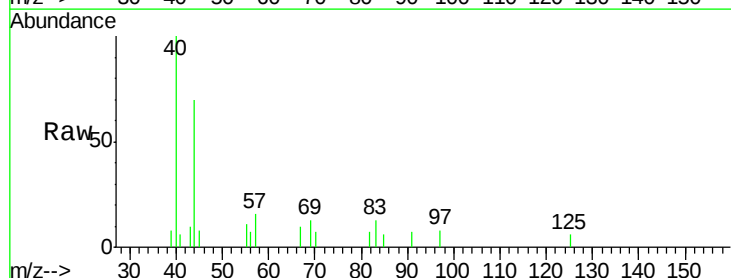


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

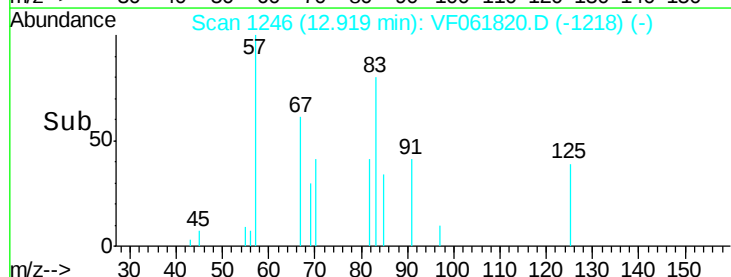
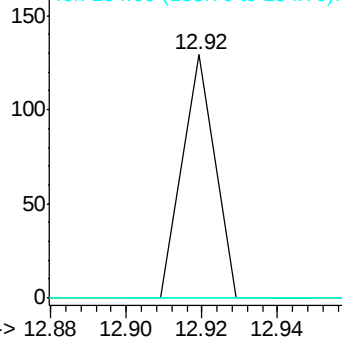


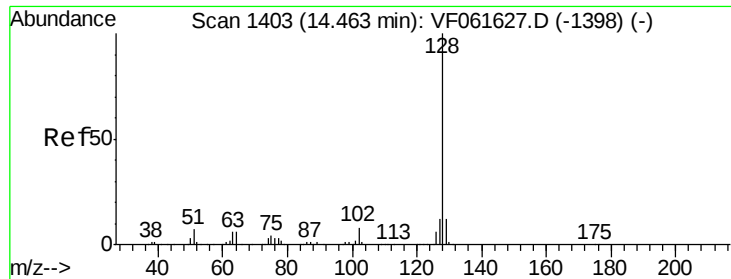
#89  
n-Butylbenzene  
Concen: 12.257 ug/l  
RT: 12.92 min Scan# 1246  
Delta R.T. 0.07 min  
Lab File: VF061820.D  
Acq: 1 Mar 2019 23:37

Tgt Ion: 91 Resp: 76  
Ion Ratio Lower Upper  
91 100  
92 0.0 31.4 94.3#  
134 0.0 12.3 36.9#



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





#95

Naphthalene

Concen: 17.318 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF061820.D

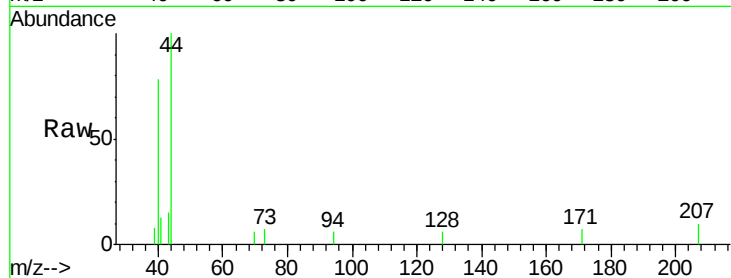
Acq: 1 Mar 2019 23:37

Instrument :

MSVOA\_F

ClientSampleId :

HR-06-022719-B



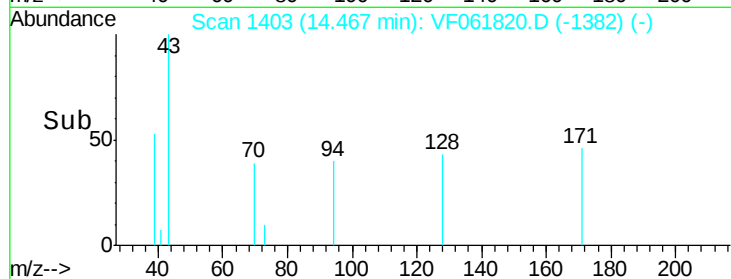
Tot Ion:128 Resp: 68

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.6#

129 0.0 9.4 14.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

