

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL090518\  
 Data File : VL032459.D  
 Acq On : 5 Sep 2018 16:00  
 Operator : SY/AP  
 Sample : J4717-03DL 20X  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-5DL

Quant Time: Sep 06 04:59:51 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   | 1641453  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.34  | 114  | 3387886  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.29 | 117  | 3263025  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.62  | 95    | 2511326  | 10.37    | ppbv | -0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.70% |

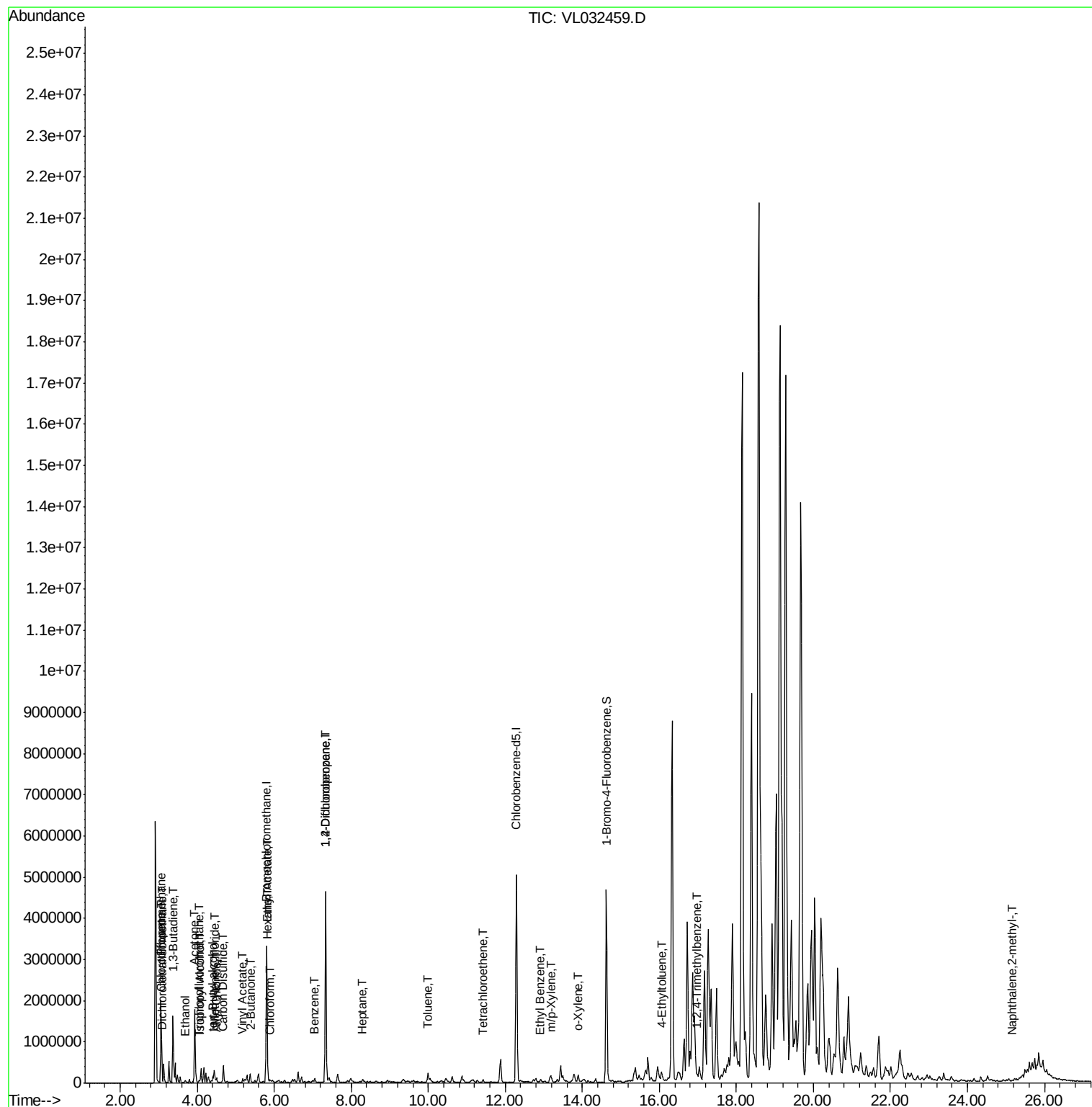
| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chlorodifluoromethane     | 3.04  | 51   | 5941     | 0.040  | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane | 3.10  | 85   | 5866     | 0.031  | ppbv # | 20     |
| 9) Propene                   | 3.06  | 41   | 846157   | 14.117 | ppbv   | 93     |
| 10) Heptane                  | 8.29  | 43   | 31173    | 0.145  | ppbv   | 86     |
| 11) Trichlorofluoromethane   | 4.04  | 101  | 8008     | 0.042  | ppbv   | 94     |
| 13) Ethanol                  | 3.68  | 45   | 24004    | 1.285  | ppbv # | 39     |
| 15) Acetone                  | 3.93  | 43   | 1822496  | 12.329 | ppbv   | 98     |
| 16) 1,3-Butadiene            | 3.37  | 39   | 476326   | 6.848  | ppbv # | 16     |
| 17) tert-Butyl alcohol       | 4.41  | 59   | 41159    | 1.809  | ppbv # | 100    |
| 19) Isopropyl Alcohol        | 4.07  | 45   | 8117     | 0.084  | ppbv # | 93     |
| 20) Methylene Chloride       | 4.45  | 84   | 95471    | 1.694  | ppbv   | 90     |
| 21) Allyl Chloride           | 4.50  | 41   | 8278     | 0.084  | ppbv # | 1      |
| 23) Vinyl Acetate            | 5.18  | 43   | 30445    | 0.124  | ppbv # | 50     |
| 25) Ethyl Acetate            | 5.82  | 43   | 126353   | 0.362  | ppbv # | 80     |
| 26) Hexane                   | 5.82  | 57   | 168934   | 1.081  | ppbv # | 41     |
| 27) Carbon Disulfide         | 4.66  | 76   | 8421     | 0.058  | ppbv # | 93     |
| 29) Chloroform               | 5.88  | 83   | 8818     | 0.037  | ppbv   | 86     |
| 34) 2-Butanone               | 5.38  | 43   | 225131   | 1.000  | ppbv   | 95     |
| 36) Benzene                  | 7.05  | 78   | 69700    | 0.242  | ppbv   | 94     |
| 39) 1,2-Dichloropropane      | 7.34  | 63   | 905769   | 7.343  | ppbv # | 25     |
| 52) Tetrachloroethene        | 11.43 | 164  | 5446     | 0.061  | ppbv   | 95     |
| 53) Toluene                  | 9.99  | 91   | 163264   | 0.542  | ppbv   | 99     |
| 58) Ethyl Benzene            | 12.91 | 91   | 24544    | 0.063  | ppbv   | 89     |
| 59) m/p-Xylene               | 13.20 | 91   | 40188    | 0.115  | ppbv # | 31     |
| 60) o-Xylene                 | 13.90 | 91   | 32988    | 0.096  | ppbv # | 32     |
| 72) 4-Ethyltoluene           | 16.05 | 105  | 31800    | 0.085  | ppbv # | 79     |
| 74) 1,2,4-Trimethylbenzene   | 16.97 | 105  | 78221    | 0.191  | ppbv # | 71     |
| 80) Naphthalene,2-methyl-    | 25.16 | 142  | 3165     | 0.036  | ppbv # | 79     |

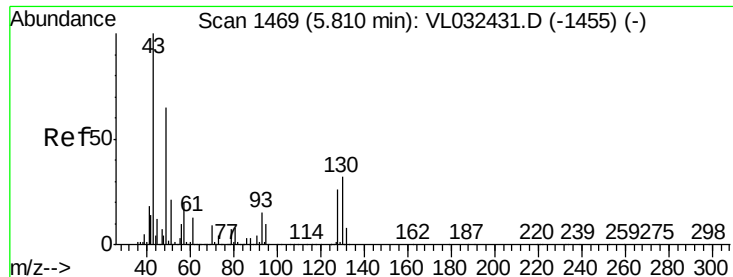
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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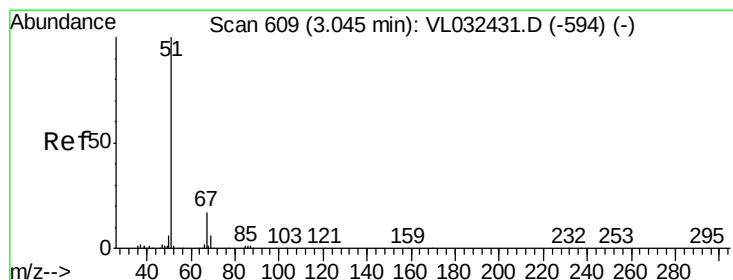
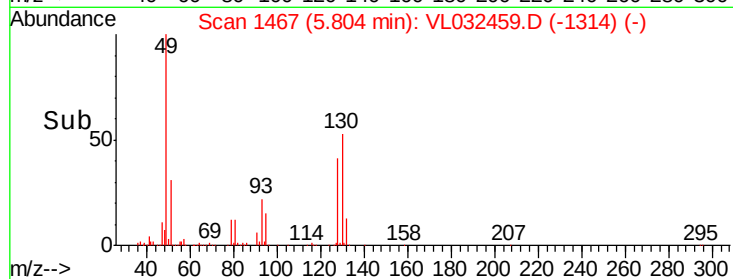
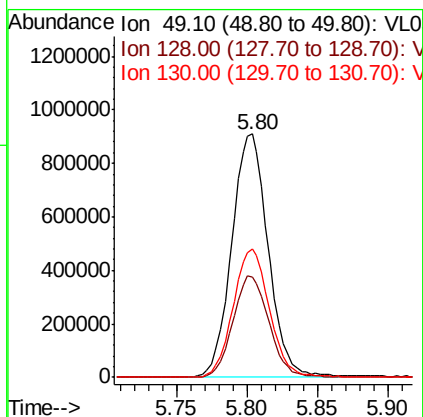
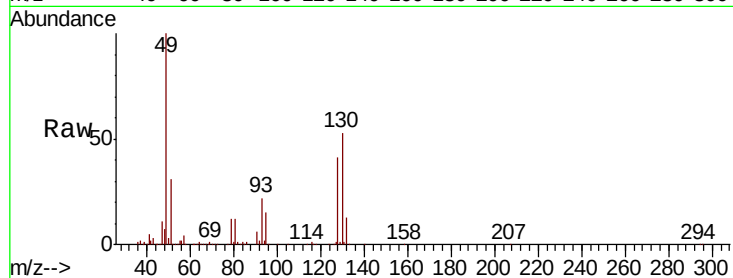




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.80 min Scan# 1467  
 Delta R.T. -0.01 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

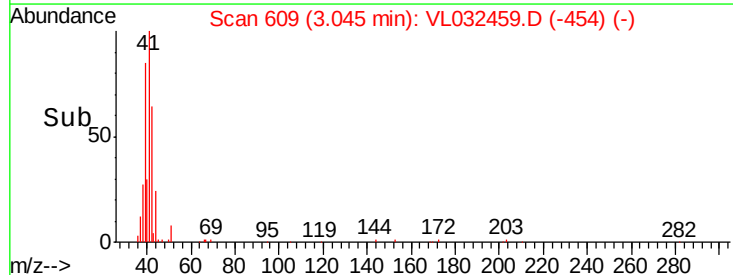
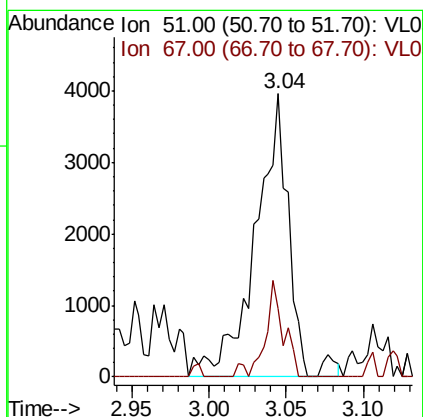
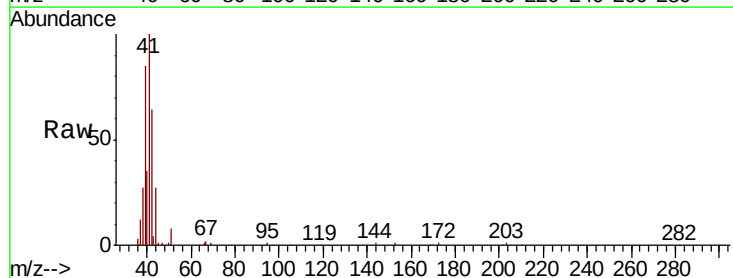
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
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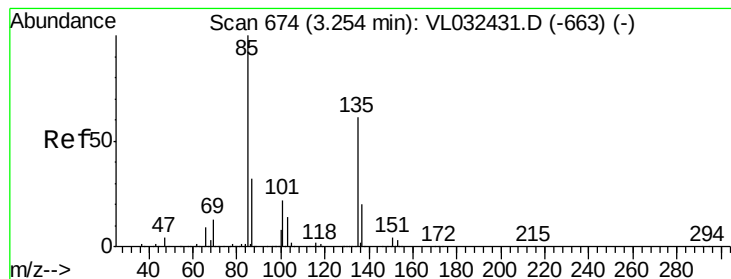
Tgt Ion: 49 Resp: 1641453  
 Ion Ratio Lower Upper  
 49 100  
 128 41.8 20.7 62.1  
 130 53.2 26.6 79.7



#3  
 Chlorodifluoromethane  
 Concen: 0.040 ppbv  
 RT: 3.04 min Scan# 609  
 Delta R.T. -0.00 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

Tgt Ion: 51 Resp: 5941  
 Ion Ratio Lower Upper  
 51 100  
 67 18.4 13.8 20.8





#8

Dichlorotetrafluoroethane

Concen: 0.031 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.15 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

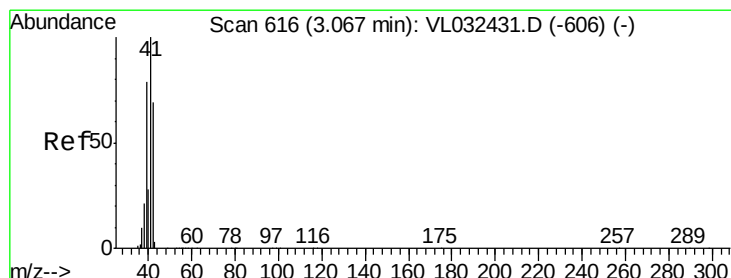
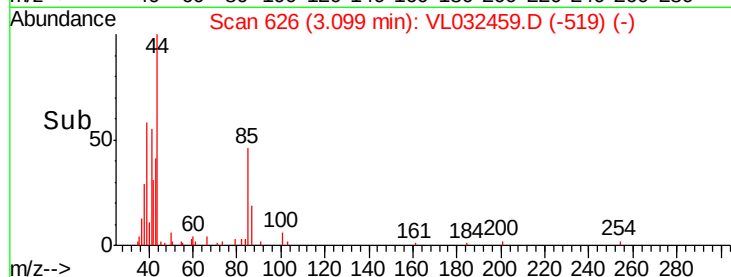
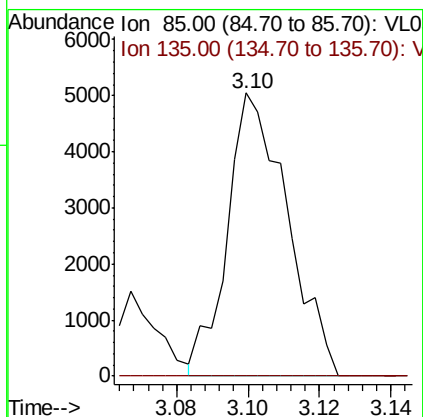
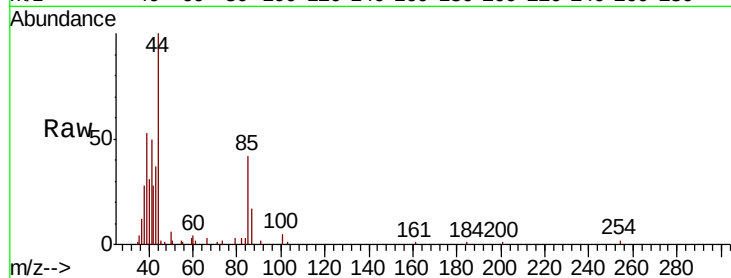
VP-5DL

Tgt Ion: 85 Resp: 5866

Ion Ratio Lower Upper

85 100

135 0.0 48.6 72.8#



#9

Propene

Concen: 14.117 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.01 min

Lab File: VL032459.D

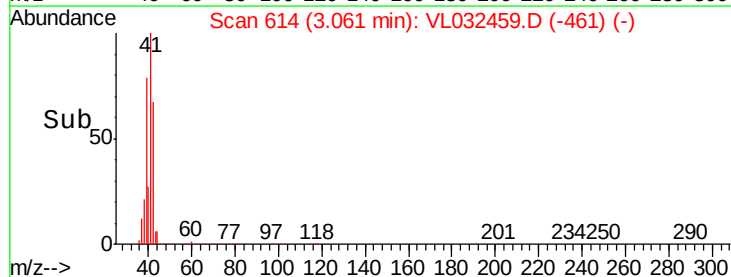
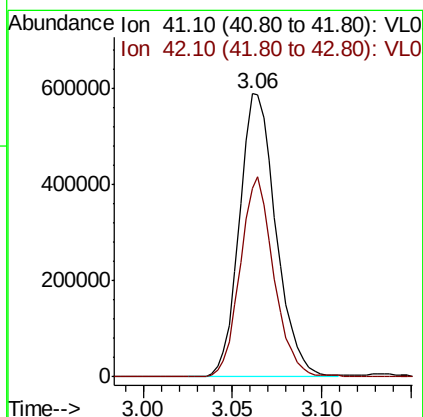
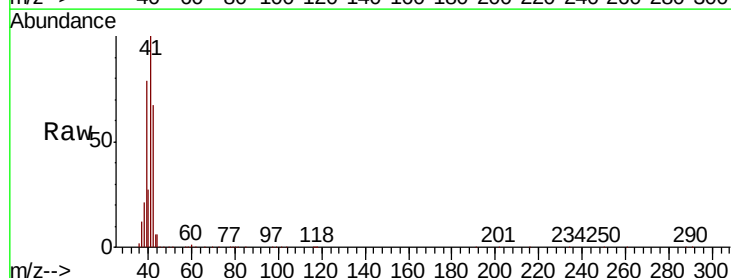
Acq: 5 Sep 2018 16:00

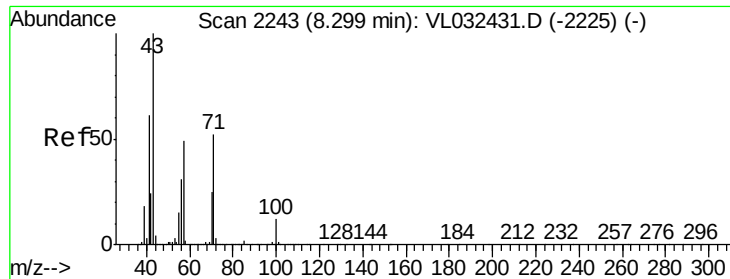
Tgt Ion: 41 Resp: 846157

Ion Ratio Lower Upper

41 100

42 65.2 56.6 84.8





#10

Heptane

Concen: 0.145 ppbv

RT: 8.29 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

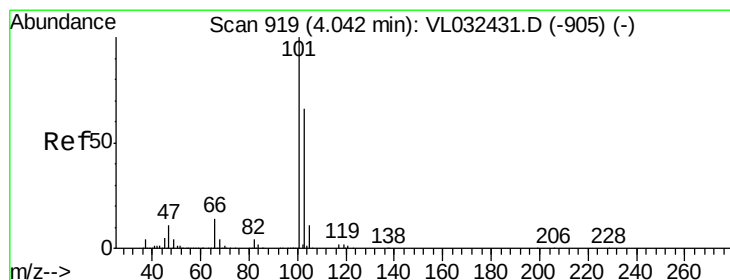
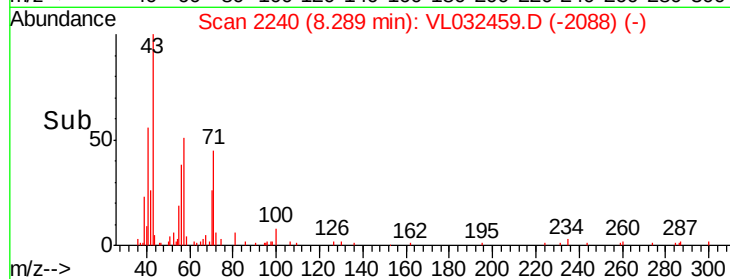
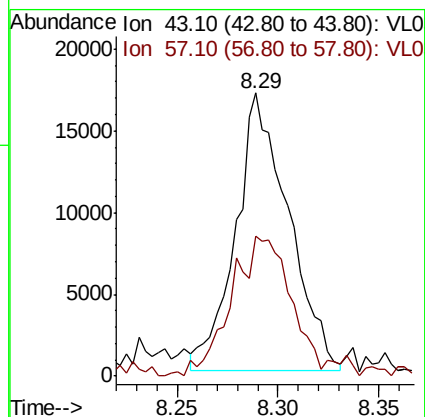
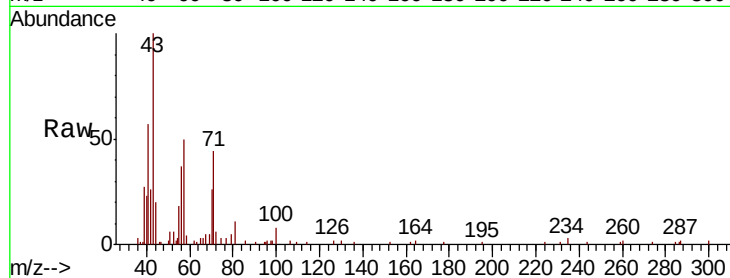
VP-5DL

Tgt Ion: 43 Resp: 31173

Ion Ratio Lower Upper

43 100

57 58.9 39.6 59.4



#11

Trichlorofluoromethane

Concen: 0.042 ppbv

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VL032459.D

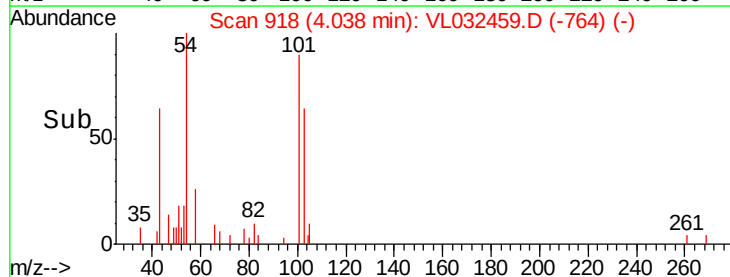
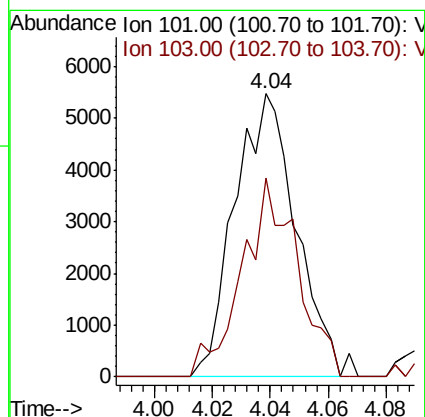
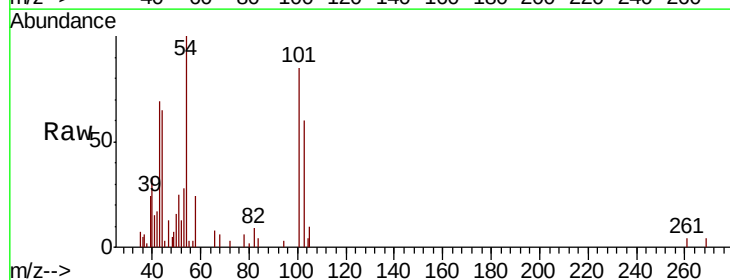
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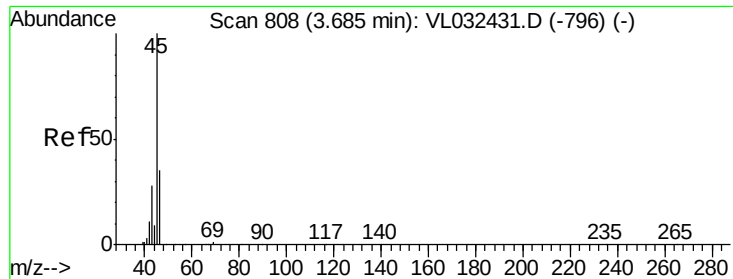
Tgt Ion: 101 Resp: 8008

Ion Ratio Lower Upper

101 100

103 70.4 52.8 79.2

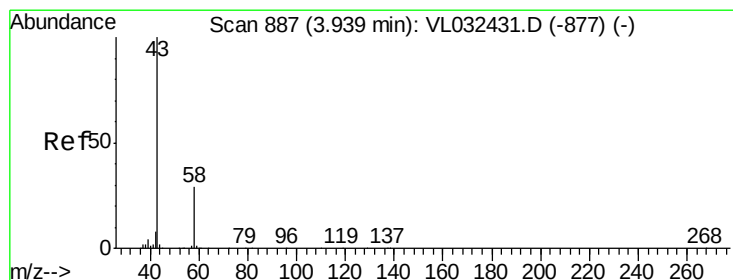
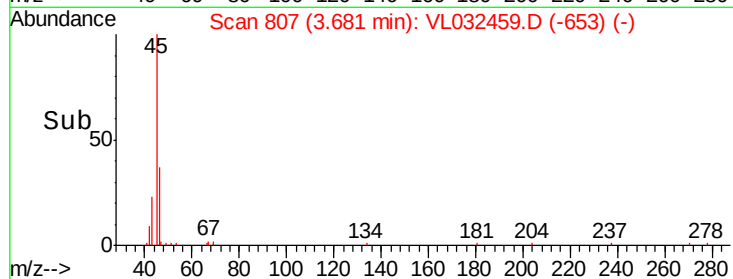
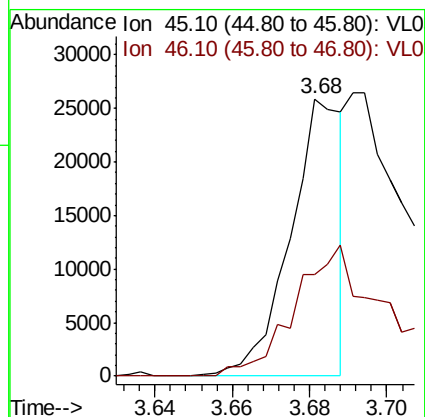
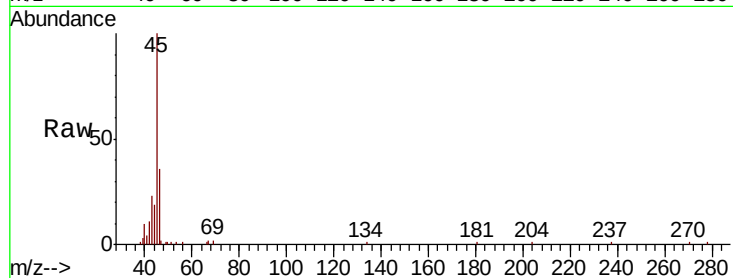




#13  
Ethanol  
Concen: 1.285 ppbv  
RT: 3.68 min Scan# 807  
Delta R.T. -0.00 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

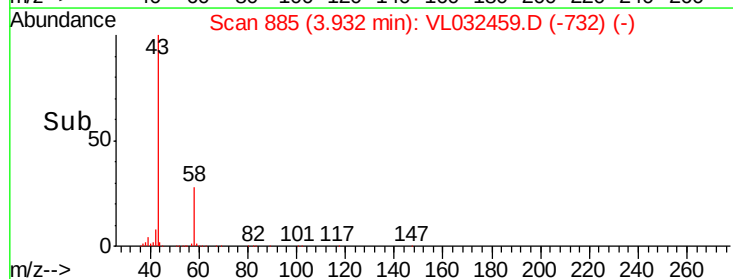
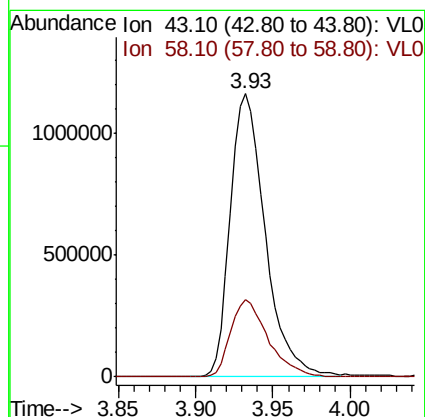
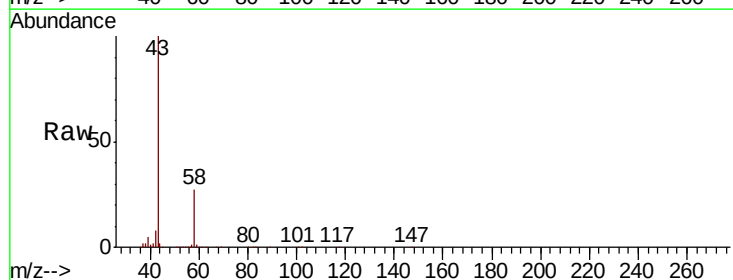
Instrument :  
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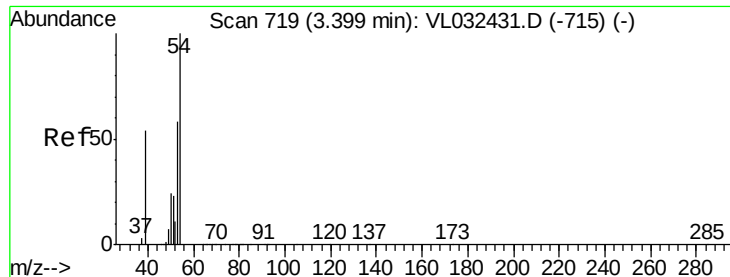
Tgt Ion: 45 Resp: 24004  
Ion Ratio Lower Upper  
45 100  
46 0.0 14.2 56.8#



#15  
Acetone  
Concen: 12.329 ppbv  
RT: 3.93 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

Tgt Ion: 43 Resp: 1822496  
Ion Ratio Lower Upper  
43 100  
58 29.5 22.6 33.8





#16

1,3-Butadiene

Concen: 6.848 ppbv

RT: 3.37 min Scan# 711

Delta R.T. -0.03 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

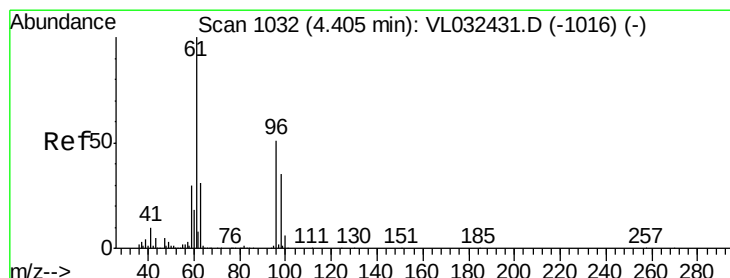
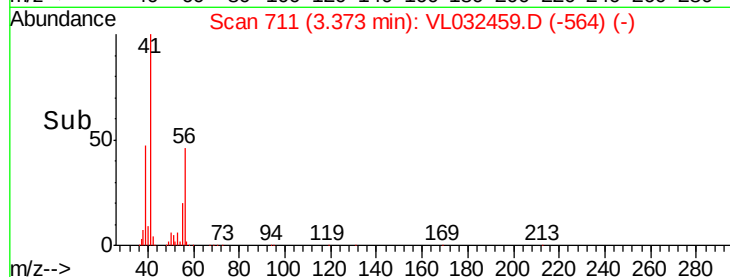
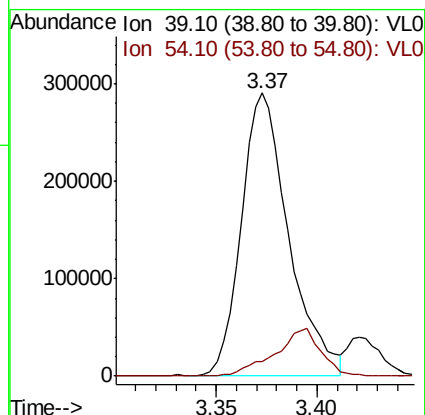
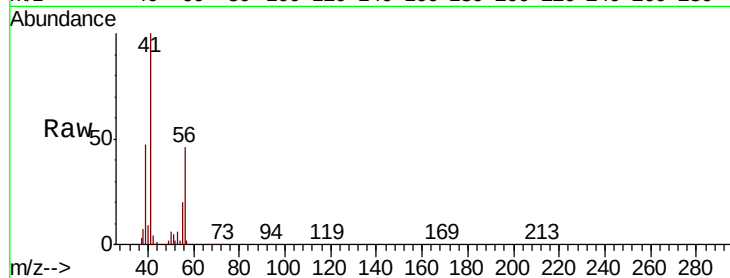
VP-5DL

Tgt Ion: 39 Resp: 476326

Ion Ratio Lower Upper

39 100

54 16.3 80.8 121.2#



#17

tert-Butyl alcohol

Concen: 1.809 ppbv

RT: 4.41 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VL032459.D

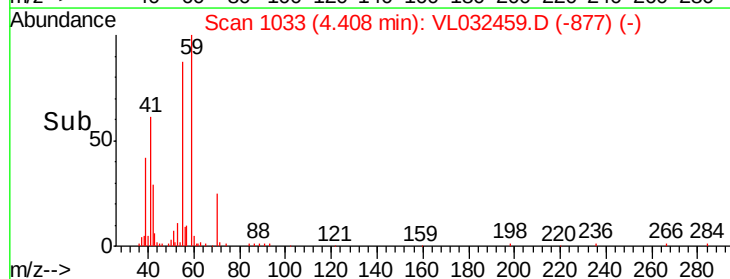
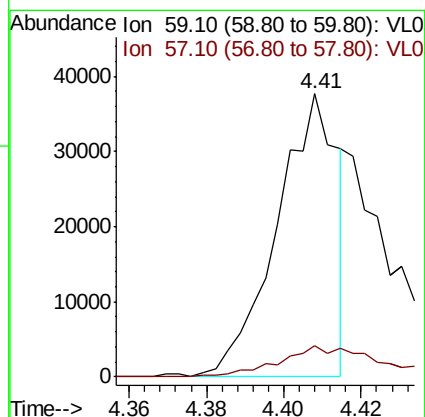
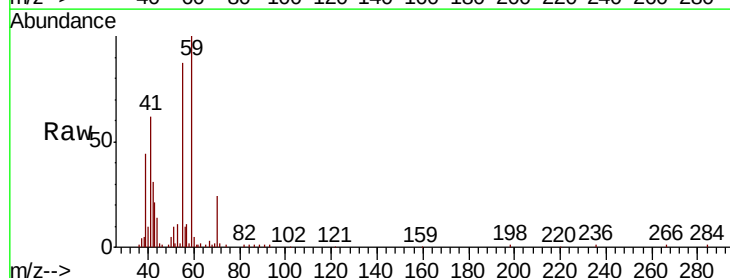
Acq: 5 Sep 2018 16:00

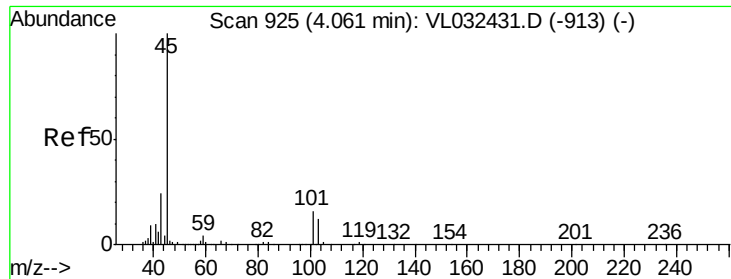
Tgt Ion: 59 Resp: 41159

Ion Ratio Lower Upper

59 100

57 18.7 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 0.084 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

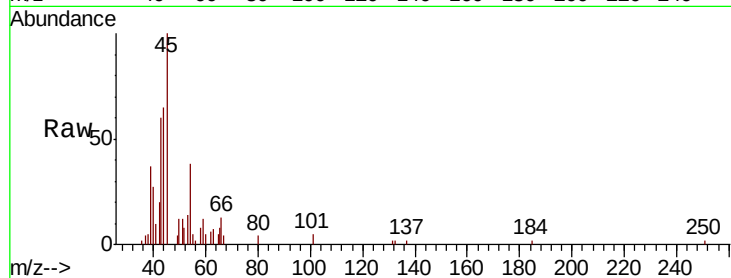
VP-5DL

Tgt Ion: 45 Resp: 8117

Ion Ratio Lower Upper

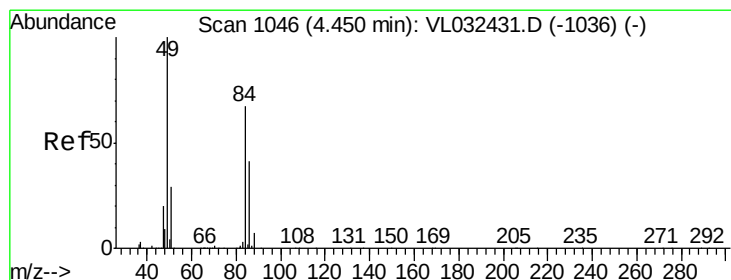
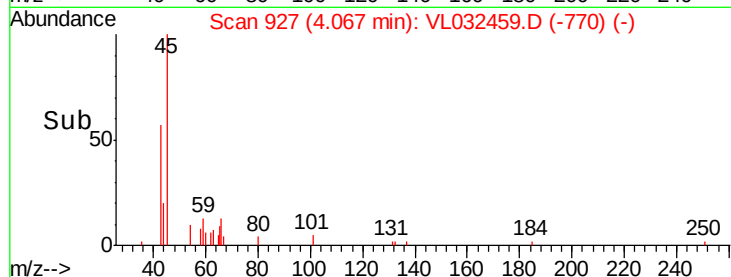
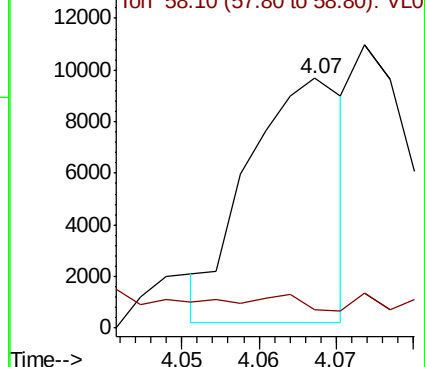
45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.694 ppbv

RT: 4.45 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Tgt Ion: 84 Resp: 95471

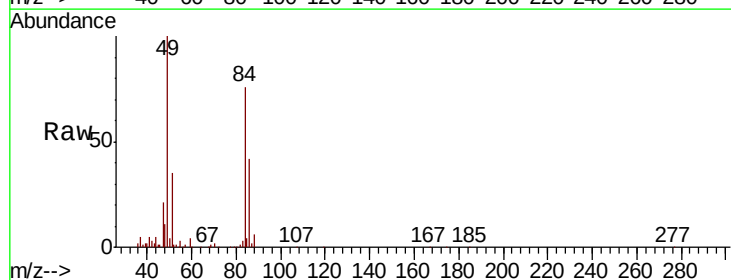
Ion Ratio Lower Upper

84 100

49 132.3 119.1 178.7

51 43.6 35.2 52.8

86 55.9 49.4 74.2

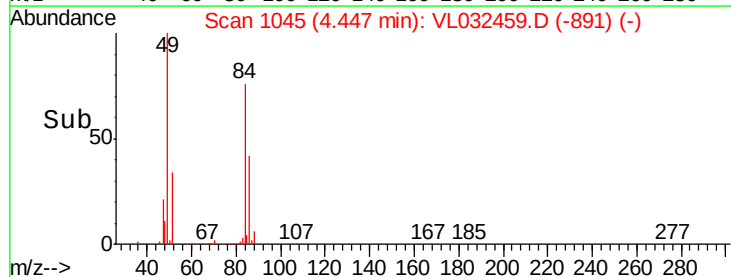
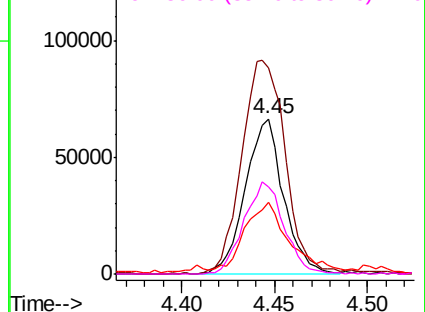


Abundance Ion 84.00 (83.70 to 84.70): VL0

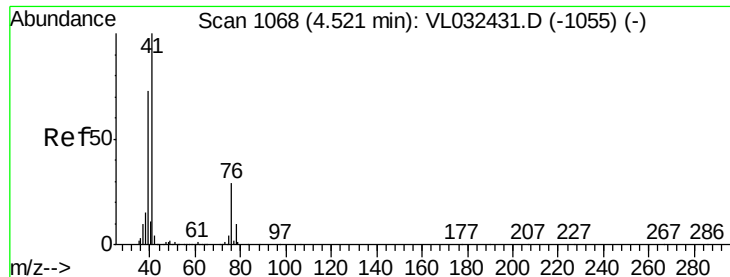
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



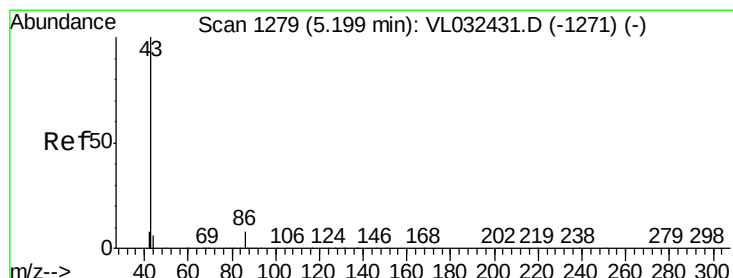
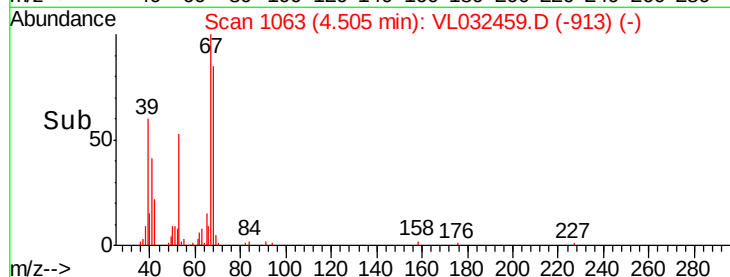
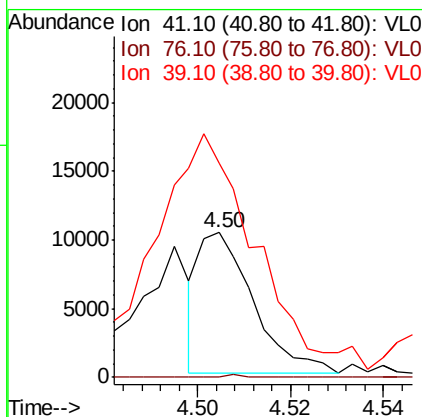
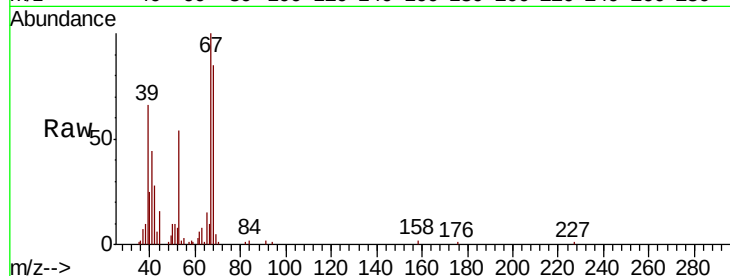




#21  
 Allyl Chloride  
 Concen: 0.084 ppbv  
 RT: 4.50 min Scan# 1063  
 Delta R.T. -0.02 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

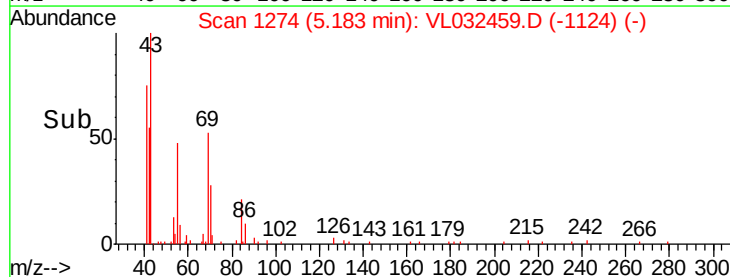
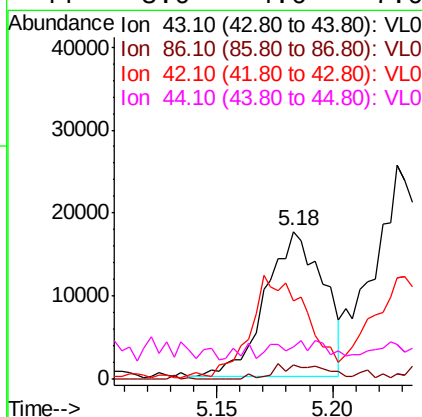
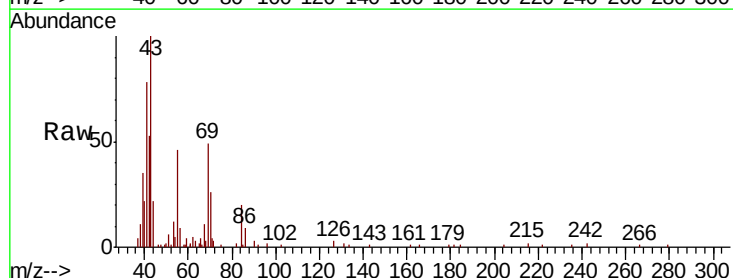
Instrument :  
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 ClientSampleId :  
 VP-5DL

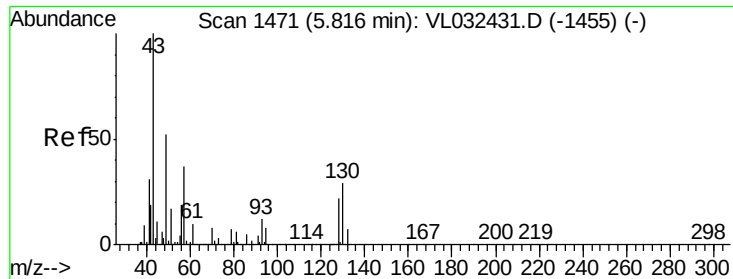
Tgt Ion: 41 Resp: 8278  
 Ion Ratio Lower Upper  
 41 100  
 76 0.0 23.6 35.4#  
 39 412.6 57.7 86.5#



#23  
 Vinyl Acetate  
 Concen: 0.124 ppbv  
 RT: 5.18 min Scan# 1274  
 Delta R.T. -0.02 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

Tgt Ion: 43 Resp: 30445  
 Ion Ratio Lower Upper  
 43 100  
 86 8.7 5.9 8.9  
 42 51.1 6.9 10.3#  
 44 3.0 4.6 7.0#

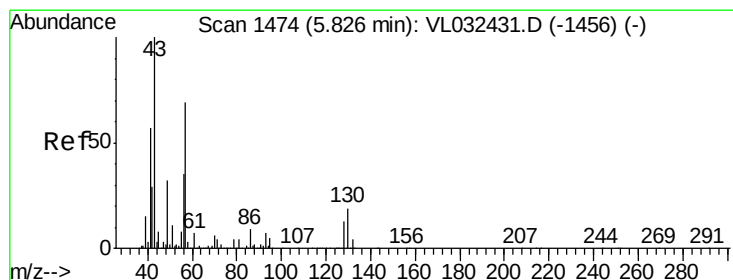
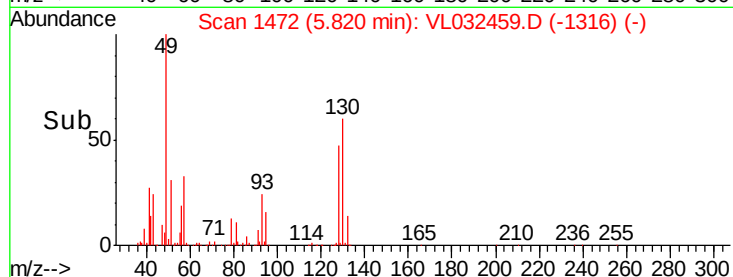
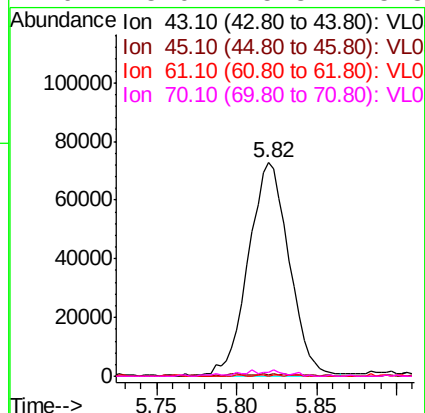
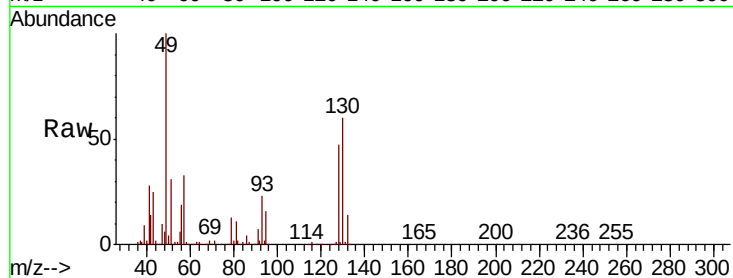




#25  
Ethyl Acetate  
Concen: 0.362 ppbv  
RT: 5.82 min Scan# 1472  
Delta R.T. 0.00 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

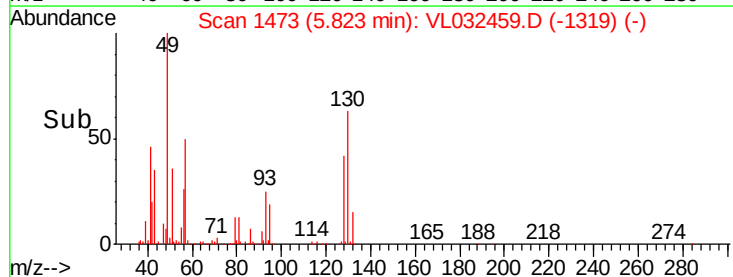
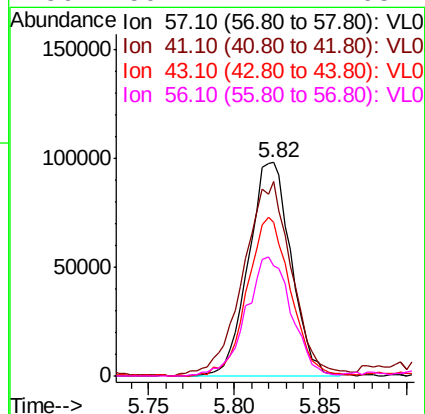
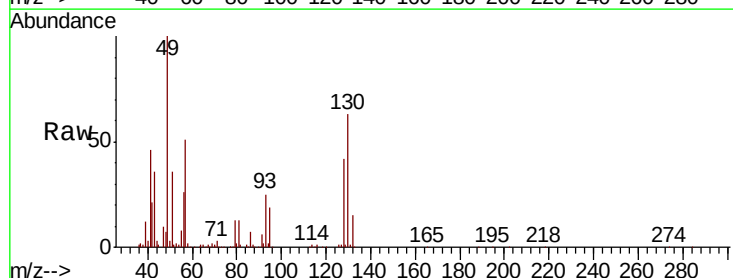
Instrument :  
MSVOA\_L  
ClientSampleId :  
VP-5DL

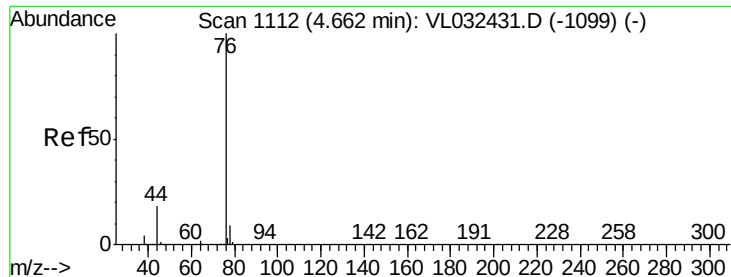
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 126353 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 1.6   | 8.0   | 12.0#  |
| 61       | 0.6   | 7.6   | 11.4#  |
| 70       | 3.0   | 5.8   | 8.8#   |



#26  
Hexane  
Concen: 1.081 ppbv  
RT: 5.82 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 168934 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 101.2 | 69.0  | 103.4  |
| 43       | 74.8  | 172.1 | 258.1# |
| 56       | 59.1  | 42.2  | 63.2   |





#27

Carbon Disulfide

Concen: 0.058 ppbv

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

VP-5DL

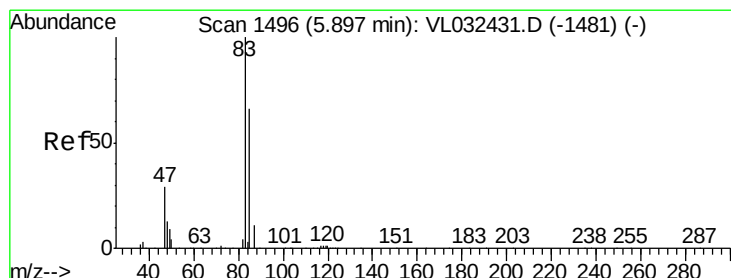
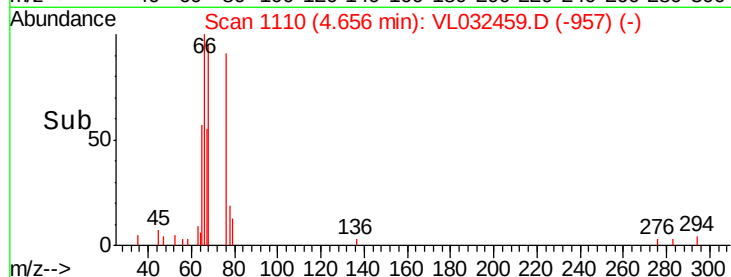
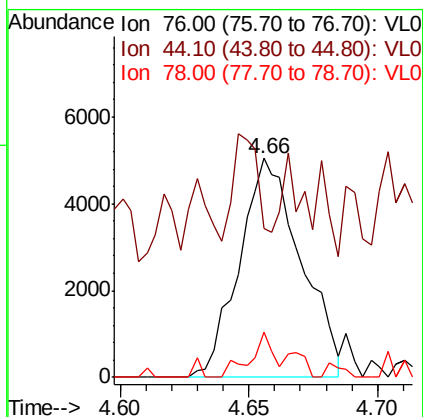
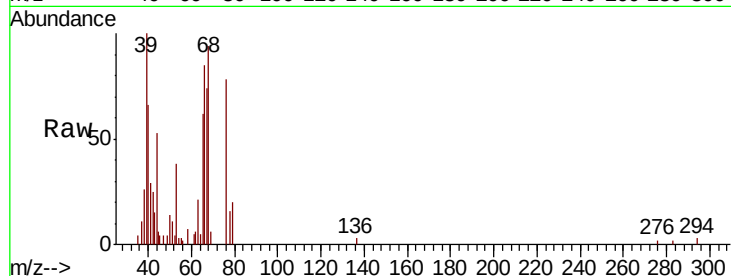
Tgt Ion: 76 Resp: 8421

Ion Ratio Lower Upper

76 100

44 19.0 14.0 21.0

78 14.3 7.5 11.3#



#29

Chloroform

Concen: 0.037 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL032459.D

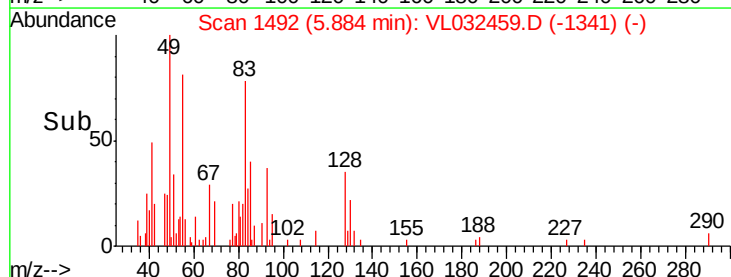
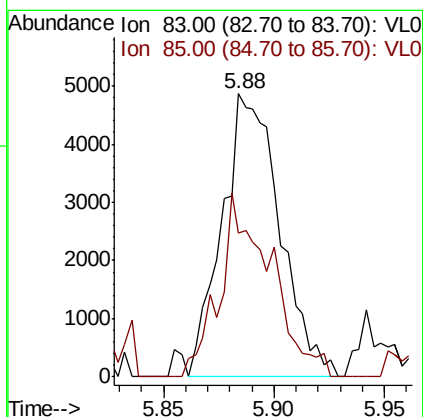
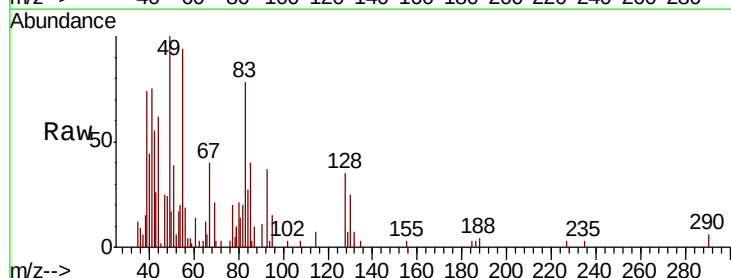
Acq: 5 Sep 2018 16:00

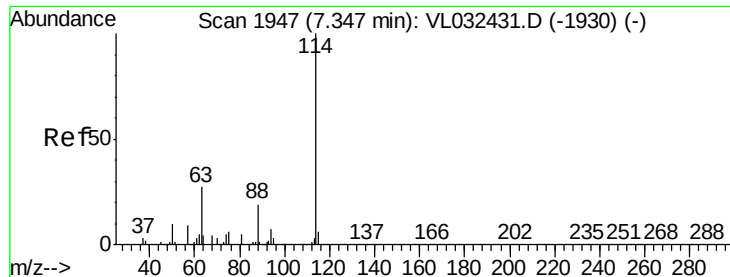
Tgt Ion: 83 Resp: 8818

Ion Ratio Lower Upper

83 100

85 54.5 52.5 78.7

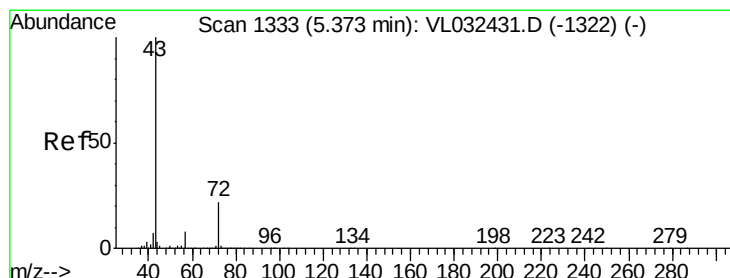
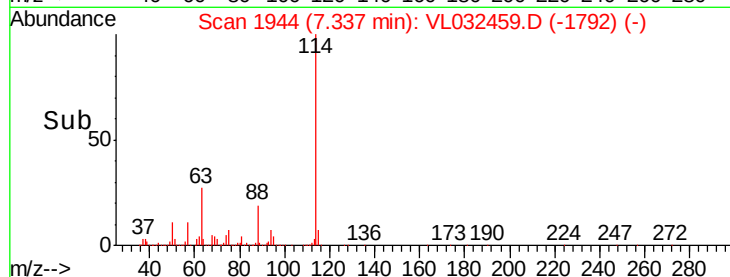
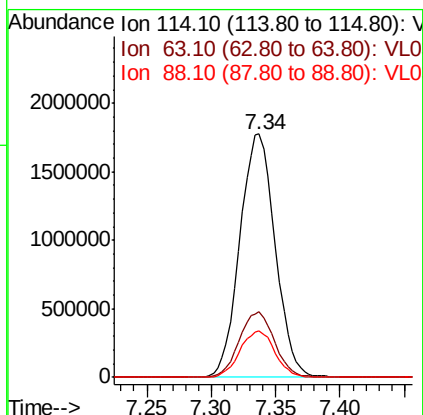
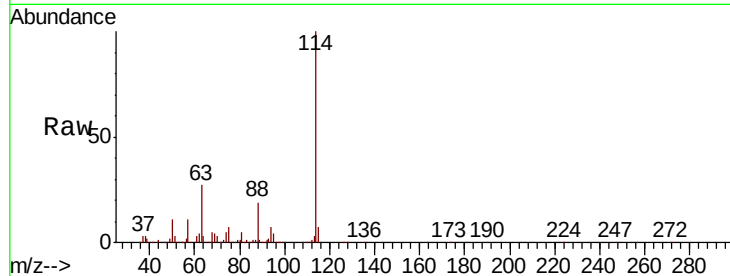




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.34 min Scan# 1944  
 Delta R.T. -0.01 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

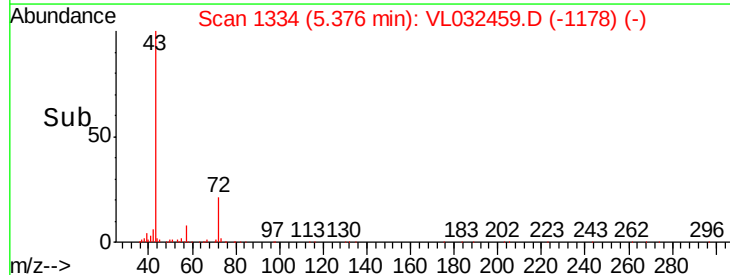
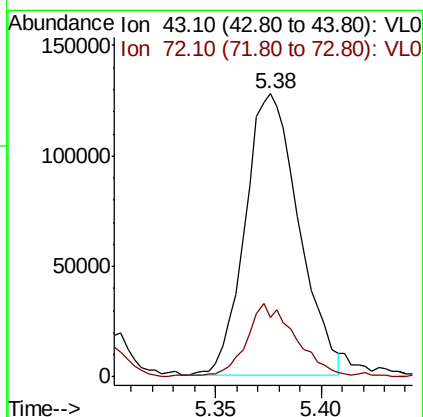
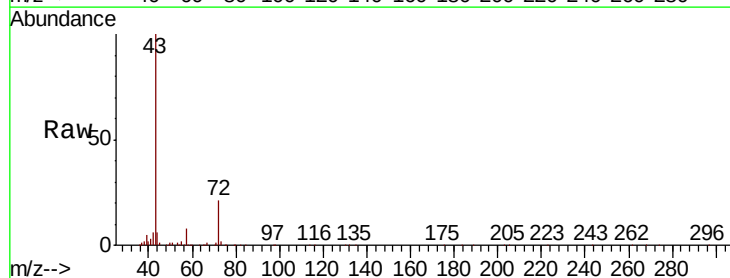
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VP-5DL

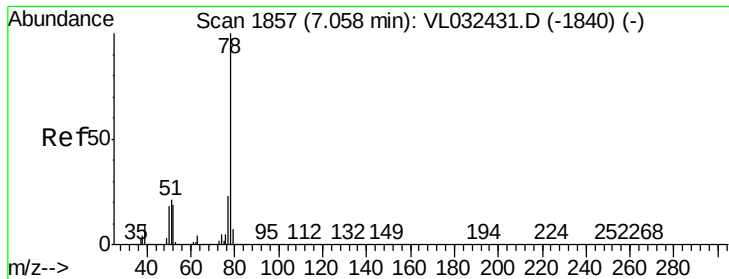
Tgt Ion: 114 Resp: 3387886  
 Ion Ratio Lower Upper  
 114 100  
 63 26.9 22.2 33.4  
 88 19.0 15.0 22.4



#34  
 2-Butanone  
 Concen: 1.000 ppbv  
 RT: 5.38 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

Tgt Ion: 43 Resp: 225131  
 Ion Ratio Lower Upper  
 43 100  
 72 24.5 17.8 26.6





#36

Benzene

Concen: 0.242 ppbv

RT: 7.05 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

VP-5DL

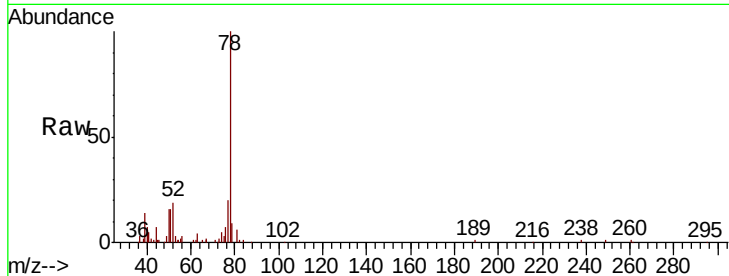
Tgt Ion: 78 Resp: 69700

Ion Ratio Lower Upper

78 100

77 19.9 18.4 27.6

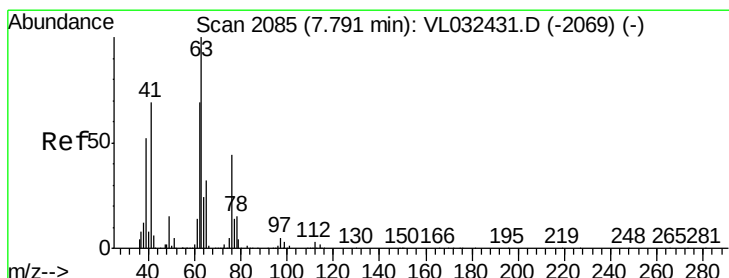
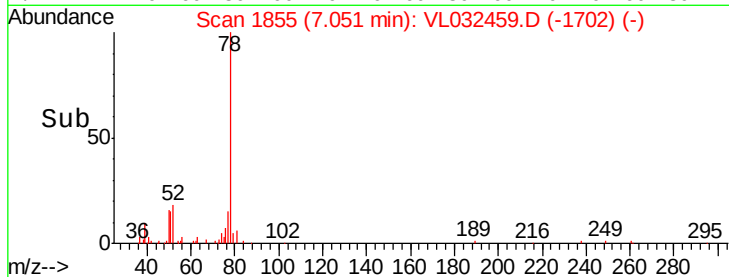
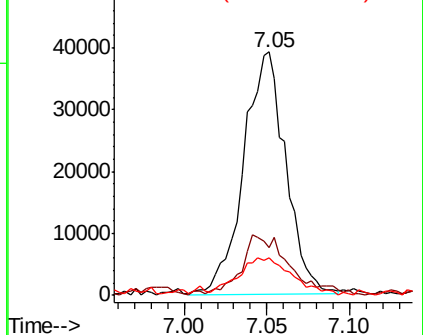
50 15.9 14.4 21.6



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.343 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

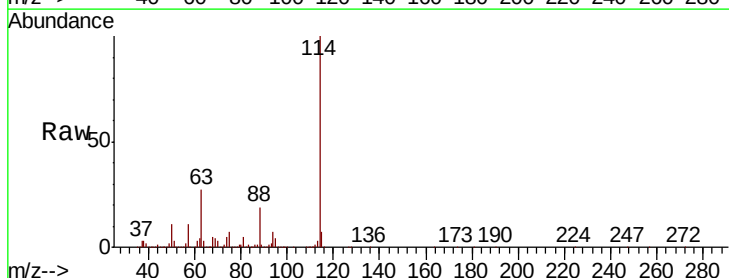
Tgt Ion: 63 Resp: 905769

Ion Ratio Lower Upper

63 100

41 0.5 55.4 83.0#

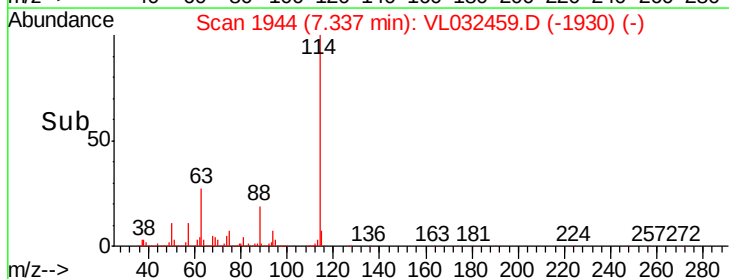
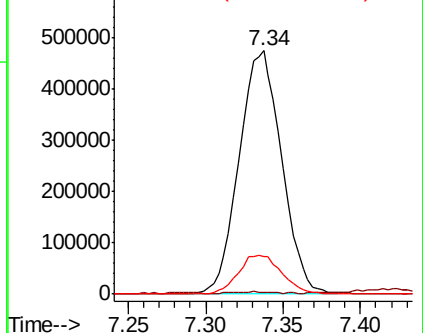
62 15.3 55.4 83.0#

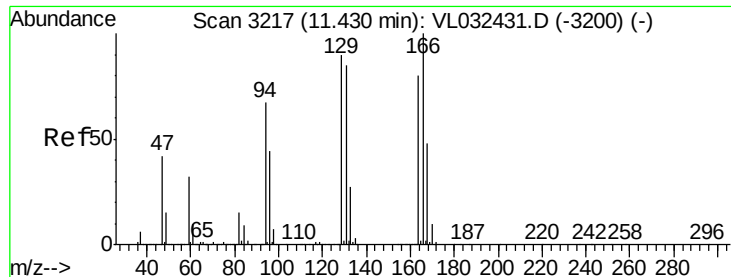


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.061 ppbv

RT: 11.43 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

Instrument :

MSVOA\_L

ClientSampleId :

VP-5DL

Tgt Ion:164 Resp: 5446

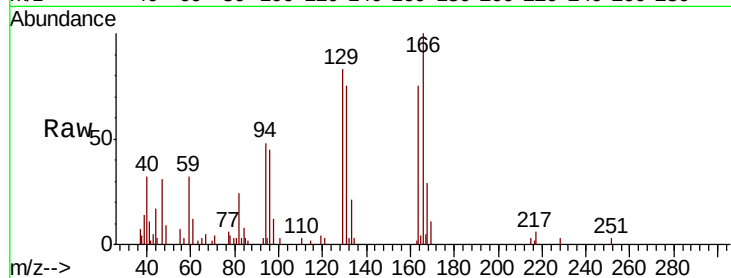
Ion Ratio Lower Upper

164 100

166 137.2 100.6 150.8

129 115.4 89.9 134.9

131 108.0 85.9 128.9



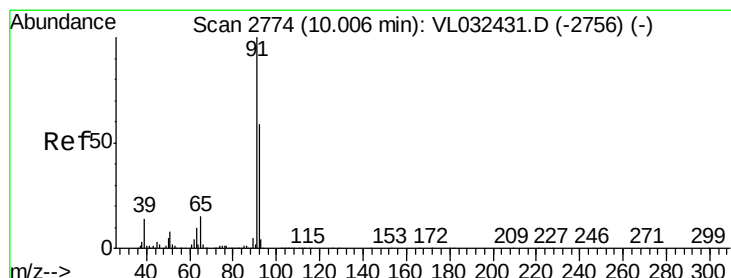
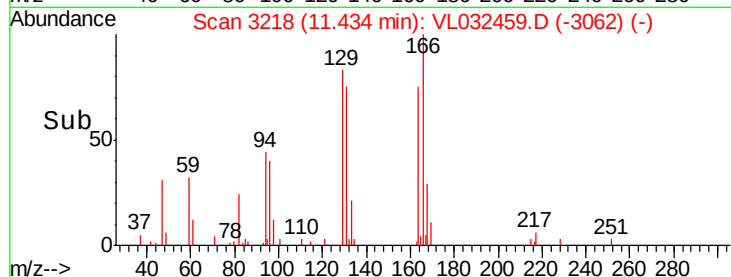
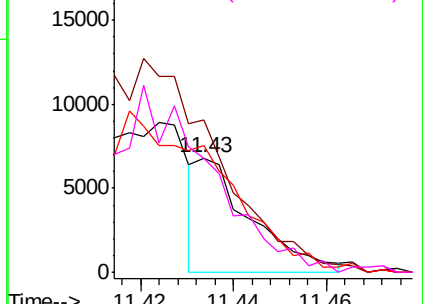
Abundance

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: 0.542 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032459.D

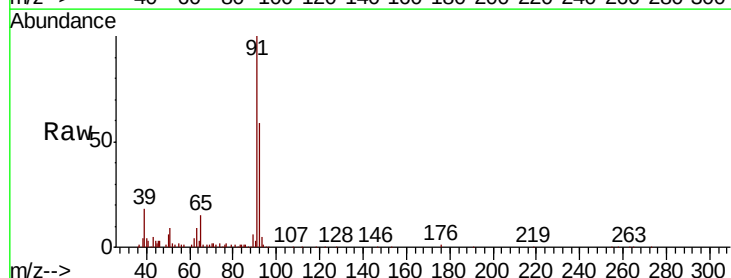
Acq: 5 Sep 2018 16:00

Tgt Ion: 91 Resp: 163264

Ion Ratio Lower Upper

91 100

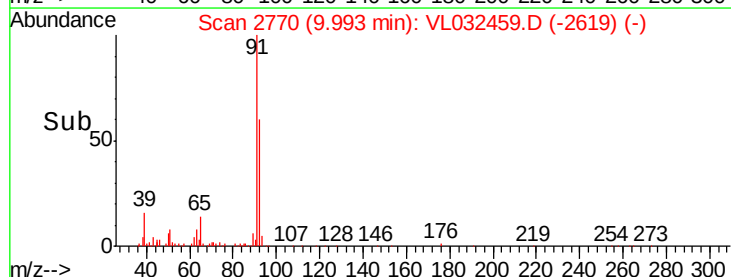
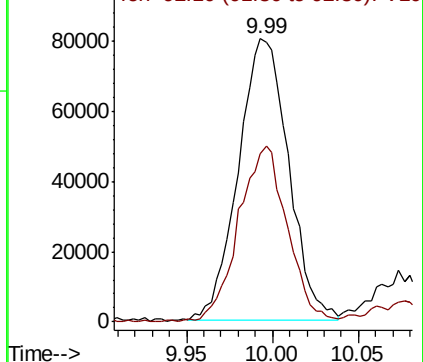
92 60.9 48.1 72.1

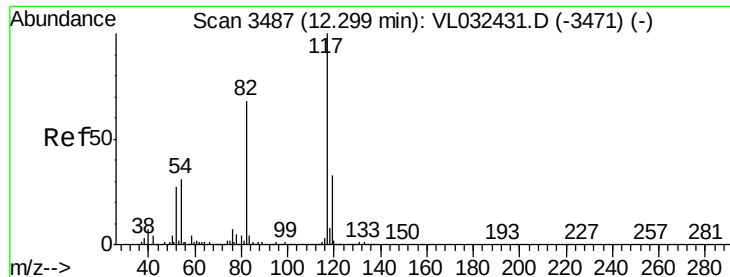


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

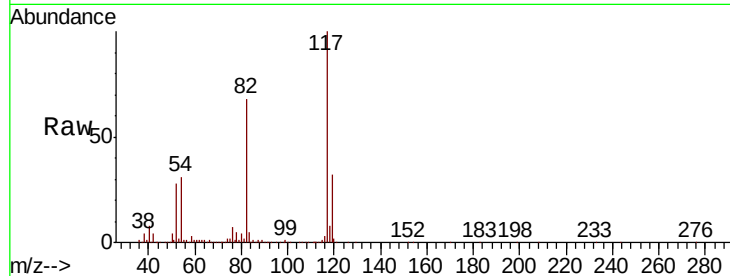




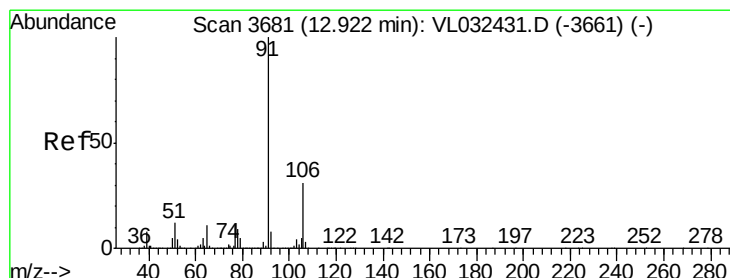
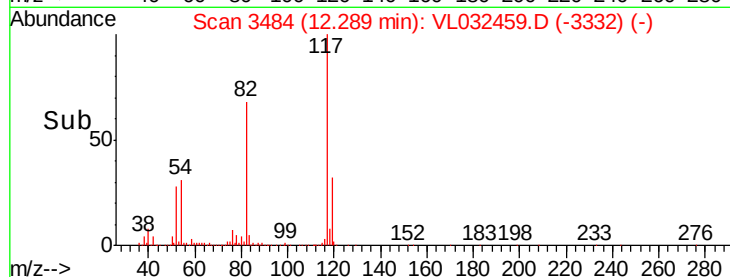
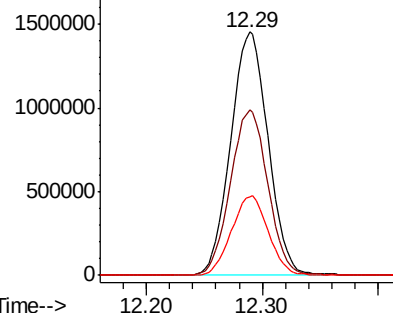
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.29 min Scan# 3484  
Delta R.T. -0.01 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
VP-5DL

Tgt Ion: 117 Resp: 3263025  
Ion Ratio Lower Upper  
117 100  
82 68.7 53.0 79.6  
119 32.5 45.9 68.9#

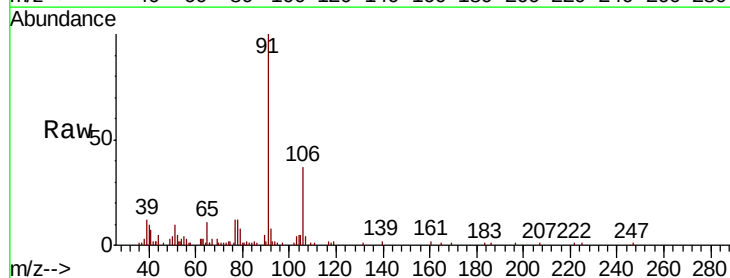


Abundance Ion 117.10 (116.80 to 117.80): V  
2000000 Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

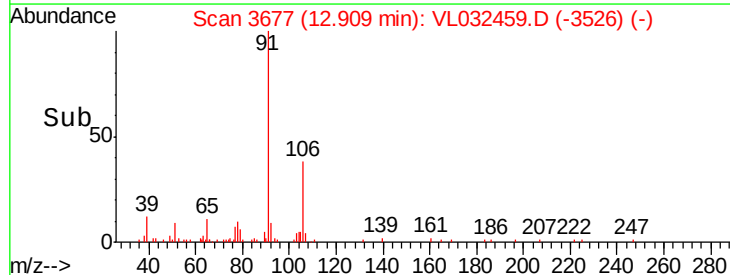
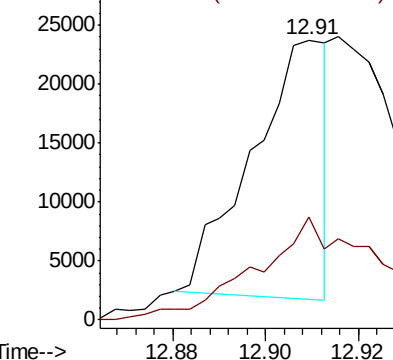


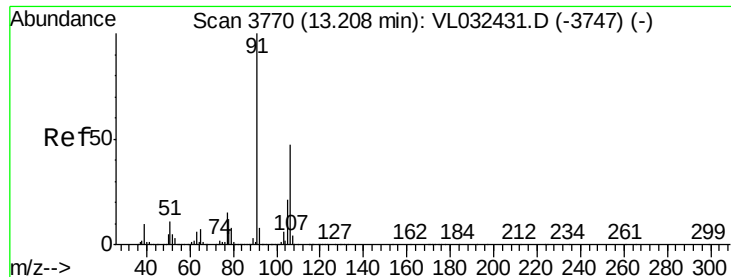
#58  
Ethyl Benzene  
Concen: 0.063 ppbv  
RT: 12.91 min Scan# 3677  
Delta R.T. -0.01 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

Tgt Ion: 91 Resp: 24544  
Ion Ratio Lower Upper  
91 100  
106 37.1 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 106.10 (105.80 to 106.80): V

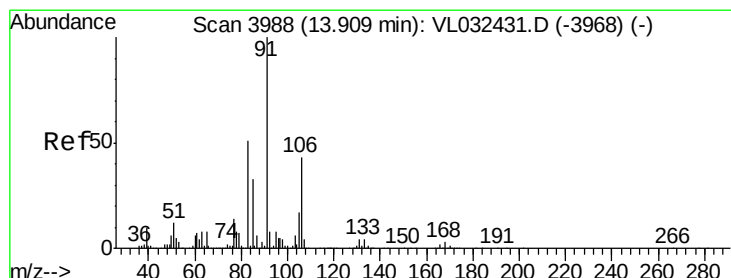
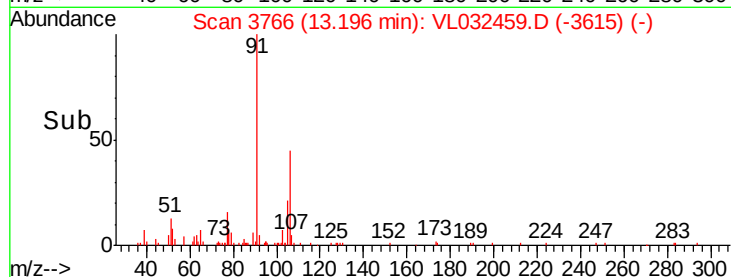
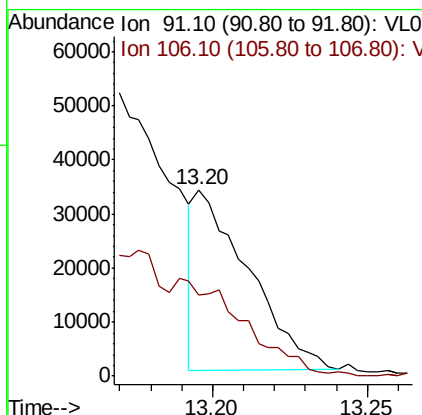
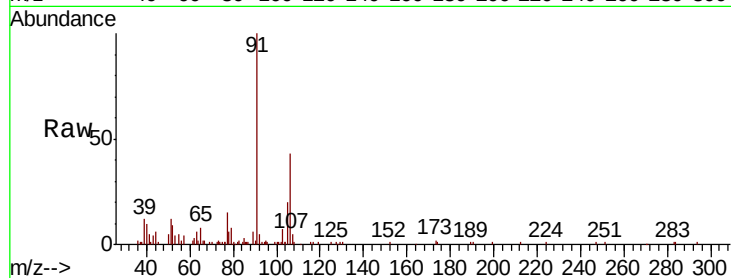




#59  
m/p-Xylene  
Concen: 0.115 ppbv  
RT: 13.20 min Scan# 3766  
Delta R.T. -0.01 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

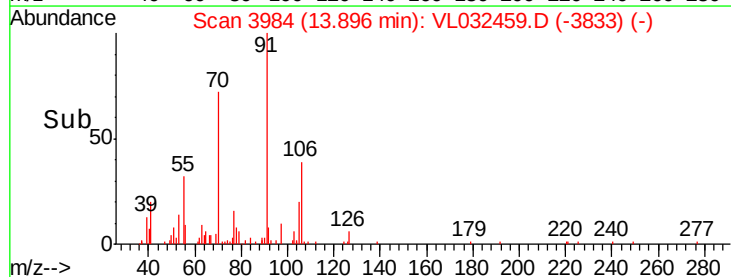
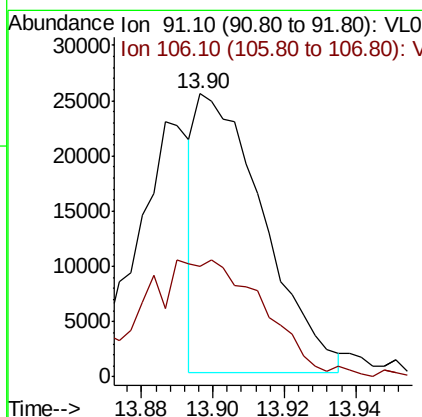
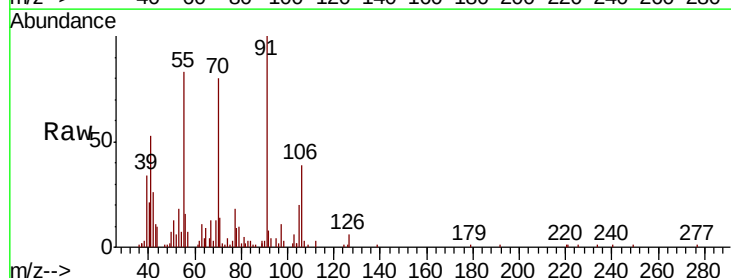
Instrument :  
MSVOA\_L  
ClientSampled :  
VP-5DL

Tgt Ion: 91 Resp: 40188  
Ion Ratio Lower Upper  
91 100  
106 0.0 36.6 55.0#

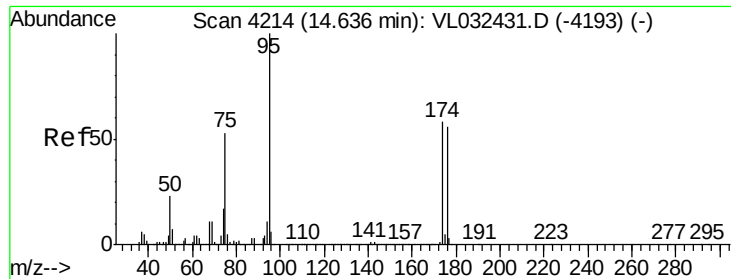


#60  
o-Xylene  
Concen: 0.096 ppbv  
RT: 13.90 min Scan# 3984  
Delta R.T. -0.01 min  
Lab File: VL032459.D  
Acq: 5 Sep 2018 16:00

Tgt Ion: 91 Resp: 32988  
Ion Ratio Lower Upper  
91 100  
106 0.0 21.9 65.7#



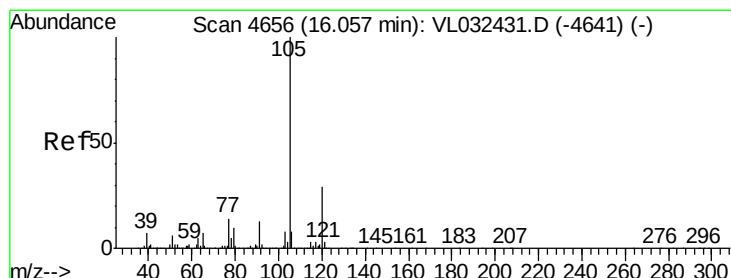
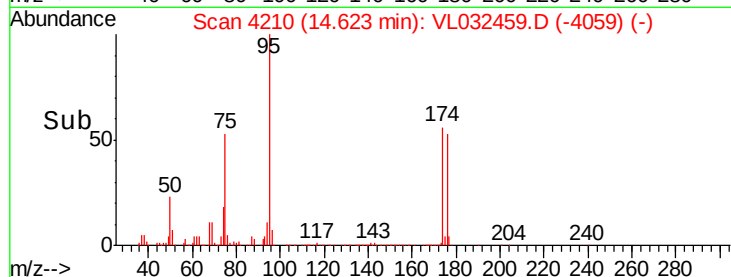
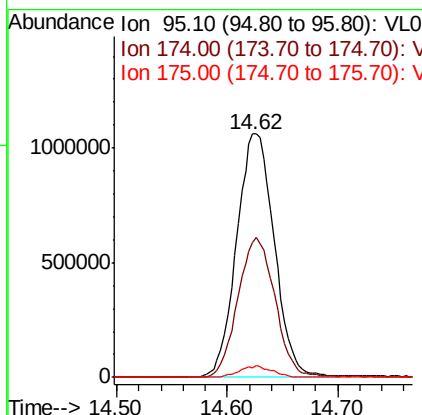
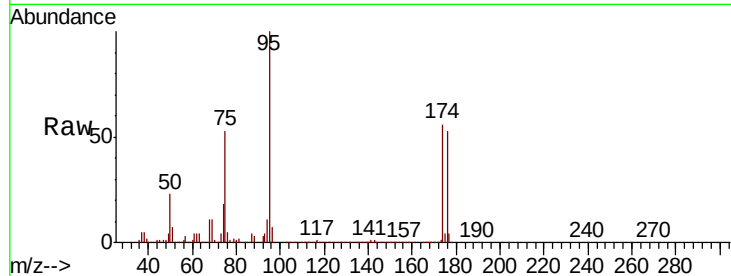




#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.366 ppbv  
 RT: 14.62 min Scan# 4210  
 Delta R.T. -0.01 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

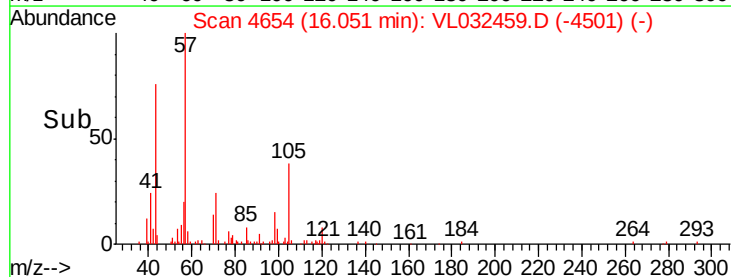
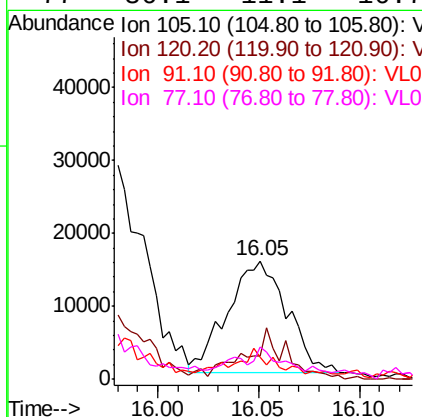
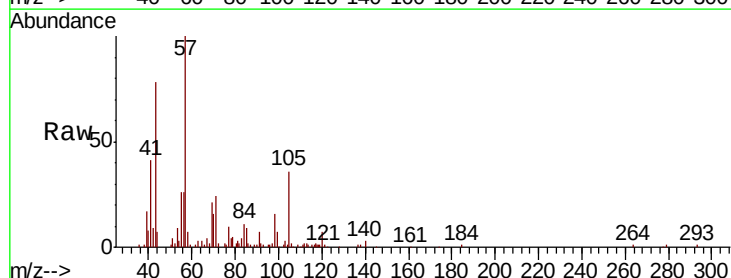
Instrument :  
 MSVOA\_L  
 ClientSampled :  
 VP-5DL

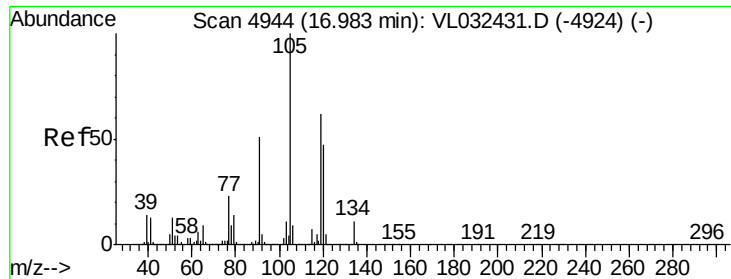
Tgt Ion: 95 Resp: 2511326  
 Ion Ratio Lower Upper  
 95 100  
 174 57.3 46.3 69.5  
 175 4.2 3.4 5.0



#72  
 4-Ethyltoluene  
 Concen: 0.085 ppbv  
 RT: 16.05 min Scan# 4654  
 Delta R.T. -0.01 min  
 Lab File: VL032459.D  
 Acq: 5 Sep 2018 16:00

Tgt Ion: 105 Resp: 31800  
 Ion Ratio Lower Upper  
 105 100  
 120 31.3 23.5 35.3  
 91 22.3 10.2 15.2#  
 77 36.1 11.1 16.7#





#74

1,2,4-Trimethylbenzene

Concen: 0.191 ppbv

RT: 16.97 min Scan# 4941

Delta R.T. -0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

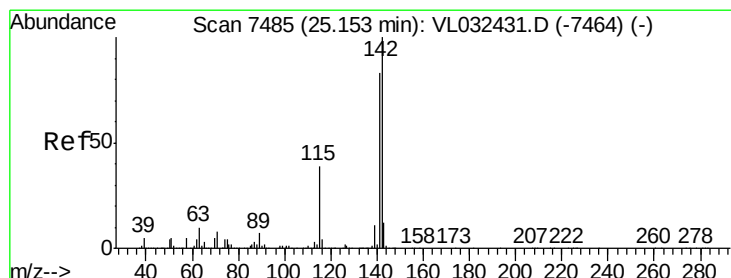
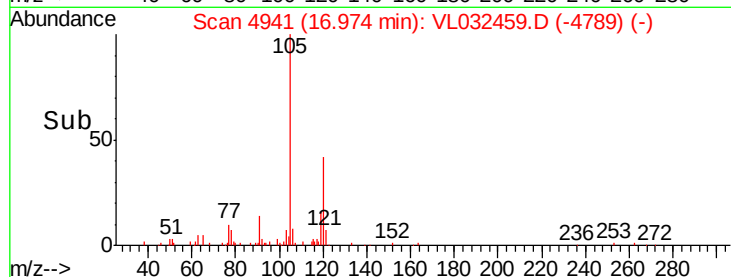
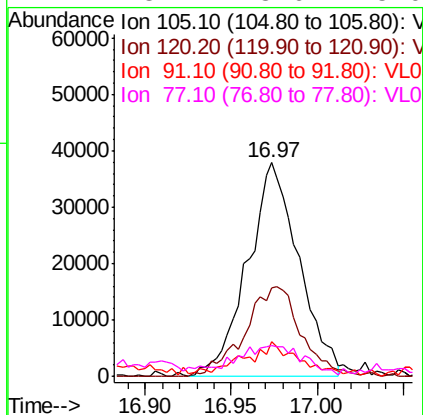
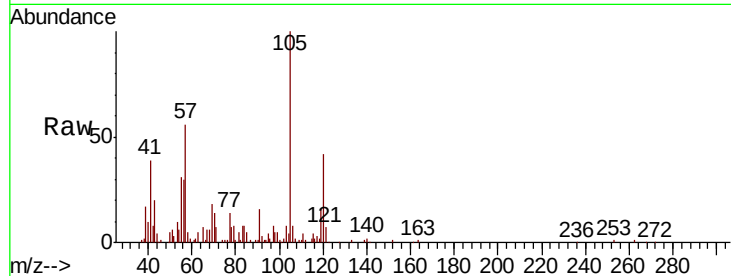
Instrument :

MSVOA\_L

ClientSampleId :

VP-5DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 78221 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 41.6  | 37.8  | 56.8  |
| 91       | 14.9  | 41.4  | 62.0# |
| 77       | 13.4  | 18.6  | 28.0# |



#80

Naphthalene, 2-methyl-

Concen: 0.036 ppbv

RT: 25.16 min Scan# 7488

Delta R.T. 0.01 min

Lab File: VL032459.D

Acq: 5 Sep 2018 16:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 3165  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 96.3  | 67.0  | 100.6 |
| 115      | 60.9  | 31.3  | 46.9# |

