

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\  
 Data File : VL034998.D  
 Acq On : 12 May 2020 22:16  
 Operator : SY/AP  
 Sample : L2567-05DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-3DL

Quant Time: May 13 01:13:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 06 14:49:39 2020  
 QLast Update : Wed May 06 14:49:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1047375  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2473639  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2293336  | 10.00 | ppbv  | -0.02    |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc | Units   | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------|---------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1856084  | 10.00    | ppbv | -0.02   |          |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.00% |          |

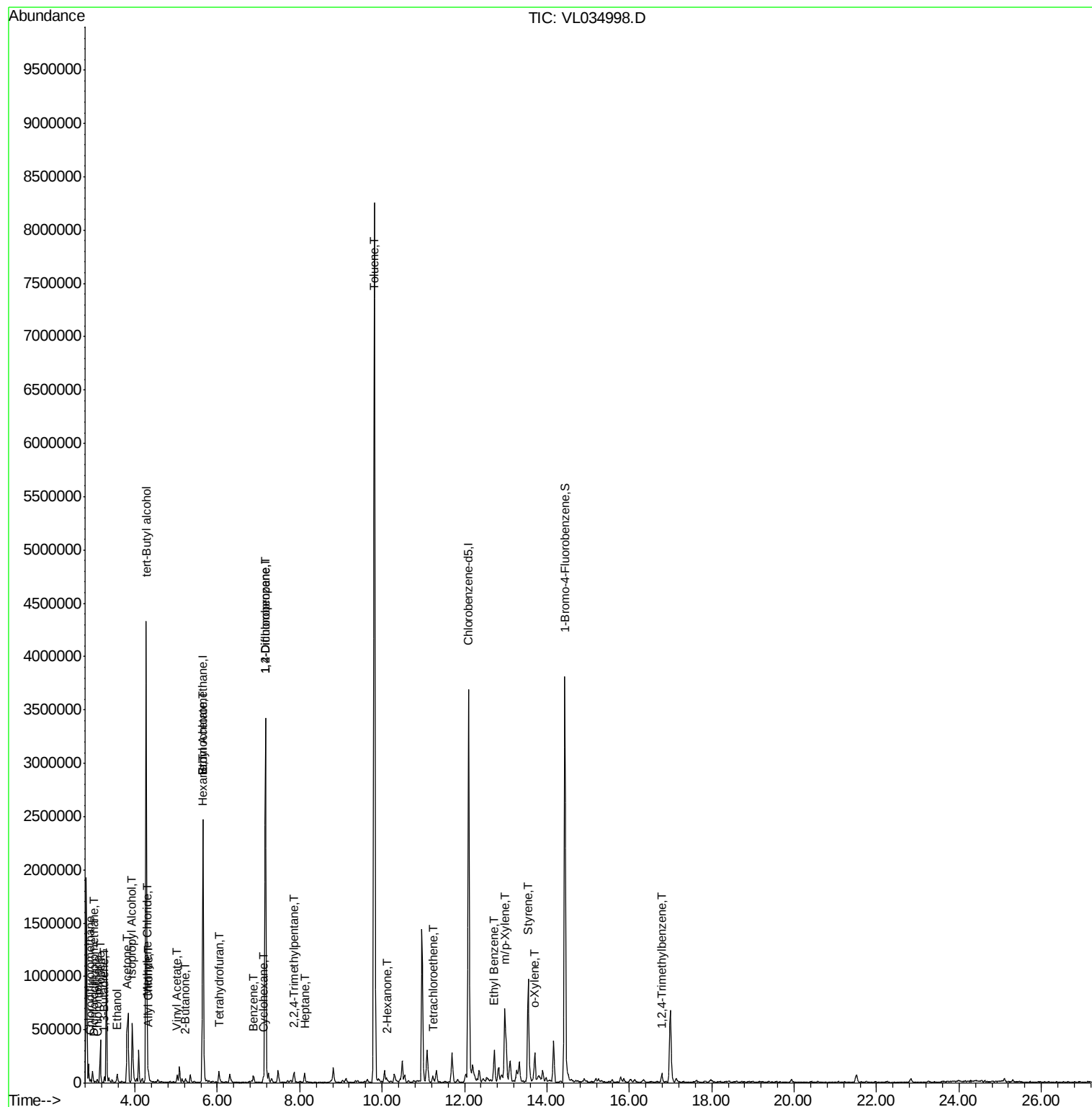
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.01  | 85   | 7169     | 0.048  | ppbv # | 83     |
| 3) Chlorodifluoromethane   | 2.92  | 51   | 16381    | 0.137  | ppbv # | 70     |
| 4) Chloromethane           | 3.10  | 50   | 1904     | 0.028  | ppbv   | 92     |
| 9) Propene                 | 3.16  | 41   | 103302   | 1.991  | ppbv   | 98     |
| 10) Heptane                | 8.11  | 43   | 18876    | 0.145  | ppbv # | 26     |
| 13) Ethanol                | 3.56  | 45   | 82905    | 4.842  | ppbv   | 97     |
| 15) Acetone                | 3.81  | 43   | 489042   | 3.532  | ppbv   | 96     |
| 16) 1,3-Butadiene          | 3.26  | 39   | 13824    | 0.232  | ppbv # | 50     |
| 17) tert-Butyl alcohol     | 4.27  | 59   | 393533   | 3.194  | ppbv # | 71     |
| 19) Isopropyl Alcohol      | 3.93  | 45   | 619610   | 6.710  | ppbv   | 99     |
| 20) Methylene Chloride     | 4.31  | 84   | 21285    | 0.464  | ppbv   | 91     |
| 21) Allyl Chloride         | 4.34  | 41   | 2515     | 0.032  | ppbv # | 1      |
| 23) Vinyl Acetate          | 5.03  | 43   | 10958    | 0.062  | ppbv # | 1      |
| 25) Ethyl Acetate          | 5.65  | 43   | 289265   | 1.244  | ppbv   | 97     |
| 26) Hexane                 | 5.66  | 57   | 93023    | 0.923  | ppbv # | 65     |
| 30) Cyclohexane            | 7.11  | 84   | 9093     | 0.117  | ppbv # | 42     |
| 34) 2-Butanone             | 5.22  | 43   | 35140    | 0.229  | ppbv   | 98     |
| 36) Benzene                | 6.88  | 78   | 20199    | 0.099  | ppbv # | 81     |
| 39) 1,2-Dichloropropane    | 7.17  | 63   | 653858   | 7.998  | ppbv # | 25     |
| 41) Tetrahydrofuran        | 6.04  | 42   | 25855    | 0.319  | ppbv # | 37     |
| 44) 2,2,4-Trimethylpentane | 7.86  | 57   | 35697    | 0.098  | ppbv # | 16     |
| 51) 2-Hexanone             | 10.12 | 43   | 5399     | 0.031  | ppbv # | 62     |
| 52) Tetrachloroethene      | 11.23 | 164  | 4708     | 0.065  | ppbv # | 86     |
| 53) Toluene                | 9.81  | 91   | 6665664  | 30.832 | ppbv   | 95     |
| 58) Ethyl Benzene          | 12.72 | 91   | 259436   | 0.915  | ppbv   | 93     |
| 59) m/p-Xylene             | 12.98 | 91   | 717434   | 2.875  | ppbv # | 59     |
| 60) o-Xylene               | 13.71 | 91   | 208400   | 0.846  | ppbv   | 98     |
| 61) Styrene                | 13.55 | 104  | 542887   | 3.484  | ppbv   | 99     |
| 74) 1,2,4-Trimethylbenzene | 16.79 | 105  | 52169    | 0.179  | ppbv # | 77     |

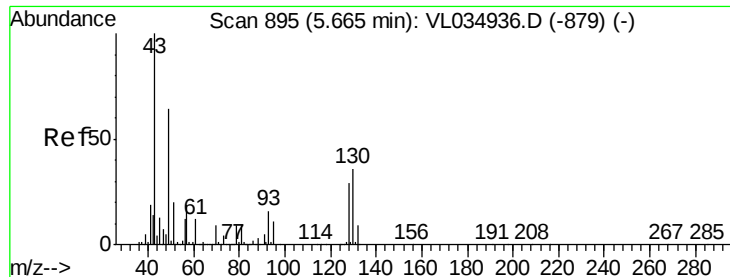
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
IA-3DL

Quant Time: May 13 01:13:27 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed May 06 14:49:39 2020  
QLast Update : Wed May 06 14:49:39 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

IA-3DL

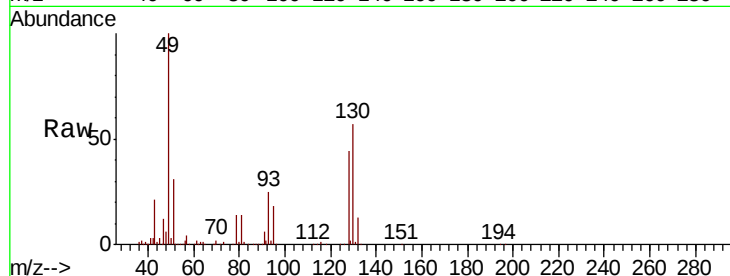
Tot Ion: 49 Resp: 1047375

Ion Ratio Lower Upper

49 100

128 44.8 22.1 66.5

130 58.2 29.1 87.3



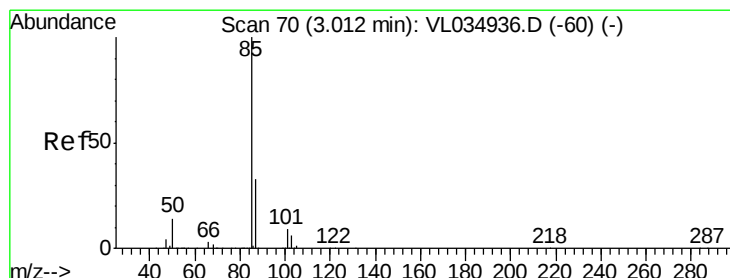
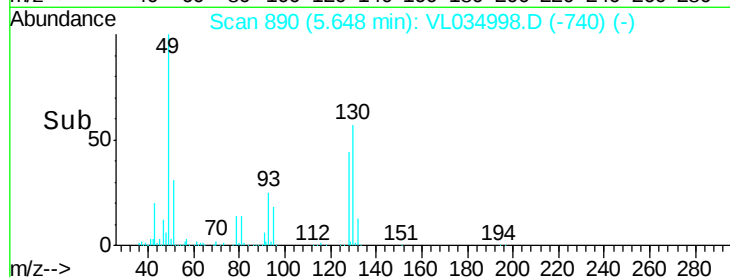
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 0.048 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL034998.D

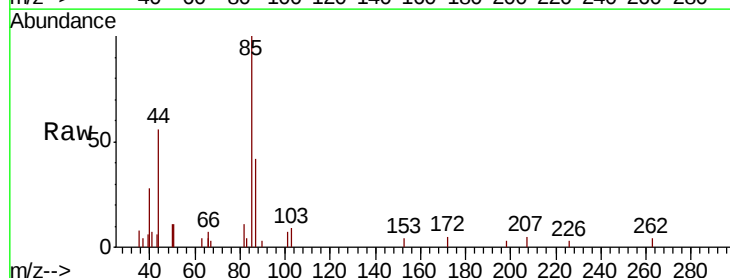
Acq: 12 May 2020 22:16

Tgt Ion: 85 Resp: 7169

Ion Ratio Lower Upper

85 100

87 42.0 26.2 39.2#

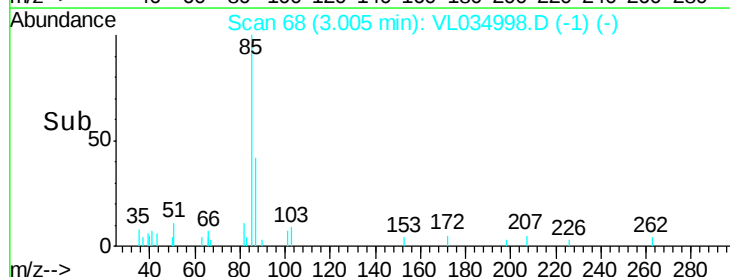


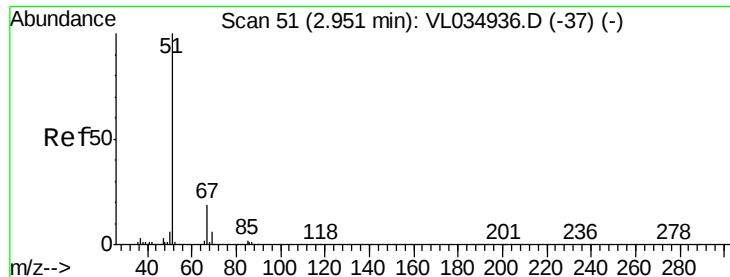
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->





#3

Chlorodifluoromethane

Concen: 0.137 ppbv

RT: 2.92 min Scan# 40

Delta R.T. -0.04 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

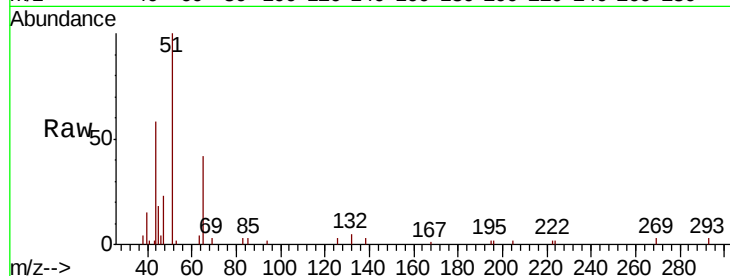
IA-3DL

Tot Ion: 51 Resp: 16381

Ion Ratio Lower Upper

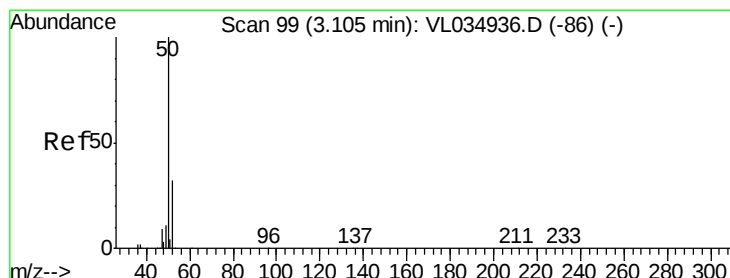
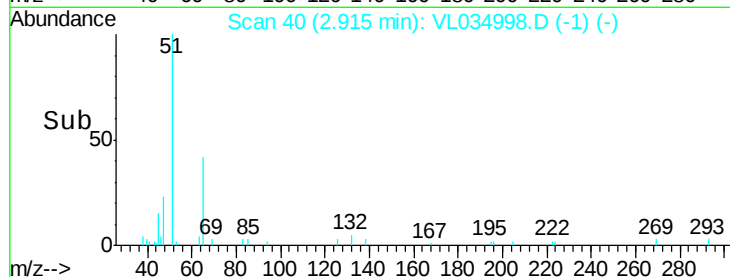
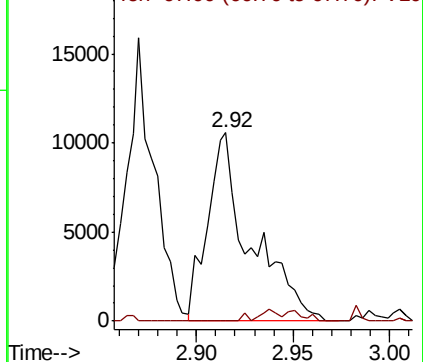
51 100

67 5.3 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.028 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.01 min

Lab File: VL034998.D

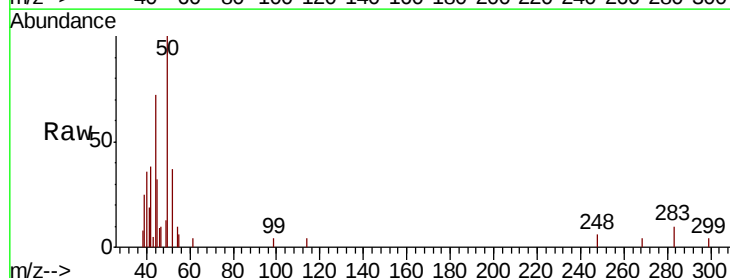
Acq: 12 May 2020 22:16

Tgt Ion: 50 Resp: 1904

Ion Ratio Lower Upper

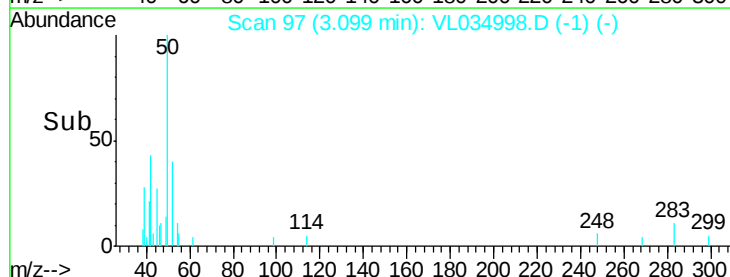
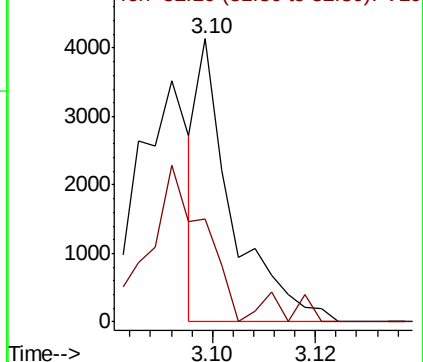
50 100

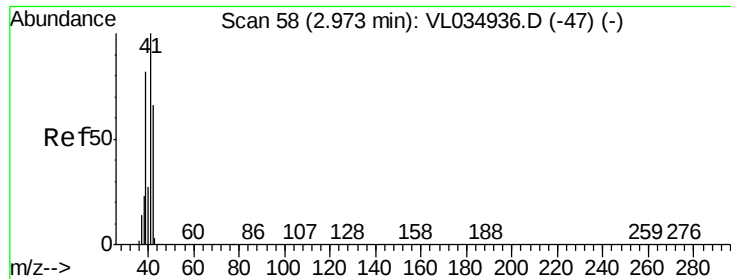
52 36.5 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.991 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.18 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

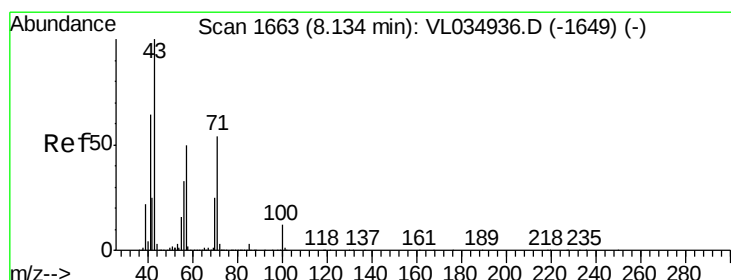
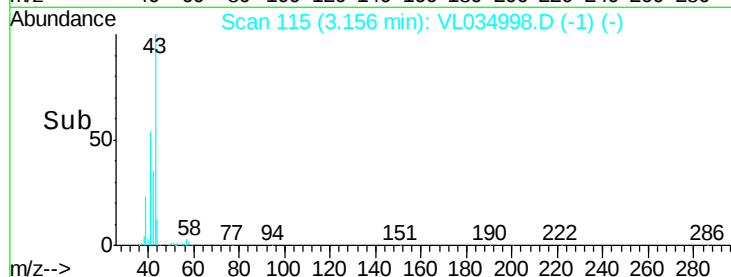
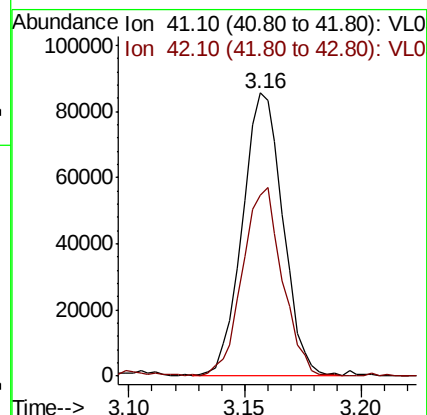
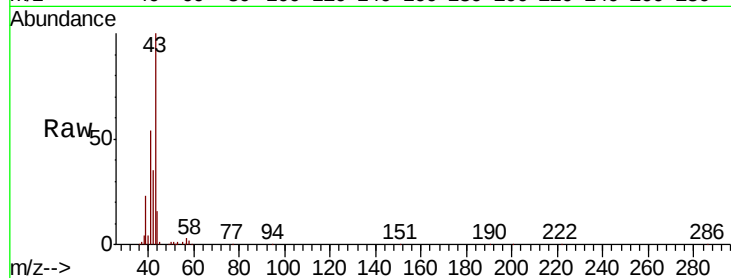
IA-3DL

Tot Ion: 41 Resp: 103302

Ion Ratio Lower Upper

41 100

42 66.4 54.5 81.7



#10

Heptane

Concen: 0.145 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL034998.D

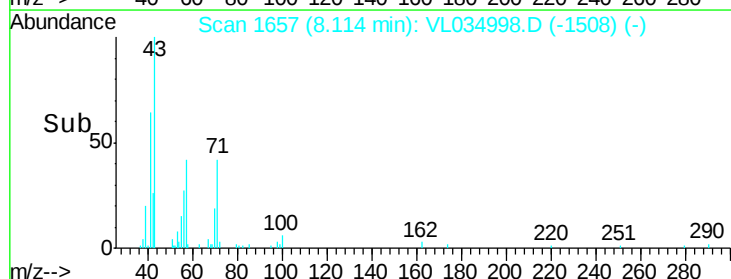
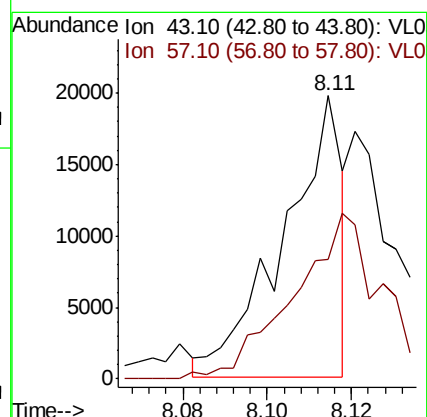
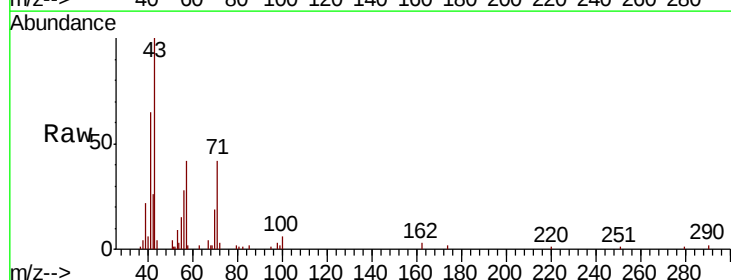
Acq: 12 May 2020 22:16

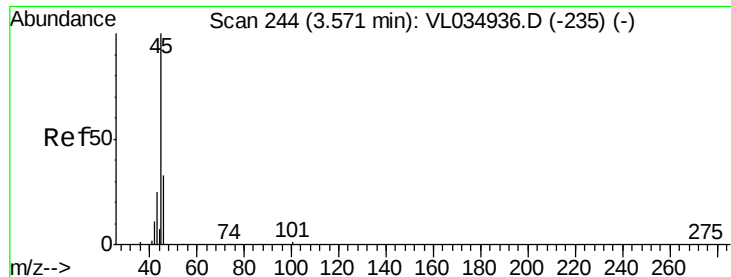
Tgt Ion: 43 Resp: 18876

Ion Ratio Lower Upper

43 100

57 0.0 41.1 61.7#

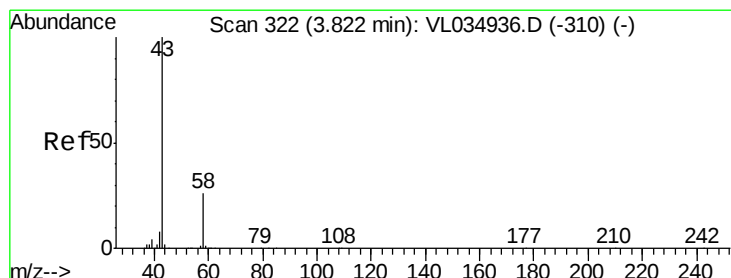
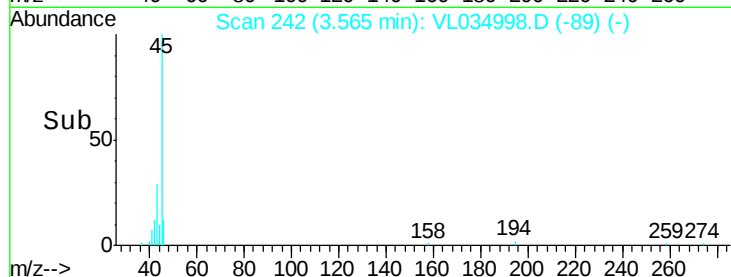
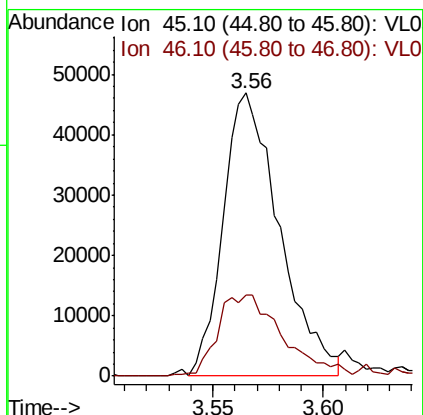
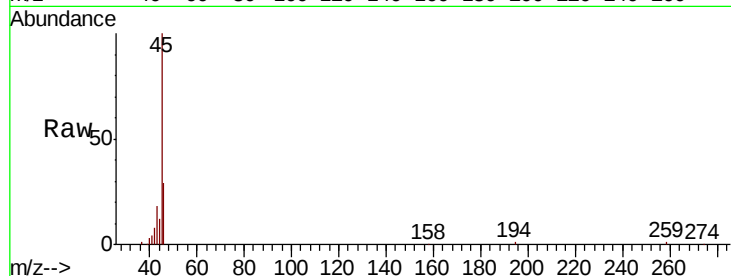




#13  
Ethanol  
Concen: 4.842 ppbv  
RT: 3.56 min Scan# 242  
Delta R.T. -0.01 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

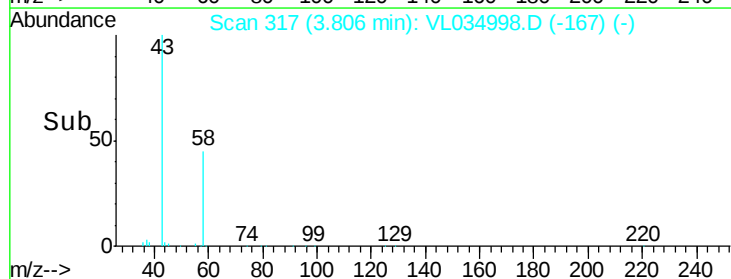
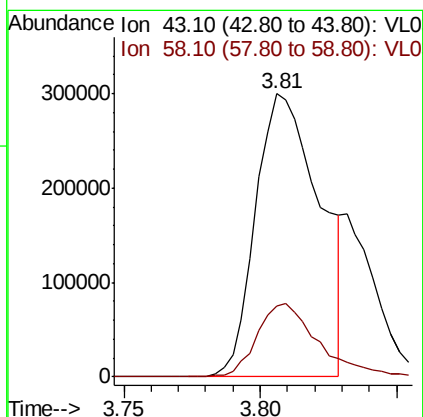
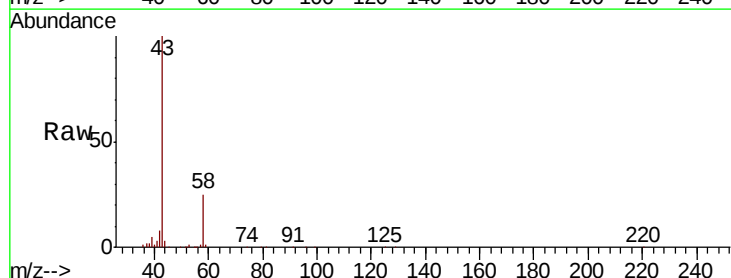
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3DL

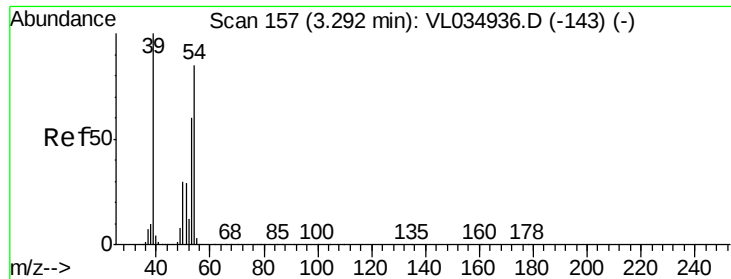
Tot Ion: 45 Resp: 82905  
Ion Ratio Lower Upper  
45 100  
46 34.1 14.3 57.3



#15  
Acetone  
Concen: 3.532 ppbv  
RT: 3.81 min Scan# 317  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

Tgt Ion: 43 Resp: 489042  
Ion Ratio Lower Upper  
43 100  
58 25.1 21.7 32.5

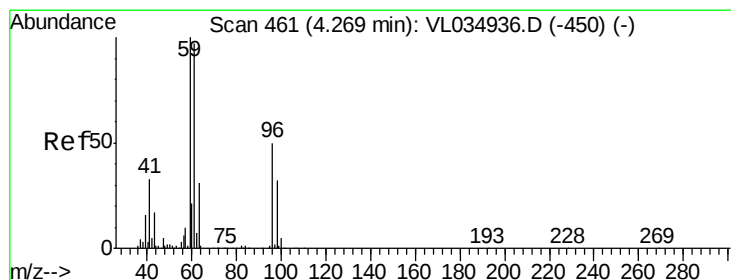
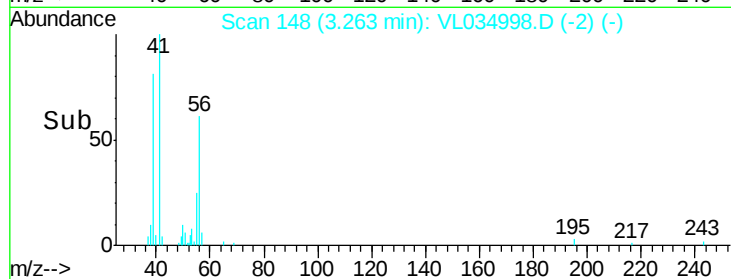
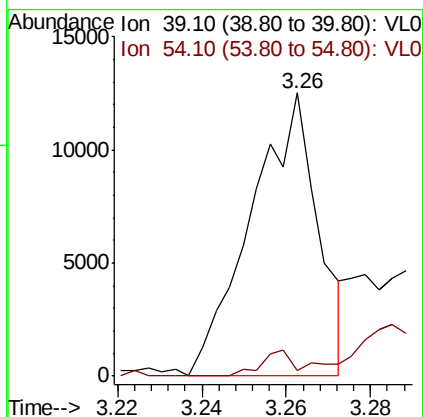
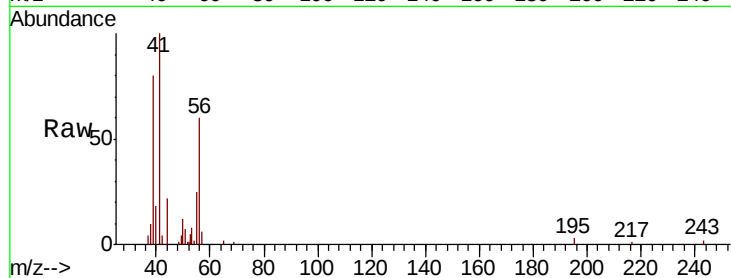




#16  
 1,3-Butadiene  
 Concen: 0.232 ppbv  
 RT: 3.26 min Scan# 148  
 Delta R.T. -0.03 min  
 Lab File: VL034998.D  
 Acq: 12 May 2020 22:16

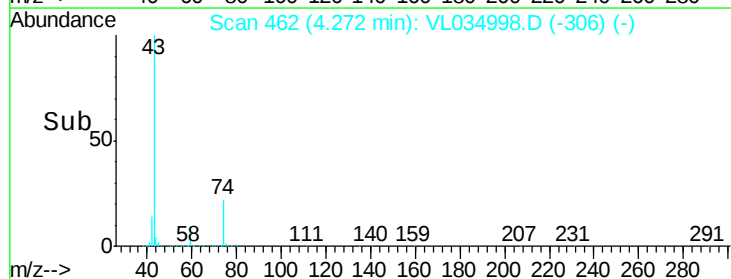
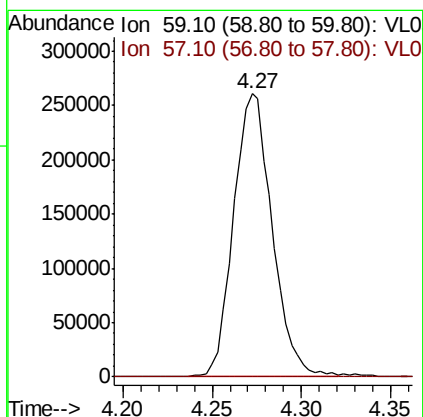
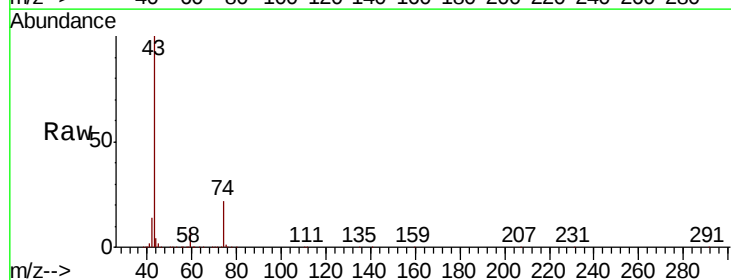
Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA-3DL

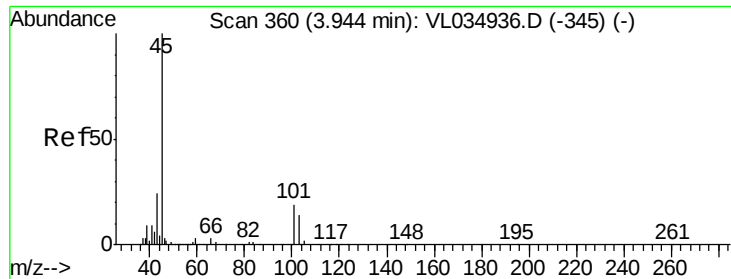
Tot Ion: 39 Resp: 13824  
 Ion Ratio Lower Upper  
 39 100  
 54 37.8 66.6 100.0#



#17  
 tert-Butyl alcohol  
 Concen: 3.194 ppbv  
 RT: 4.27 min Scan# 462  
 Delta R.T. 0.00 min  
 Lab File: VL034998.D  
 Acq: 12 May 2020 22:16

Tgt Ion: 59 Resp: 393533  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 6.710 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

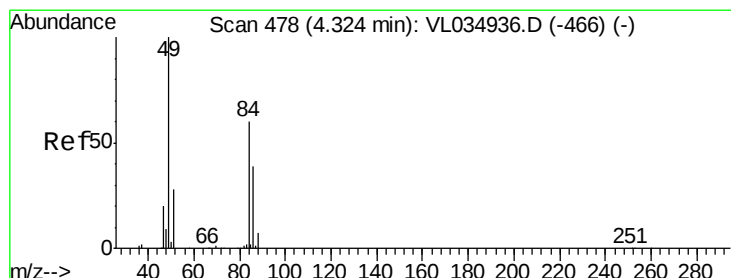
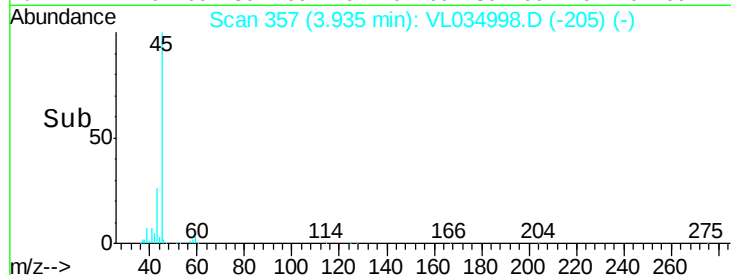
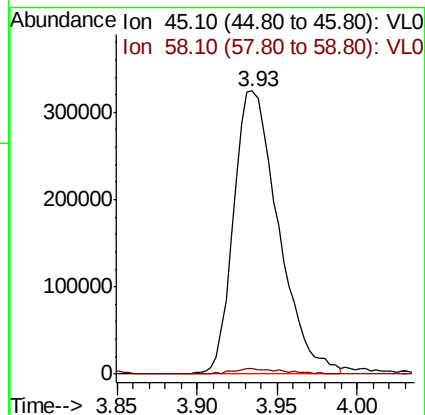
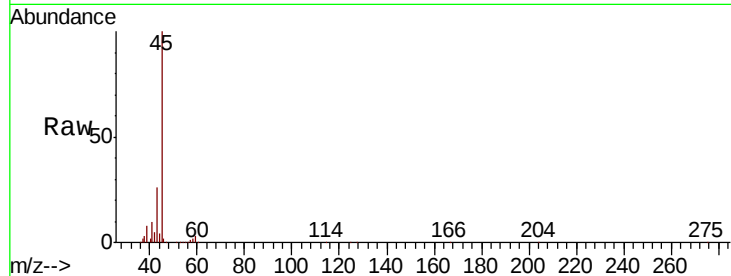
IA-3DL

Tot Ion: 45 Resp: 619610

Ion Ratio Lower Upper

45 100

58 2.5 1.7 2.5



#20

Methylene Chloride

Concen: 0.464 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Tgt Ion: 84 Resp: 21285

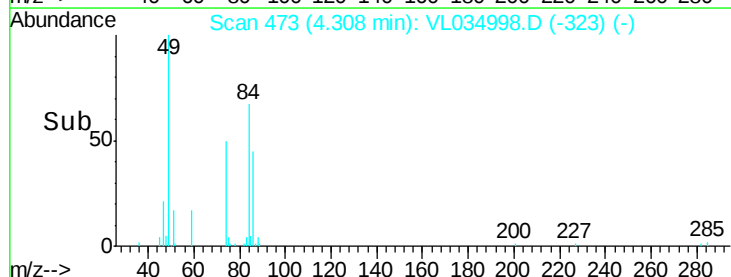
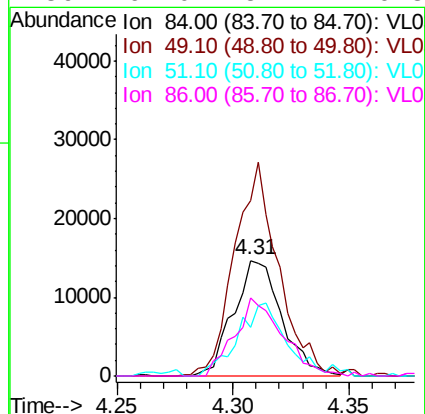
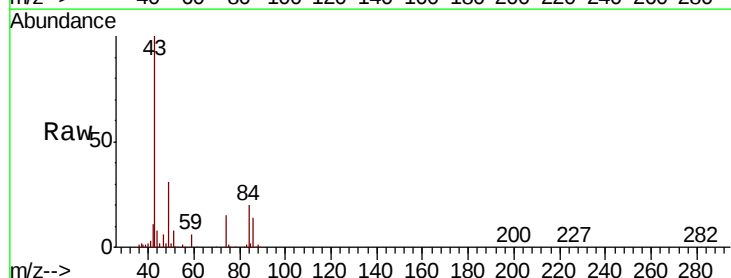
Ion Ratio Lower Upper

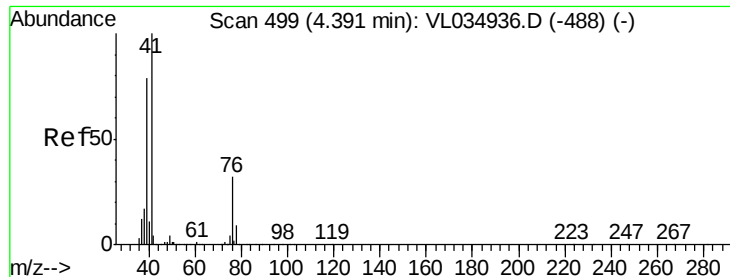
84 100

49 150.2 132.5 198.7

51 41.7 38.4 57.6

86 67.0 51.2 76.8

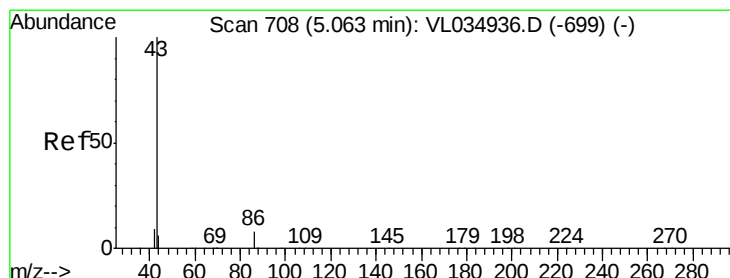
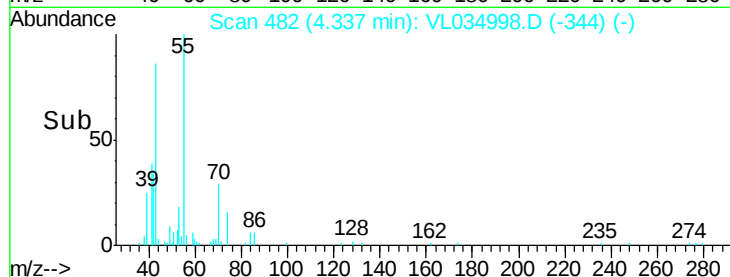
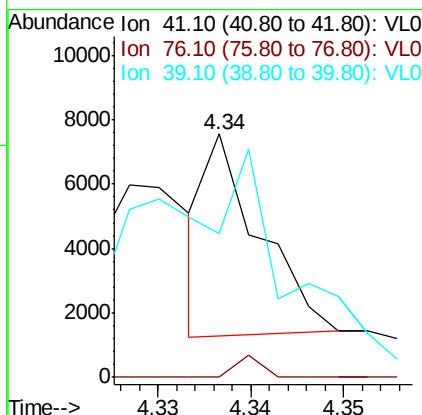
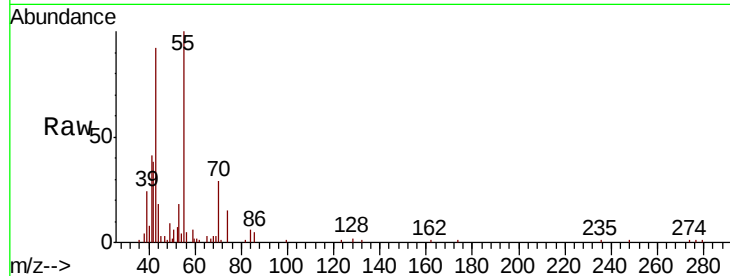




#21  
Allvl Chloride  
Concen: 0.032 ppbv  
RT: 4.34 min Scan# 482  
Delta R.T. -0.05 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

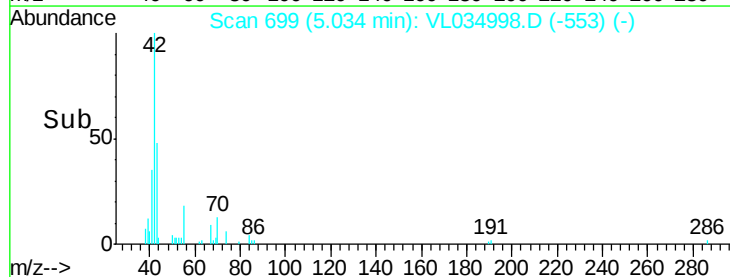
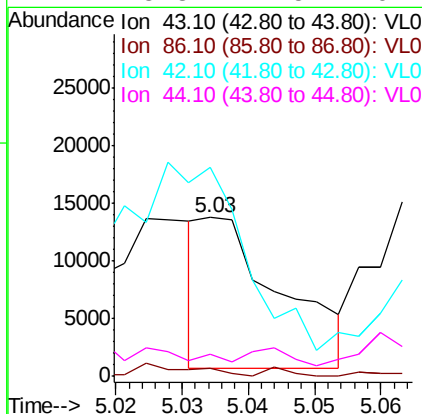
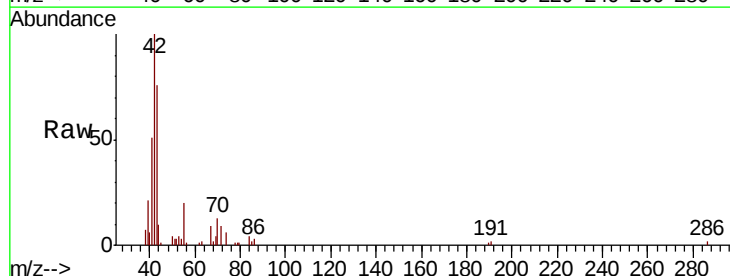
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3DL

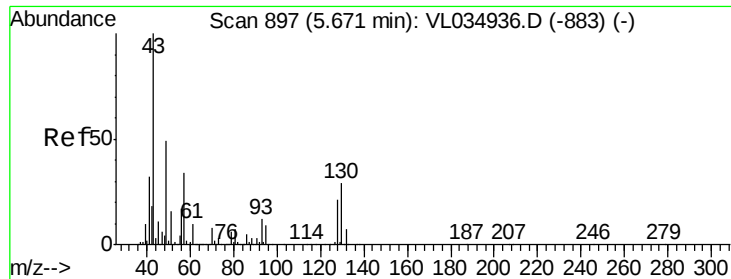
Tot Ion: 41 Resp: 2515  
Ion Ratio Lower Upper  
41 100  
76 0.0 23.6 35.4#  
39 337.4 61.9 92.9#



#23  
Vinyl Acetate  
Concen: 0.062 ppbv  
RT: 5.03 min Scan# 699  
Delta R.T. -0.03 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

Tgt Ion: 43 Resp: 10958  
Ion Ratio Lower Upper  
43 100  
86 7.4 5.5 8.3  
42 169.9 8.0 12.0#  
44 5.8 4.5 6.7

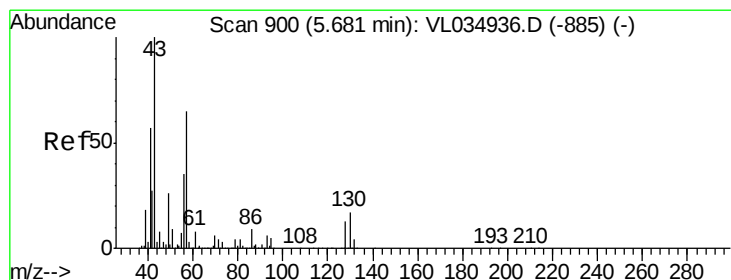
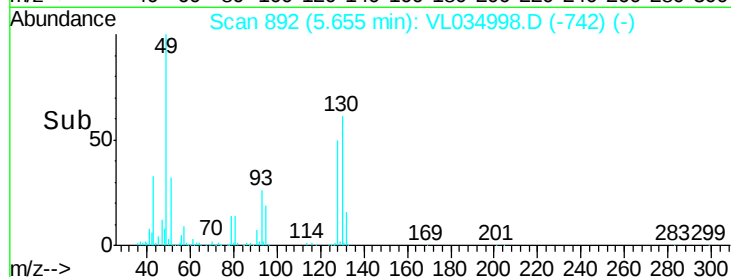
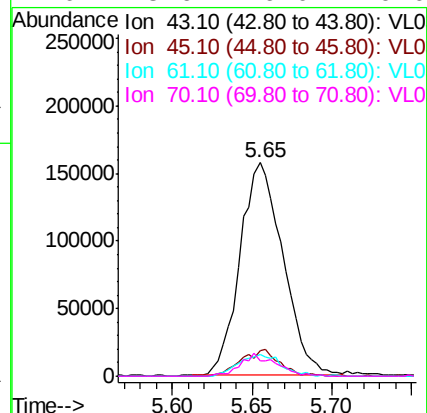
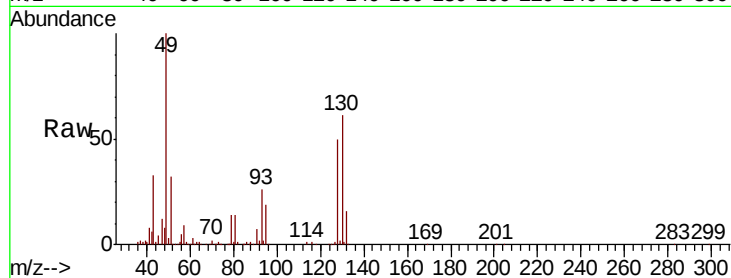




#25  
Ethyl Acetate  
Concen: 1.244 ppbv  
RT: 5.65 min Scan# 892  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

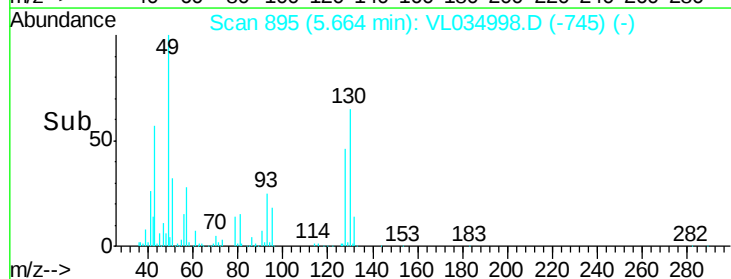
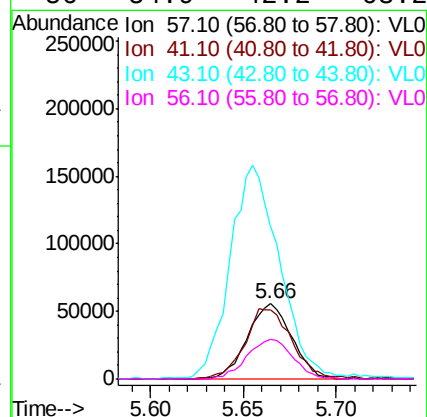
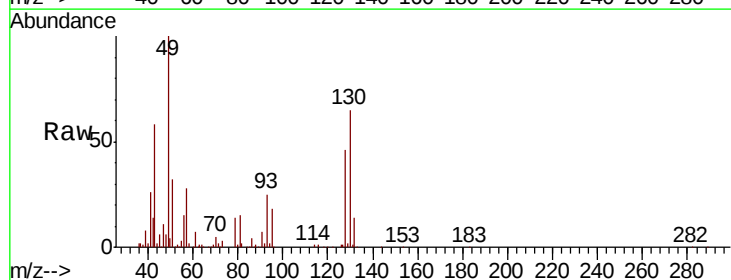
Instrument :  
MSVOA\_L  
ClientSampleID :  
IA-3DL

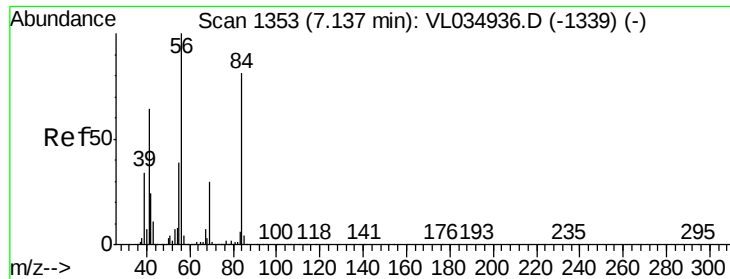
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 289265 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 11.6  | 8.1   | 12.1   |
| 61       | 10.2  | 7.8   | 11.8   |
| 70       | 8.6   | 6.0   | 9.0    |



#26  
Hexane  
Concen: 0.923 ppbv  
RT: 5.66 min Scan# 895  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 93023  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 98.1  | 72.7  | 109.1  |
| 43       | 315.5 | 182.1 | 273.1# |
| 56       | 54.9  | 42.2  | 63.2   |

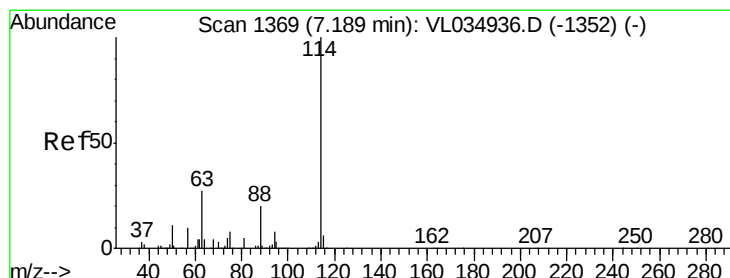
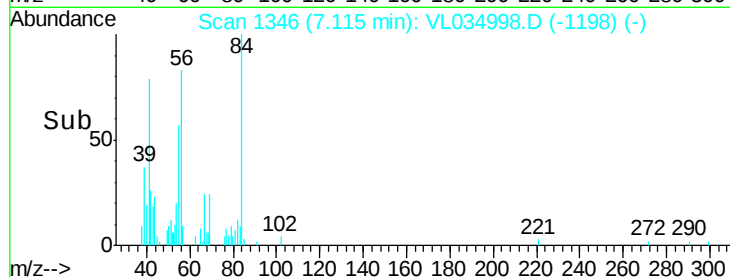
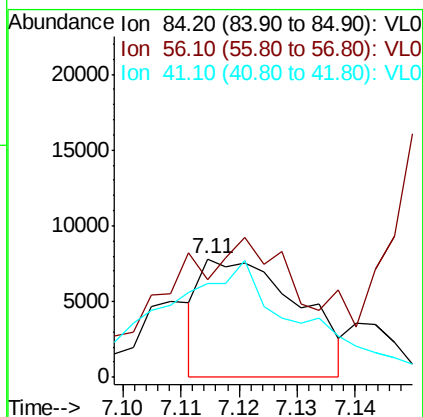
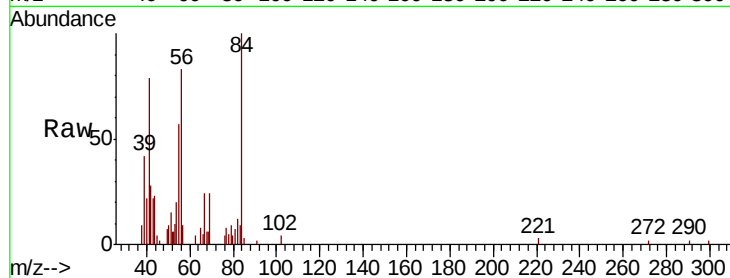




#30  
Cyclohexane  
Concen: 0.117 ppbv  
RT: 7.11 min Scan# 1346  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

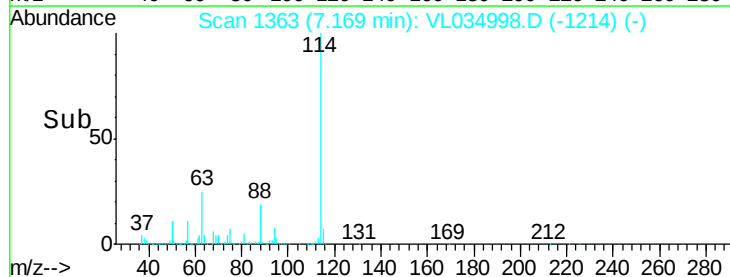
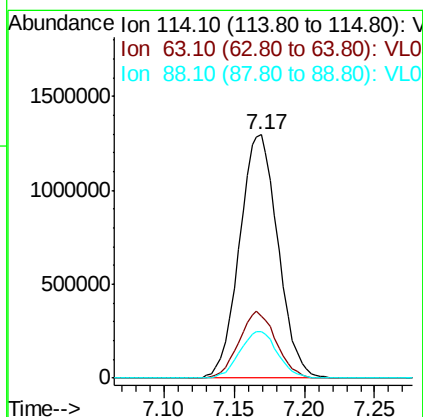
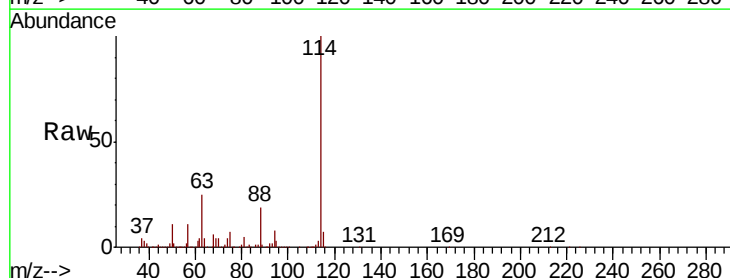
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3DL

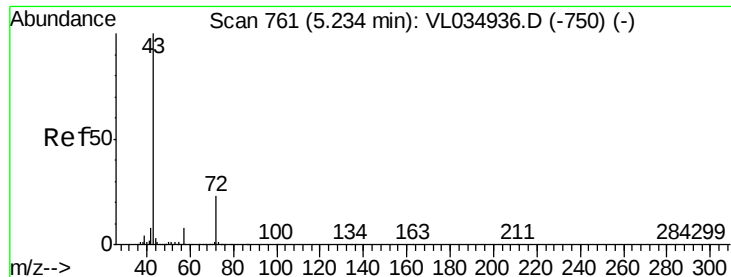
Tot Ion: 84 Resp: 9093  
Ion Ratio Lower Upper  
84 100  
56 188.3 111.4 167.2#  
41 161.4 66.7 100.1#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.17 min Scan# 1363  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

Tgt Ion: 114 Resp: 2473639  
Ion Ratio Lower Upper  
114 100  
63 26.5 22.2 33.4  
88 19.1 15.5 23.3





#34

2-Butanone

Concen: 0.229 ppbv

RT: 5.22 min Scan# 757

Delta R.T. -0.01 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

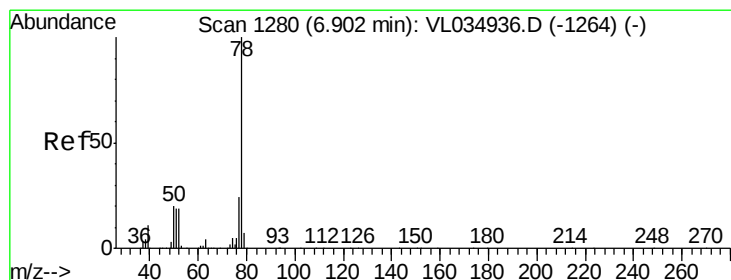
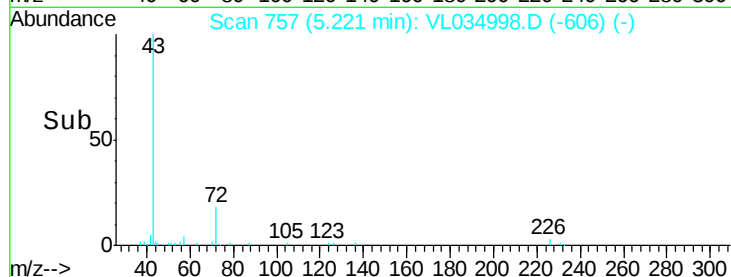
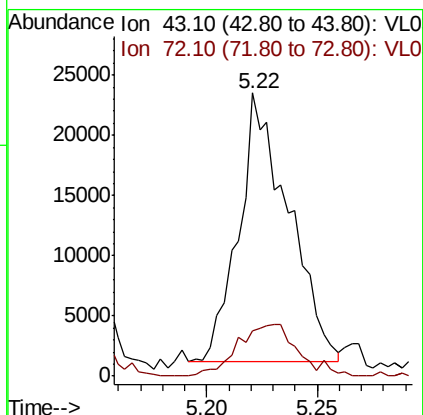
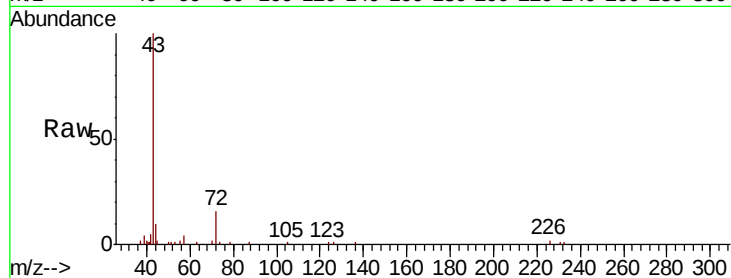
IA-3DL

Tot Ion: 43 Resp: 35140

Ion Ratio Lower Upper

43 100

72 23.5 18.0 27.0



#36

Benzene

Concen: 0.099 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

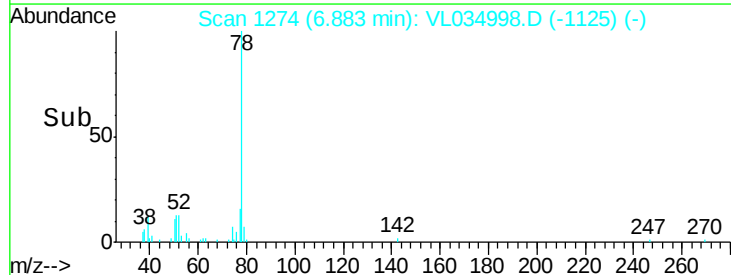
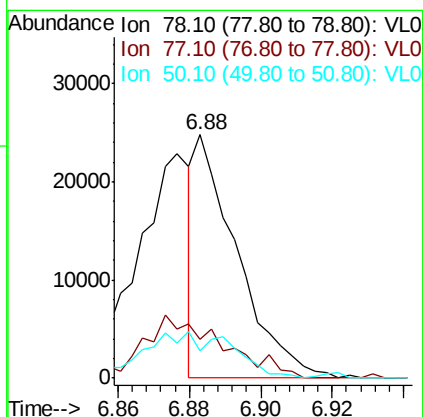
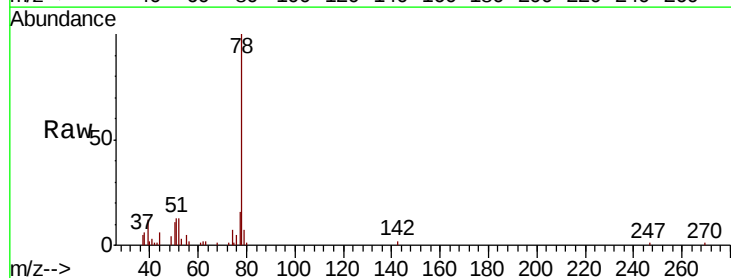
Tgt Ion: 78 Resp: 20199

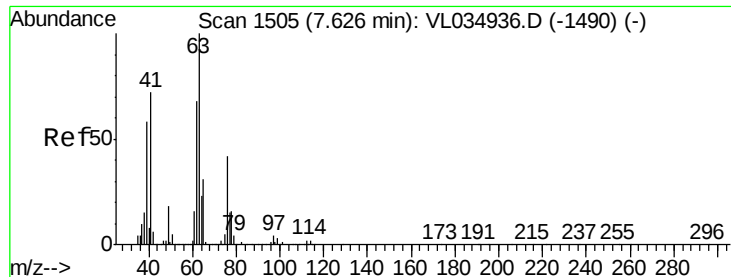
Ion Ratio Lower Upper

78 100

77 15.8 19.0 28.6#

50 9.2 15.8 23.8#





#39

1,2-Dichloropropane

Concen: 7.998 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.46 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

IA-3DL

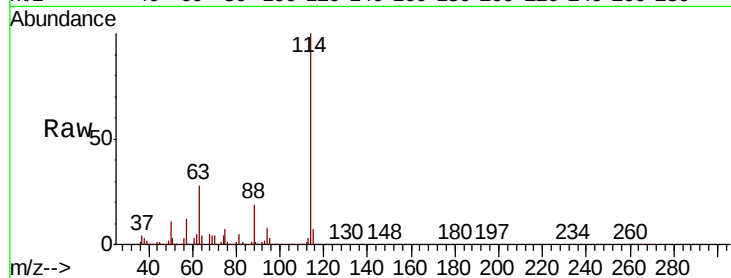
Tot Ion: 63 Resp: 653858

Ion Ratio Lower Upper

63 100

41 0.0 57.8 86.8#

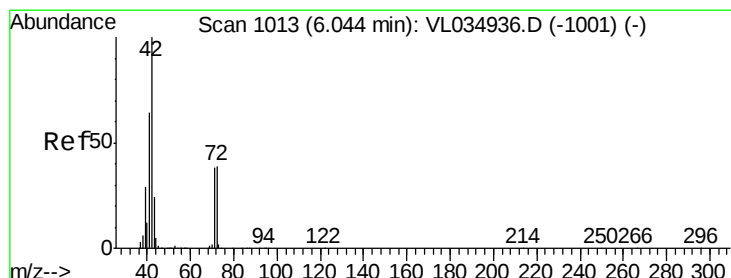
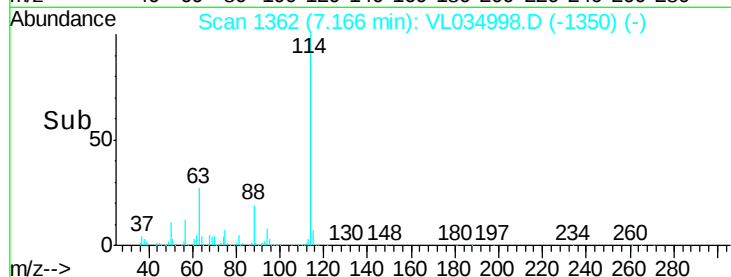
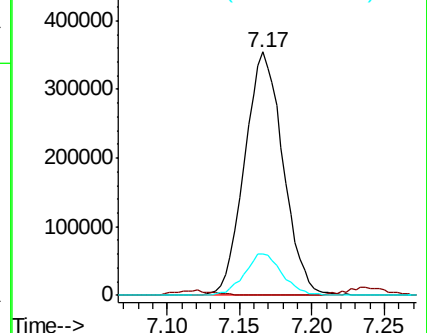
62 17.1 54.2 81.2#



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: 0.319 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

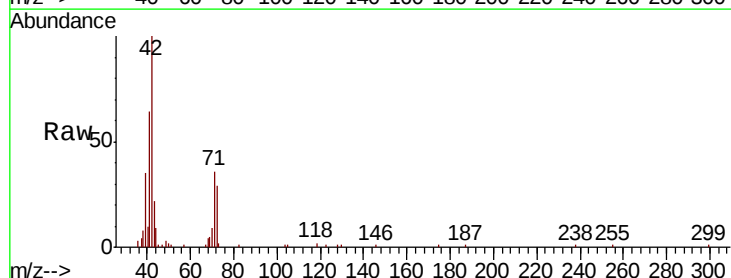
Tgt Ion: 42 Resp: 25855

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

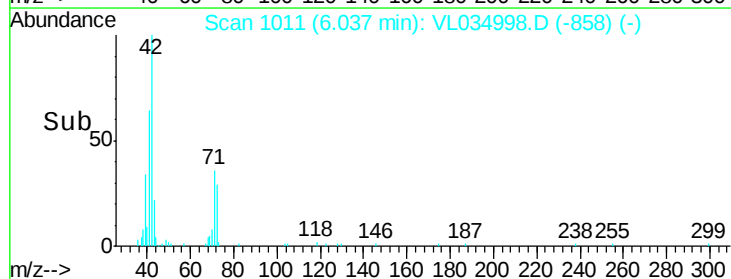
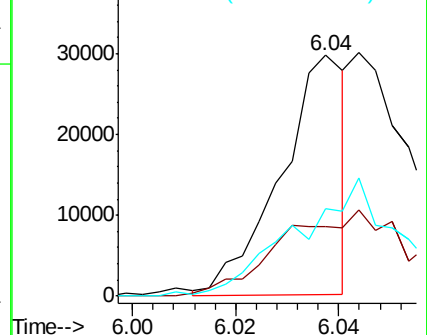
71 0.0 29.8 44.8#

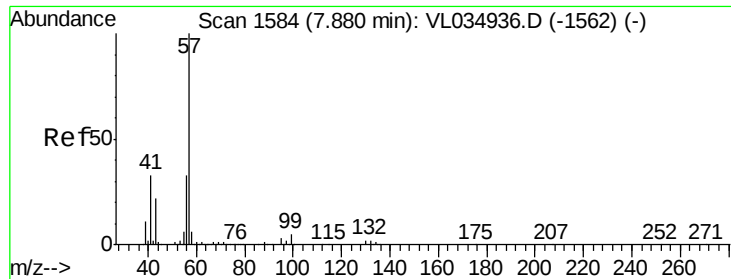


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

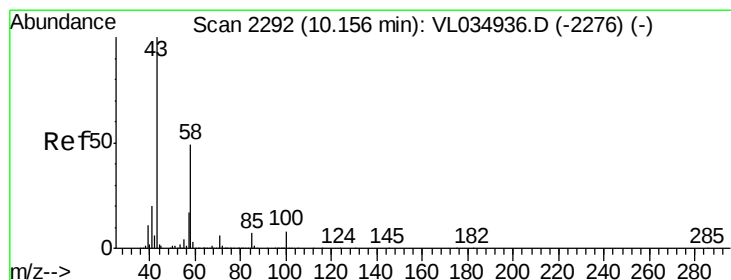
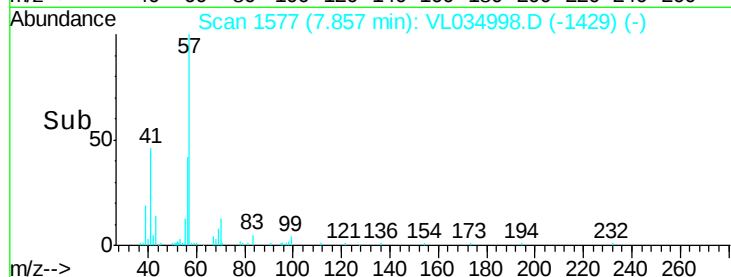
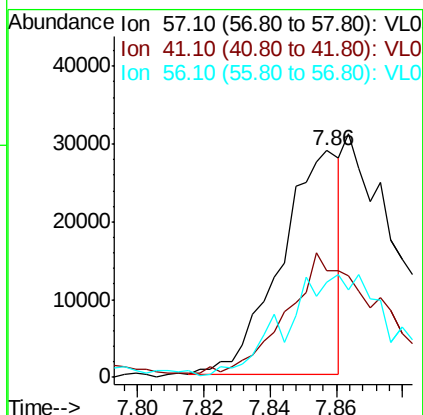
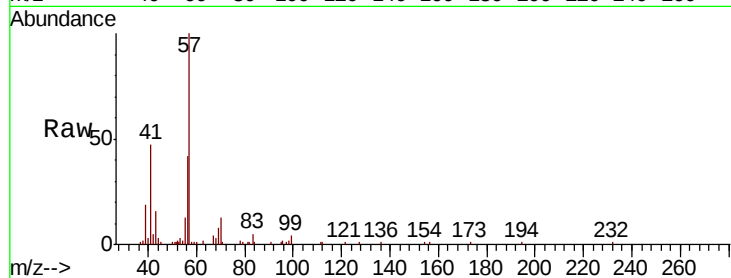




#44  
 2,2,4-Trimethylpentane  
 Concen: 0.098 ppbv  
 RT: 7.86 min Scan# 1577  
 Delta R.T. -0.02 min  
 Lab File: VL034998.D  
 Acq: 12 May 2020 22:16

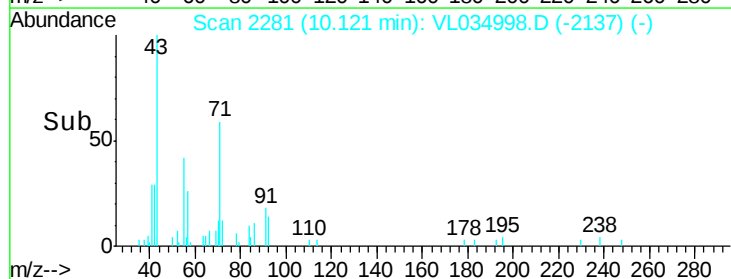
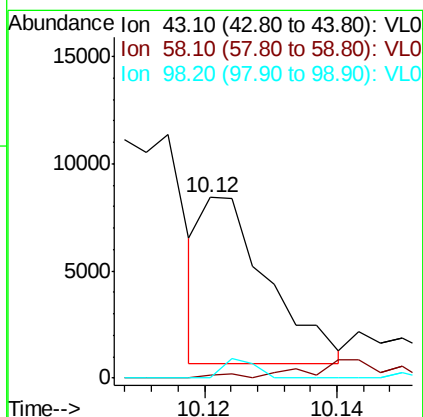
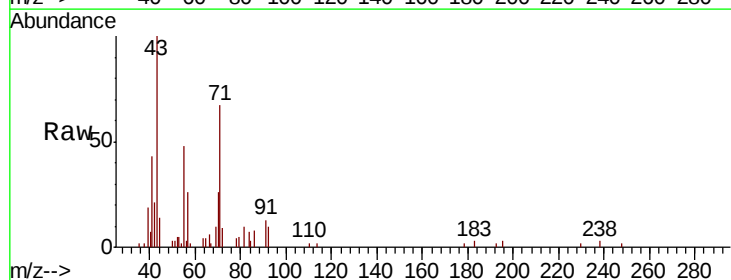
Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 IA-3DL

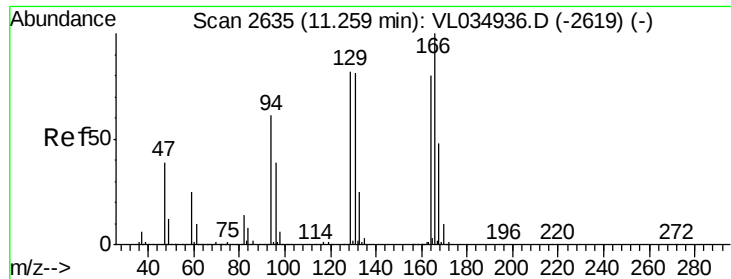
Tot Ion: 57 Resp: 35697  
 Ion Ratio Lower Upper  
 57 100  
 41 95.2 26.4 39.6#  
 56 0.0 25.5 38.3#



#51  
 2-Hexanone  
 Concen: 0.031 ppbv  
 RT: 10.12 min Scan# 2281  
 Delta R.T. -0.04 min  
 Lab File: VL034998.D  
 Acq: 12 May 2020 22:16

Tgt Ion: 43 Resp: 5399  
 Ion Ratio Lower Upper  
 43 100  
 58 23.1 39.1 58.7#  
 98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.065 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

IA-3DL

Tot Ion:164 Resp: 4708

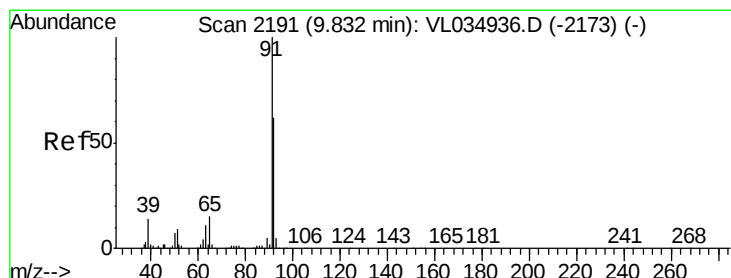
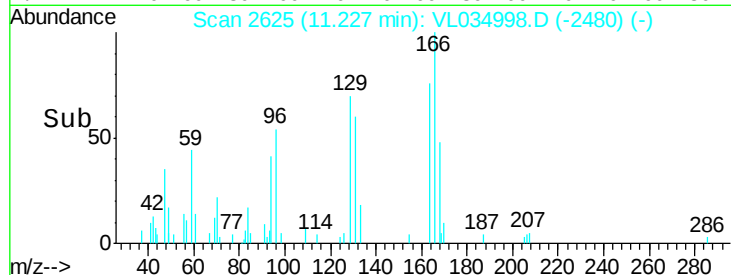
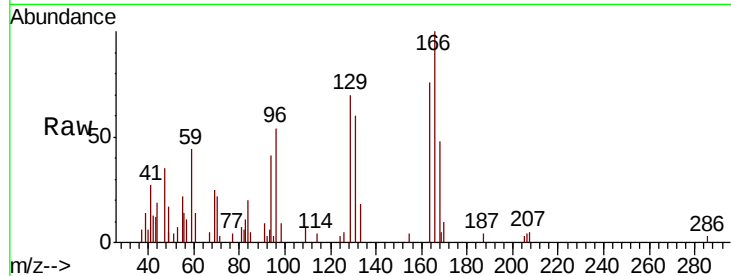
Ion Ratio Lower Upper

164 100

166 124.9 100.7 151.1

129 92.9 83.0 124.4

131 67.8 81.0 121.4#



#53

Toluene

Concen: 30.832 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL034998.D

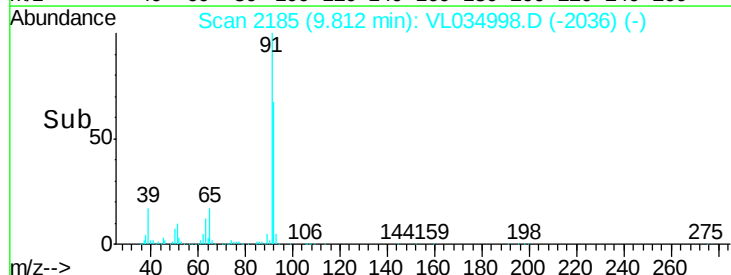
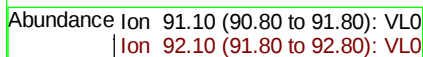
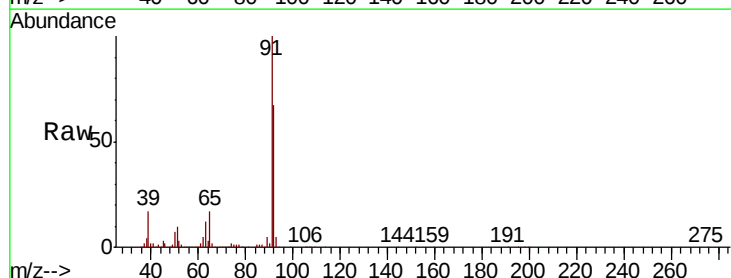
Acq: 12 May 2020 22:16

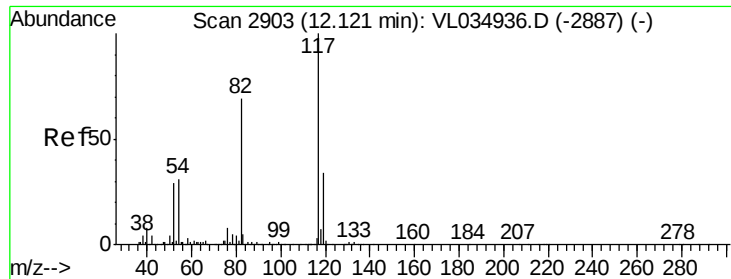
Tgt Ion: 91 Resp: 6665664

Ion Ratio Lower Upper

91 100

92 64.3 48.6 73.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

IA-3DL

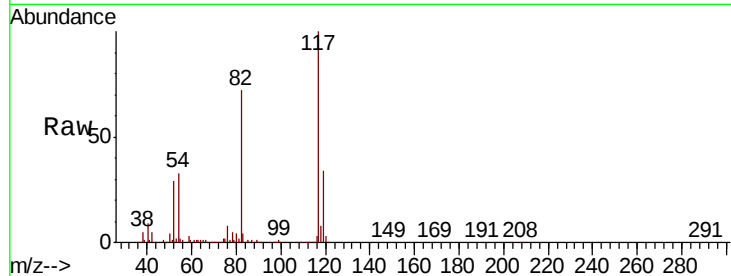
Tot Ion:117 Resp: 2293336

Ion Ratio Lower Upper

117 100

82 68.5 53.1 79.7

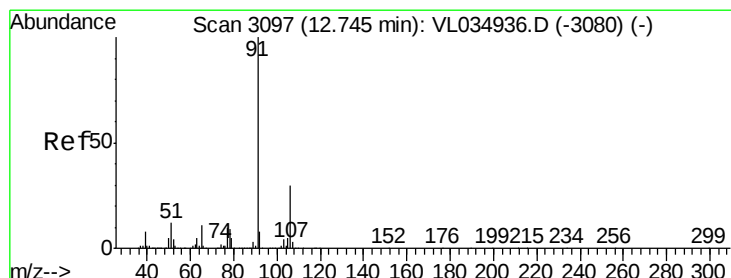
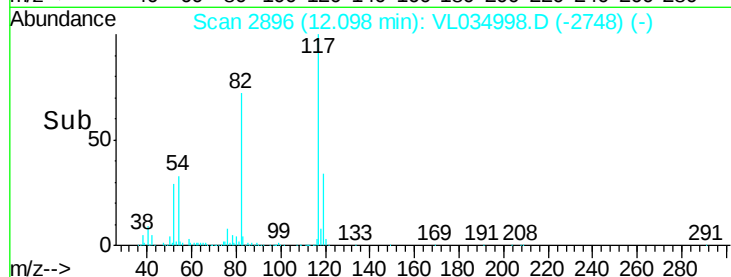
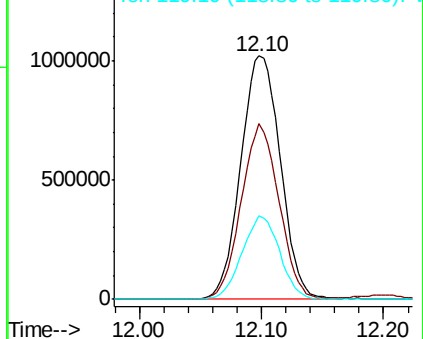
119 32.5 26.7 40.1



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



#58

Ethyl Benzene

Concen: 0.915 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. -0.02 min

Lab File: VL034998.D

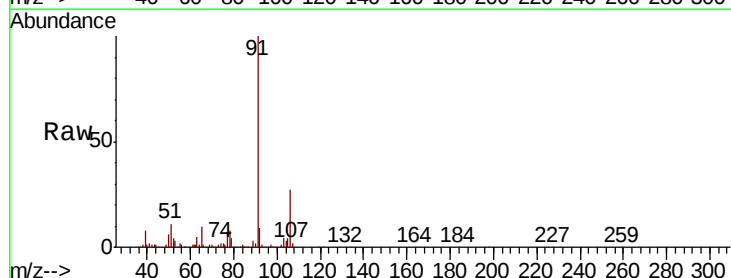
Acq: 12 May 2020 22:16

Tgt Ion: 91 Resp: 259436

Ion Ratio Lower Upper

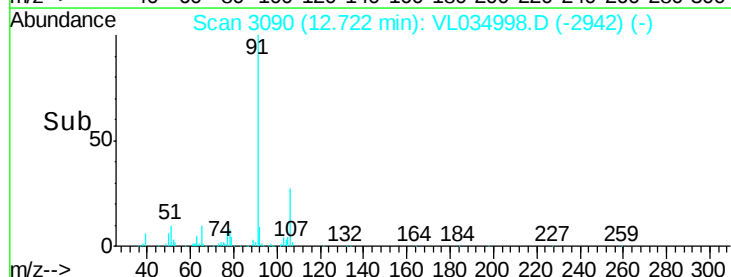
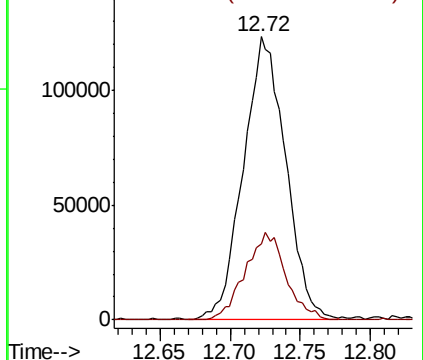
91 100

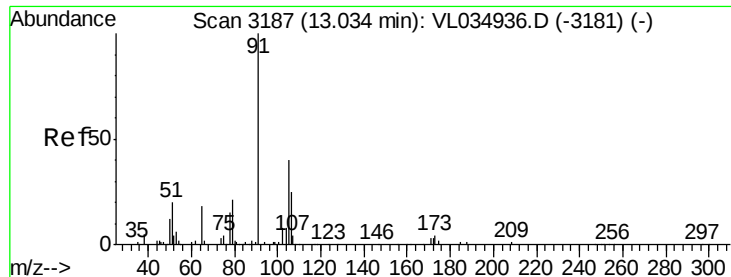
106 26.7 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.875 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.06 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

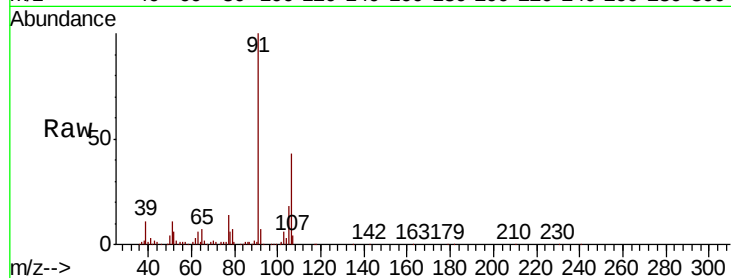
IA-3DL

Tot Ion: 91 Resp: 717434

Ion Ratio Lower Upper

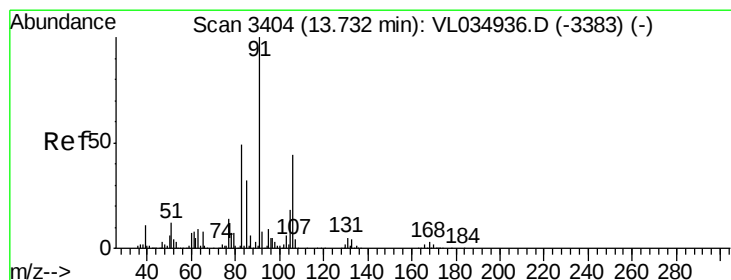
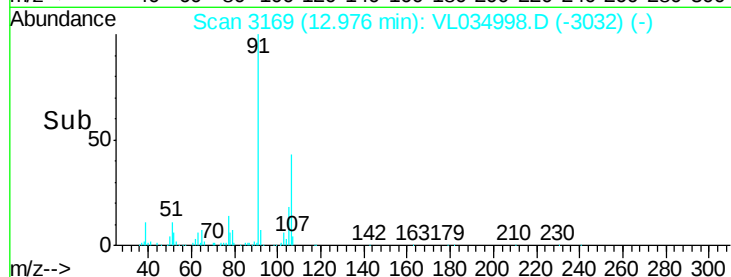
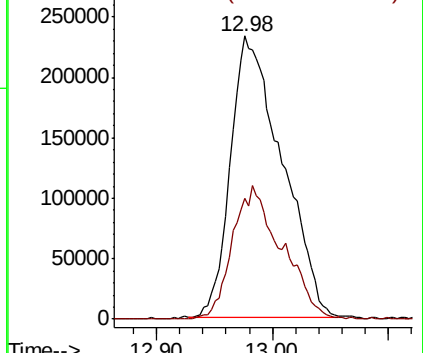
91 100

106 45.6 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.846 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.02 min

Lab File: VL034998.D

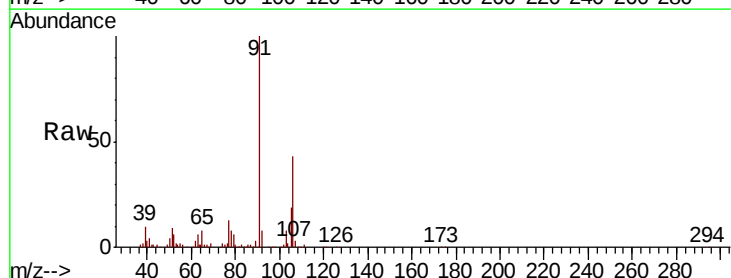
Acq: 12 May 2020 22:16

Tgt Ion: 91 Resp: 208400

Ion Ratio Lower Upper

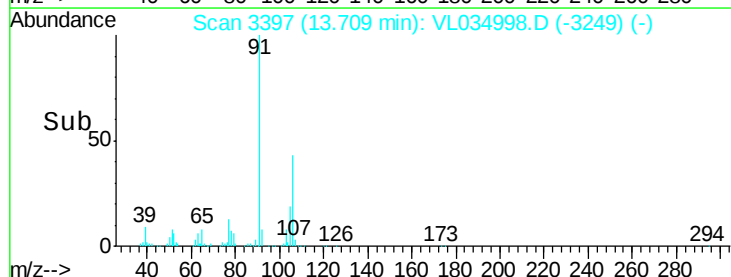
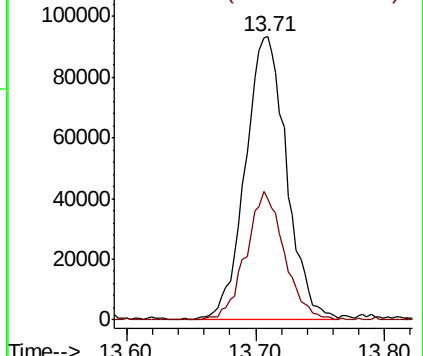
91 100

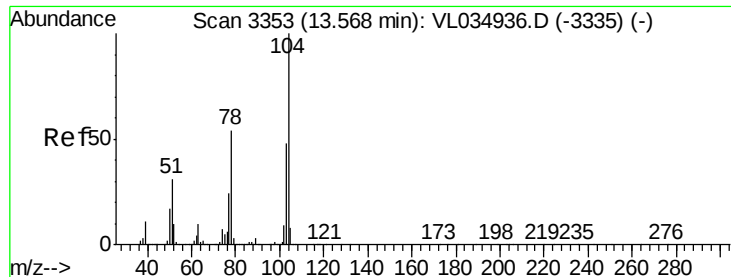
106 42.3 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

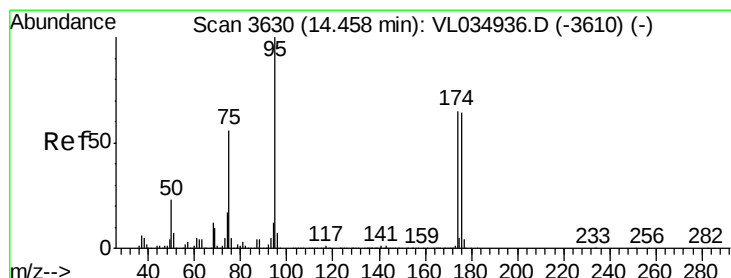
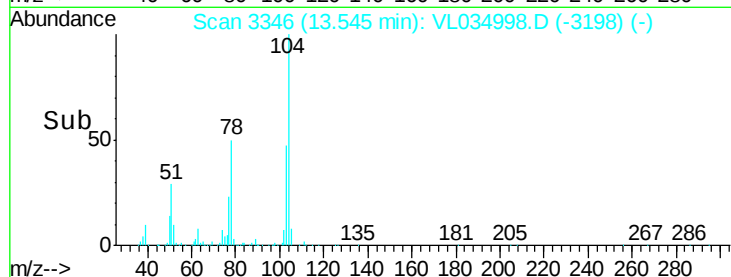
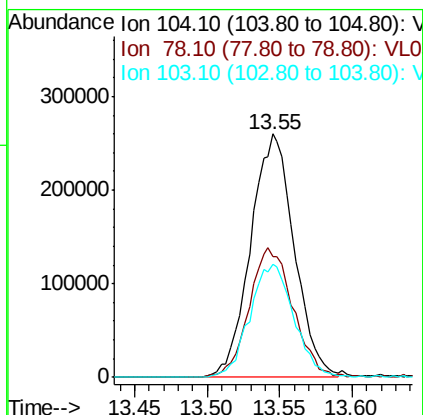
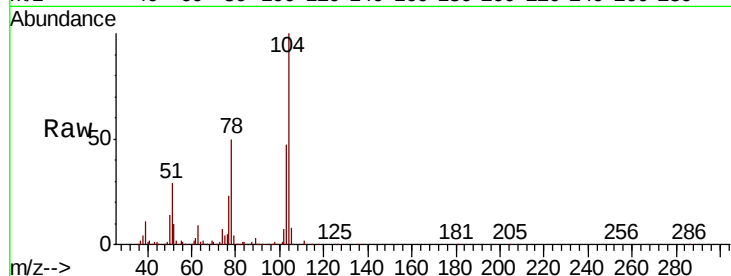




#61  
Stvrene  
Concen: 3.484 ppbv  
RT: 13.55 min Scan# 3346  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

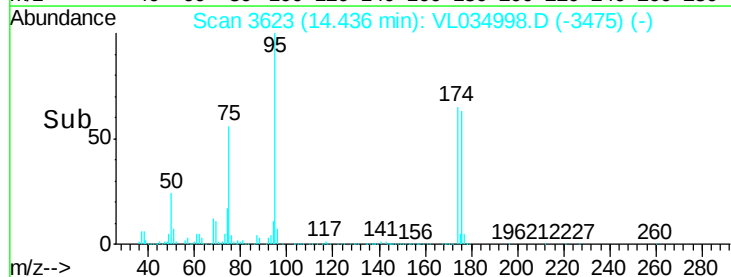
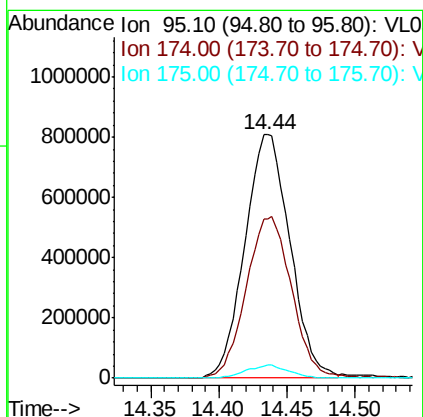
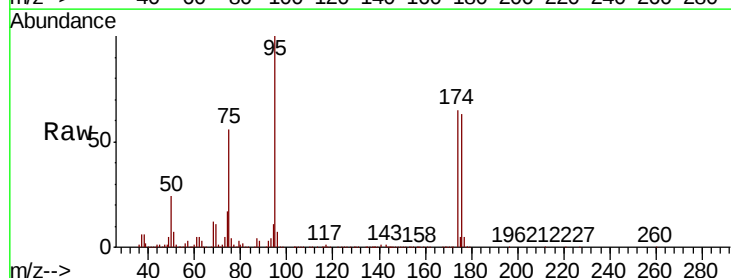
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-3DL

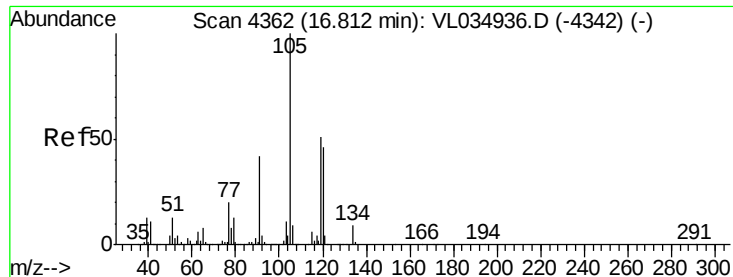
Tot Ion:104 Resp: 542887  
Ion Ratio Lower Upper  
104 100  
78 54.2 43.7 65.5  
103 47.6 38.8 58.2



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.999 ppbv  
RT: 14.44 min Scan# 3623  
Delta R.T. -0.02 min  
Lab File: VL034998.D  
Acq: 12 May 2020 22:16

Tgt Ion: 95 Resp: 1856084  
Ion Ratio Lower Upper  
95 100  
174 67.3 51.5 77.3  
175 5.0 3.8 5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.179 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.02 min

Lab File: VL034998.D

Acq: 12 May 2020 22:16

Instrument :

MSVOA\_L

ClientSampleId :

IA-3DL

Tot Ion:105 Resp: 52169

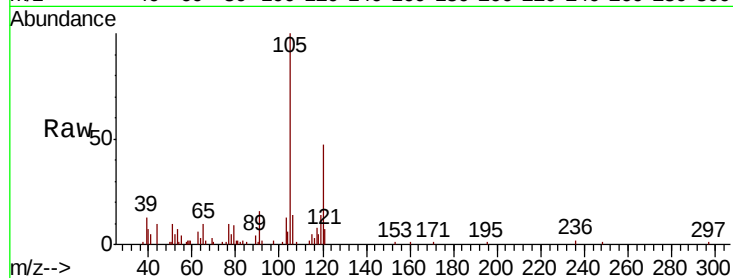
Ion Ratio Lower Upper

105 100

120 48.4 36.8 55.2

91 16.3 35.4 53.0#

77 10.2 16.2 24.2#



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

