

Data File : VL035107.D  
Acq On : 22 Jun 2020 12:14  
Operator : SY/AP  
Sample : L3075-01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CARBON-01

Quant Time: Jun 22 12:47:01 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL061920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Sat Jun 20 02:10:36 2020  
QLast Update : Sat Jun 20 02:10:36 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1210765  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2803049  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 2724455  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 2311926  | 10.22    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.20% |

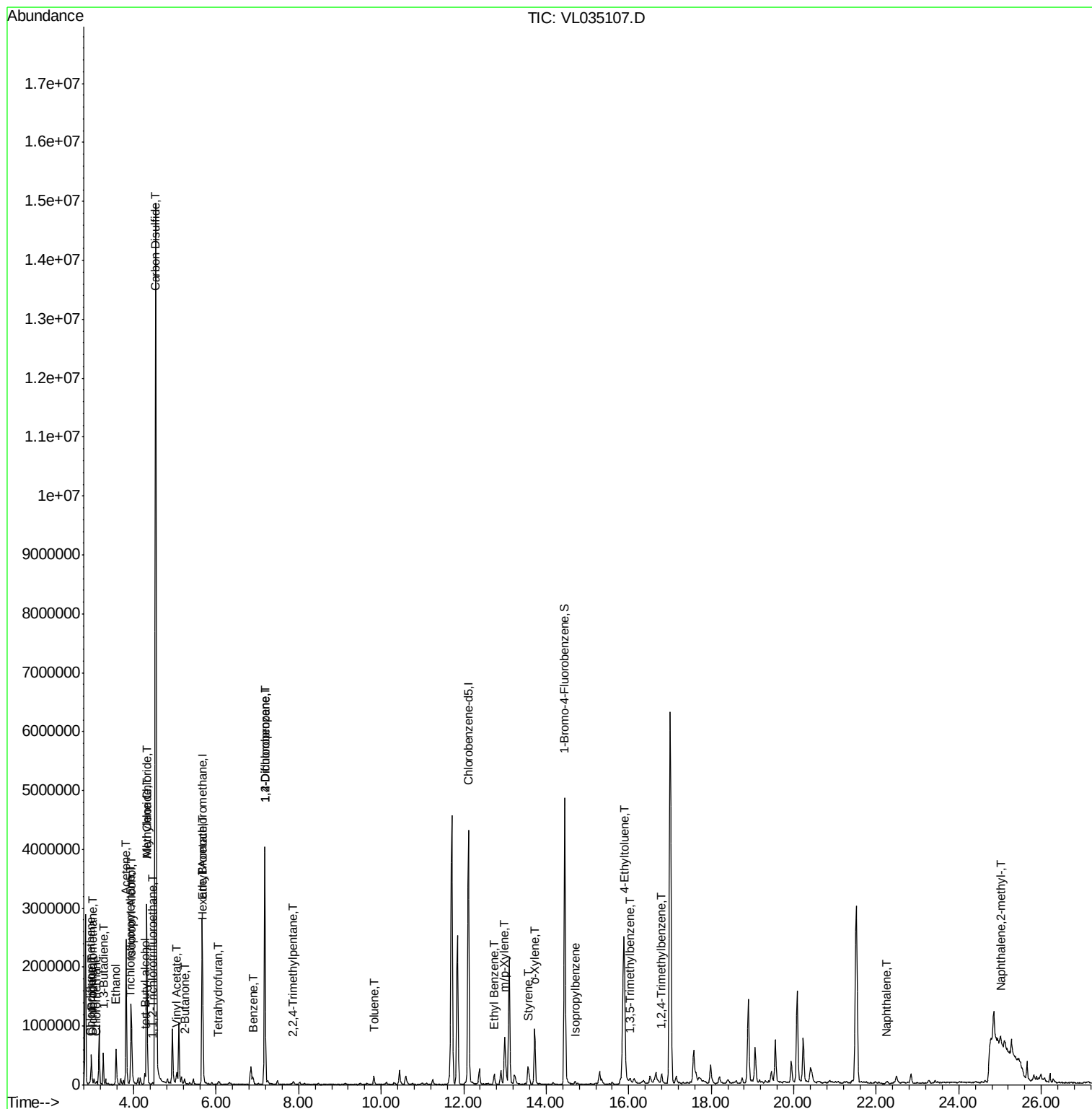
| Target Compounds               |       |     |          |         |        | Qvalue |
|--------------------------------|-------|-----|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.01  | 85  | 23370    | 0.143   | ppbv   | 95     |
| 3) Chlorodifluoromethane       | 2.94  | 51  | 50156    | 0.375   | ppbv   | 94     |
| 4) Chloromethane               | 3.10  | 50  | 42231    | 0.563   | ppbv   | 95     |
| 9) Propene                     | 2.97  | 41  | 58604    | 1.107   | ppbv   | 87     |
| 11) Trichlorofluoromethane     | 3.92  | 101 | 43364    | 0.248   | ppbv   | 93     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47  | 101 | 6439     | 0.053   | ppbv # | 46     |
| 13) Ethanol                    | 3.57  | 45  | 617492   | 30.862  | ppbv   | 100    |
| 15) Acetone                    | 3.82  | 43  | 2376595  | 16.235  | ppbv   | 98     |
| 16) 1,3-Butadiene              | 3.26  | 39  | 133712   | 2.083   | ppbv # | 14     |
| 17) tert-Butyl alcohol         | 4.27  | 59  | 155016   | 1.195   | ppbv   | 96     |
| 19) Isopropyl Alcohol          | 3.94  | 45  | 1457350  | 15.333  | ppbv   | 100    |
| 20) Methylene Chloride         | 4.32  | 84  | 1021712  | 17.245  | ppbv   | 91     |
| 21) Allyl Chloride             | 4.32  | 41  | 44350    | 0.510   | ppbv # | 20     |
| 23) Vinyl Acetate              | 5.04  | 43  | 81793    | 0.460   | ppbv # | 58     |
| 25) Ethyl Acetate              | 5.68  | 43  | 163702   | 0.620   | ppbv # | 87     |
| 26) Hexane                     | 5.68  | 57  | 197188   | 1.656   | ppbv # | 46     |
| 27) Carbon Disulfide           | 4.53  | 76  | 16452736 | 133.478 | ppbv # | 49     |
| 34) 2-Butanone                 | 5.23  | 43  | 86243    | 0.536   | ppbv   | 97     |
| 36) Benzene                    | 6.89  | 78  | 79193    | 0.365   | ppbv # | 90     |
| 39) 1,2-Dichloropropane        | 7.18  | 63  | 768014   | 9.047   | ppbv # | 25     |
| 41) Tetrahydrofuran            | 6.05  | 42  | 8102     | 0.099   | ppbv # | 35     |
| 44) 2,2,4-Trimethylpentane     | 7.87  | 57  | 11534    | 0.030   | ppbv # | 5      |
| 53) Toluene                    | 9.82  | 91  | 78379    | 0.339   | ppbv   | 88     |
| 58) Ethyl Benzene              | 12.73 | 91  | 125194   | 0.409   | ppbv   | 90     |
| 59) m/p-Xylene                 | 12.99 | 91  | 726749   | 2.679   | ppbv   | 99     |
| 60) o-Xylene                   | 13.72 | 91  | 706615   | 2.616   | ppbv   | 97     |
| 61) Styrene                    | 13.56 | 104 | 152104   | 0.895   | ppbv   | 96     |
| 62) Isopropylbenzene           | 14.70 | 105 | 18886    | 0.047   | ppbv # | 49     |
| 72) 4-Ethyltoluene             | 15.87 | 105 | 33307    | 0.111   | ppbv # | 21     |
| 73) 1,3,5-Trimethylbenzene     | 16.03 | 105 | 8880     | 0.031   | ppbv # | 72     |
| 74) 1,2,4-Trimethylbenzene     | 16.80 | 105 | 106819   | 0.337   | ppbv # | 64     |
| 79) Naphthalene                | 22.26 | 128 | 12166    | 0.044   | ppbv   | 96     |
| 80) Naphthalene,2-methyl-      | 25.02 | 142 | 10864    | 0.102   | ppbv # | 80     |

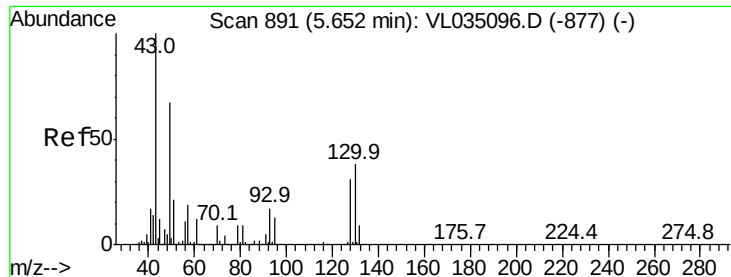
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

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CARBON-01

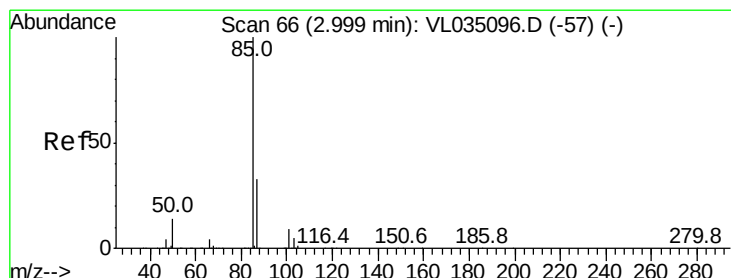
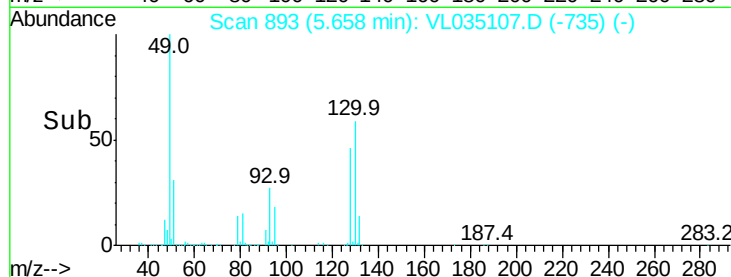
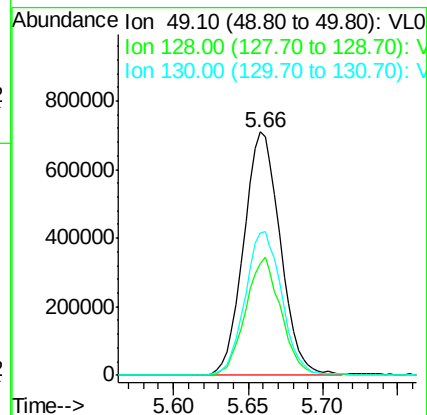
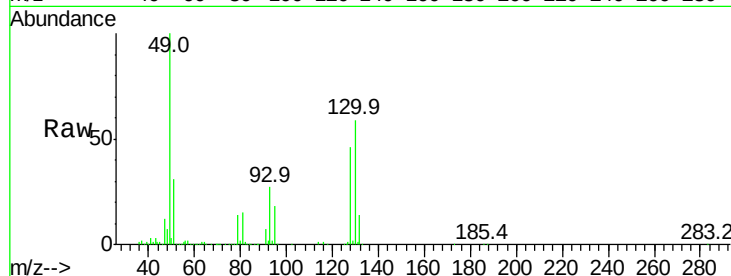
Tgt Ion: 49 Resp: 1210765

Ion Ratio Lower Upper

49 100

128 47.0 22.9 68.5

130 59.7 29.0 87.0



#2

Dichlorodifluoromethane

Concen: 0.143 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL035107.D

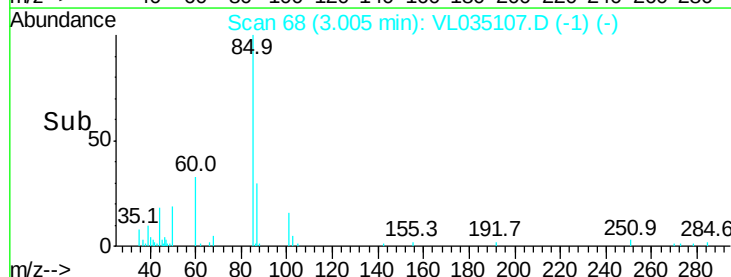
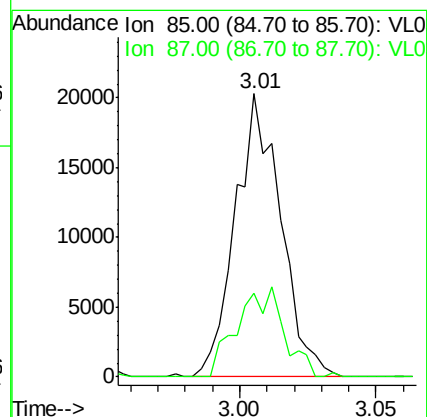
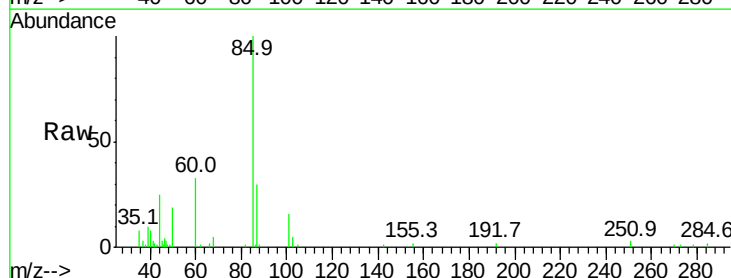
Acq: 22 Jun 2020 12:14

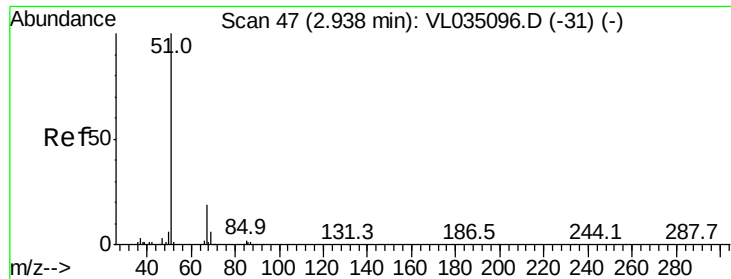
Tgt Ion: 85 Resp: 23370

Ion Ratio Lower Upper

85 100

87 29.7 26.1 39.1





#3

Chlorodifluoromethane

Concen: 0.375 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

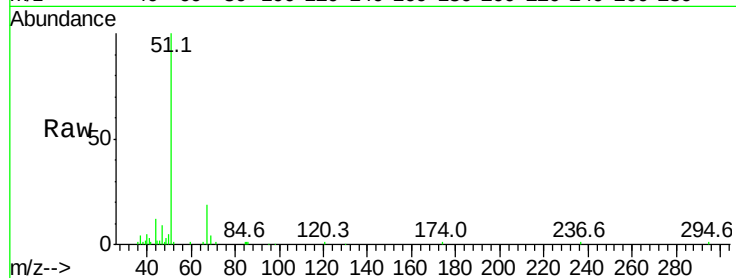
CARBON-01

Tgt Ion: 51 Resp: 50156

Ion Ratio Lower Upper

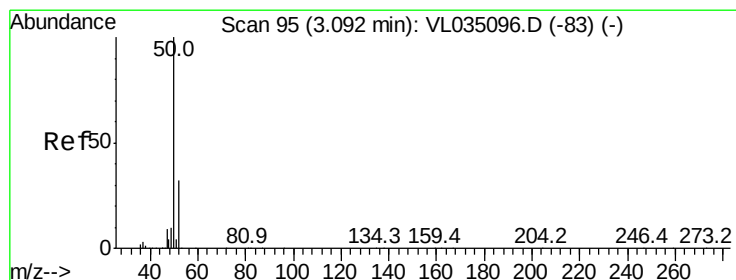
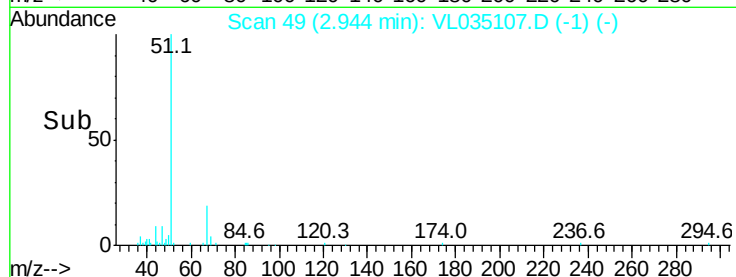
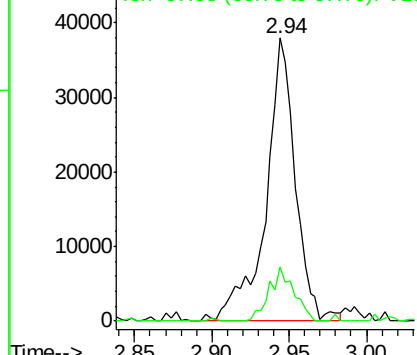
51 100

67 16.5 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.563 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035107.D

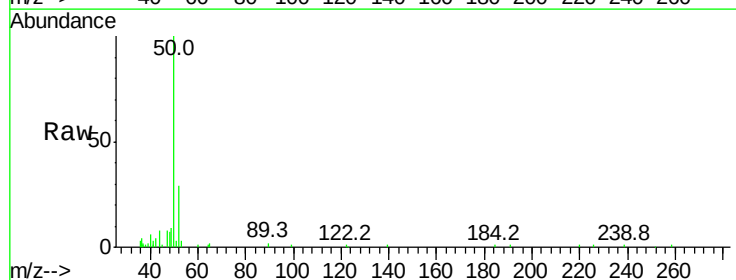
Acq: 22 Jun 2020 12:14

Tgt Ion: 50 Resp: 42231

Ion Ratio Lower Upper

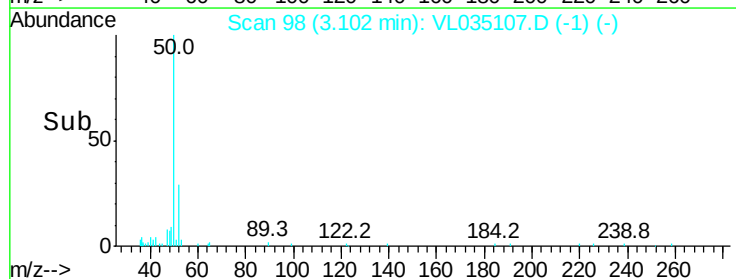
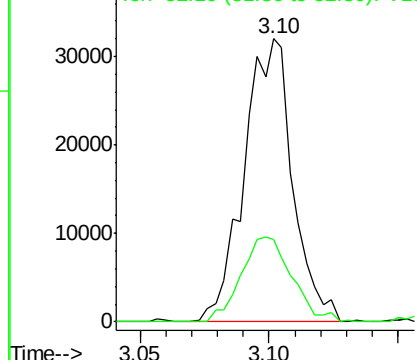
50 100

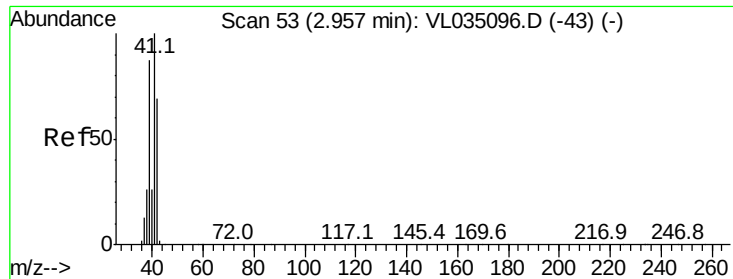
52 29.0 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.107 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.02 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

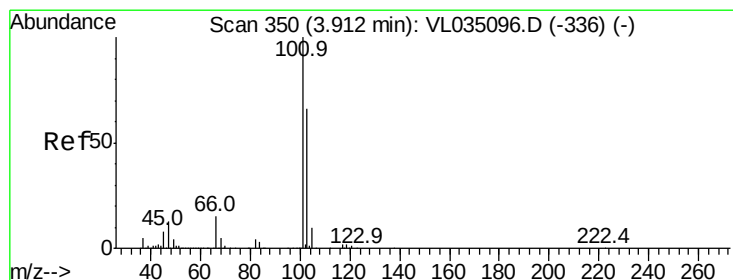
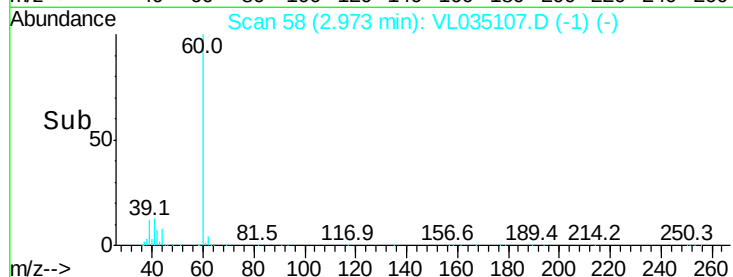
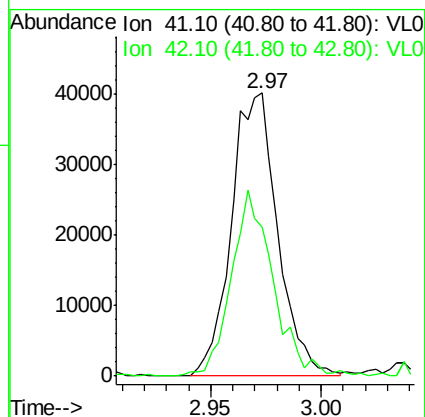
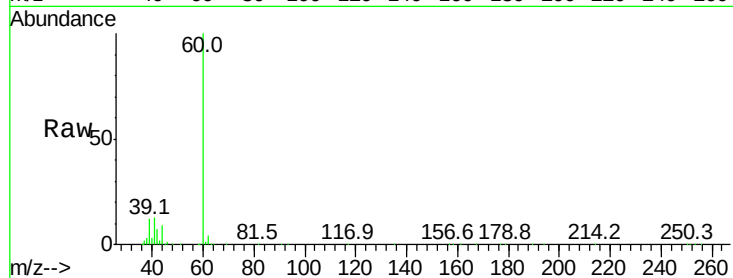
CARBON-01

Tgt Ion: 41 Resp: 58604

Ion Ratio Lower Upper

41 100

42 59.2 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.248 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL035107.D

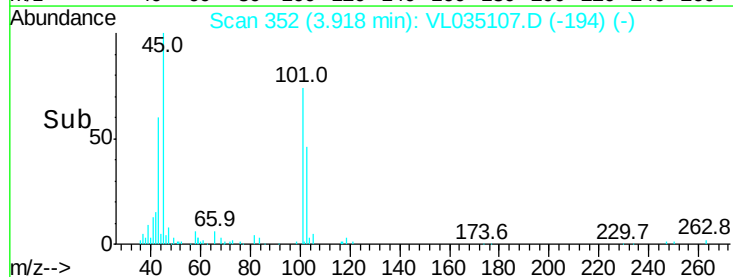
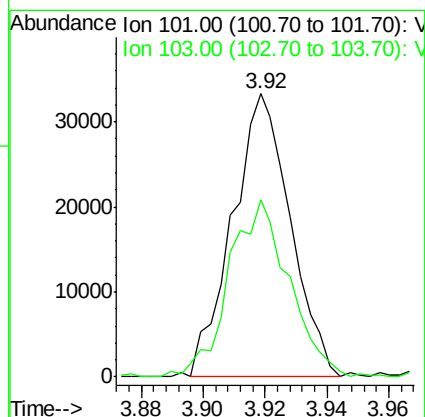
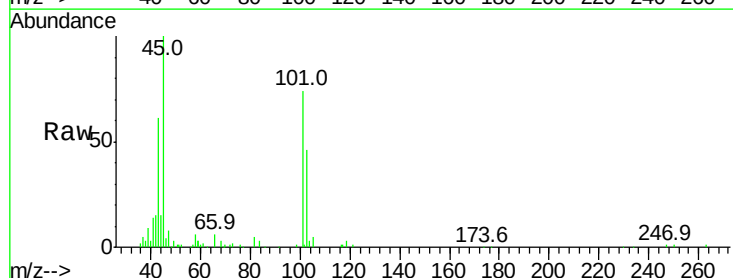
Acq: 22 Jun 2020 12:14

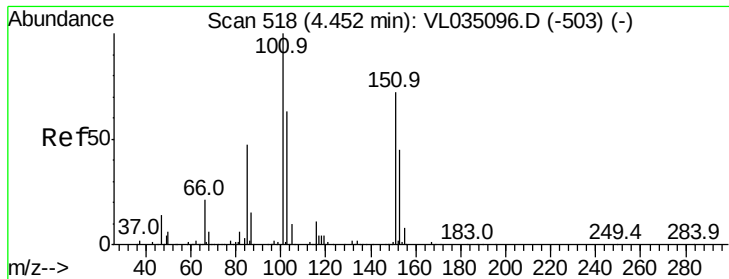
Tgt Ion: 101 Resp: 43364

Ion Ratio Lower Upper

101 100

103 60.3 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.053 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

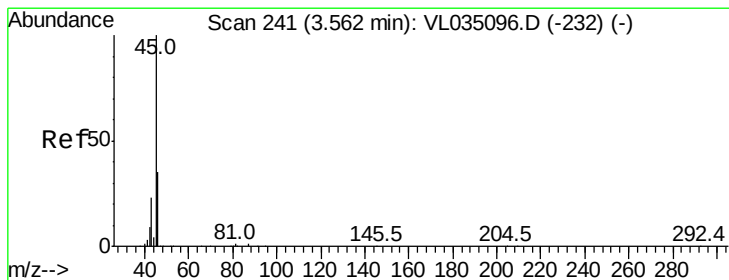
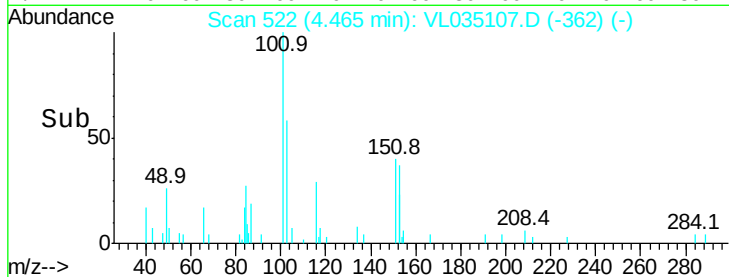
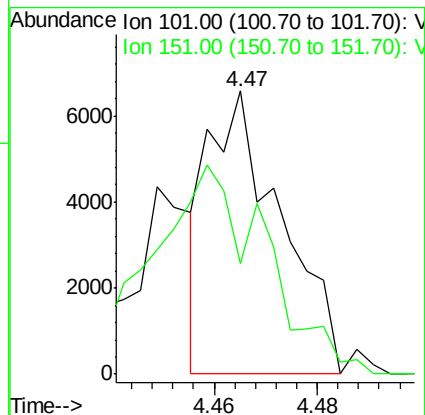
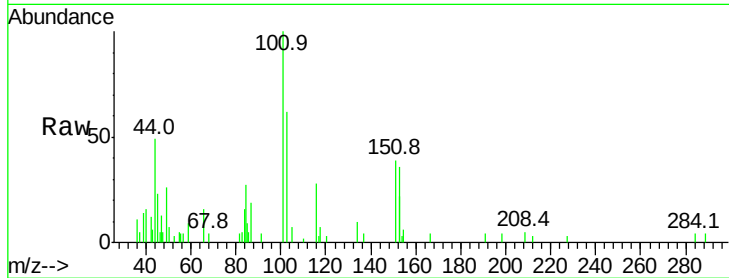
CARBON-01

Tgt Ion:101 Resp: 6439

Ion Ratio Lower Upper

101 100

151 115.7 56.6 85.0#



#13

Ethanol

Concen: 30.862 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.01 min

Lab File: VL035107.D

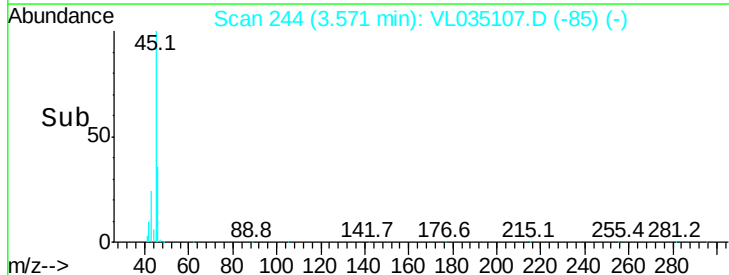
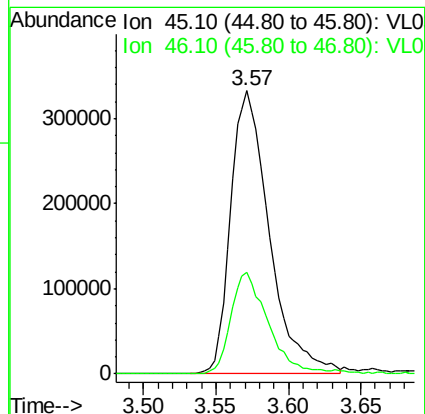
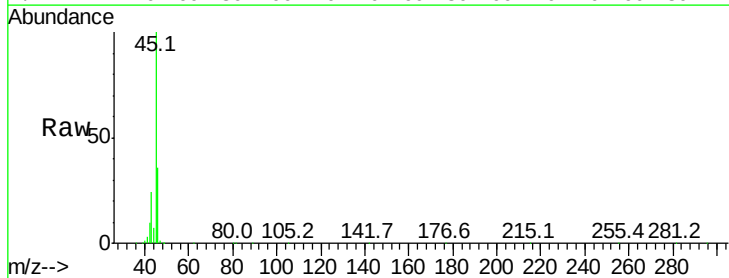
Acq: 22 Jun 2020 12:14

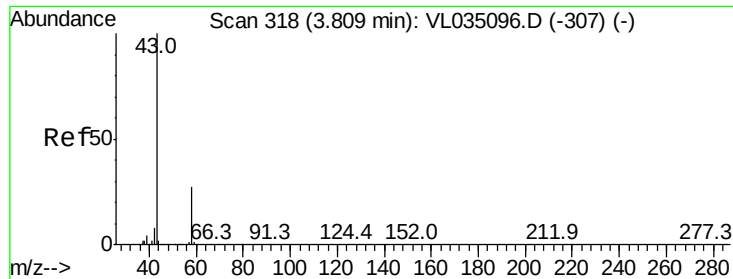
Tgt Ion: 45 Resp: 617492

Ion Ratio Lower Upper

45 100

46 35.6 14.2 57.0





#15

Acetone

Concen: 16.235 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

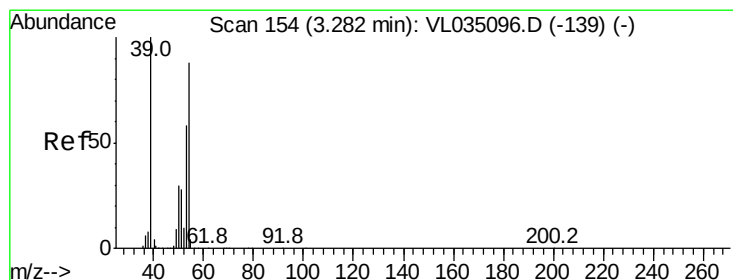
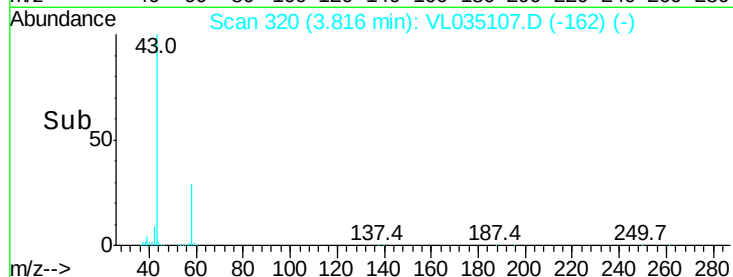
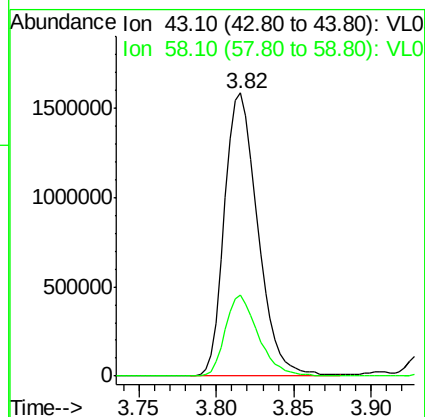
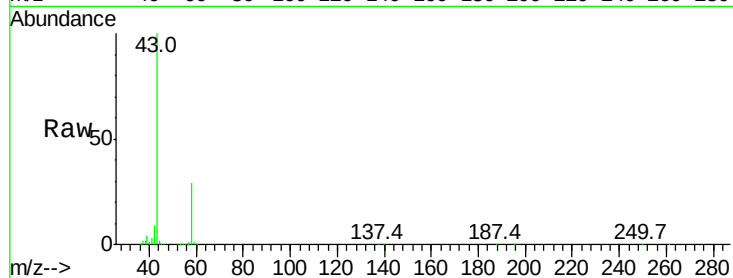
CARBON-01

Tgt Ion: 43 Resp: 2376595

Ion Ratio Lower Upper

43 100

58 28.3 21.8 32.6



#16

1,3-Butadiene

Concen: 2.083 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.02 min

Lab File: VL035107.D

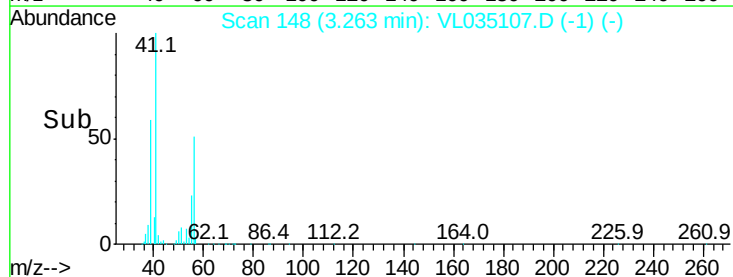
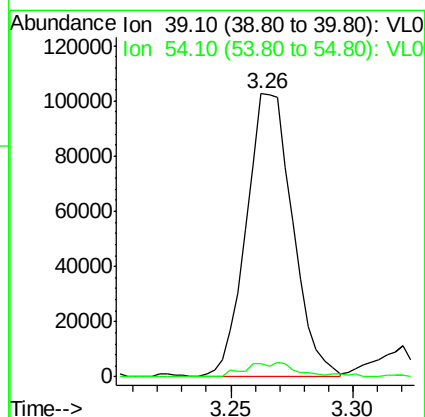
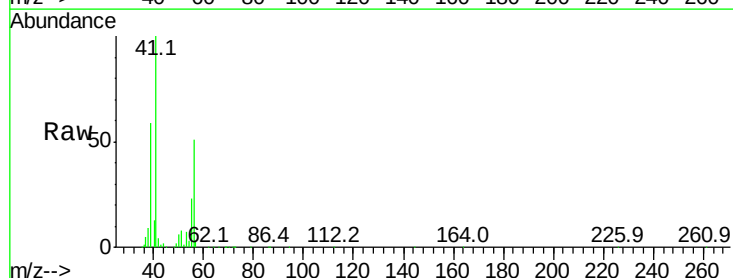
Acq: 22 Jun 2020 12:14

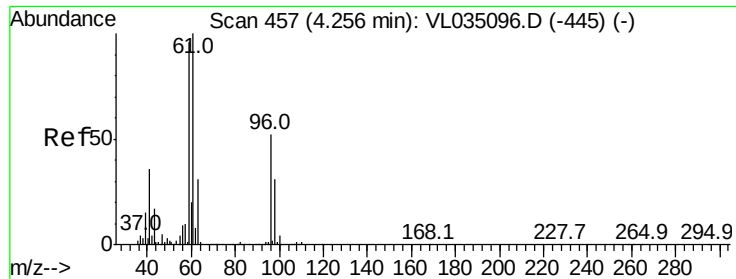
Tgt Ion: 39 Resp: 133712

Ion Ratio Lower Upper

39 100

54 6.3 67.0 100.4#





#17

tert-Butyl alcohol

Concen: 1.195 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

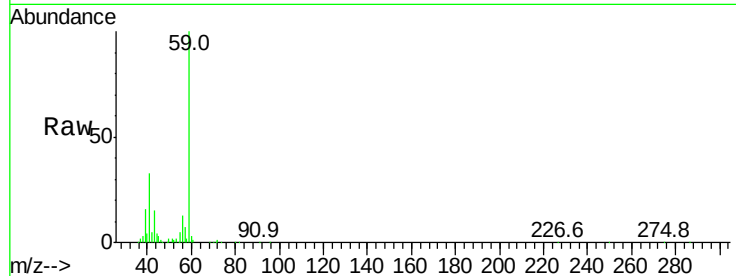
CARBON-01

Tgt Ion: 59 Resp: 155016

Ion Ratio Lower Upper

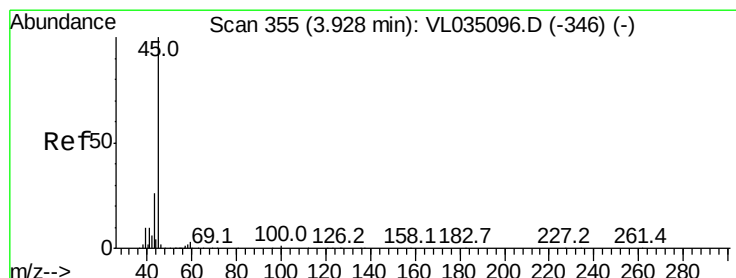
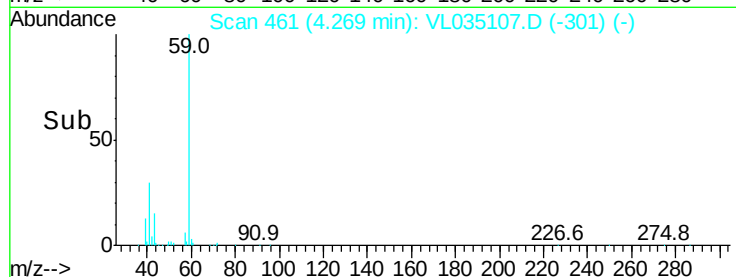
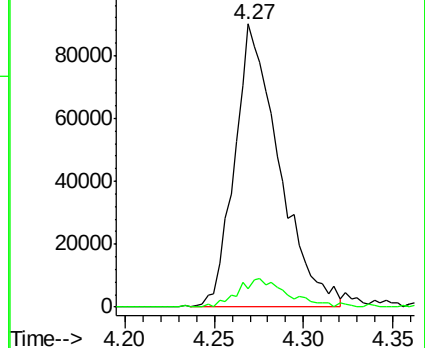
59 100

57 12.1 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 15.333 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL035107.D

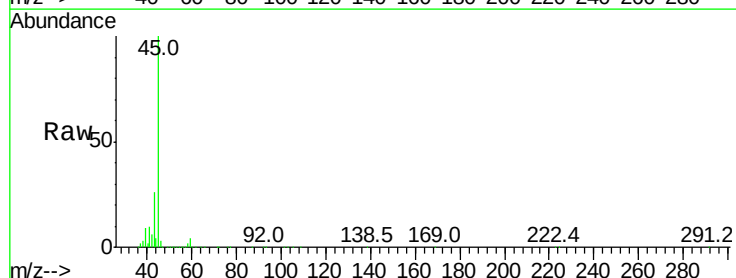
Acq: 22 Jun 2020 12:14

Tgt Ion: 45 Resp: 1457350

Ion Ratio Lower Upper

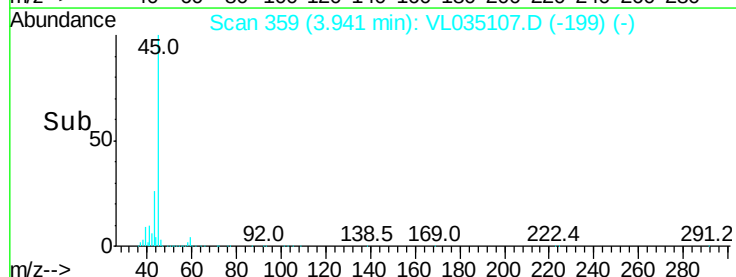
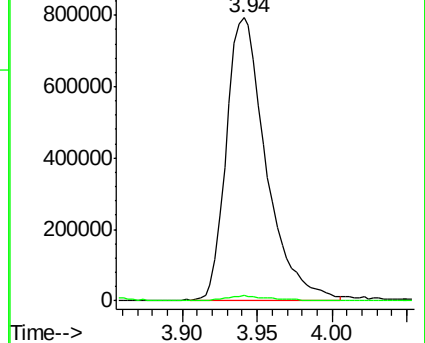
45 100

58 2.3 1.8 2.8

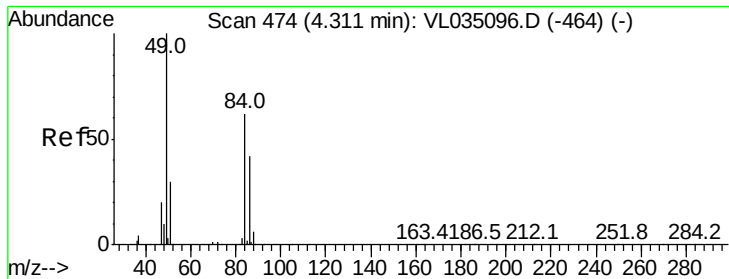


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



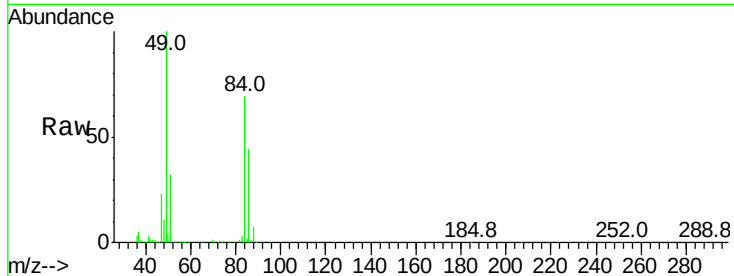




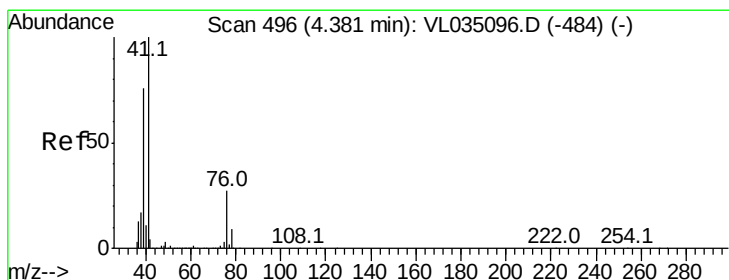
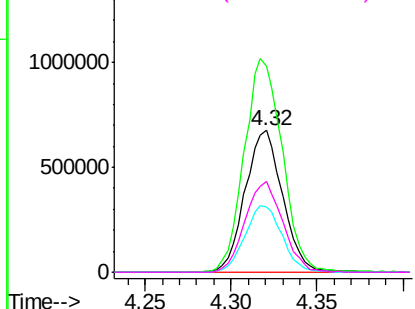
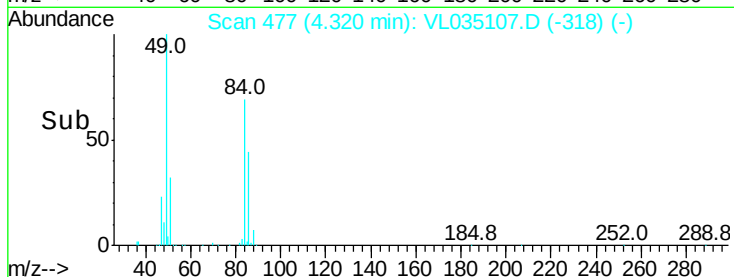
#20  
Methylene Chloride  
Concen: 17.245 ppbv  
RT: 4.32 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VL035107.D  
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CARBON-01

Tgt Ion: 84 Resp: 1021712  
Ion Ratio Lower Upper  
84 100  
49 145.5 128.8 193.2  
51 46.1 38.7 58.1  
86 63.8 54.1 81.1

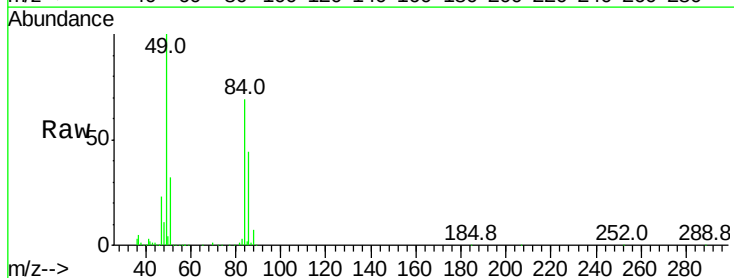


Abundance Ion 84.00 (83.70 to 84.70): VL0  
Ion 49.10 (48.80 to 49.80): VL0  
Ion 51.10 (50.80 to 51.80): VL0  
Ion 86.00 (85.70 to 86.70): VL0

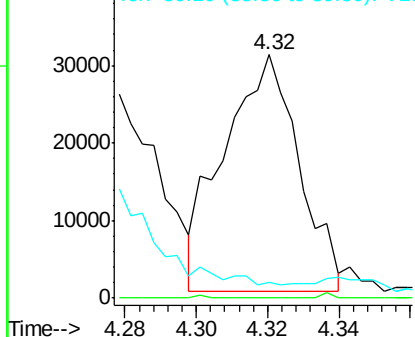
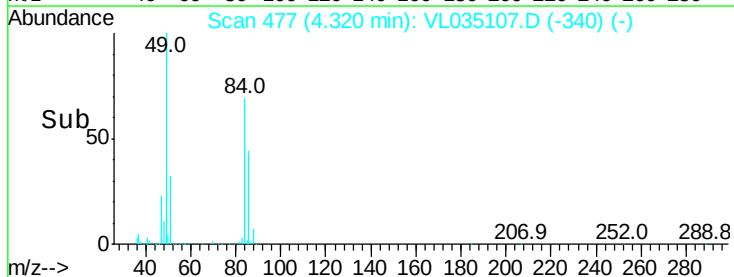


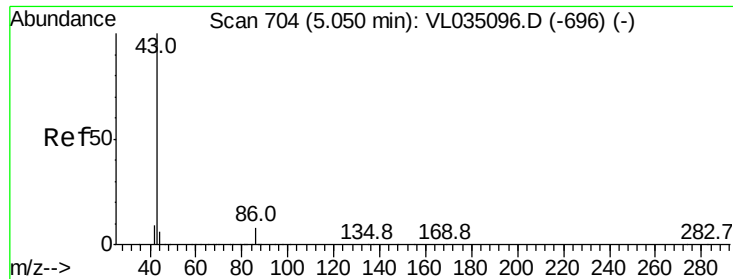
#21  
Allyl Chloride  
Concen: 0.510 ppbv  
RT: 4.32 min Scan# 477  
Delta R.T. -0.06 min  
Lab File: VL035107.D  
Acq: 22 Jun 2020 12:14

Tgt Ion: 41 Resp: 44350  
Ion Ratio Lower Upper  
41 100  
76 0.0 22.6 34.0#  
39 0.0 61.6 92.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 76.10 (75.80 to 76.80): VL0  
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.460 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CARBON-01

Tgt Ion: 43 Resp: 81793

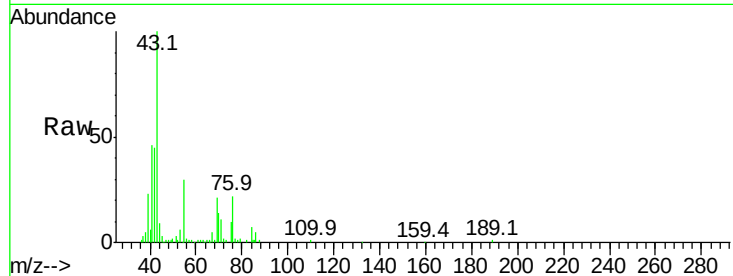
Ion Ratio Lower Upper

43 100

86 5.0 6.2 9.2#

42 40.6 8.1 12.1#

44 0.2 4.6 7.0#

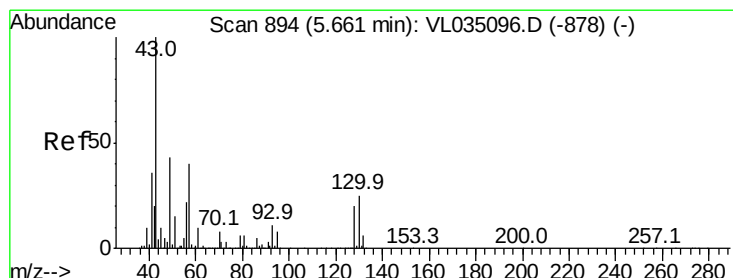
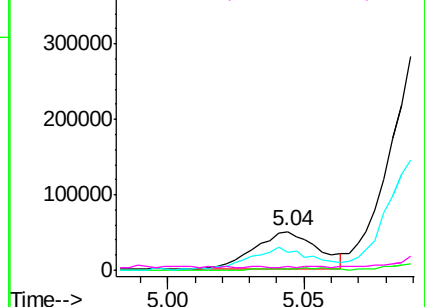
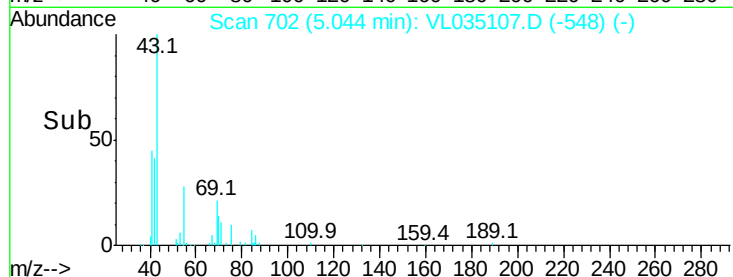


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.620 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Tgt Ion: 43 Resp: 163702

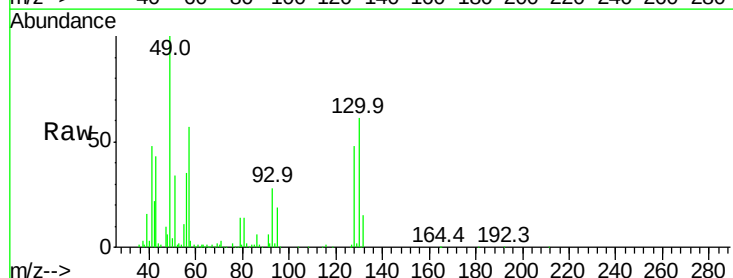
Ion Ratio Lower Upper

43 100

45 7.9 8.4 12.6#

61 3.1 8.0 12.0#

70 3.5 6.3 9.5#

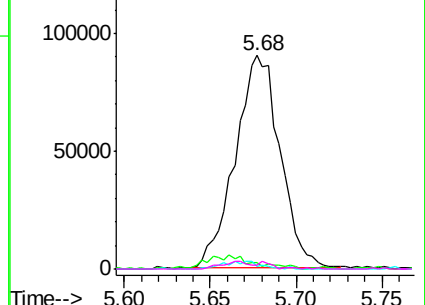
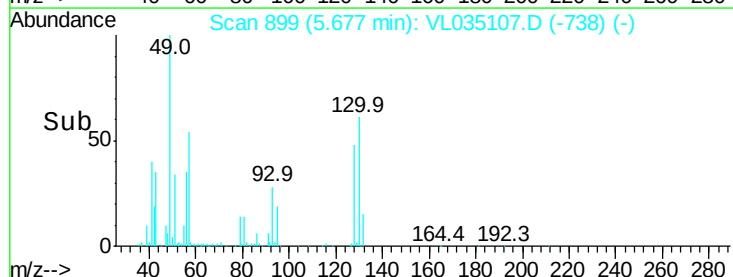


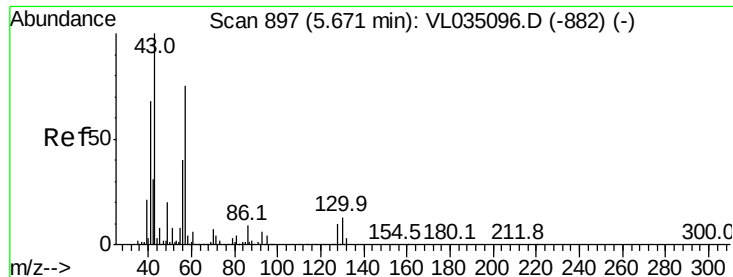
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 1.656 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CARBON-01

Tgt Ion: 57 Resp: 197188

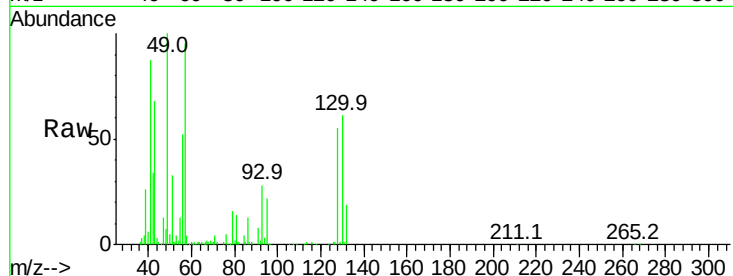
Ion Ratio Lower Upper

57 100

41 92.9 72.9 109.3

43 85.8 181.3 271.9#

56 58.8 43.1 64.7

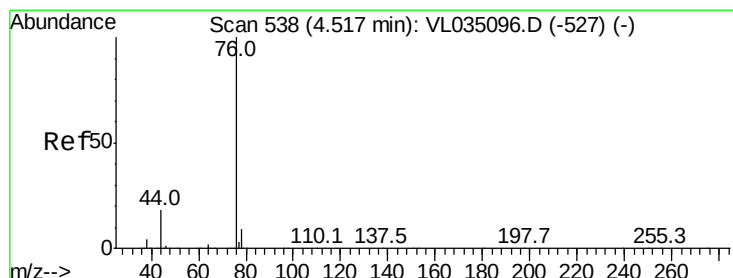
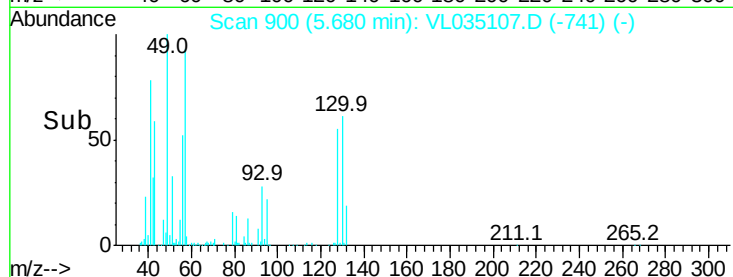
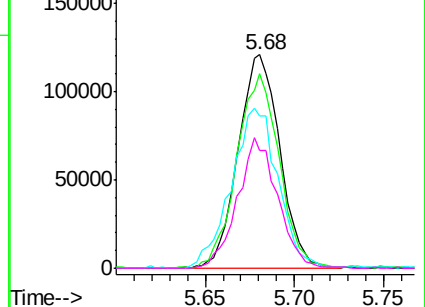


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 133.478 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

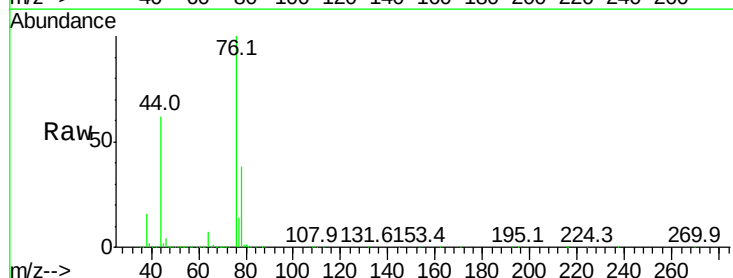
Tgt Ion: 76 Resp: 16452736

Ion Ratio Lower Upper

76 100

44 45.1 15.8 23.8#

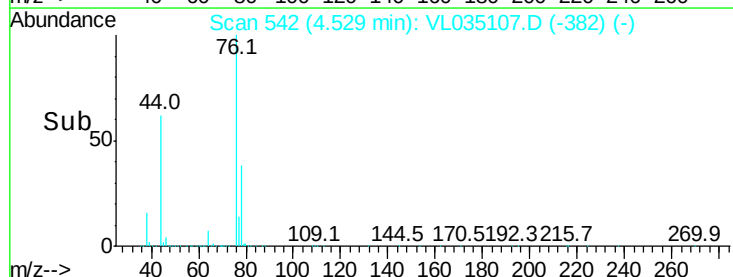
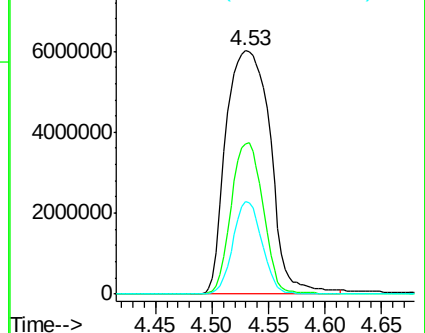
78 25.1 7.6 11.4#

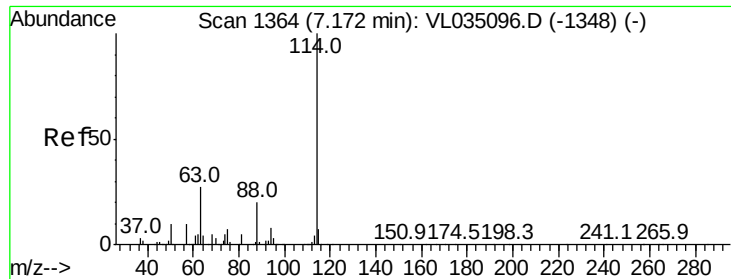


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

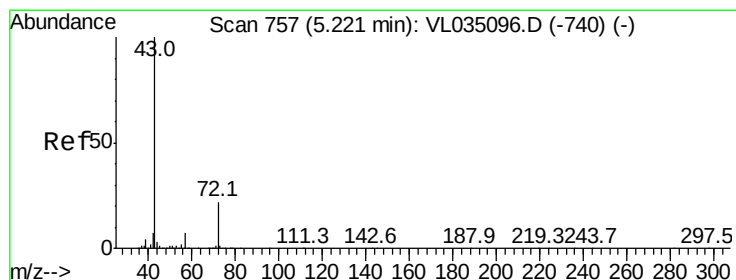
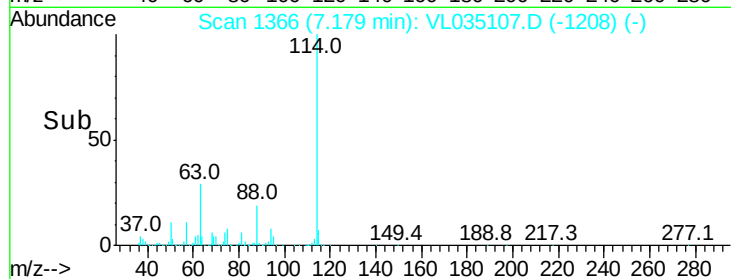
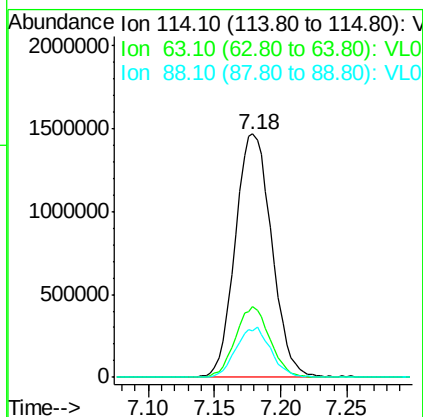
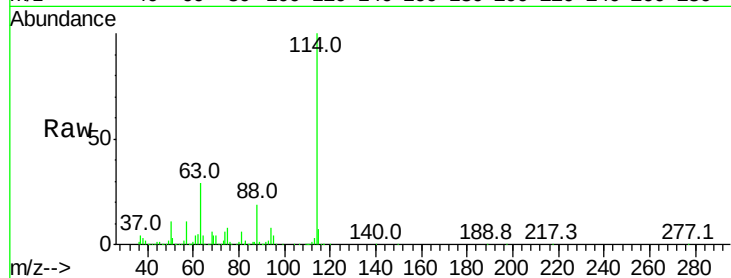
Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :  
MSVOA\_L  
ClientSampleId :  
CARBON-01

Tgt Ion: 114 Resp: 2803049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 27.6  | 21.9  | 32.9  |
| 88  | 19.6  | 15.6  | 23.4  |



#34

2-Butanone

Concen: 0.536 ppbv

RT: 5.23 min Scan# 761

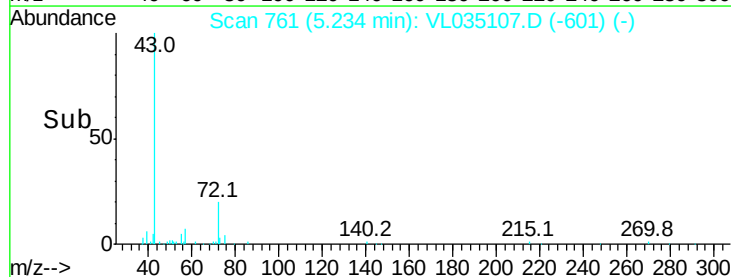
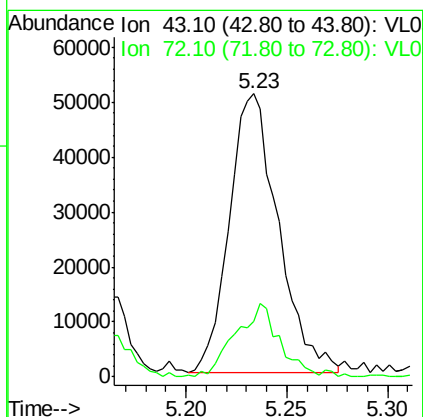
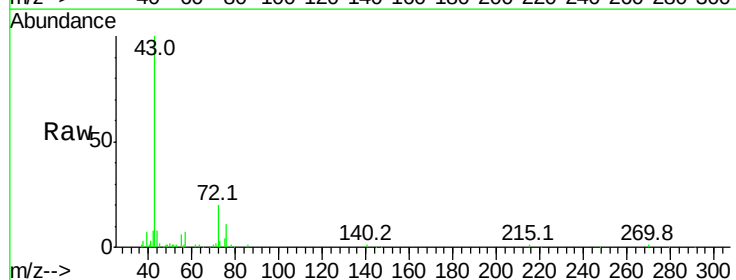
Delta R.T. 0.01 min

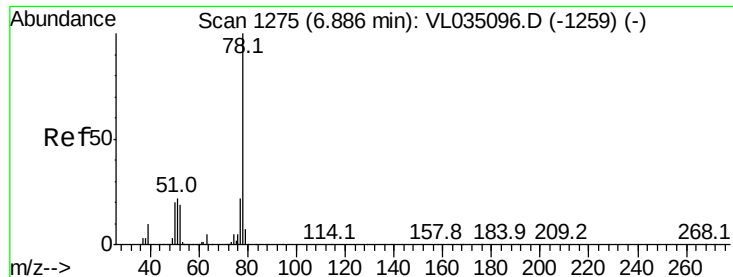
Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Tgt Ion: 43 Resp: 86243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 24.1  | 18.3  | 27.5  |





#36

Benzene

Concen: 0.365 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CARBON-01

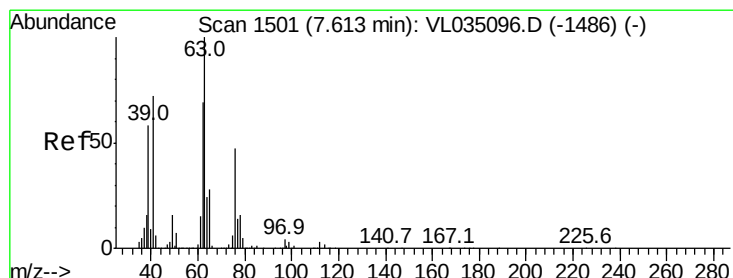
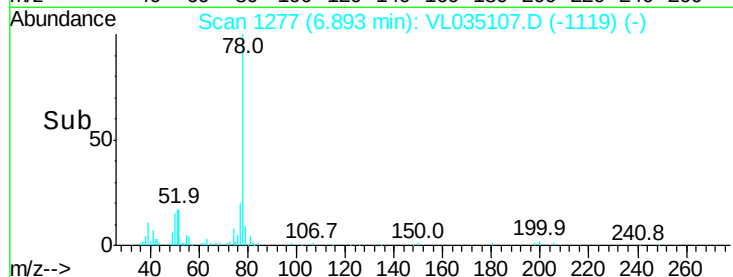
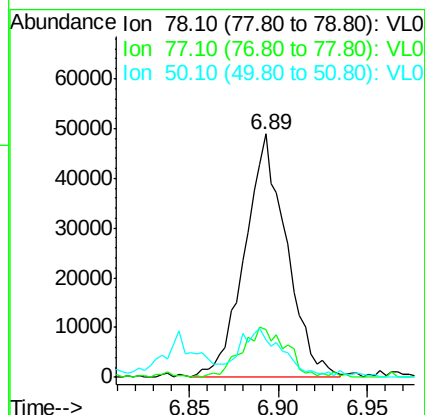
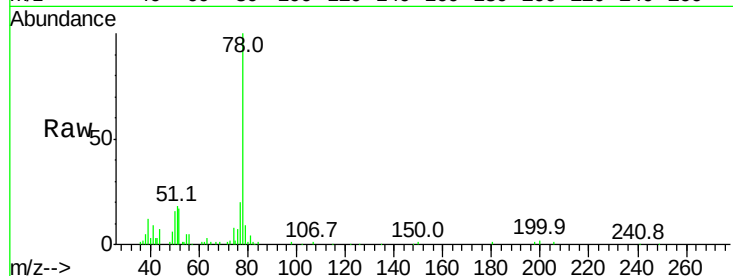
Tgt Ion: 78 Resp: 79193

Ion Ratio Lower Upper

78 100

77 19.8 17.8 26.6

50 13.0 16.2 24.2#



#39

1,2-Dichloropropane

Concen: 9.047 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

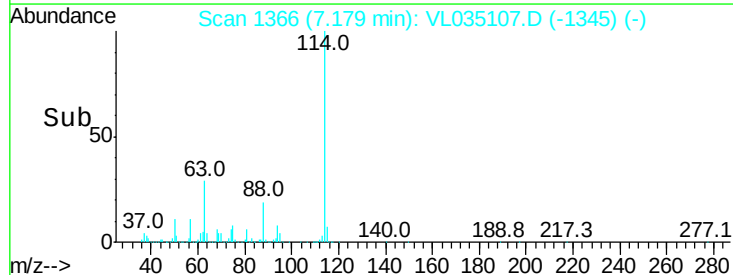
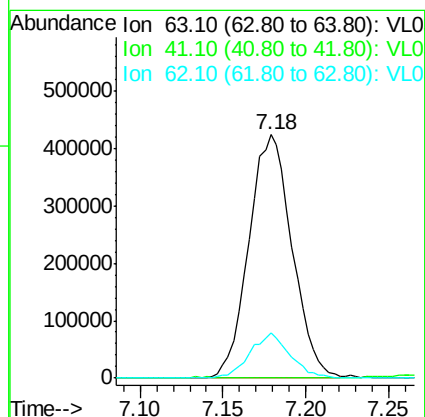
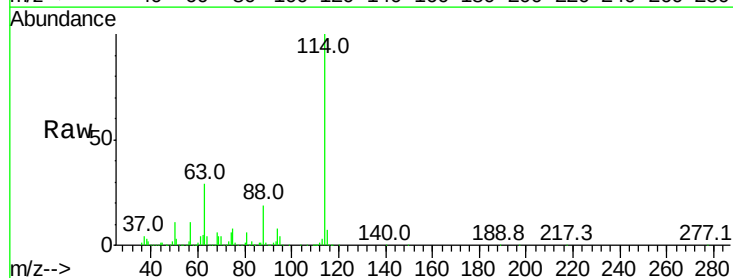
Tgt Ion: 63 Resp: 768014

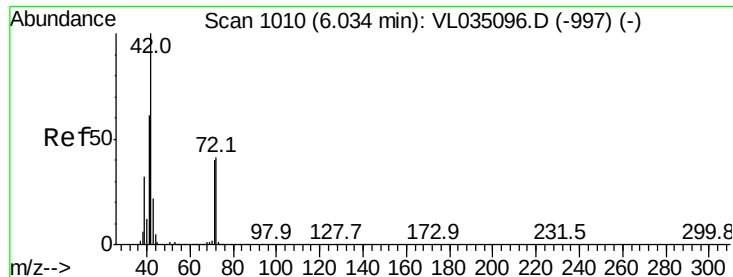
Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

62 18.6 55.4 83.0#





#41

Tetrahydrofuran

Concen: 0.099 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CARBON-01

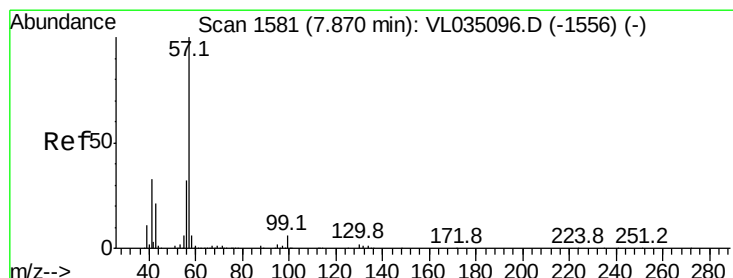
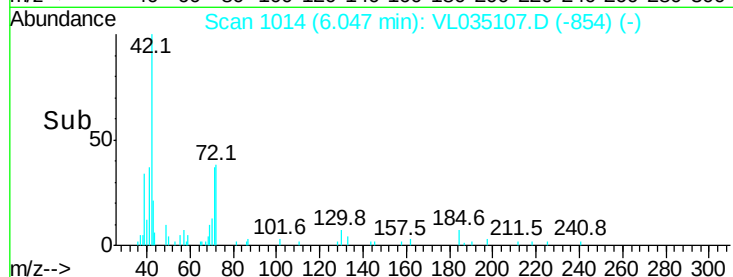
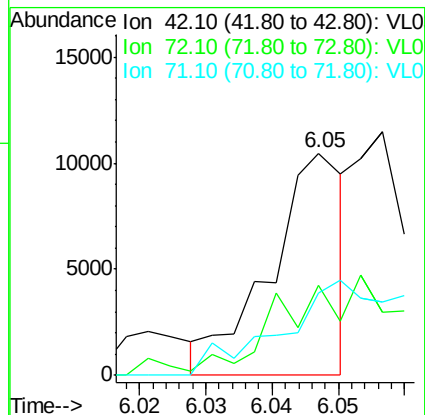
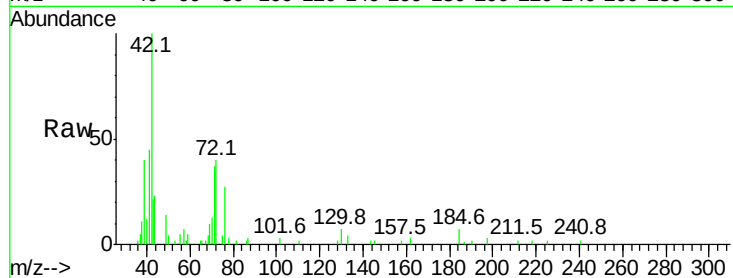
Tgt Ion: 42 Resp: 8102

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 31.8 47.6#



#44

2,2,4-Trimethylpentane

Concen: 0.030 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

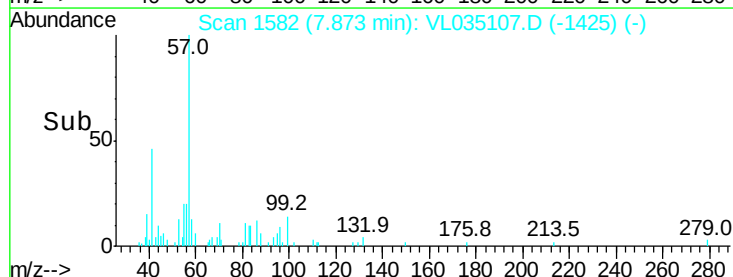
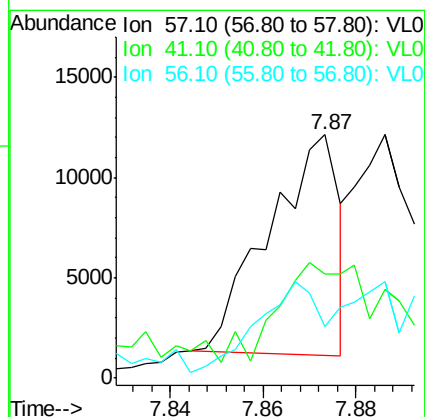
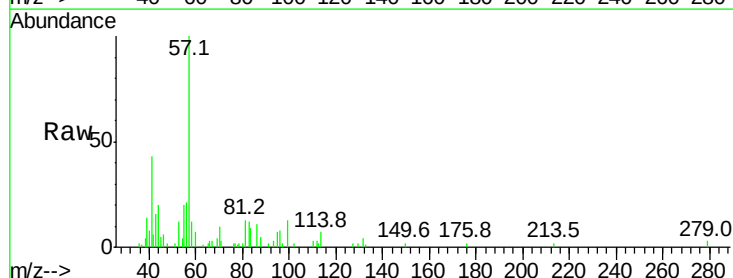
Tgt Ion: 57 Resp: 11534

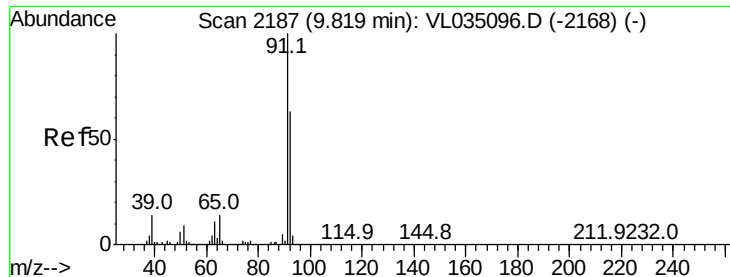
Ion Ratio Lower Upper

57 100

41 107.2 26.2 39.2#

56 0.0 25.4 38.2#





#53

Toluene

Concen: 0.339 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

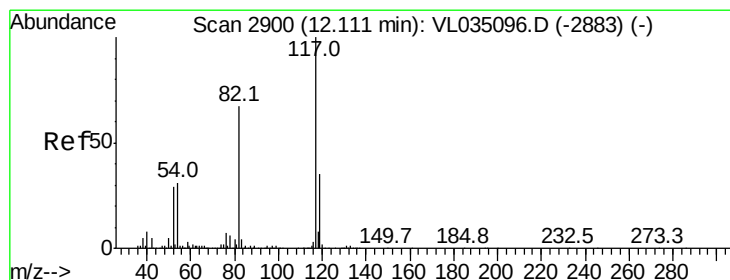
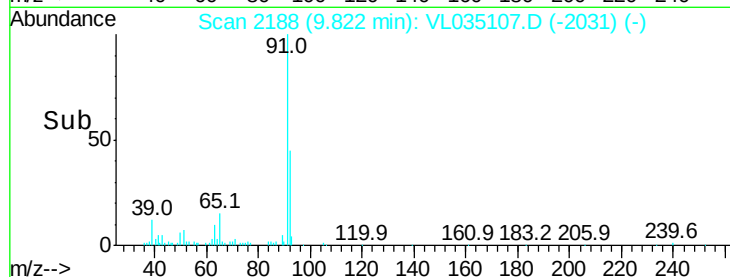
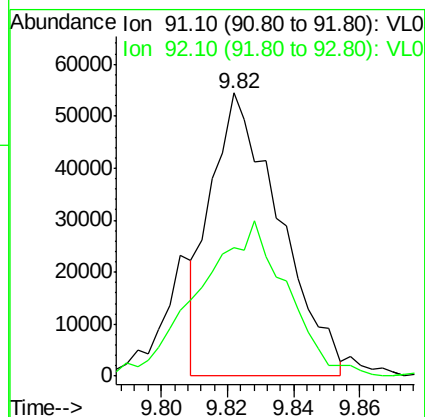
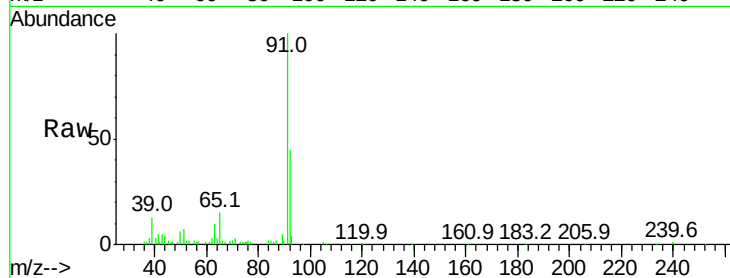
CARBON-01

Tgt Ion: 91 Resp: 78379

Ion Ratio Lower Upper

91 100

92 70.6 49.0 73.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

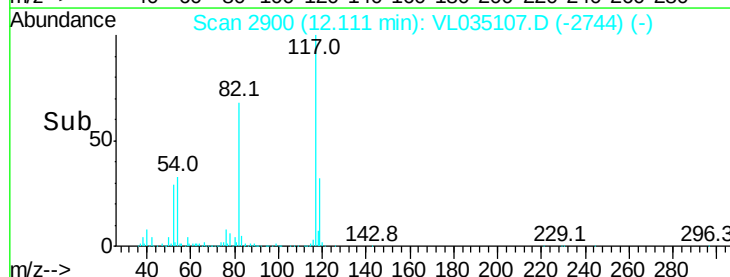
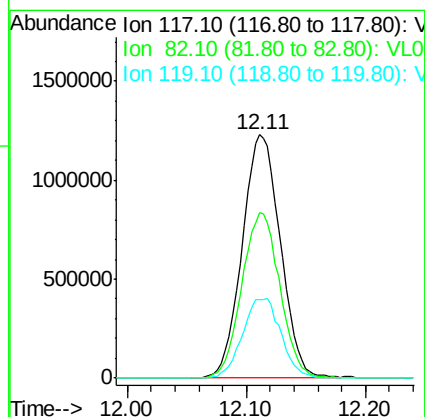
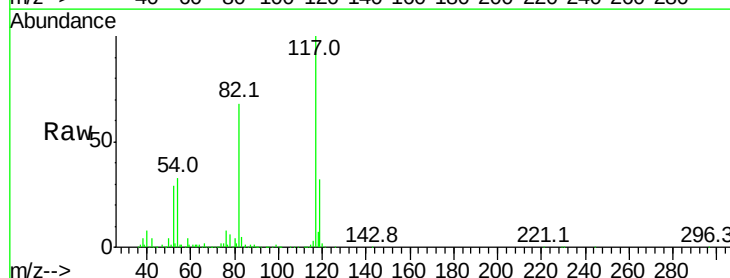
Tgt Ion: 117 Resp: 2724455

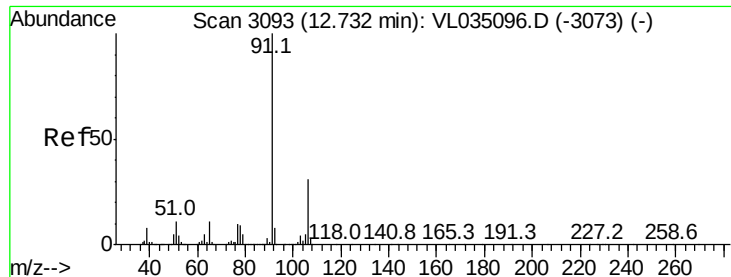
Ion Ratio Lower Upper

117 100

82 68.1 50.4 75.6

119 33.2 25.4 38.0





#58

Ethyl Benzene

Concen: 0.409 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

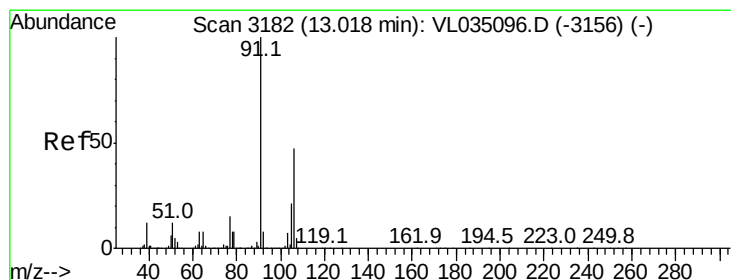
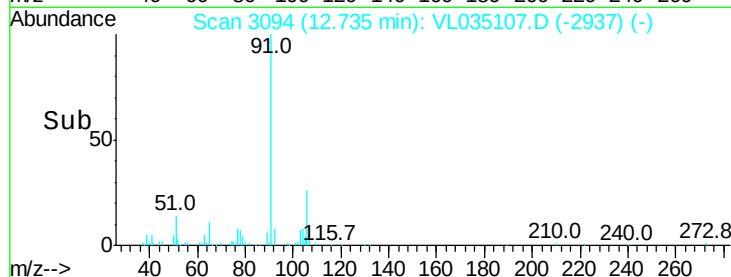
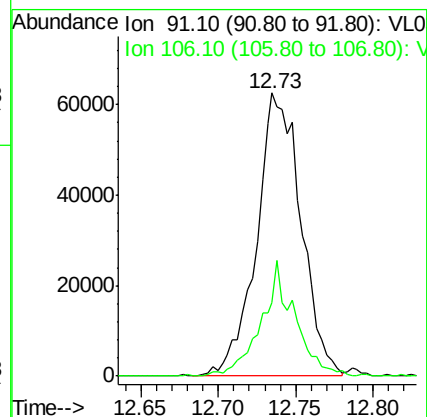
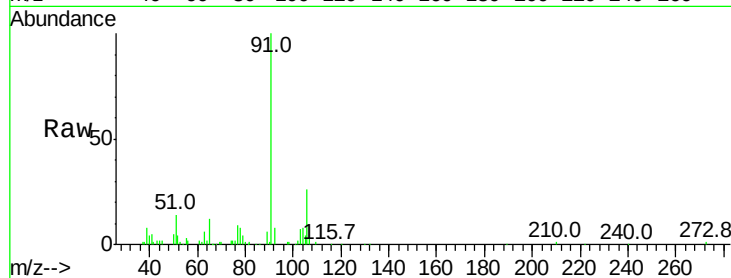
CARBON-01

Tgt Ion: 91 Resp: 125194

Ion Ratio Lower Upper

91 100

106 25.9 25.0 37.6



#59

m/p-Xylene

Concen: 2.679 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035107.D

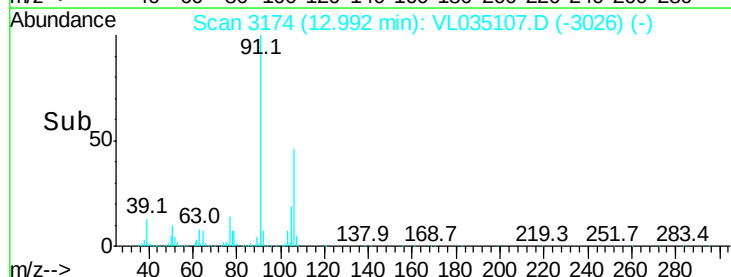
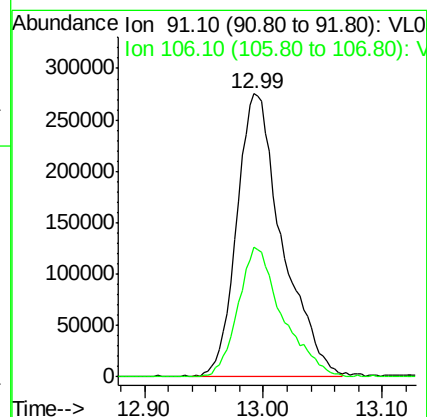
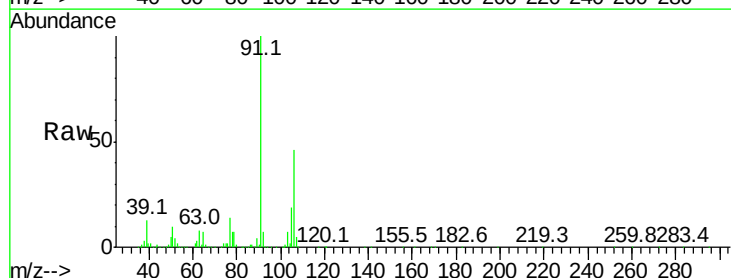
Acq: 22 Jun 2020 12:14

Tgt Ion: 91 Resp: 726749

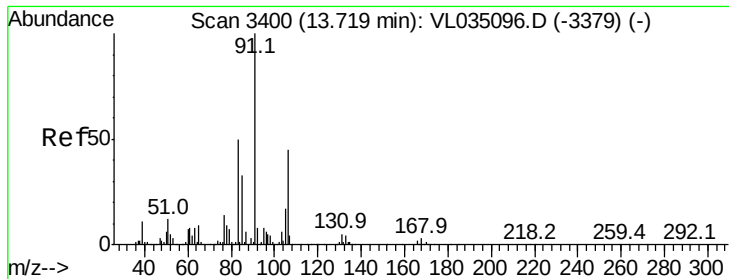
Ion Ratio Lower Upper

91 100

106 45.1 36.5 54.7



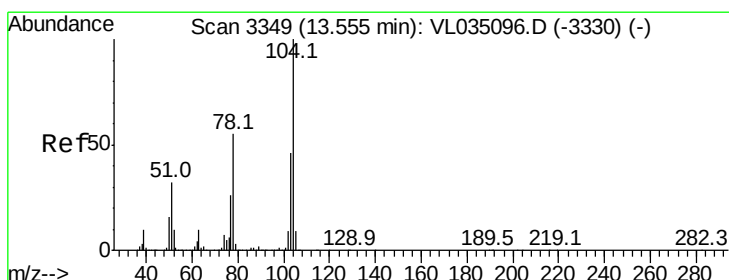
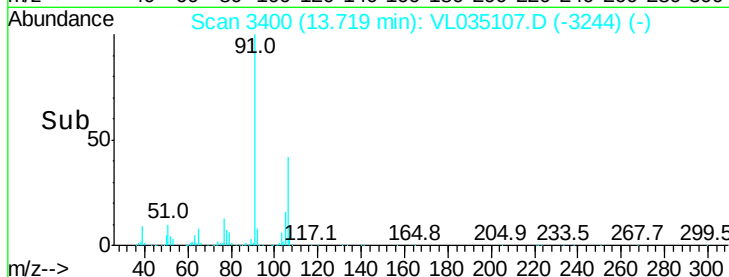
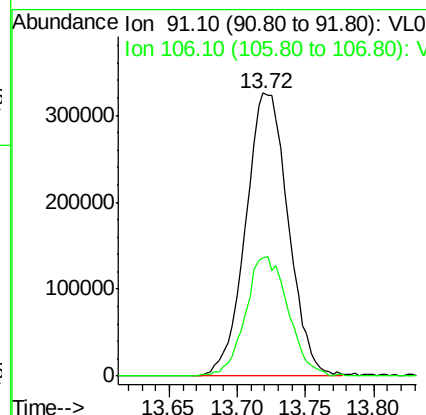
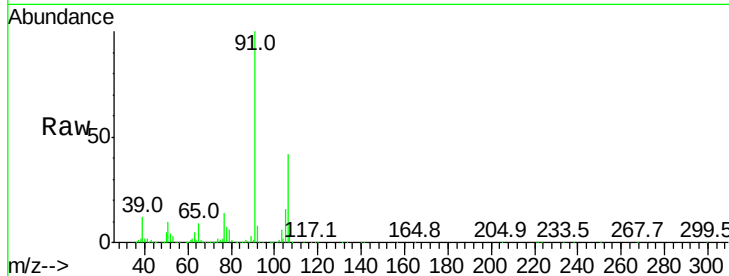




#60  
o-Xylene  
Concen: 2.616 ppbv  
RT: 13.72 min Scan# 3400  
Delta R.T. 0.00 min  
Lab File: VL035107.D  
Acq: 22 Jun 2020 12:14

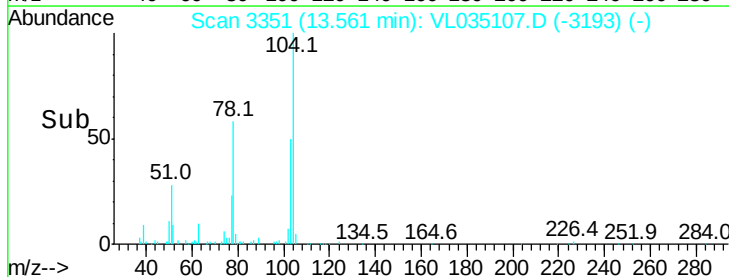
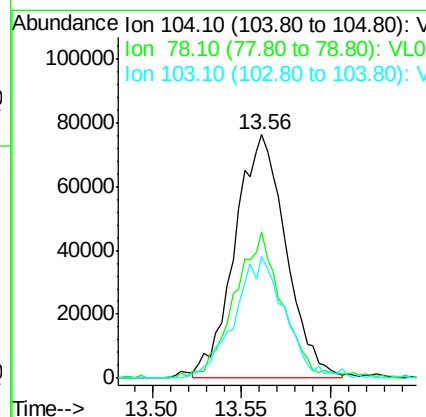
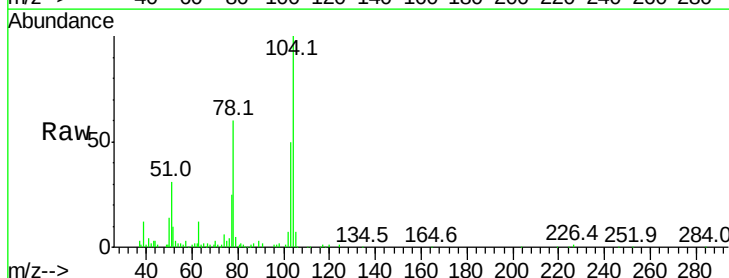
Instrument :  
MSVOA\_L  
ClientSampleId :  
CARBON-01

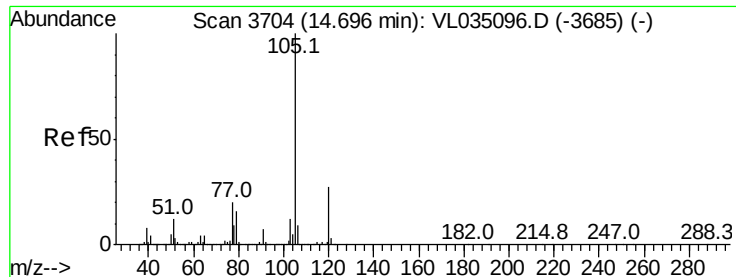
Tgt Ion: 91 Resp: 706615  
Ion Ratio Lower Upper  
91 100  
106 42.3 22.1 66.5



#61  
Styrene  
Concen: 0.895 ppbv  
RT: 13.56 min Scan# 3351  
Delta R.T. 0.01 min  
Lab File: VL035107.D  
Acq: 22 Jun 2020 12:14

Tgt Ion: 104 Resp: 152104  
Ion Ratio Lower Upper  
104 100  
78 57.7 43.4 65.0  
103 49.5 38.3 57.5





#62

Isopropylbenzene

Concen: 0.047 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

Instrument :

MSVOA\_L

ClientSampleId :

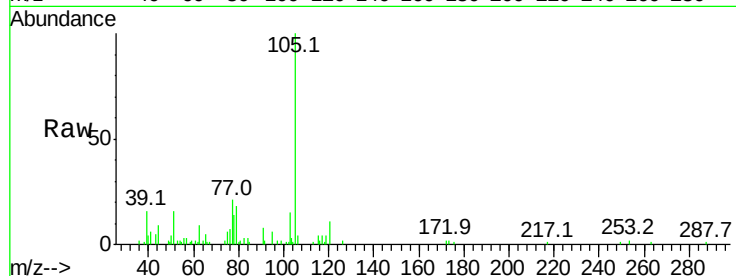
CARBON-01

Tgt Ion: 105 Resp: 18886

Ion Ratio Lower Upper

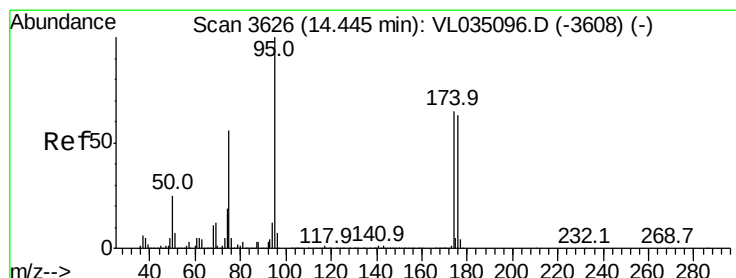
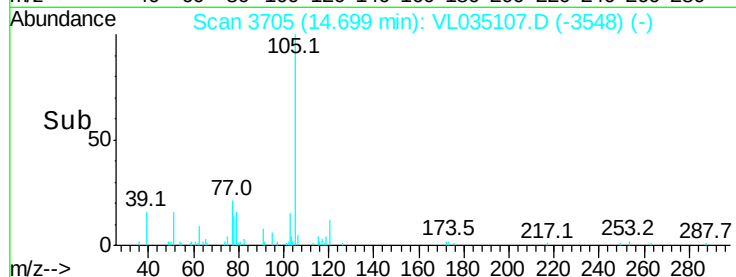
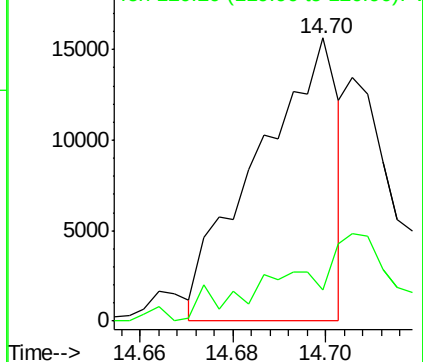
105 100

120 0.0 20.8 31.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.215 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

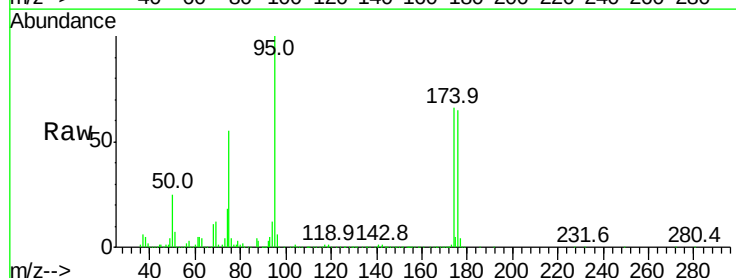
Tgt Ion: 95 Resp: 2311926

Ion Ratio Lower Upper

95 100

174 65.5 52.2 78.2

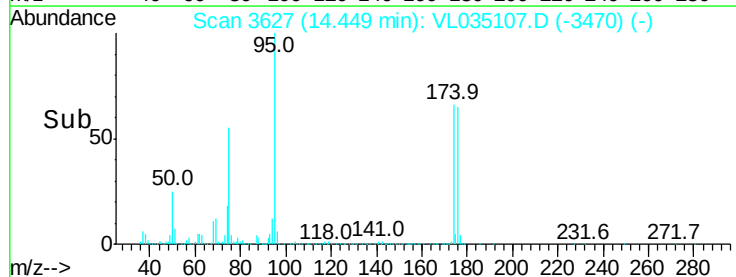
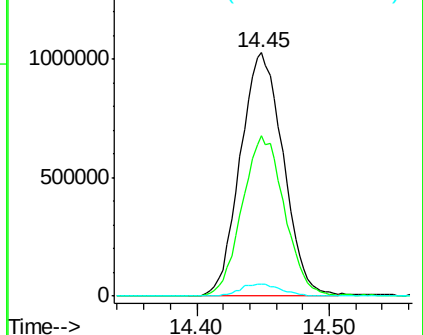
175 4.8 4.0 6.0

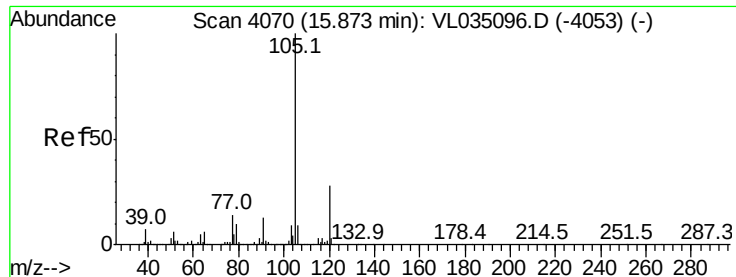


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.111 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

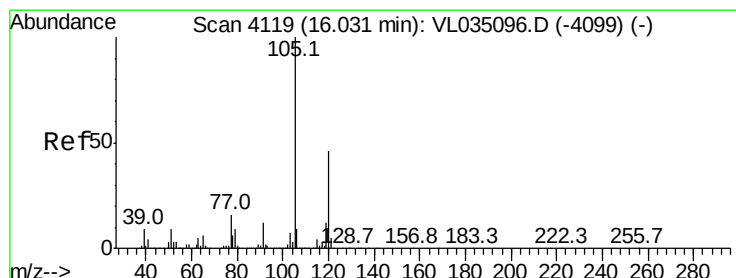
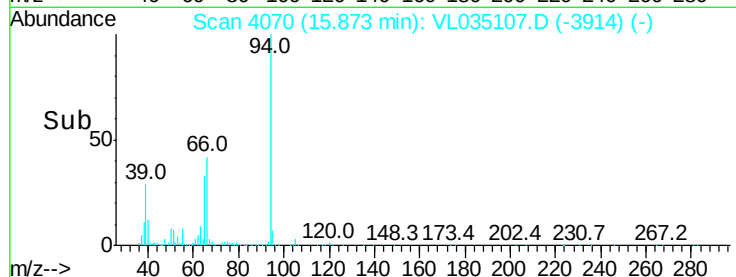
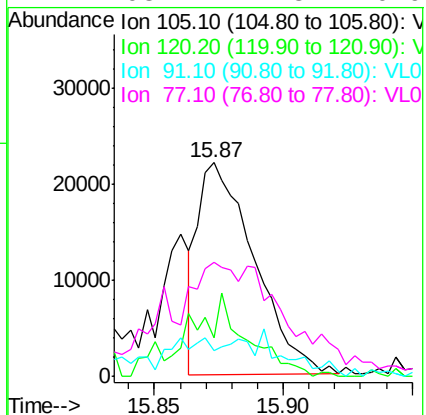
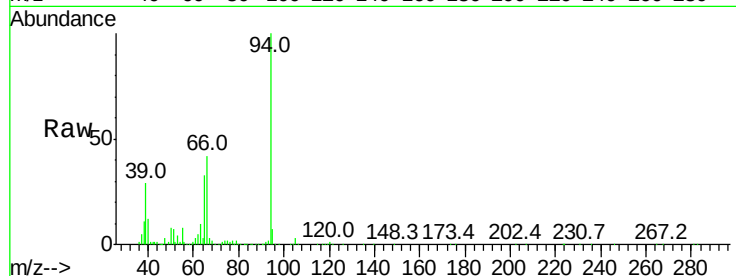
Instrument :

MSVOA\_L

ClientSampleId :

CARBON-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 33307 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 36.2  | 23.4  | 35.0# |
| 91        | 38.2  | 10.6  | 16.0# |
| 77        | 108.7 | 11.3  | 16.9# |



#73

1,3,5-Trimethylbenzene

Concen: 0.031 ppbv

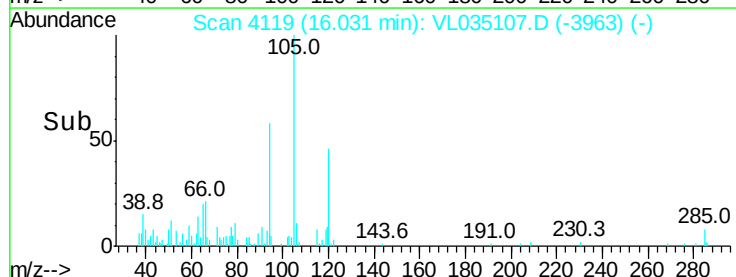
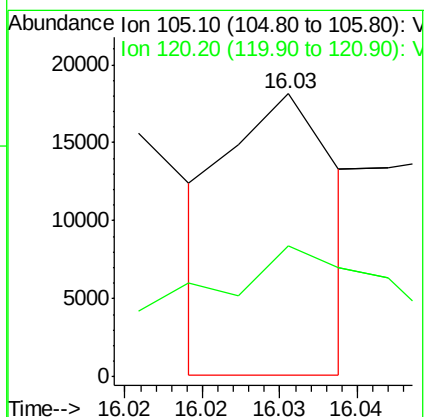
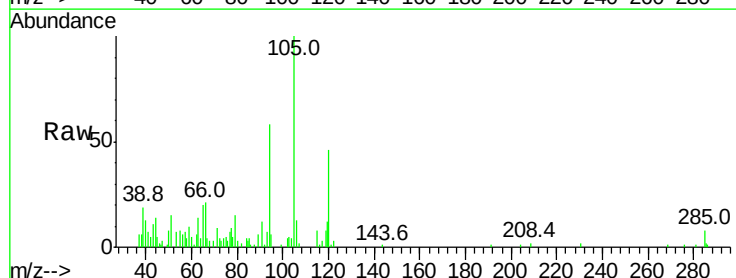
RT: 16.03 min Scan# 4119

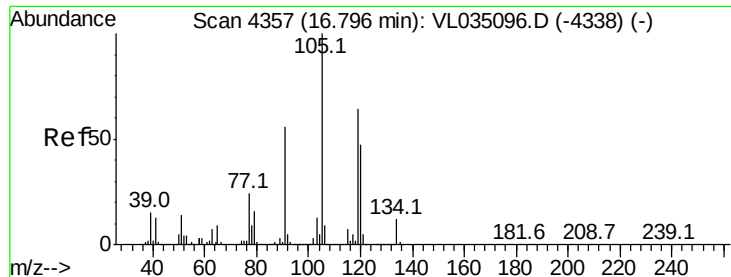
Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 8880  |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 28.0  | 37.0  | 55.6# |





#74

1,2,4-Trimethylbenzene

Concen: 0.337 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

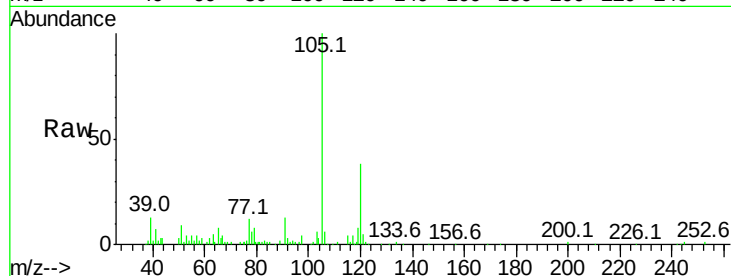
Instrument :

MSVOA\_L

ClientSampleId :

CARBON-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 106819 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 37.0  | 37.9  | 56.9#  |
| 91        | 15.2  | 46.0  | 69.0#  |
| 77        | 10.5  | 19.4  | 29.2#  |

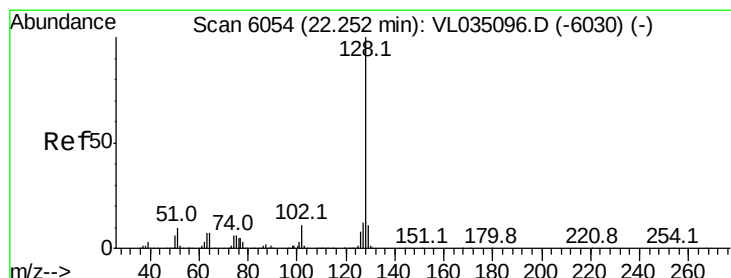
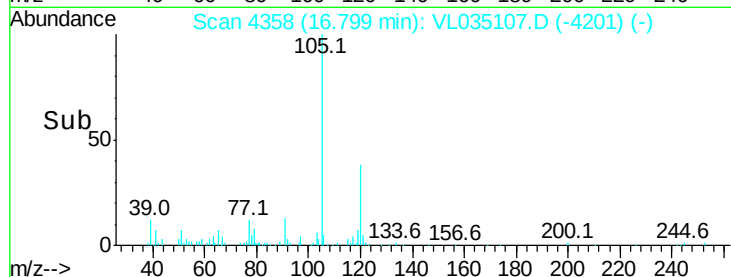
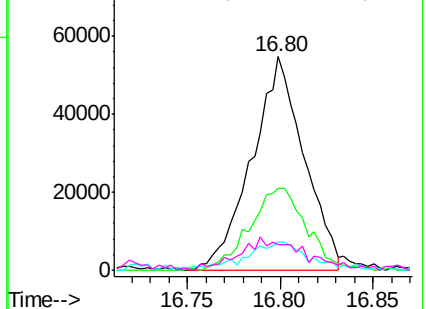


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.044 ppbv

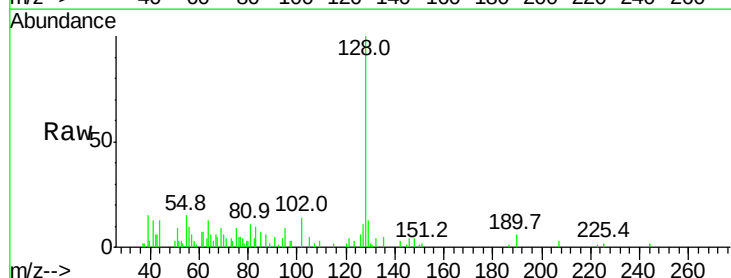
RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035107.D

Acq: 22 Jun 2020 12:14

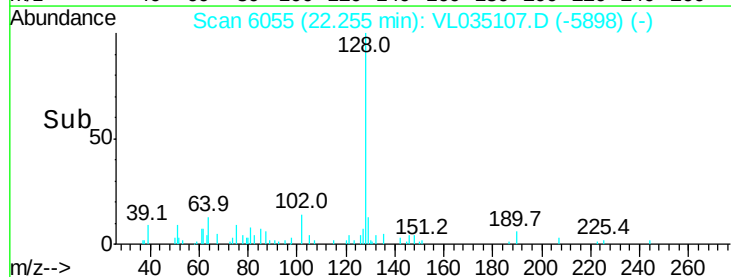
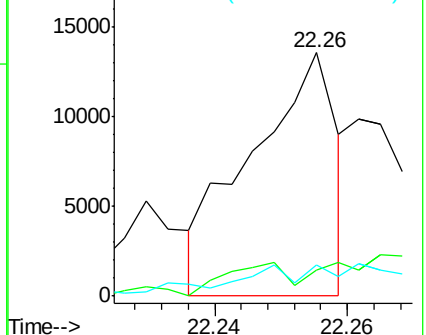
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 12166 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.8  | 9.9   | 14.9  |
| 129       | 10.9  | 9.0   | 13.4  |

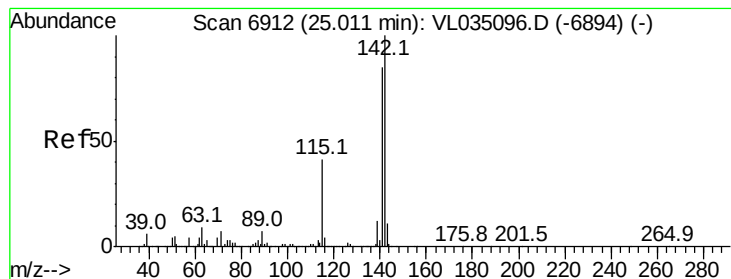


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

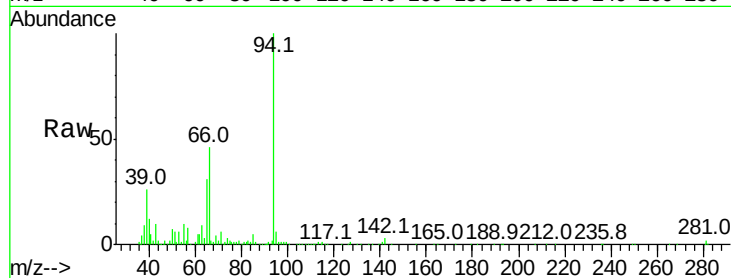




#80  
 Naphthalene, 2-methyl-  
 Concen: 0.102 ppbv  
 RT: 25.02 min Scan# 6915  
 Delta R.T. 0.01 min  
 Lab File: VL035107.D  
 Acq: 22 Jun 2020 12:14

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CARBON-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 95.1  | 67.5  | 101.3 |
| 115     | 65.8  | 33.8  | 50.8  |



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

