

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL090518\  
 Data File : VL032463.D  
 Acq On : 5 Sep 2018 18:52  
 Operator : SY/AP  
 Sample : J4805-01DL 10X  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-1DL

Quant Time: Sep 06 05:00:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL083118AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 31 21:33:46 2018  
 QLast Update : Fri Aug 31 21:33:46 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.80  | 49   | 1628348  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.34  | 114  | 3391568  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.29 | 117  | 3355166  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.63  | 95    | 3594965  | 14.43    | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 144.30%# |

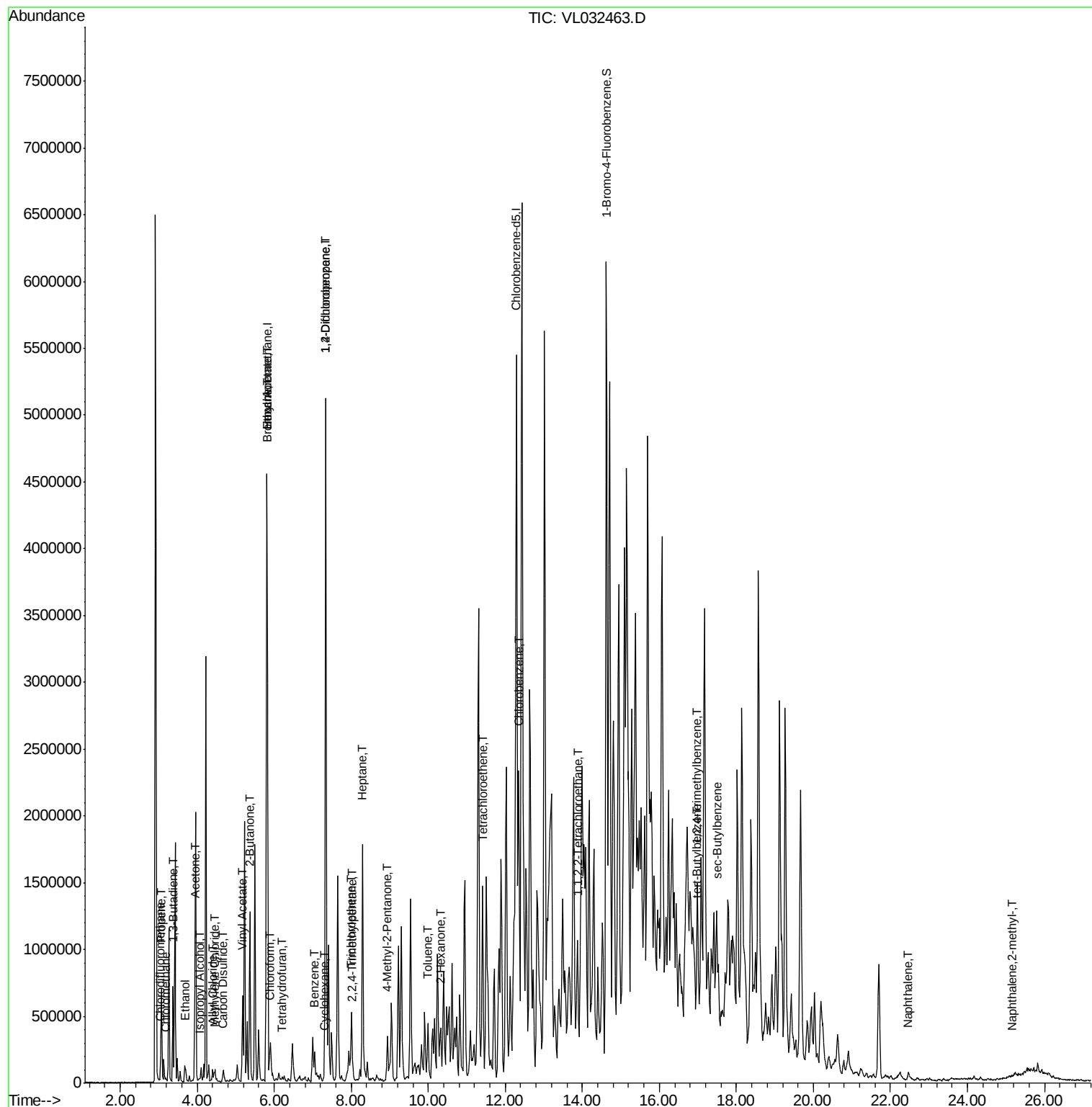
| Target Compounds              |       |     |         |              | Qvalue |
|-------------------------------|-------|-----|---------|--------------|--------|
| 3) Chlorodifluoromethane      | 3.04  | 51  | 10269   | 0.070 ppbv   | 96     |
| 4) Chloromethane              | 3.19  | 50  | 4017    | 0.045 ppbv # | 73     |
| 9) Propene                    | 3.06  | 41  | 272646  | 4.585 ppbv   | 89     |
| 10) Heptane                   | 8.29  | 43  | 827805  | 3.881 ppbv   | 100    |
| 13) Ethanol                   | 3.68  | 45  | 137852  | 7.438 ppbv   | 98     |
| 15) Acetone                   | 3.94  | 43  | 467265  | 3.187 ppbv # | 63     |
| 16) 1,3-Butadiene             | 3.37  | 39  | 195692  | 2.836 ppbv # | 17     |
| 19) Isopropyl Alcohol         | 4.06  | 45  | 5195    | 0.054 ppbv # | 1      |
| 20) Methylene Chloride        | 4.44  | 84  | 23768   | 0.425 ppbv   | 96     |
| 21) Allyl Chloride            | 4.40  | 41  | 11530   | 0.118 ppbv # | 19     |
| 23) Vinyl Acetate             | 5.18  | 43  | 288000  | 1.185 ppbv # | 30     |
| 25) Ethyl Acetate             | 5.82  | 43  | 990608  | 2.861 ppbv # | 76     |
| 26) Hexane                    | 5.82  | 57  | 1395624 | 9.001 ppbv # | 45     |
| 27) Carbon Disulfide          | 4.66  | 76  | 25997   | 0.182 ppbv # | 70     |
| 29) Chloroform                | 5.89  | 83  | 128515  | 0.544 ppbv   | 99     |
| 30) Cyclohexane               | 7.29  | 84  | 3477    | 0.031 ppbv # | 1      |
| 34) 2-Butanone                | 5.37  | 43  | 1409885 | 6.258 ppbv   | 100    |
| 36) Benzene                   | 7.05  | 78  | 162823  | 0.564 ppbv   | 96     |
| 38) Trichloroethene           | 8.01  | 130 | 141821  | 1.294 ppbv   | 93     |
| 39) 1,2-Dichloropropane       | 7.34  | 63  | 907174  | 7.346 ppbv # | 26     |
| 41) Tetrahydrofuran           | 6.20  | 42  | 8537    | 0.070 ppbv # | 33     |
| 44) 2,2,4-Trimethylpentane    | 8.04  | 57  | 16964   | 0.030 ppbv # | 1      |
| 50) 4-Methyl-2-Pentanone      | 8.93  | 43  | 32084   | 0.095 ppbv # | 47     |
| 51) 2-Hexanone                | 10.32 | 43  | 336186  | 1.538 ppbv # | 76     |
| 52) Tetrachloroethene         | 11.41 | 164 | 3337    | 0.037 ppbv # | 45     |
| 53) Toluene                   | 10.00 | 91  | 183099  | 0.607 ppbv   | 98     |
| 57) Chlorobenzene             | 12.35 | 112 | 92796   | 0.346 ppbv # | 29     |
| 63) 1,1,2,2-Tetrachloroethane | 13.87 | 83  | 13351   | 0.042 ppbv # | 96     |
| 65) tert-Butylbenzene         | 16.96 | 119 | 19169   | 0.045 ppbv # | 36     |
| 67) sec-Butylbenzene          | 17.50 | 105 | 21392   | 0.033 ppbv # | 31     |
| 74) 1,2,4-Trimethylbenzene    | 16.97 | 105 | 14283   | 0.034 ppbv # | 65     |
| 79) Naphthalene               | 22.47 | 128 | 26628   | 0.078 ppbv   | 97     |
| 80) Naphthalene,2-methyl-     | 25.17 | 142 | 4538    | 0.050 ppbv # | 93     |

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 31 21:33:46 2018  
QLast Update : Fri Aug 31 21:33:46 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampled :

VP-1DL

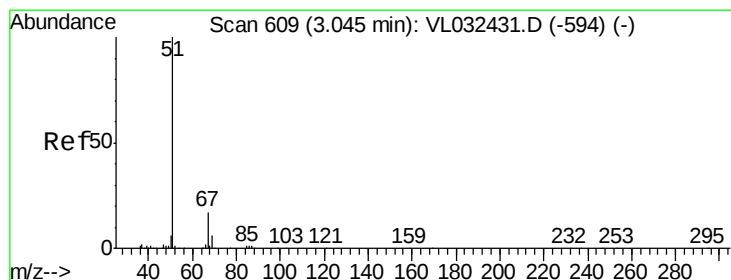
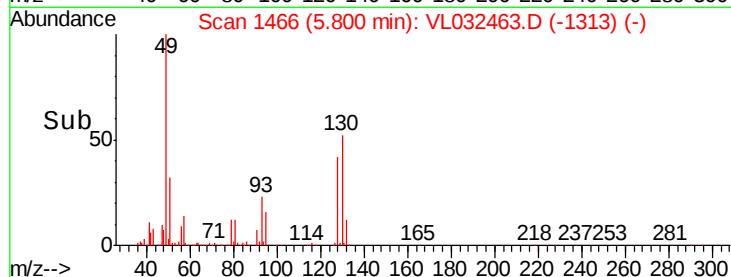
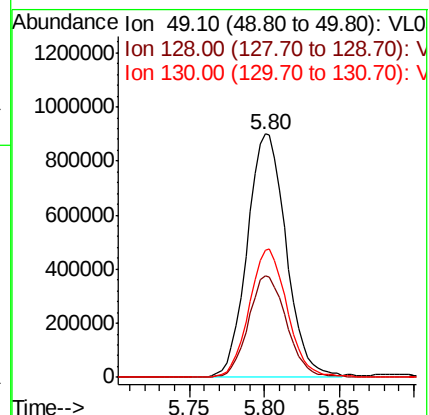
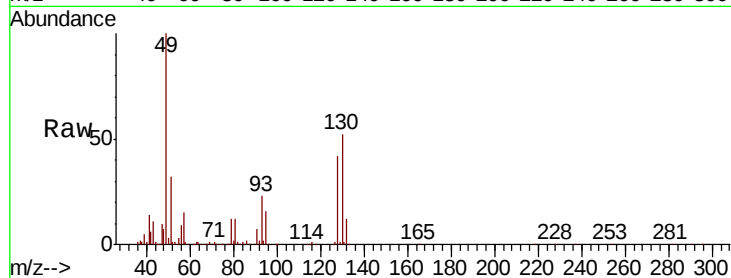
Tgt Ion: 49 Resp: 1628348

Ion Ratio Lower Upper

49 100

128 41.4 20.7 62.1

130 52.0 26.6 79.7



#3

Chlorodifluoromethane

Concen: 0.070 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.01 min

Lab File: VL032463.D

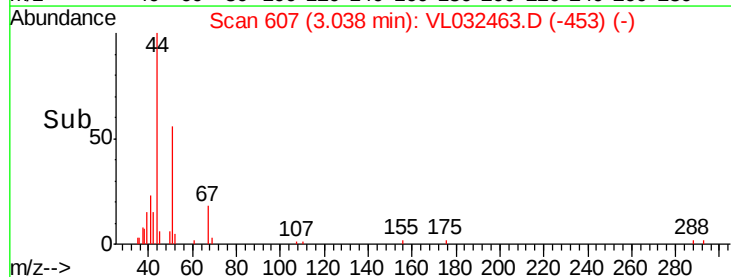
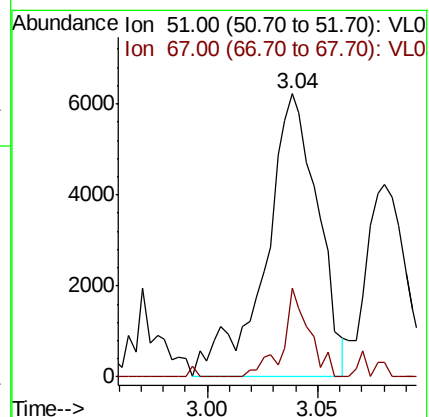
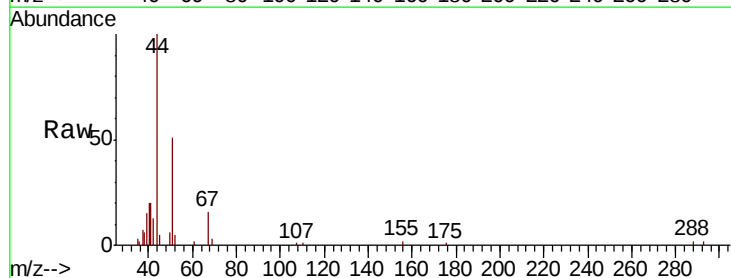
Acq: 5 Sep 2018 18:52

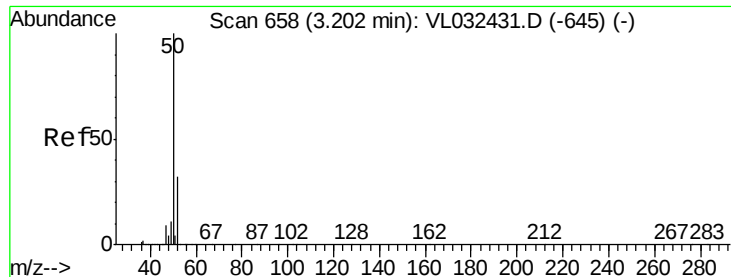
Tgt Ion: 51 Resp: 10269

Ion Ratio Lower Upper

51 100

67 15.7 13.8 20.8





#4

Chloromethane

Concen: 0.045 ppbv

RT: 3.19 min Scan# 655

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampled :

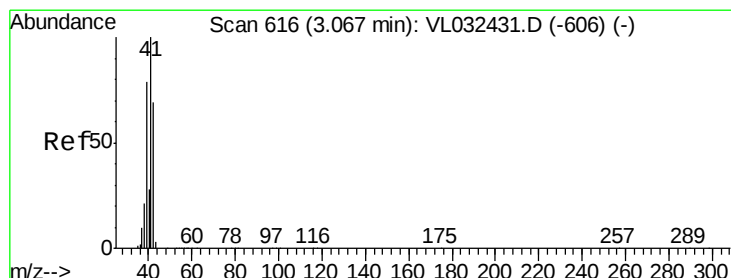
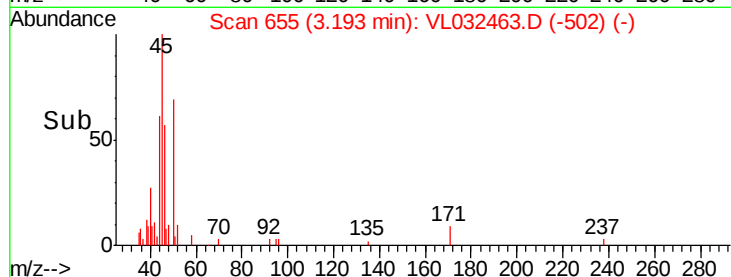
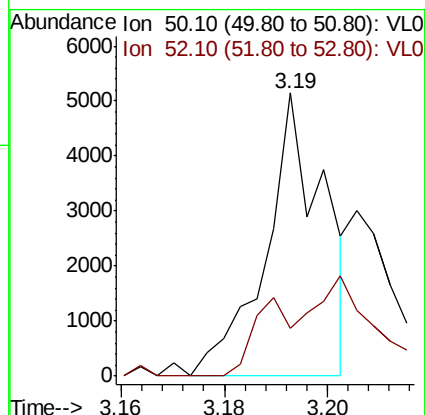
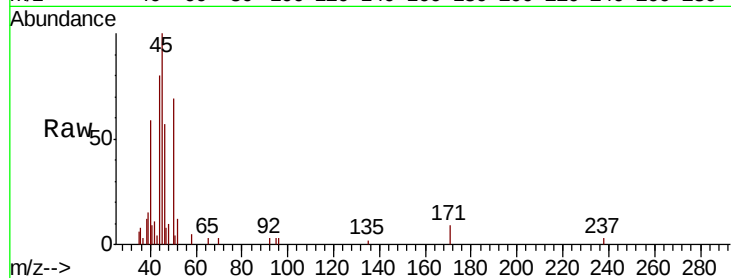
VP-1DL

Tgt Ion: 50 Resp: 4017

Ion Ratio Lower Upper

50 100

52 16.7 25.6 38.4#



#9

Propene

Concen: 4.585 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032463.D

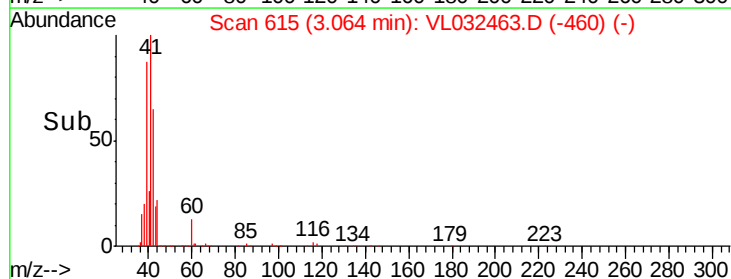
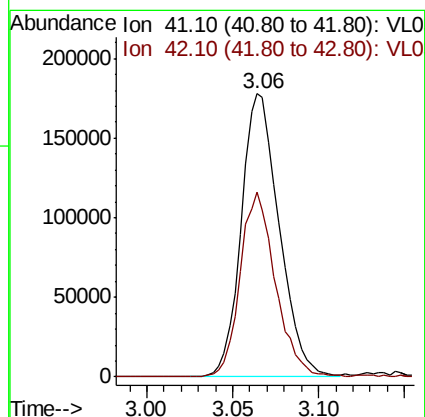
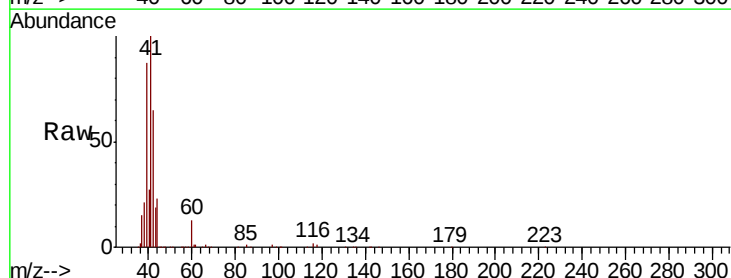
Acq: 5 Sep 2018 18:52

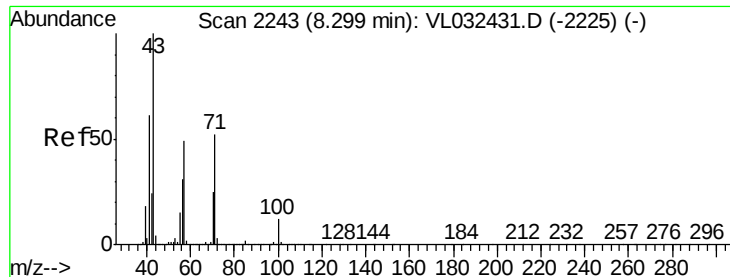
Tgt Ion: 41 Resp: 272646

Ion Ratio Lower Upper

41 100

42 61.5 56.6 84.8

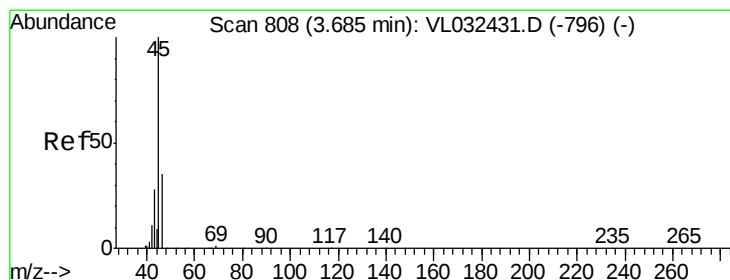
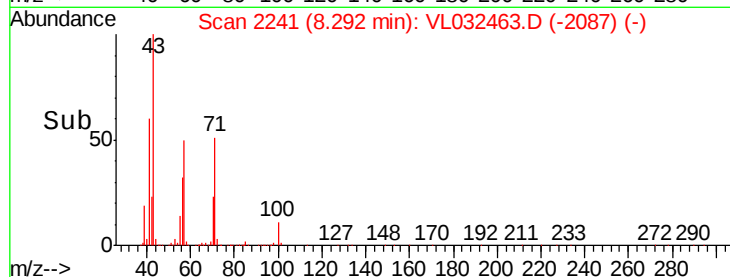
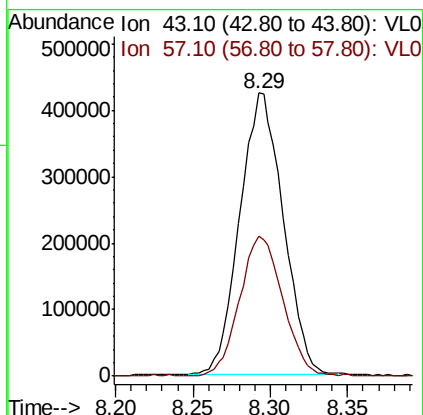
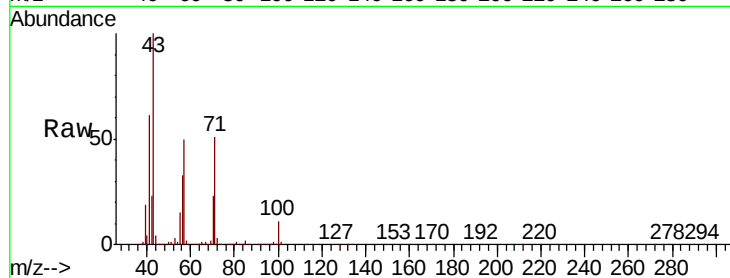




#10  
Heptane  
Concen: 3.881 ppbv  
RT: 8.29 min Scan# 2241  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

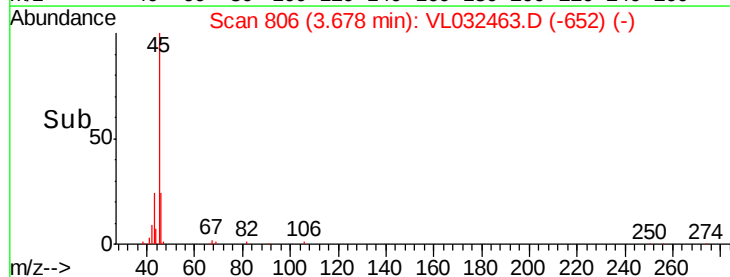
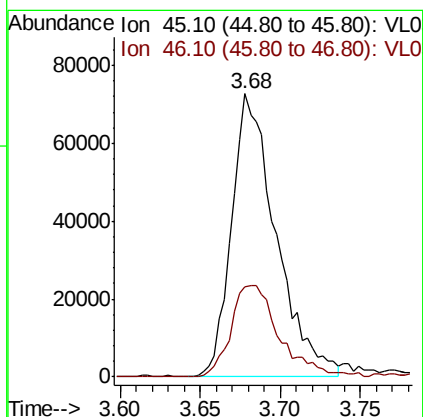
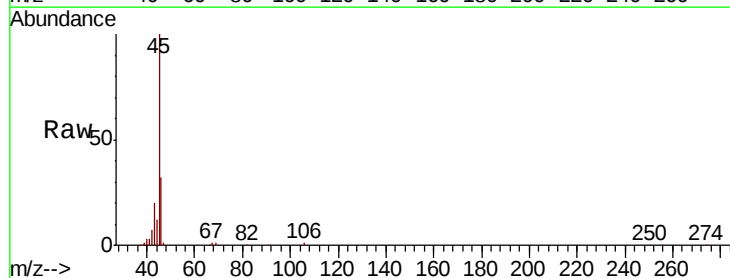
Instrument :  
MSVOA\_L  
ClientSampleID :  
VP-1DL

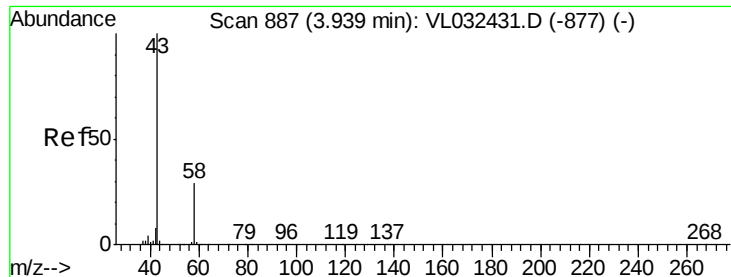
Tgt Ion: 43 Resp: 827805  
Ion Ratio Lower Upper  
43 100  
57 49.7 39.6 59.4



#13  
Ethanol  
Concen: 7.438 ppbv  
RT: 3.68 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

Tgt Ion: 45 Resp: 137852  
Ion Ratio Lower Upper  
45 100  
46 36.4 14.2 56.8





#15

Acetone

Concen: 3.187 ppbv

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

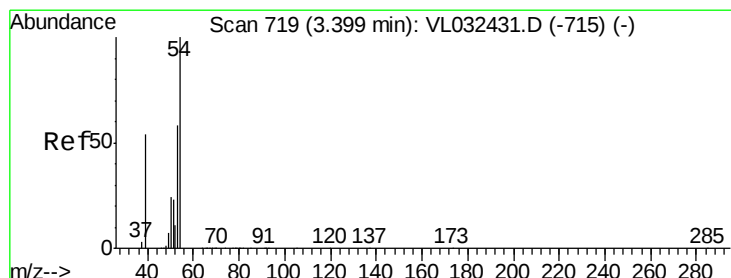
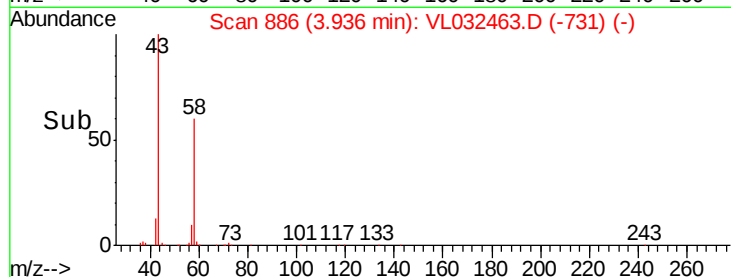
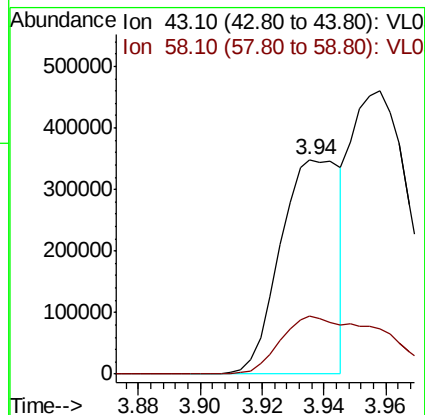
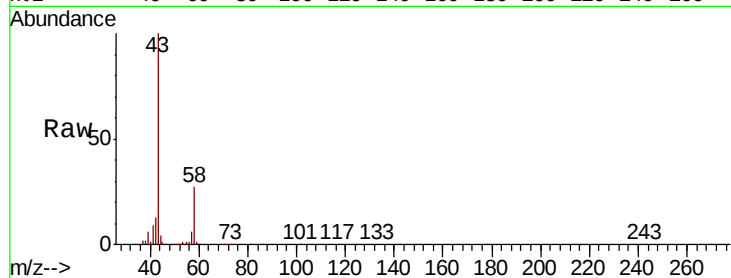
VP-1DL

Tgt Ion: 43 Resp: 467265

Ion Ratio Lower Upper

43 100

58 47.7 22.6 33.8#



#16

1,3-Butadiene

Concen: 2.836 ppbv

RT: 3.37 min Scan# 711

Delta R.T. -0.03 min

Lab File: VL032463.D

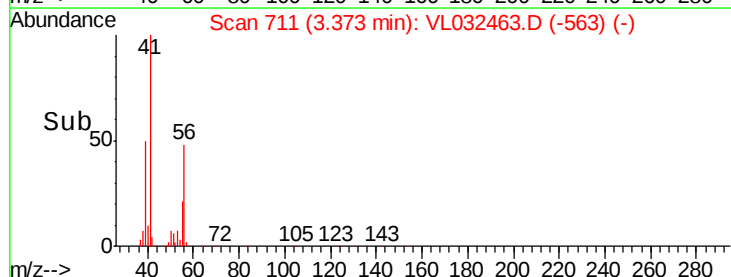
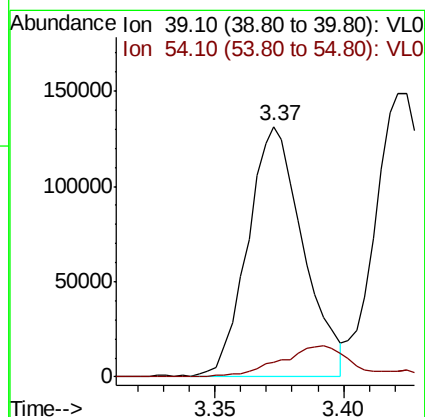
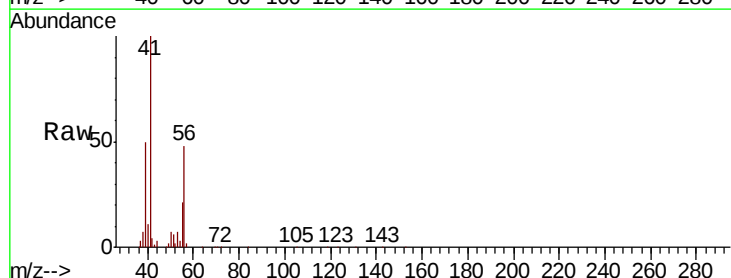
Acq: 5 Sep 2018 18:52

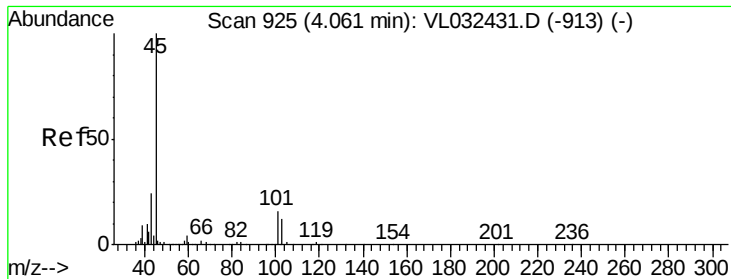
Tgt Ion: 39 Resp: 195692

Ion Ratio Lower Upper

39 100

54 17.2 80.8 121.2#





#19

Isopropyl Alcohol

Concen: 0.054 ppbv

RT: 4.06 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

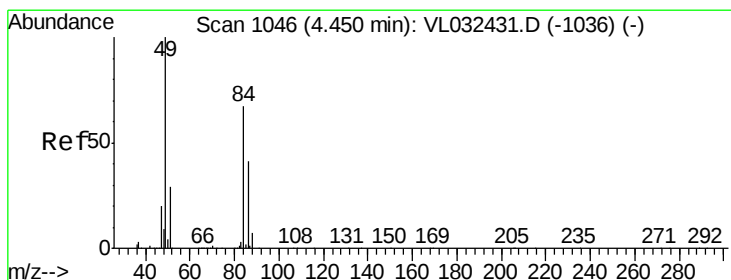
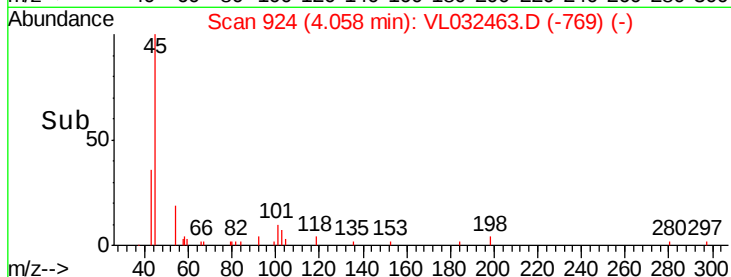
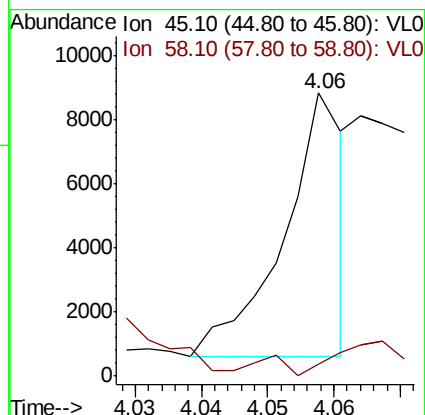
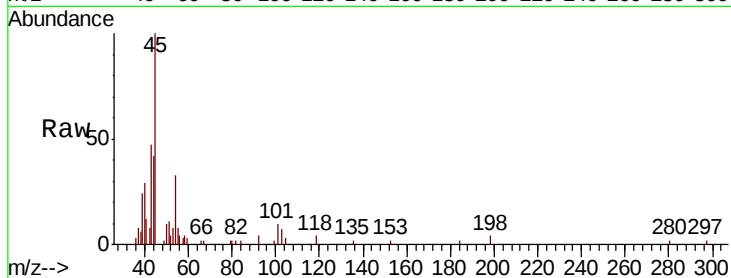
VP-1DL

Tgt Ion: 45 Resp: 5195

Ion Ratio Lower Upper

45 100

58 4286.8 2.0 3.0#



#20

Methylene Chloride

Concen: 0.425 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Tgt Ion: 84 Resp: 23768

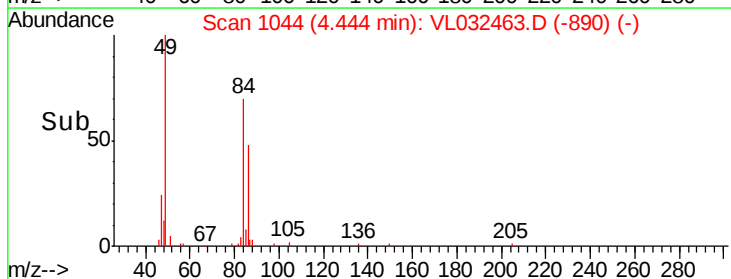
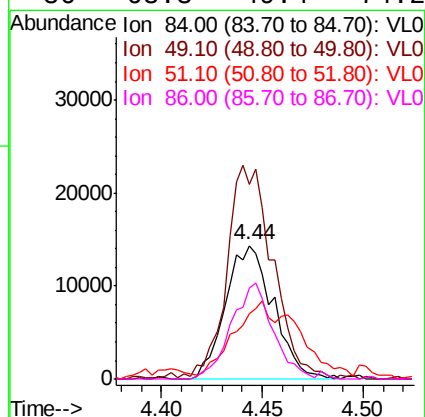
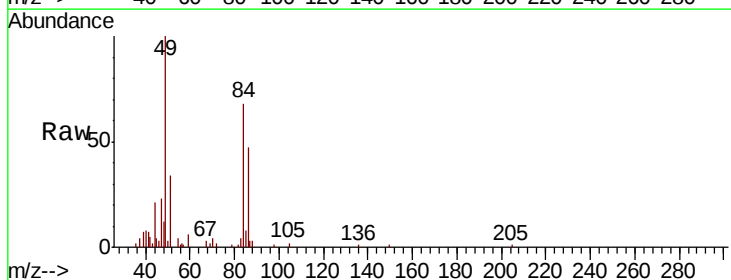
Ion Ratio Lower Upper

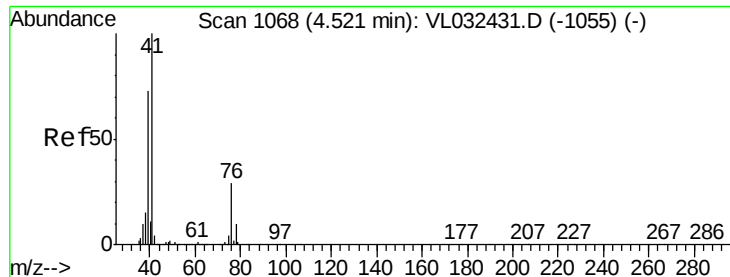
84 100

49 144.7 119.1 178.7

51 45.8 35.2 52.8

86 68.3 49.4 74.2

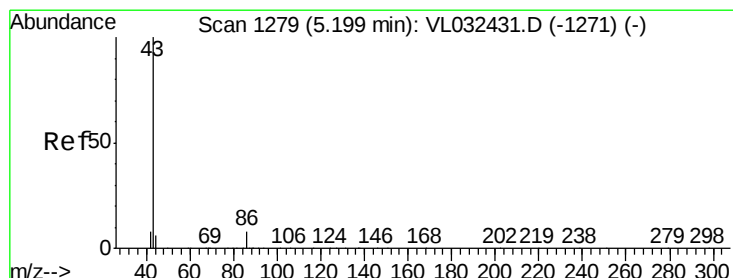
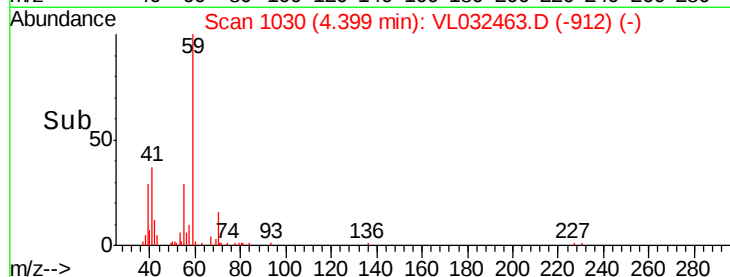
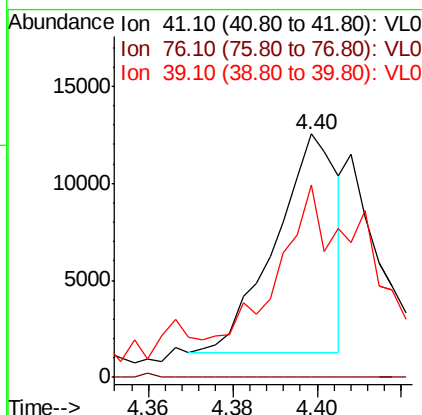
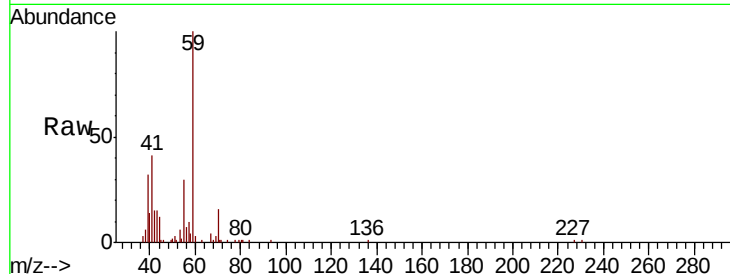




#21  
 Allyl Chloride  
 Concen: 0.118 ppbv  
 RT: 4.40 min Scan# 1030  
 Delta R.T. -0.12 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

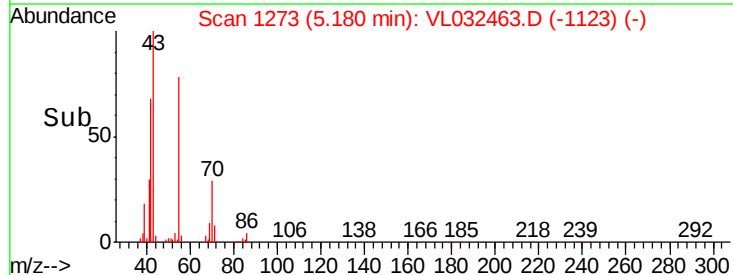
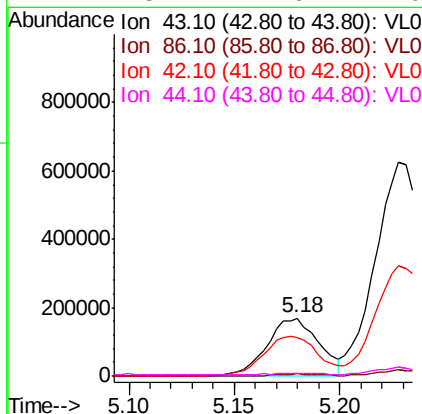
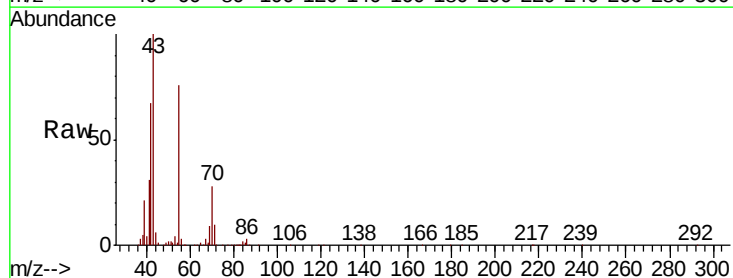
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-1DL

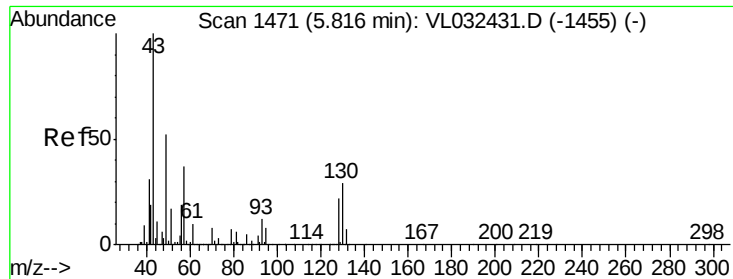
Tgt Ion: 41 Resp: 11530  
 Ion Ratio Lower Upper  
 41 100  
 76 0.0 23.6 35.4#  
 39 148.8 57.7 86.5#



#23  
 Vinyl Acetate  
 Concen: 1.185 ppbv  
 RT: 5.18 min Scan# 1273  
 Delta R.T. -0.02 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

Tgt Ion: 43 Resp: 288000  
 Ion Ratio Lower Upper  
 43 100  
 86 3.4 5.9 8.9#  
 42 66.4 6.9 10.3#  
 44 3.1 4.6 7.0#

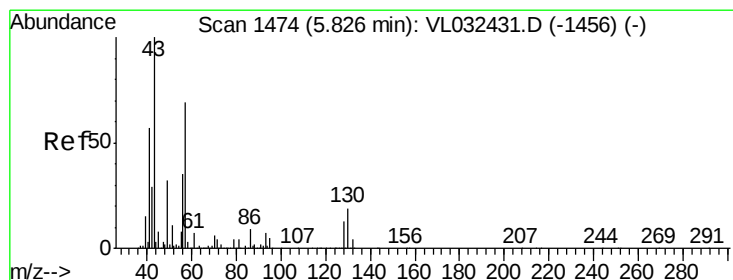
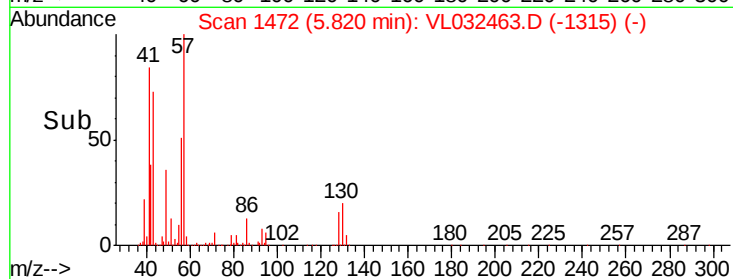
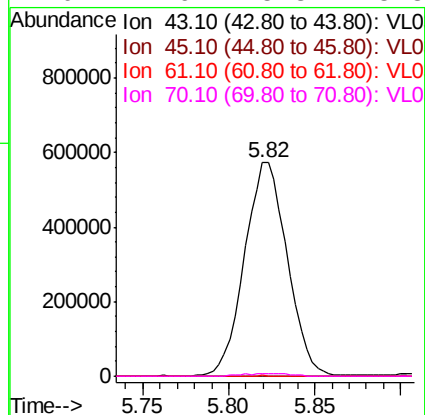
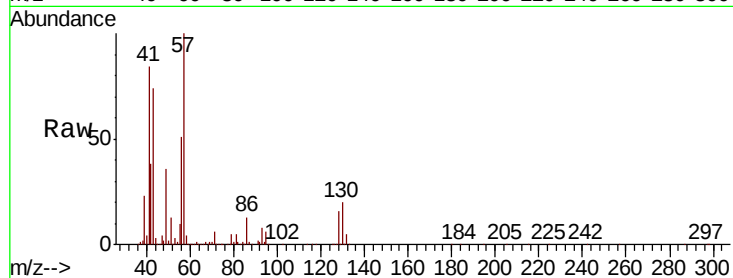




#25  
Ethyl Acetate  
Concen: 2.861 ppbv  
RT: 5.82 min Scan# 1472  
Delta R.T. 0.00 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

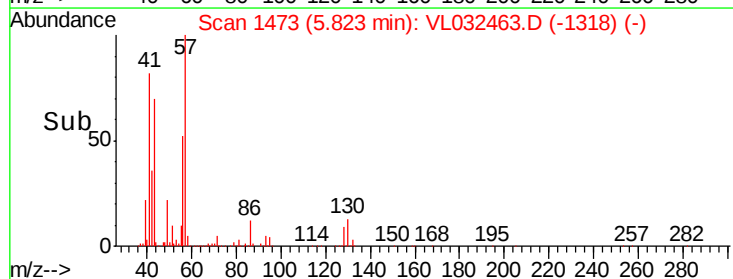
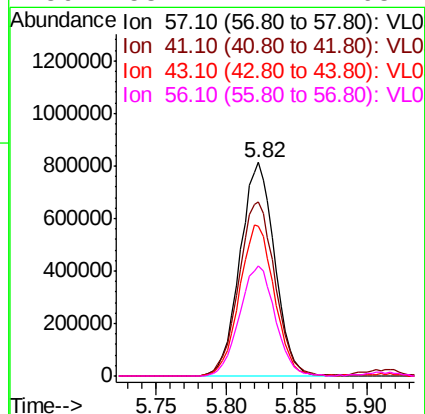
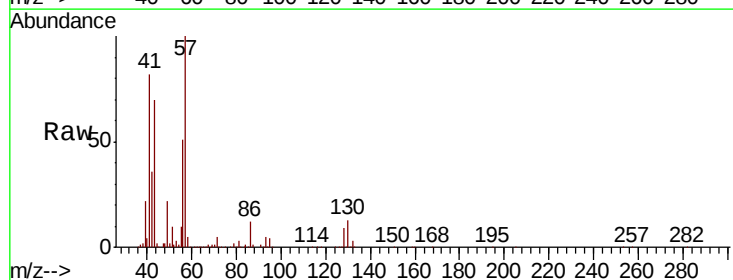
Instrument :  
MSVOA\_L  
ClientSampleId :  
VP-1DL

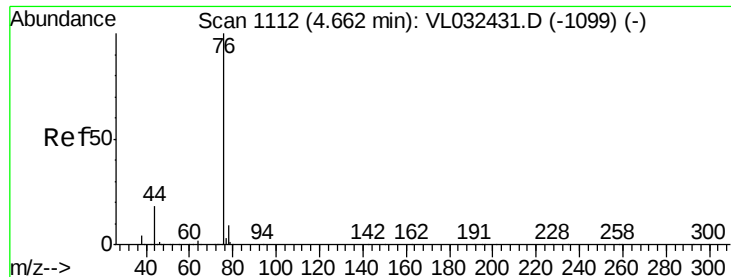
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 990608 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 0.0   | 8.0   | 12.0#  |
| 61       | 0.3   | 7.6   | 11.4#  |
| 70       | 1.6   | 5.8   | 8.8#   |



#26  
Hexane  
Concen: 9.001 ppbv  
RT: 5.82 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 57    | Resp: | 1395624 |
| Ion      | Ratio | Lower | Upper   |
| 57       | 100   |       |         |
| 41       | 85.7  | 69.0  | 103.4   |
| 43       | 71.2  | 172.1 | 258.1#  |
| 56       | 53.2  | 42.2  | 63.2    |





#27

Carbon Disulfide

Concen: 0.182 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

VP-1DL

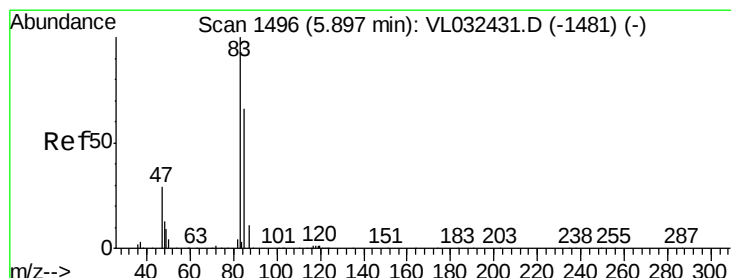
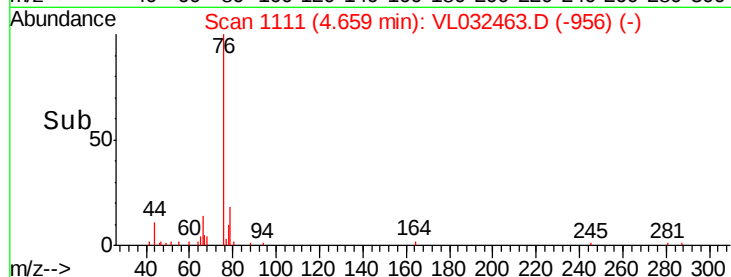
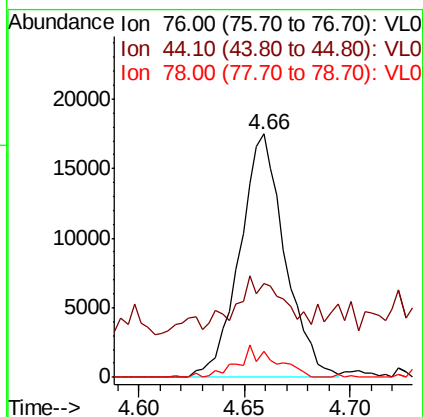
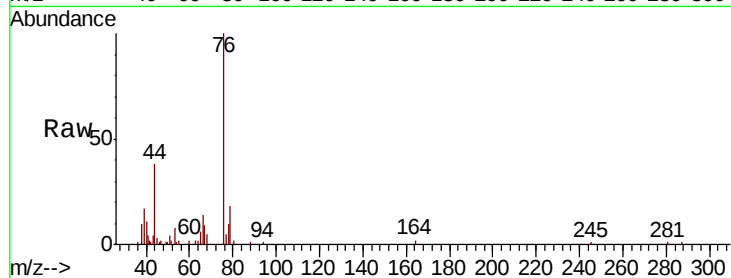
Tgt Ion: 76 Resp: 25997

Ion Ratio Lower Upper

76 100

44 36.4 14.0 21.0#

78 11.3 7.5 11.3



#29

Chloroform

Concen: 0.544 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL032463.D

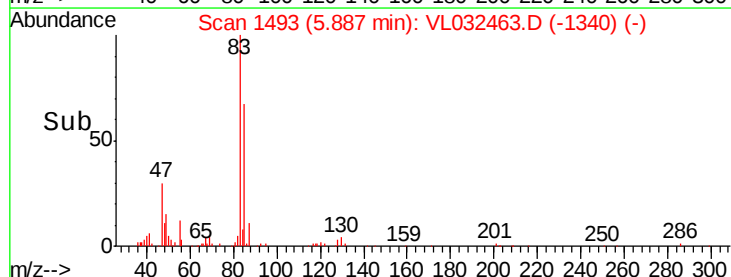
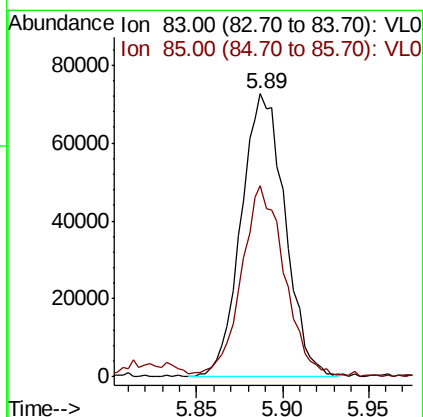
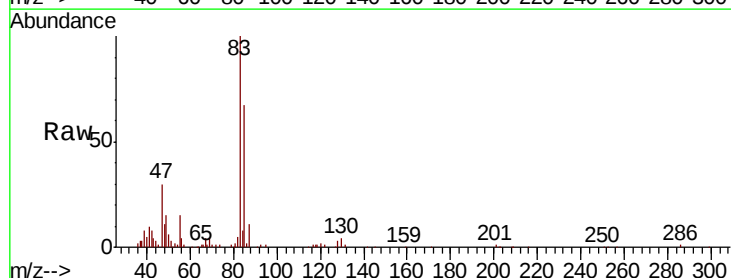
Acq: 5 Sep 2018 18:52

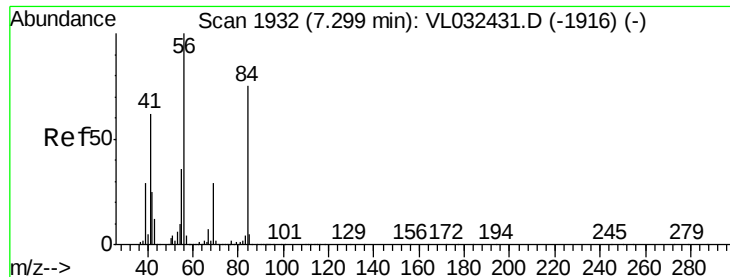
Tgt Ion: 83 Resp: 128515

Ion Ratio Lower Upper

83 100

85 66.4 52.5 78.7

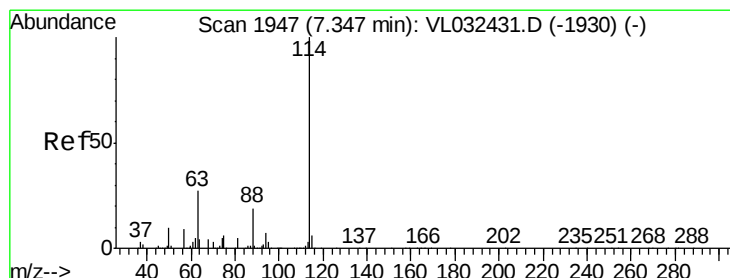
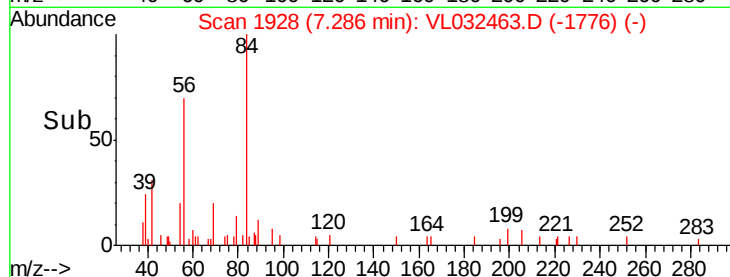
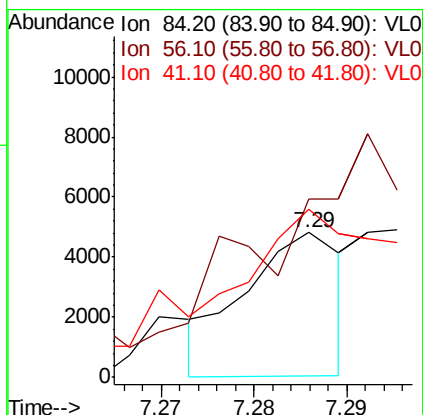
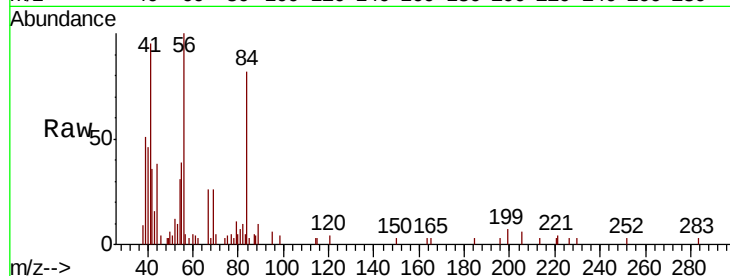




#30  
Cyclohexane  
Concen: 0.031 ppbv  
RT: 7.29 min Scan# 1928  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

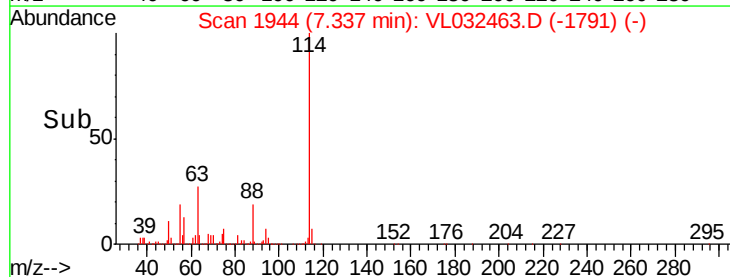
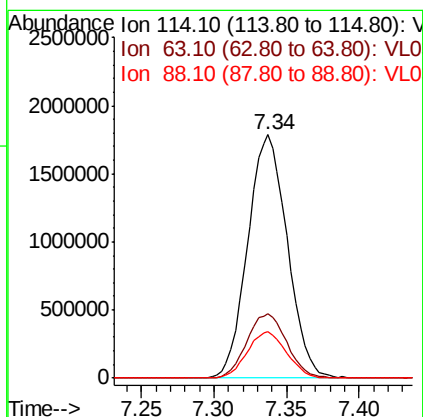
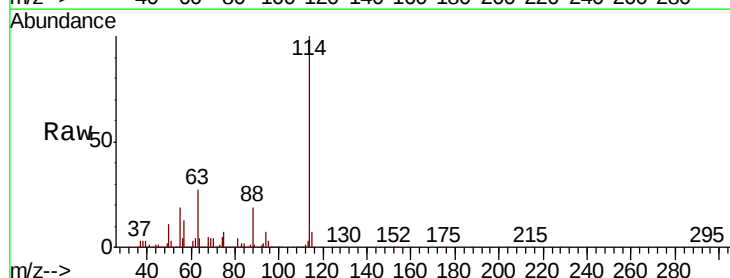
Instrument :  
MSVOA\_L  
ClientSampleId :  
VP-1DL

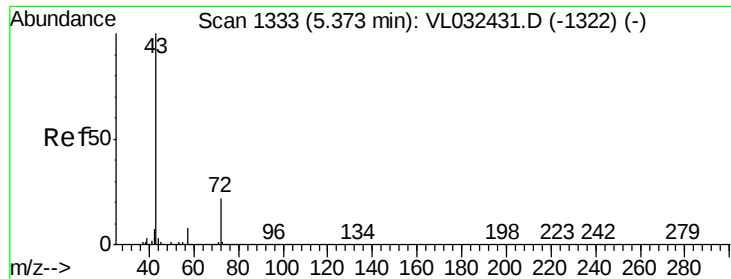
Tgt Ion: 84 Resp: 3477  
Ion Ratio Lower Upper  
84 100  
56 0.0 113.5 170.3#  
41 0.0 68.1 102.1#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.34 min Scan# 1944  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

Tgt Ion: 114 Resp: 3391568  
Ion Ratio Lower Upper  
114 100  
63 27.0 22.2 33.4  
88 19.0 15.0 22.4

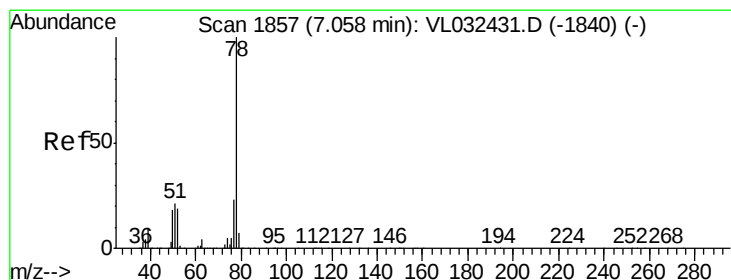
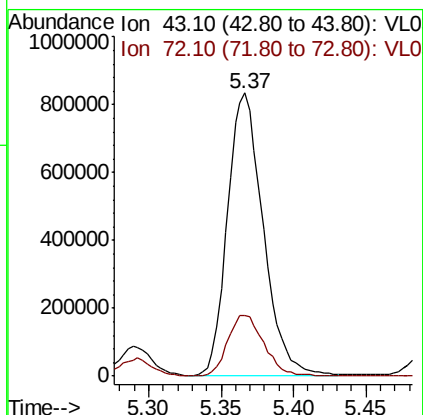
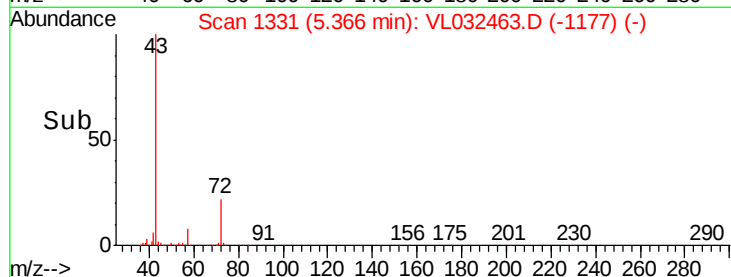
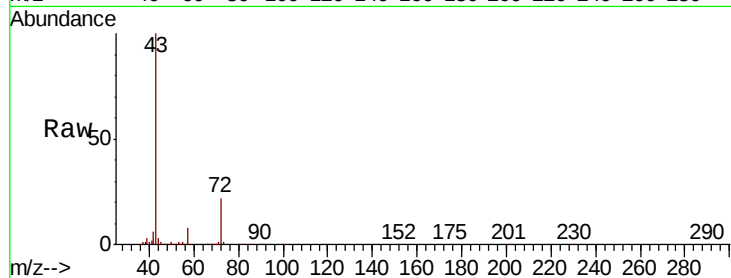




#34  
 2-Butanone  
 Concen: 6.258 ppbv  
 RT: 5.37 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

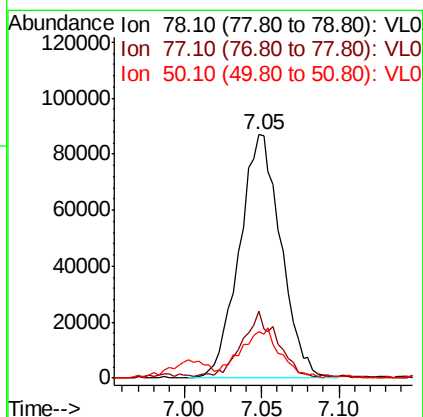
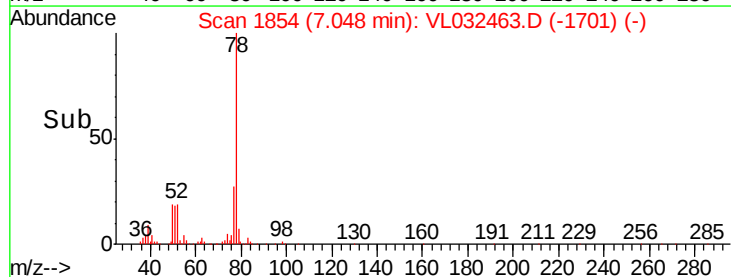
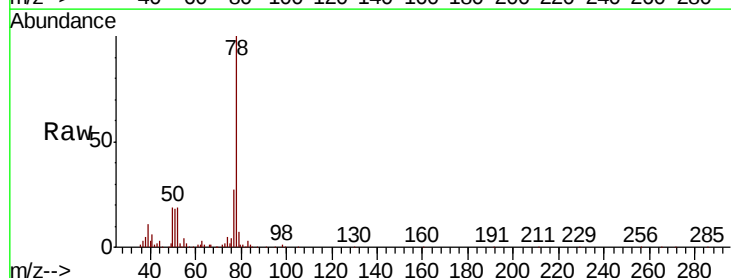
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-1DL

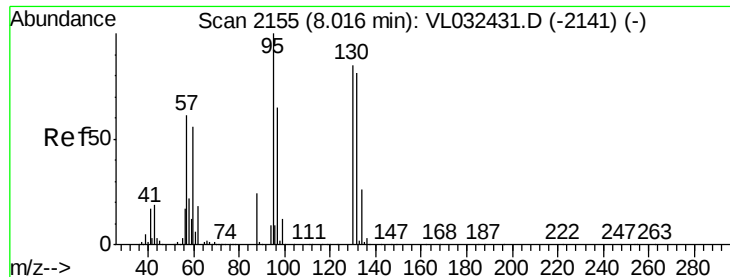
Tgt Ion: 43 Resp: 1409885  
 Ion Ratio Lower Upper  
 43 100  
 72 22.1 17.8 26.6



#36  
 Benzene  
 Concen: 0.564 ppbv  
 RT: 7.05 min Scan# 1854  
 Delta R.T. -0.01 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

Tgt Ion: 78 Resp: 162823  
 Ion Ratio Lower Upper  
 78 100  
 77 26.7 18.4 27.6  
 50 18.2 14.4 21.6





#38

Trichloroethene

Concen: 1.294 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

VP-1DL

Tgt Ion:130 Resp: 141821

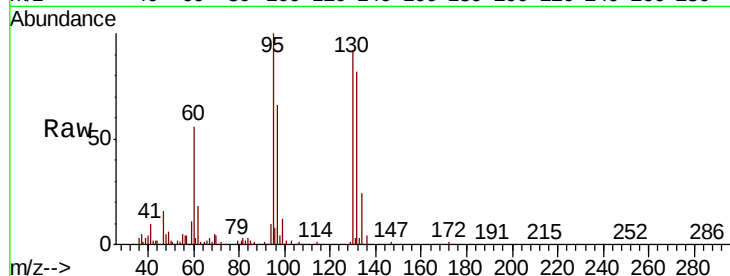
Ion Ratio Lower Upper

130 100

95 108.0 94.2 141.4

132 89.4 76.2 114.4

97 71.9 60.8 91.2

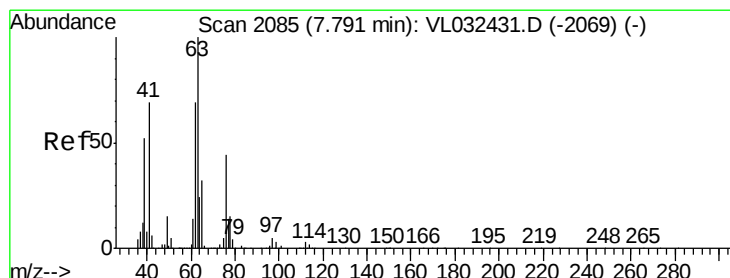
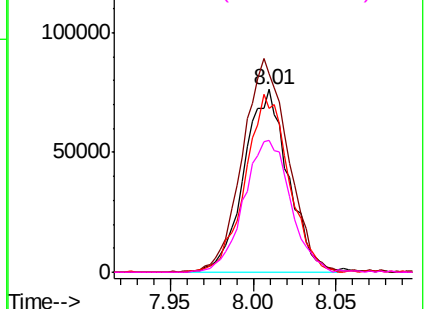
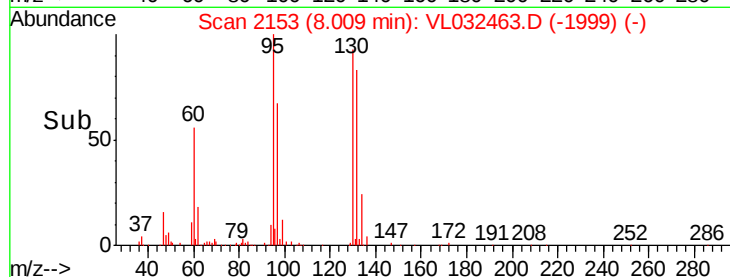


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.346 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

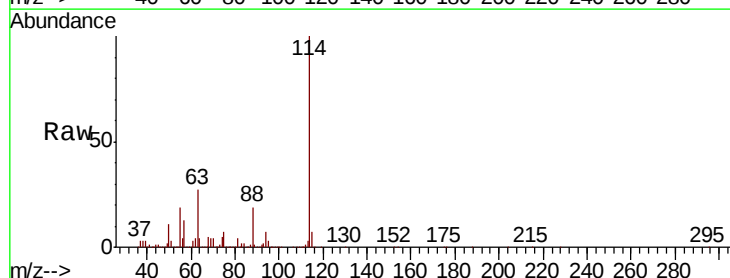
Tgt Ion: 63 Resp: 907174

Ion Ratio Lower Upper

63 100

41 1.4 55.4 83.0#

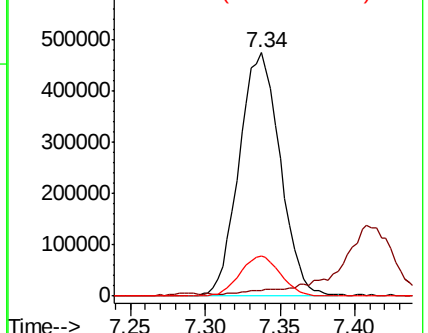
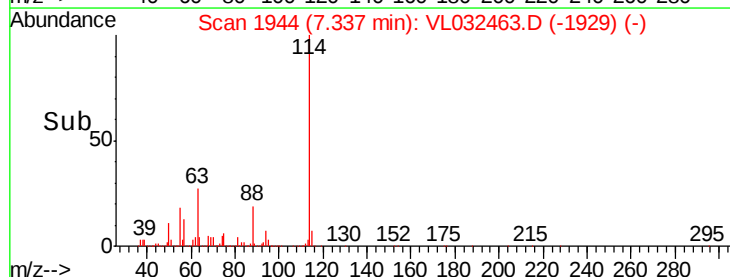
62 16.5 55.4 83.0#

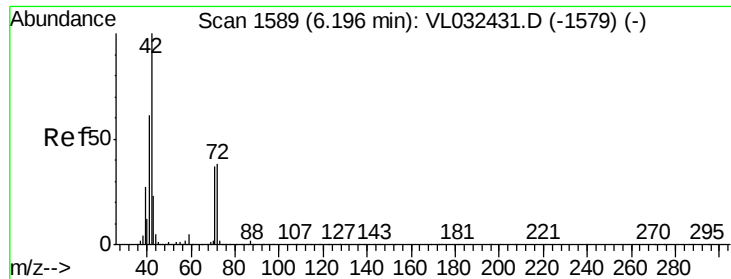


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

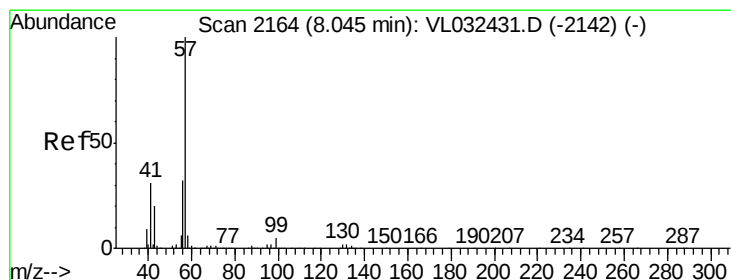
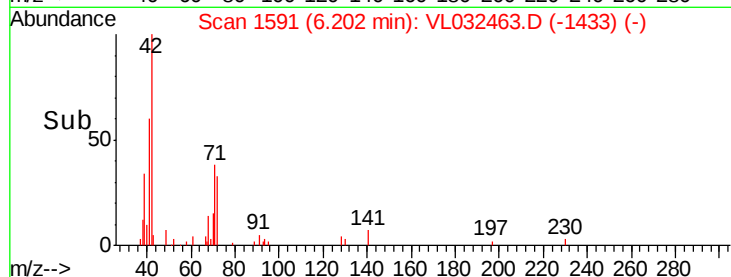
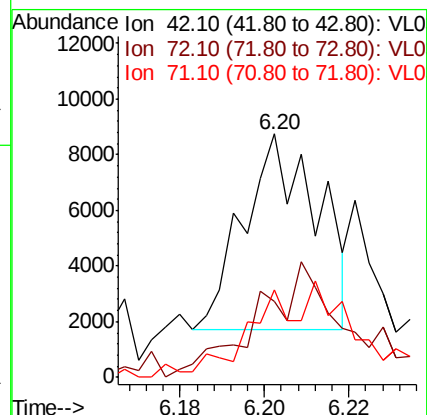
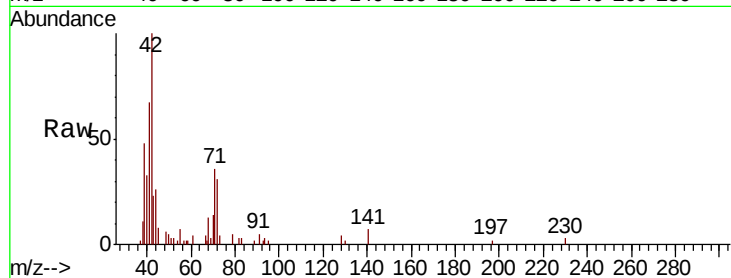




#41  
Tetrahydrofuran  
Concen: 0.070 ppbv  
RT: 6.20 min Scan# 1591  
Delta R.T. 0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

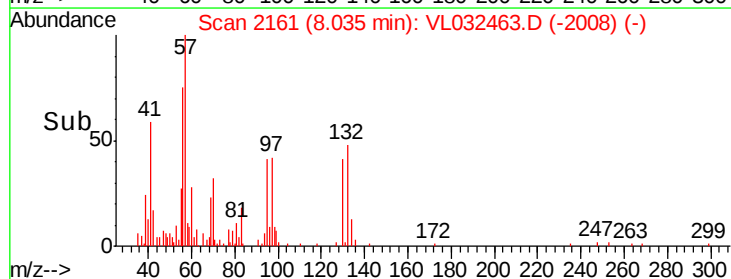
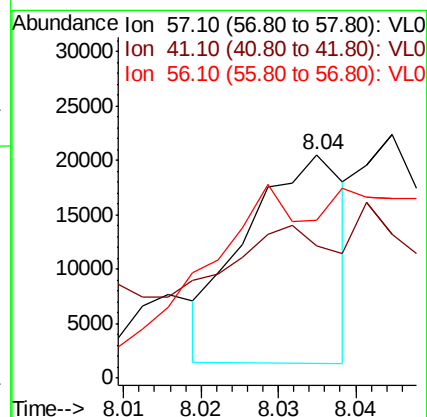
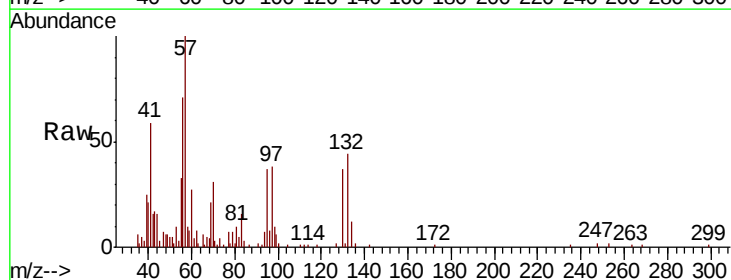
Instrument :  
MSVOA\_L  
ClientSampleId :  
VP-1DL

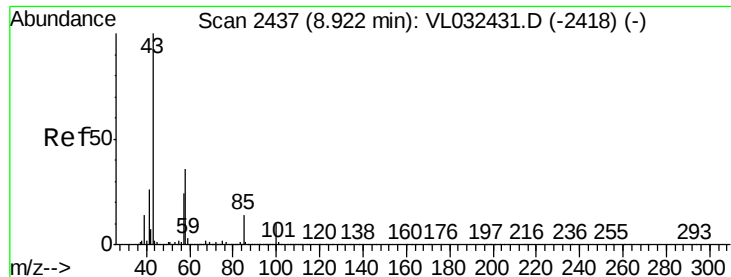
Tgt Ion: 42 Resp: 8537  
Ion Ratio Lower Upper  
42 100  
72 82.5 29.5 44.3#  
71 69.2 28.3 42.5#



#44  
2,2,4-Trimethylpentane  
Concen: 0.030 ppbv  
RT: 8.04 min Scan# 2161  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

Tgt Ion: 57 Resp: 16964  
Ion Ratio Lower Upper  
57 100  
41 0.0 24.4 36.6#  
56 254.5 25.7 38.5#

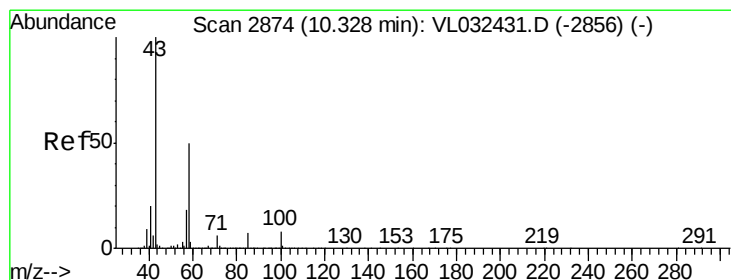
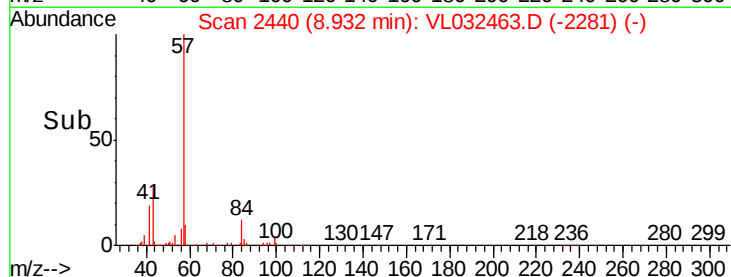
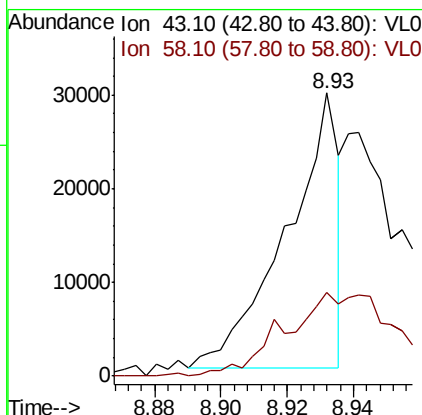
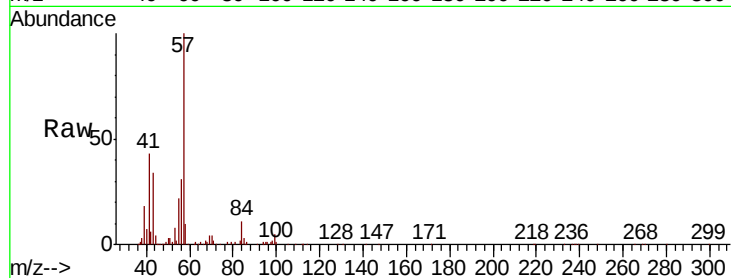




#50  
 4-Methyl-2-Pentanone  
 Concen: 0.095 ppbv  
 RT: 8.93 min Scan# 2440  
 Delta R.T. 0.01 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

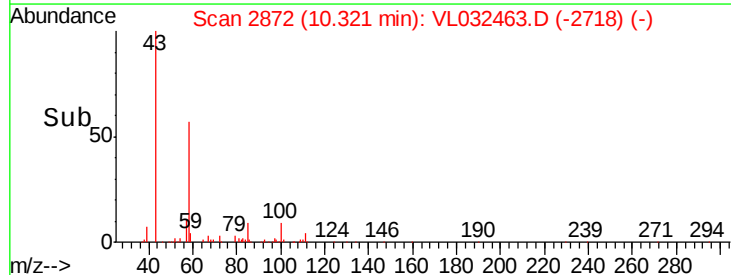
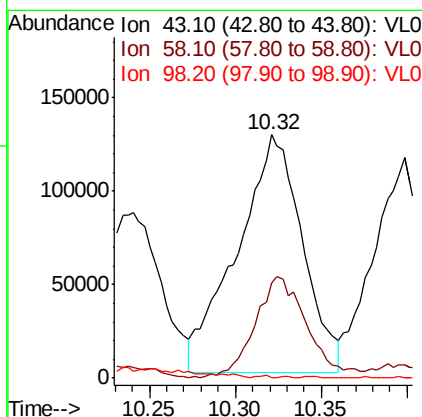
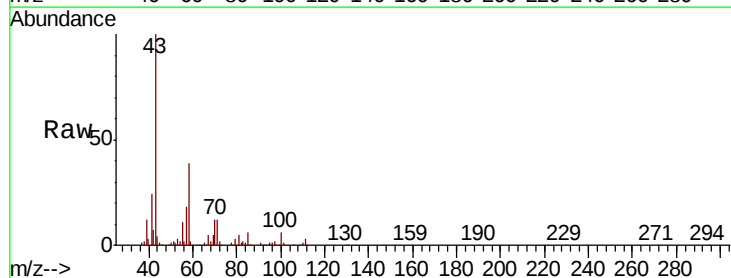
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-1DL

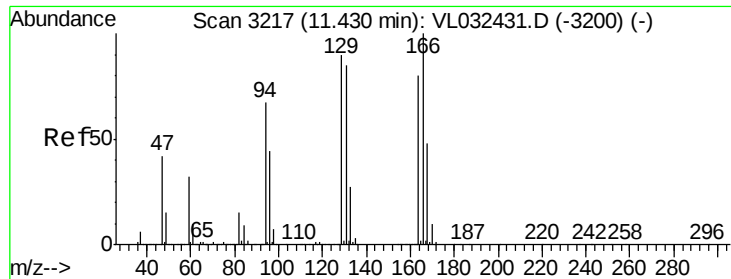
Tgt Ion: 43 Resp: 32084  
 Ion Ratio Lower Upper  
 43 100  
 58 67.3 29.0 43.4#



#51  
 2-Hexanone  
 Concen: 1.538 ppbv  
 RT: 10.32 min Scan# 2872  
 Delta R.T. -0.01 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

Tgt Ion: 43 Resp: 336186  
 Ion Ratio Lower Upper  
 43 100  
 58 32.7 39.2 58.8#  
 98 0.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.037 ppbv

RT: 11.41 min Scan# 3212

Delta R.T. -0.02 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

VP-1DL

Tgt Ion:164 Resp: 3337

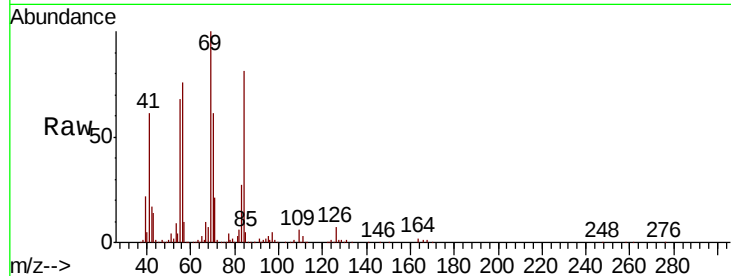
Ion Ratio Lower Upper

164 100

166 43.3 100.6 150.8#

129 64.8 89.9 134.9#

131 60.1 85.9 128.9#



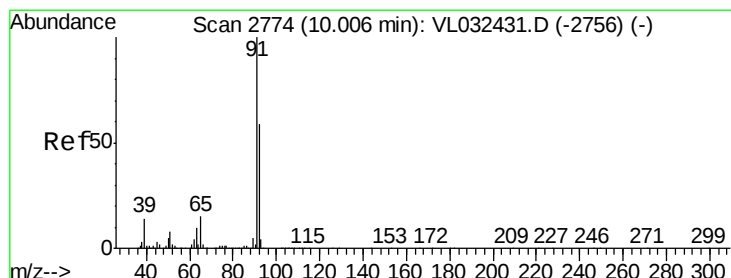
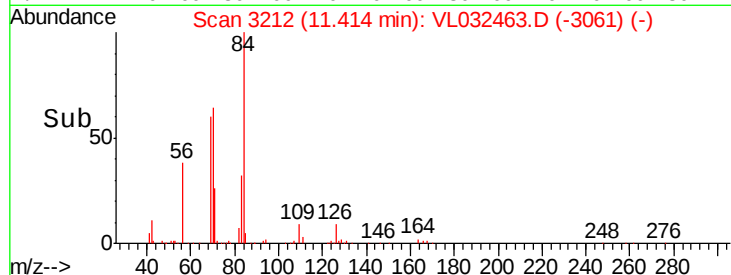
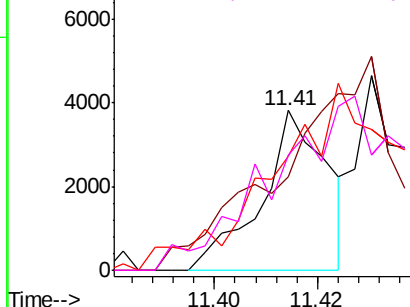
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.607 ppbv

RT: 10.00 min Scan# 2771

Delta R.T. -0.01 min

Lab File: VL032463.D

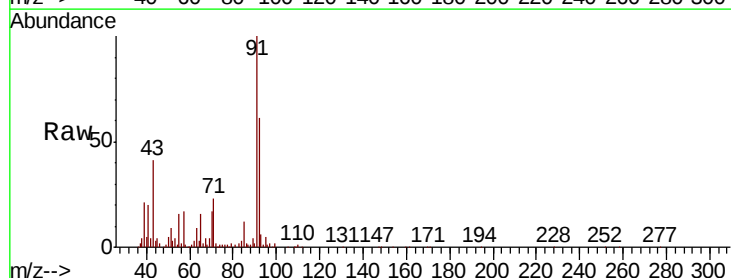
Acq: 5 Sep 2018 18:52

Tgt Ion: 91 Resp: 183099

Ion Ratio Lower Upper

91 100

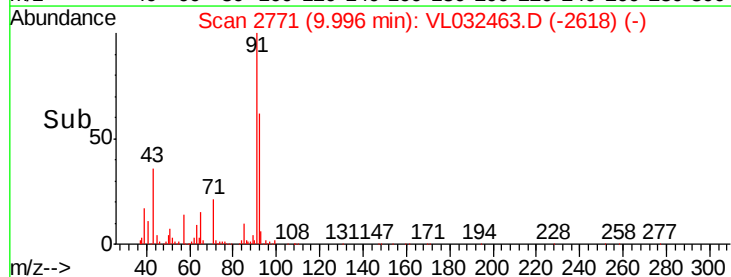
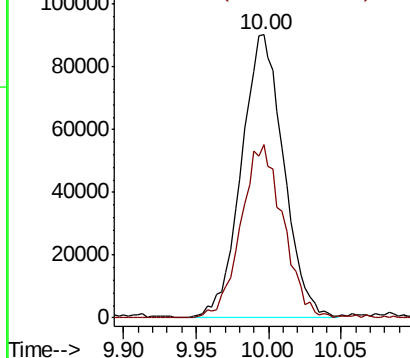
92 61.3 48.1 72.1

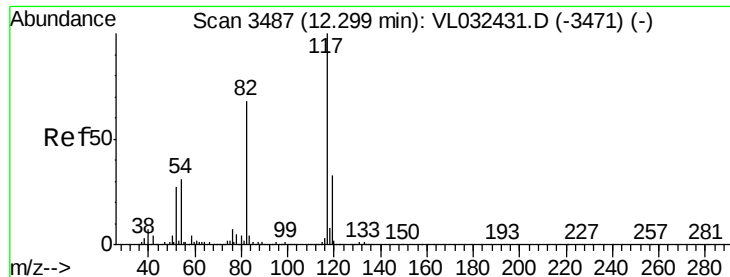


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

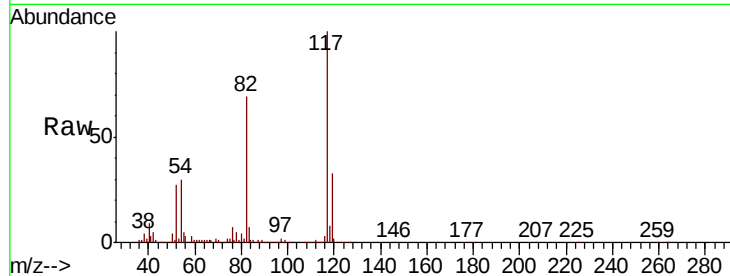




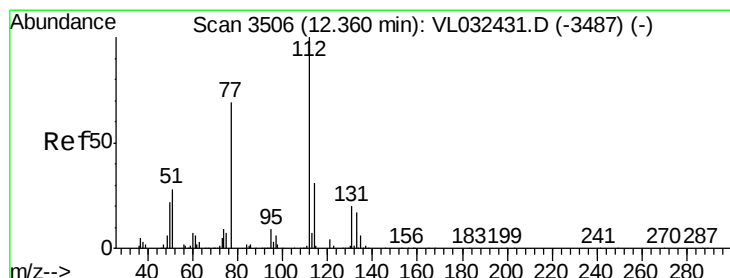
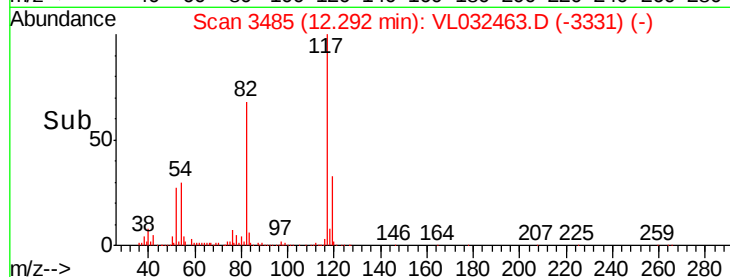
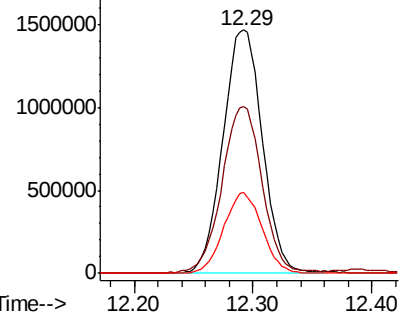
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.29 min Scan# 3485  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VP-1DL

Tgt Ion:117 Resp: 3355166  
Ion Ratio Lower Upper  
117 100  
82 70.1 53.0 79.6  
119 32.5 45.9 68.9#

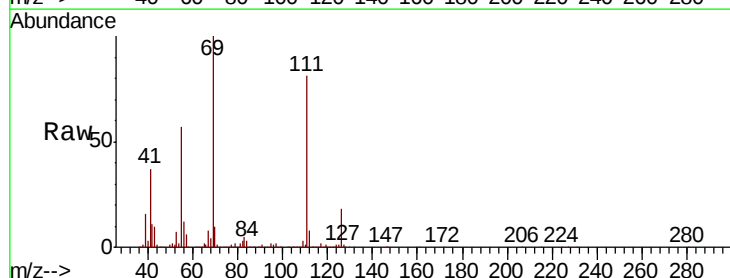


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

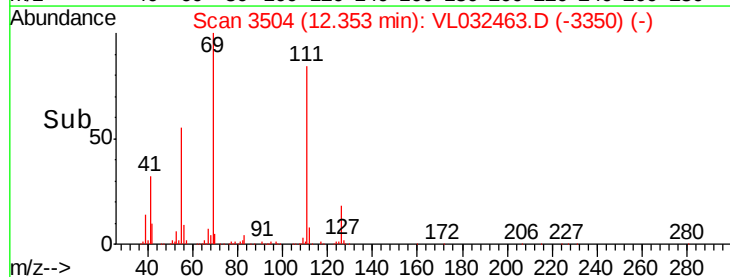
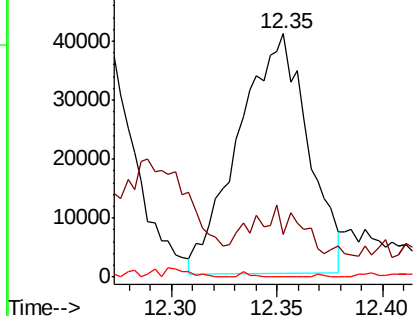


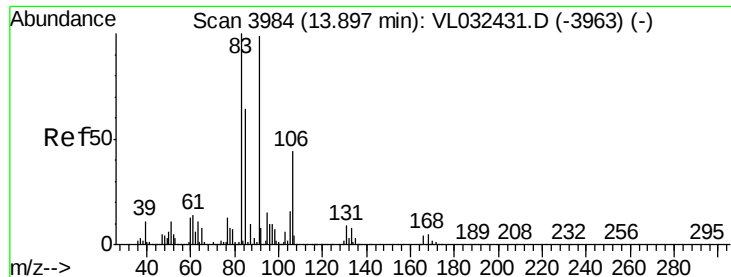
#57  
Chlorobenzene  
Concen: 0.346 ppbv  
RT: 12.35 min Scan# 3504  
Delta R.T. -0.01 min  
Lab File: VL032463.D  
Acq: 5 Sep 2018 18:52

Tgt Ion:112 Resp: 92796  
Ion Ratio Lower Upper  
112 100  
77 5.2 56.1 84.1#  
114 1.4 27.8 34.0#



Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 114.10 (113.80 to 114.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.042 ppbv

RT: 13.87 min Scan# 3977

Delta R.T. -0.02 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

VP-1DL

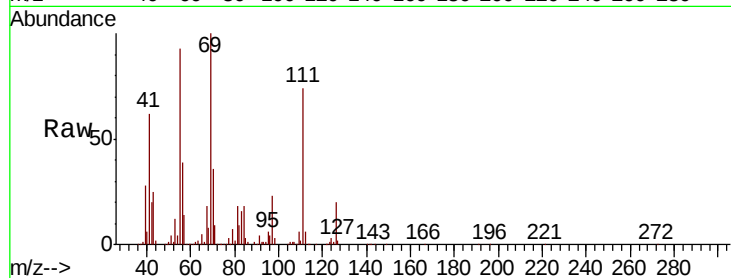
Tgt Ion: 83 Resp: 13351

Ion Ratio Lower Upper

83 100

131 1.3 4.3 12.8#

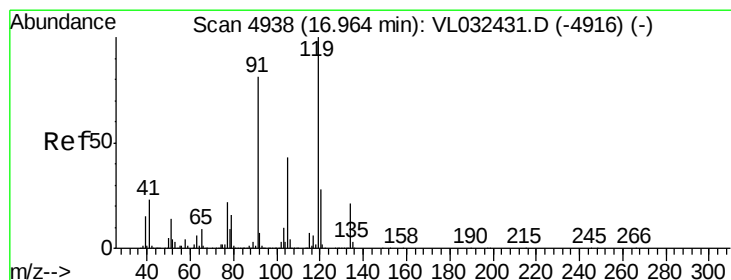
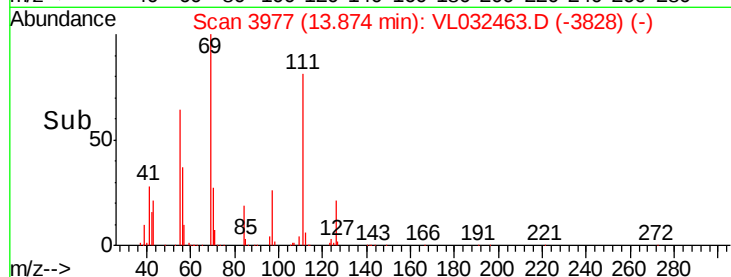
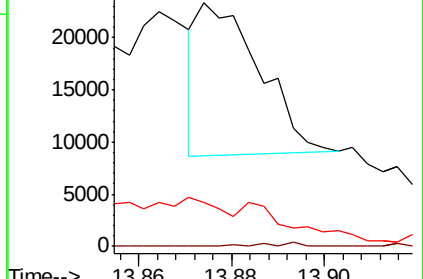
85 63.0 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#65

tert-Butylbenzene

Concen: 0.045 ppbv

RT: 16.96 min Scan# 4937

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

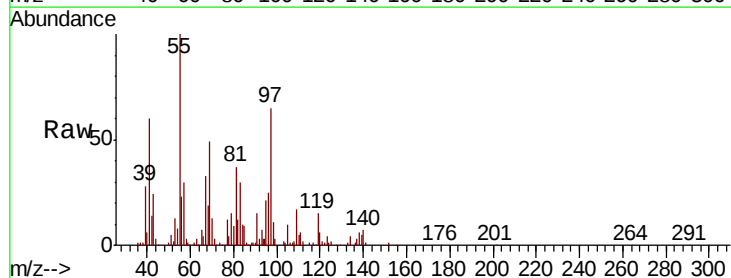
Tgt Ion: 119 Resp: 19169

Ion Ratio Lower Upper

119 100

91 147.9 66.5 99.7#

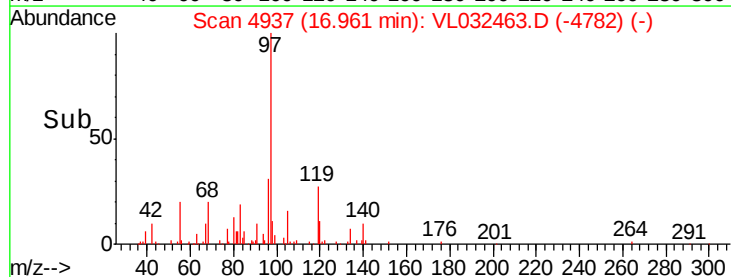
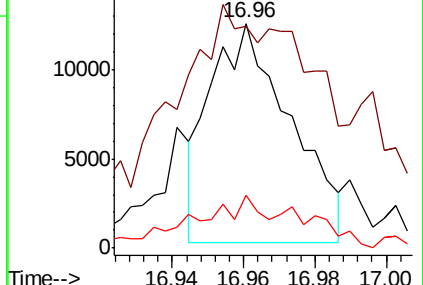
134 34.5 16.0 24.0#

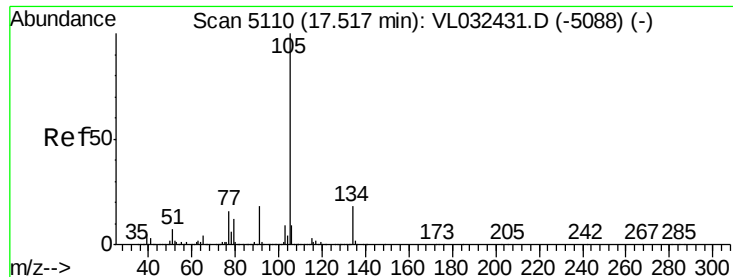


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

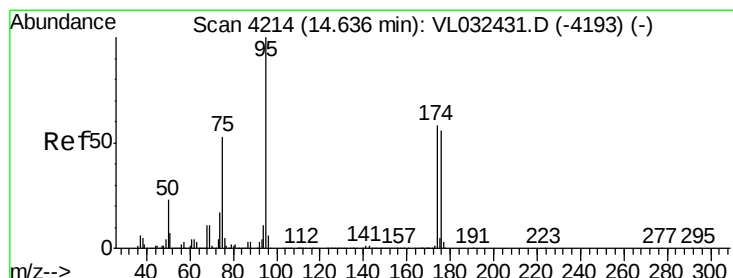
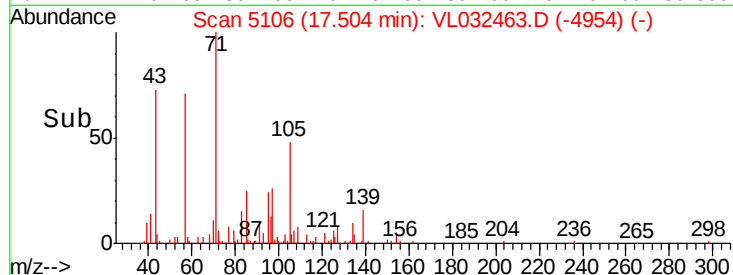
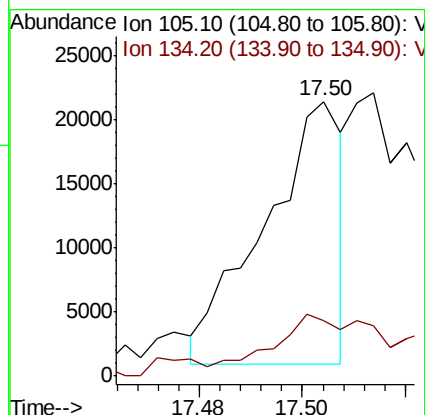
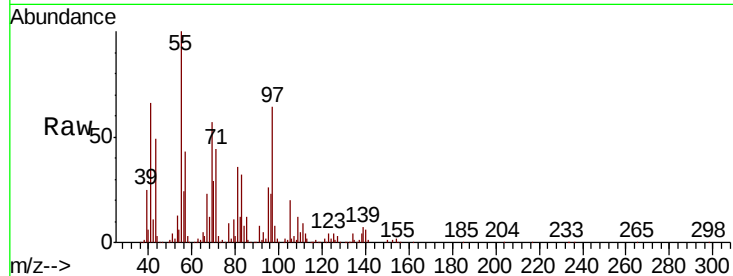




#67  
 sec-Butylbenzene  
 Concen: 0.033 ppbv  
 RT: 17.50 min Scan# 5106  
 Delta R.T. -0.01 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

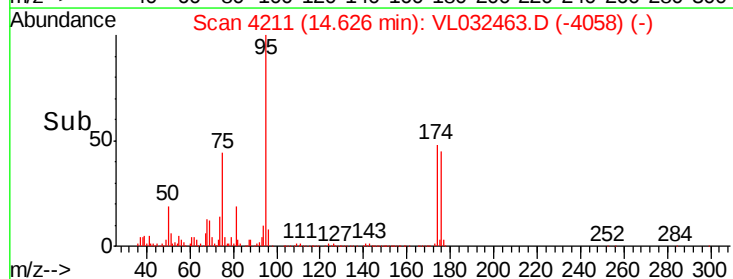
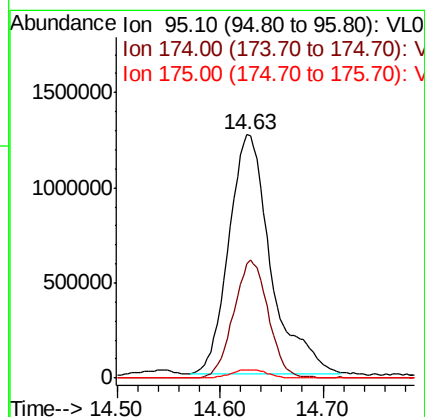
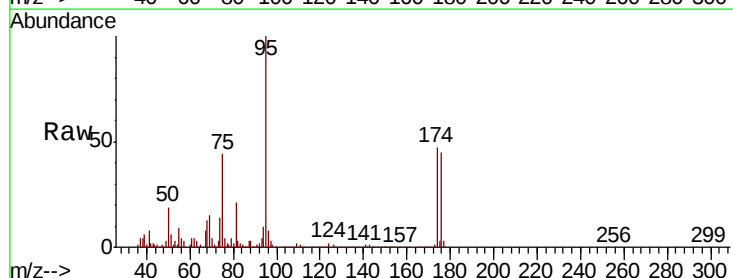
Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 VP-1DL

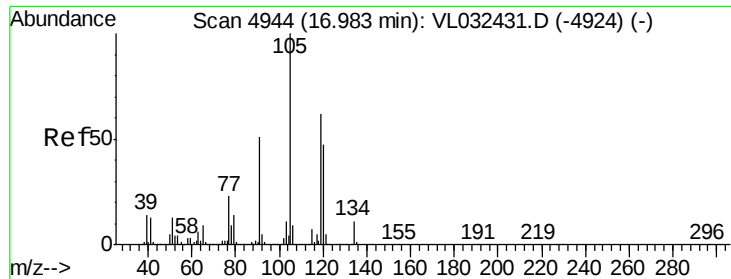
Tgt Ion: 105 Resp: 21392  
 Ion Ratio Lower Upper  
 105 100  
 134 48.5 14.4 21.6#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 14.432 ppbv  
 RT: 14.63 min Scan# 4211  
 Delta R.T. -0.01 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

Tgt Ion: 95 Resp: 3594965  
 Ion Ratio Lower Upper  
 95 100  
 174 40.4 46.3 69.5#  
 175 3.0 3.4 5.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.034 ppbv

RT: 16.97 min Scan# 4941

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA\_L

ClientSampleId :

VP-1DL

Tgt Ion:105 Resp: 14283

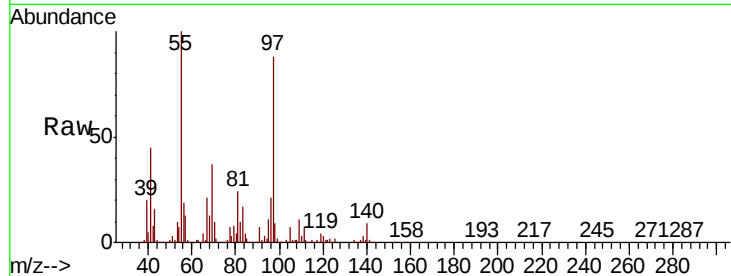
Ion Ratio Lower Upper

105 100

120 34.2 37.8 56.8#

91 35.8 41.4 62.0#

77 69.9 18.6 28.0#

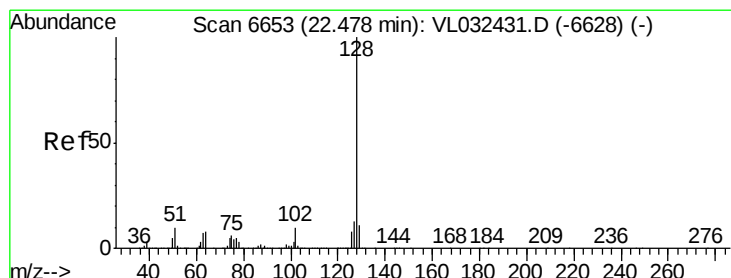
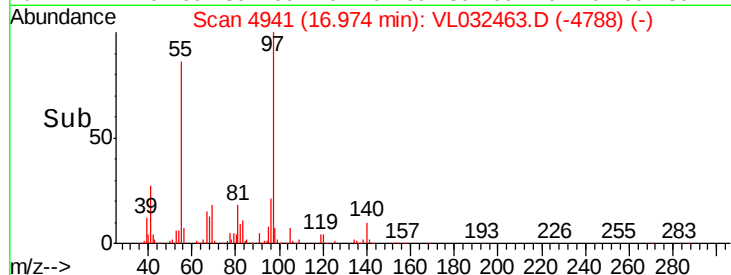
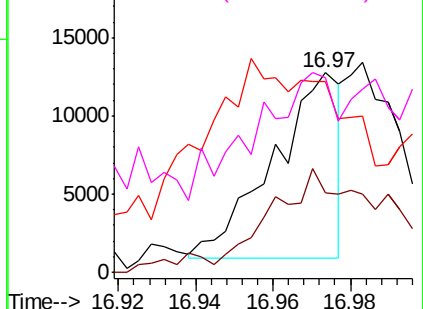


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.078 ppbv

RT: 22.47 min Scan# 6650

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

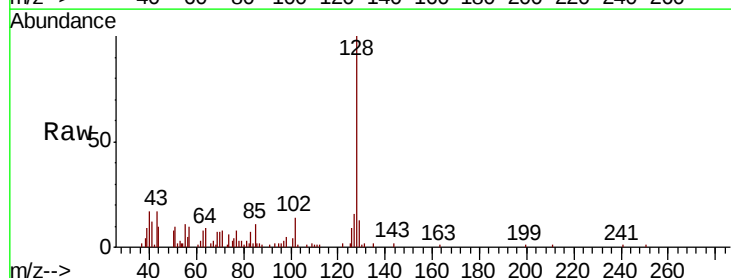
Tgt Ion:128 Resp: 26628

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

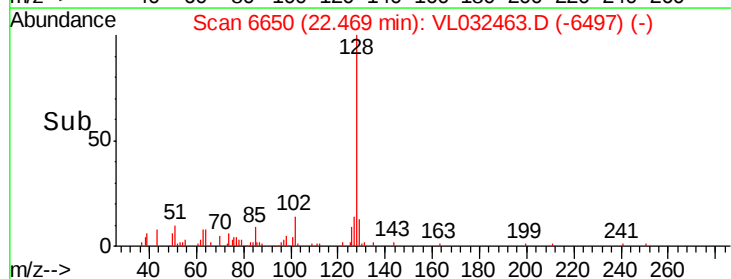
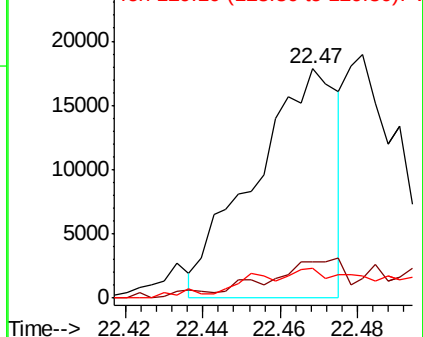
129 9.8 8.5 12.7

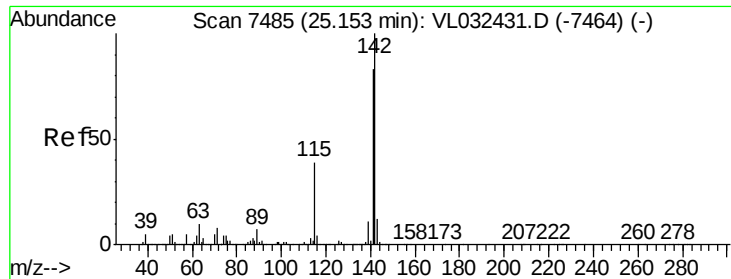


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

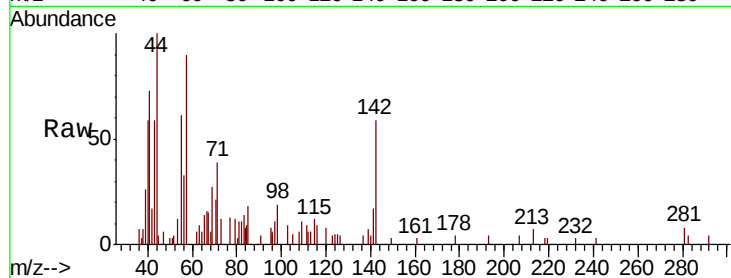




#80  
 Naphthalene, 2-methyl-  
 Concen: 0.050 ppbv  
 RT: 25.17 min Scan# 7490  
 Delta R.T. 0.02 min  
 Lab File: VL032463.D  
 Acq: 5 Sep 2018 18:52

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-1DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 81.2  | 67.0  | 100.6 |
| 115     | 49.5  | 31.3  | 46.9  |



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

