

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\  
 Data File : VL035059.D  
 Acq On : 20 May 2020 00:53  
 Operator : SY/AP  
 Sample : L2683-07  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: May 20 04:49:16 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   | 1161937  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2636050  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2533434  | 10.00 | ppbv  | -0.03    |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 2213066  | 10.79    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 107.90% |

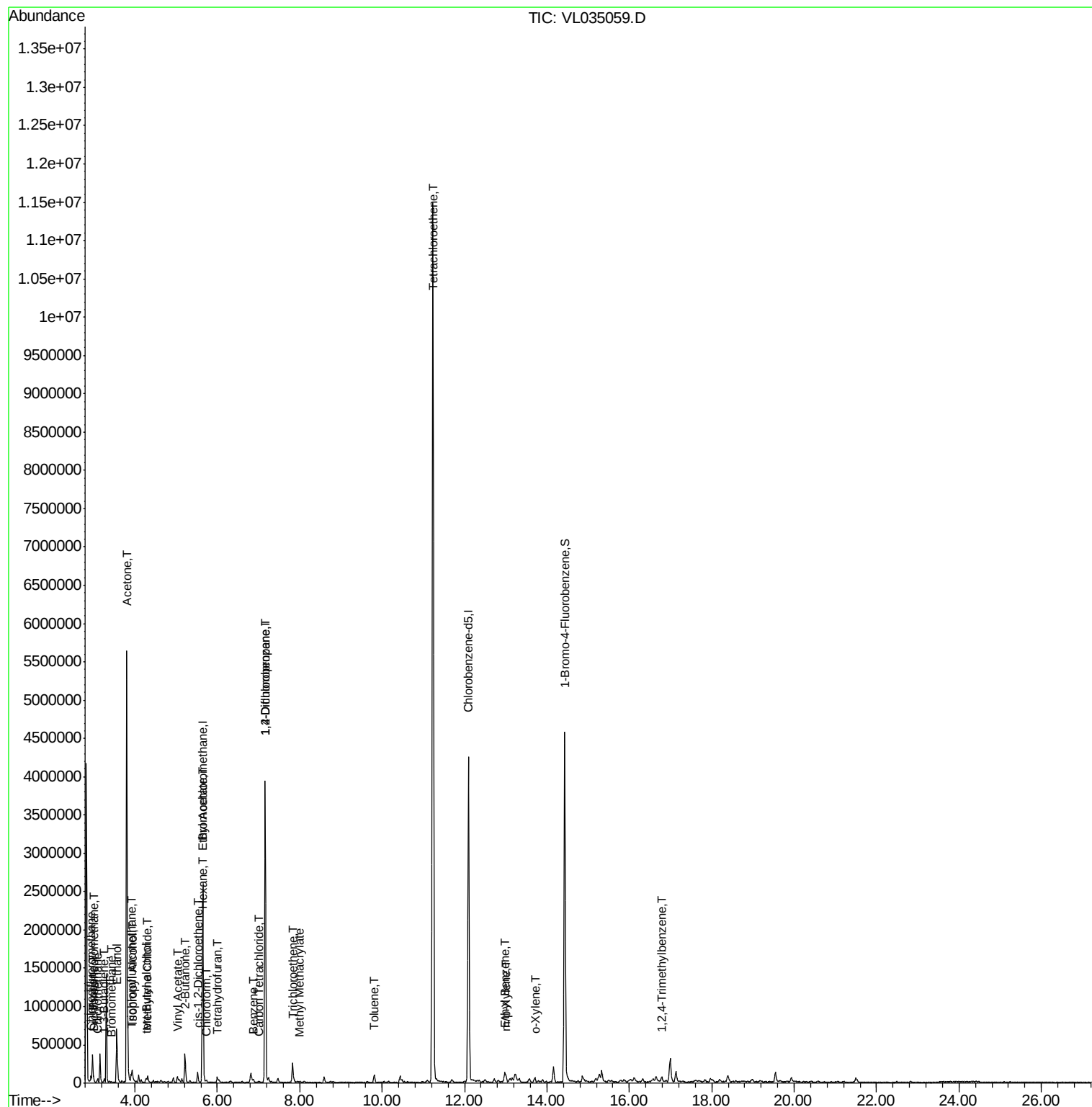
| Target Compounds           |       |     |         |        | Ovalue    |
|----------------------------|-------|-----|---------|--------|-----------|
| 2) Dichlorodifluoromethane | 3.00  | 85  | 48700   | 0.295  | ppbv 96   |
| 3) Chlorodifluoromethane   | 2.93  | 51  | 93754   | 0.707  | ppbv 94   |
| 4) Chloromethane           | 3.09  | 50  | 42585   | 0.560  | ppbv 98   |
| 6) Bromomethane            | 3.43  | 94  | 1897    | 0.043  | ppbv # 81 |
| 9) Propene                 | 2.97  | 41  | 70035   | 1.217  | ppbv # 71 |
| 11) Trichlorofluoromethane | 3.91  | 101 | 43447   | 0.256  | ppbv # 79 |
| 13) Ethanol                | 3.56  | 45  | 669418  | 35.241 | ppbv 99   |
| 15) Acetone                | 3.80  | 43  | 5683976 | 37.002 | ppbv 94   |
| 16) 1,3-Butadiene          | 3.26  | 39  | 14610   | 0.221  | ppbv # 8  |
| 17) tert-Butyl alcohol     | 4.26  | 59  | 10876   | 0.080  | ppbv # 32 |
| 19) Isopropyl Alcohol      | 3.93  | 45  | 141269  | 1.379  | ppbv # 94 |
| 20) Methylene Chloride     | 4.31  | 84  | 26484   | 0.521  | ppbv # 68 |
| 23) Vinyl Acetate          | 5.04  | 43  | 71211   | 0.366  | ppbv # 81 |
| 25) Ethyl Acetate          | 5.66  | 43  | 23508   | 0.091  | ppbv # 73 |
| 26) Hexane                 | 5.66  | 57  | 11358   | 0.102  | ppbv # 1  |
| 29) Chloroform             | 5.73  | 83  | 9379    | 0.051  | ppbv 96   |
| 31) cis-1,2-Dichloroethene | 5.52  | 61  | 70162   | 0.643  | ppbv # 88 |
| 34) 2-Butanone             | 5.22  | 43  | 403001  | 2.460  | ppbv 99   |
| 35) Carbon Tetrachloride   | 7.00  | 117 | 7527    | 0.045  | ppbv # 75 |
| 36) Benzene                | 6.88  | 78  | 19896   | 0.092  | ppbv # 73 |
| 38) Trichloroethene        | 7.83  | 130 | 67139   | 0.797  | ppbv 92   |
| 39) 1,2-Dichloropropane    | 7.16  | 63  | 728727  | 8.364  | ppbv # 25 |
| 41) Tetrahydrofuran        | 6.02  | 42  | 3128    | 0.036  | ppbv # 37 |
| 43) Methyl Methacrylate    | 8.00  | 69  | 2773    | 0.030  | ppbv # 1  |
| 52) Tetrachloroethene      | 11.23 | 164 | 3046863 | 39.427 | ppbv 97   |
| 53) Toluene                | 9.80  | 91  | 20103   | 0.087  | ppbv # 20 |
| 58) Ethyl Benzene          | 12.98 | 91  | 77292   | 0.247  | ppbv 92   |
| 59) m/p-Xylene             | 13.01 | 91  | 22666   | 0.082  | ppbv # 8  |
| 60) o-Xylene               | 13.70 | 91  | 26202   | 0.096  | ppbv # 32 |
| 74) 1,2,4-Trimethylbenzene | 16.77 | 105 | 10908   | 0.034  | ppbv # 80 |

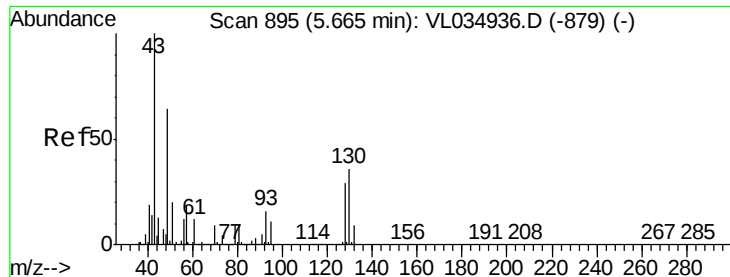
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

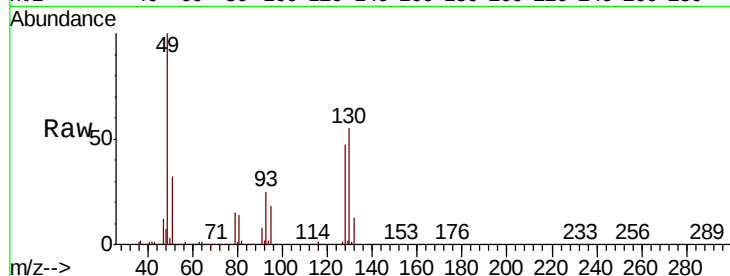
Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 49 Resp: 1161937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 45.5  | 22.1  | 66.5  |
| 130 | 57.3  | 29.1  | 87.3  |



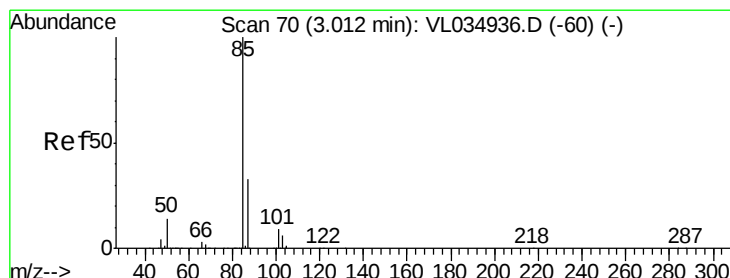
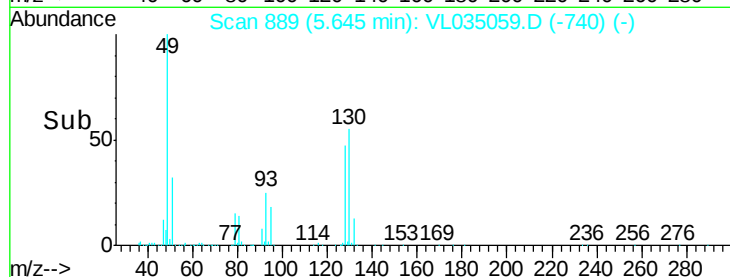
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.65

Time--> 5.55 5.60 5.65 5.70



#2

Dichlorodifluoromethane

Concen: 0.295 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Tgt Ion: 85 Resp: 48700

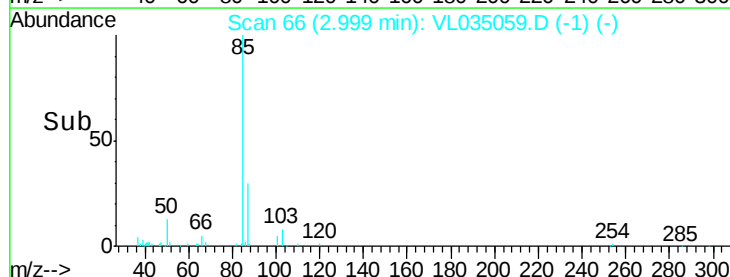
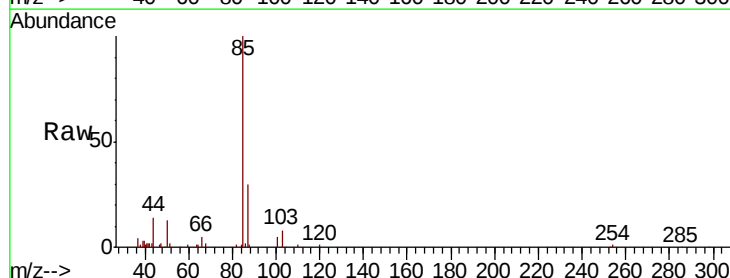
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 30.4  | 26.2  | 39.2  |

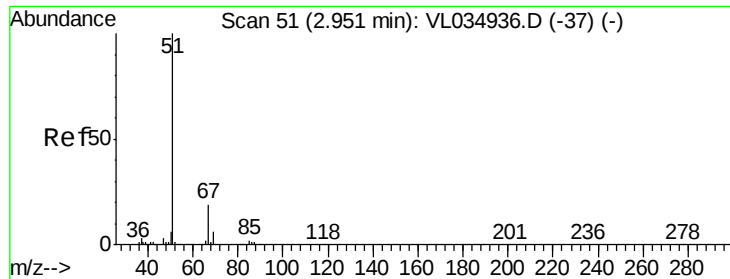
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

Time--> 2.95 3.00





#3

Chlorodifluoromethane

Concen: 0.707 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

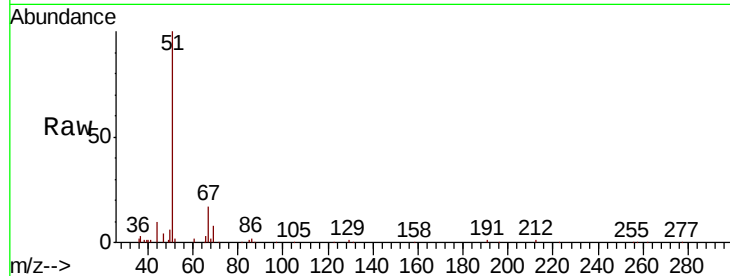
ClientSampleId :

Tot Ion: 51 Resp: 93754

Ion Ratio Lower Upper

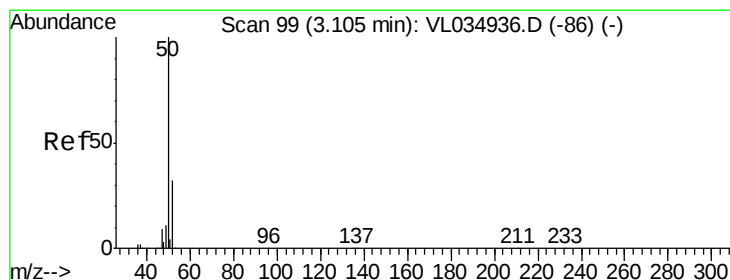
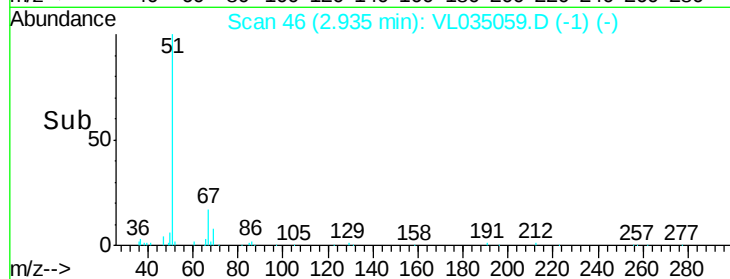
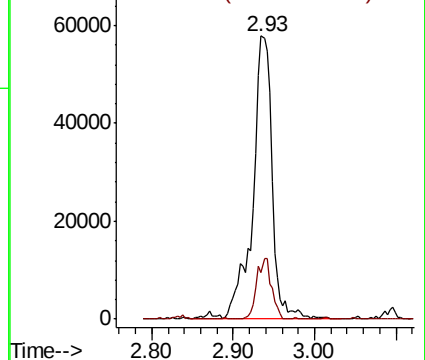
51 100

67 16.1 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: 0.560 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.02 min

Lab File: VL035059.D

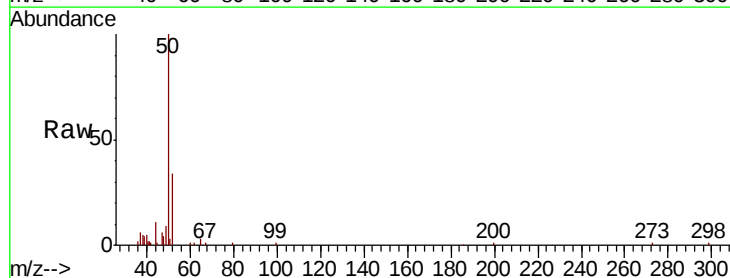
Acq: 20 May 2020 00:53

Tgt Ion: 50 Resp: 42585

Ion Ratio Lower Upper

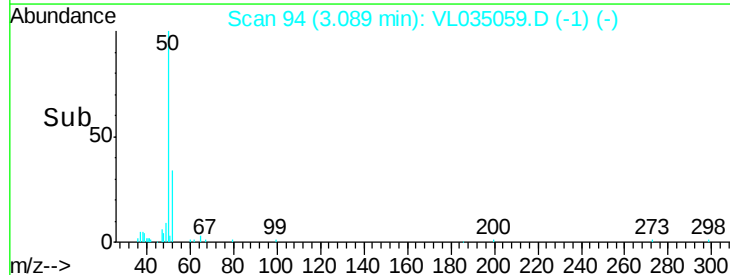
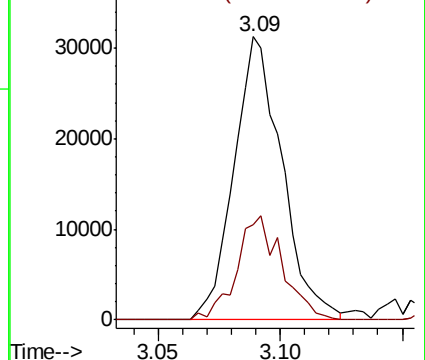
50 100

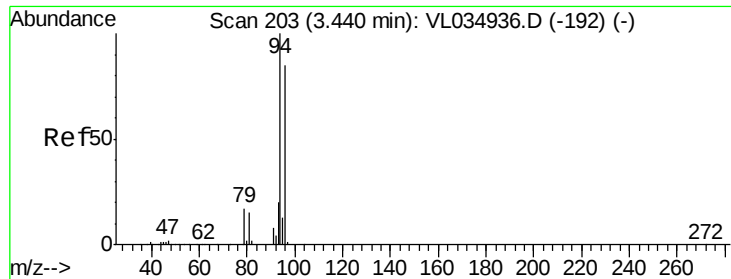
52 32.7 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.043 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

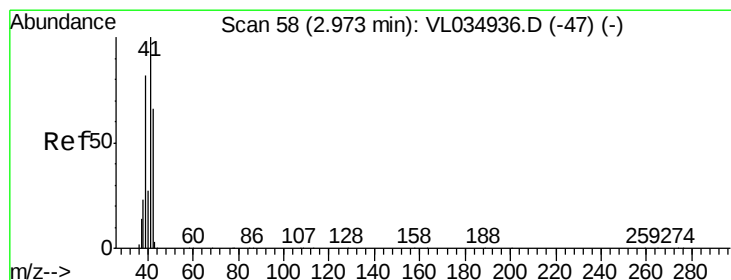
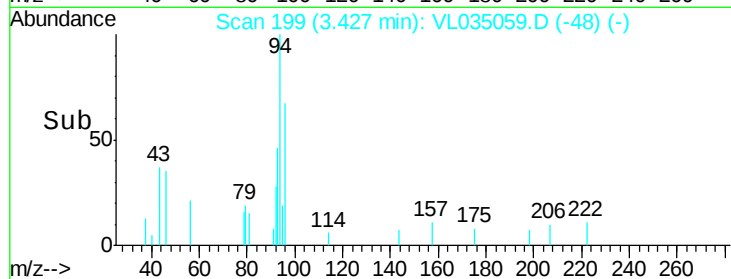
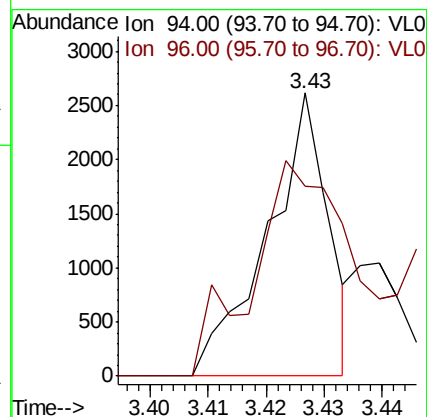
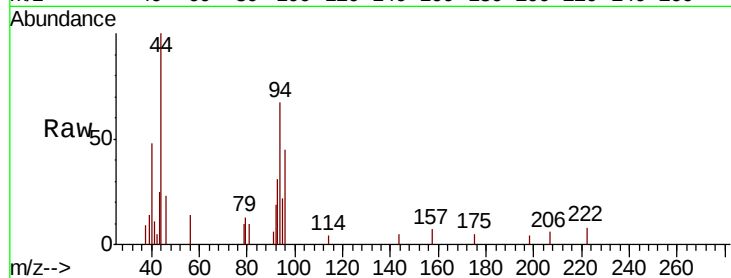
ClientSampleId :

Tot Ion: 94 Resp: 1897

Ion Ratio Lower Upper

94 100

96 67.3 67.9 101.9#



#9

Propene

Concen: 1.217 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL035059.D

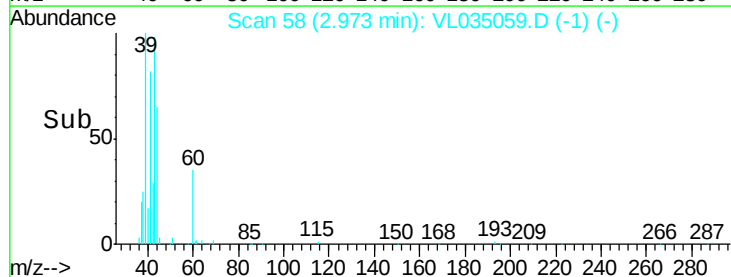
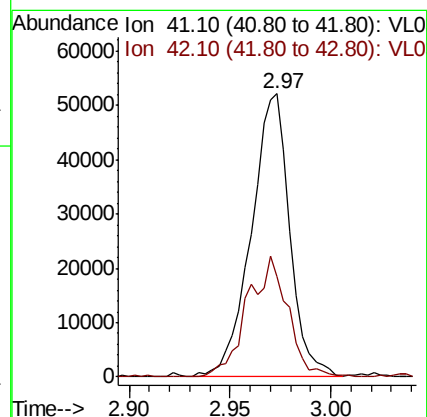
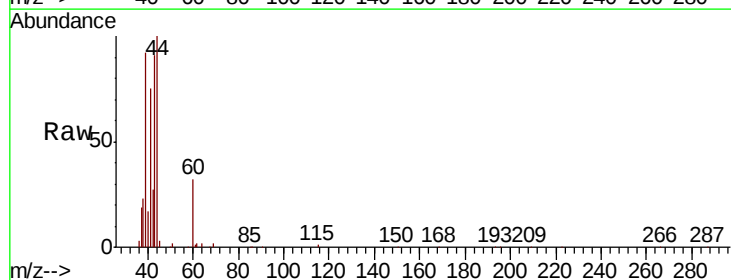
Acq: 20 May 2020 00:53

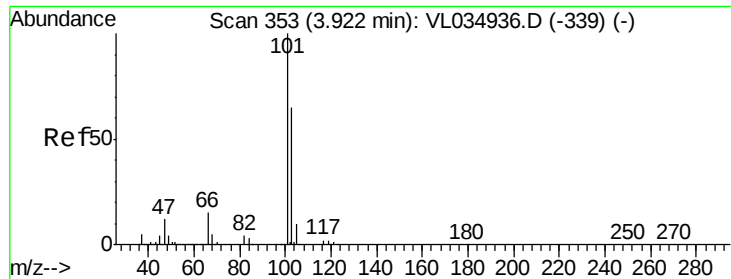
Tgt Ion: 41 Resp: 70035

Ion Ratio Lower Upper

41 100

42 44.8 54.5 81.7#

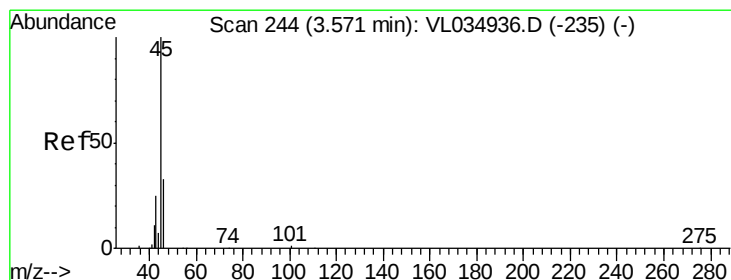
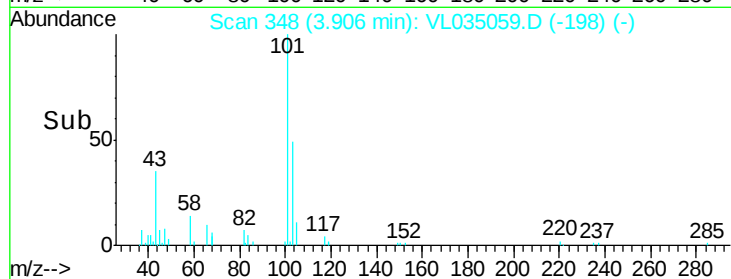
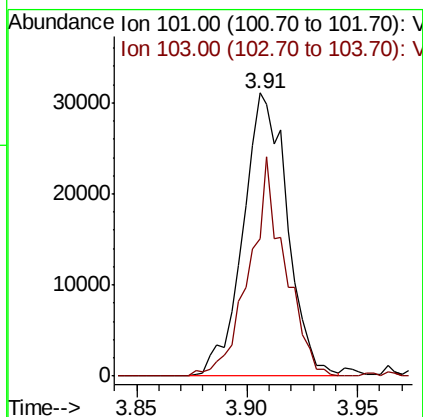
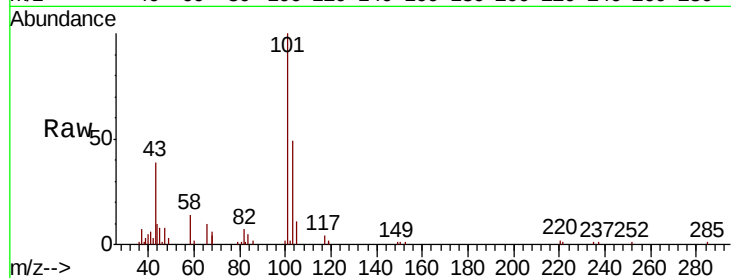




#11  
 Trichlorofluoromethane  
 Concen: 0.256 ppbv  
 RT: 3.91 min Scan# 348  
 Delta R.T. -0.02 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

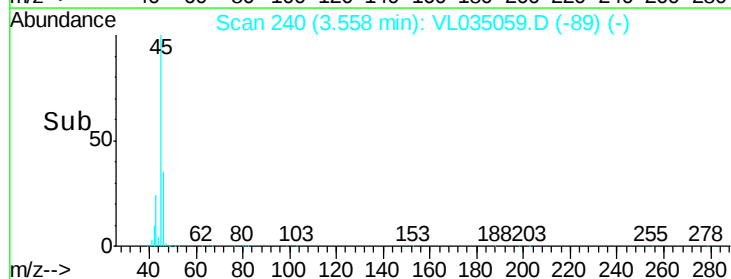
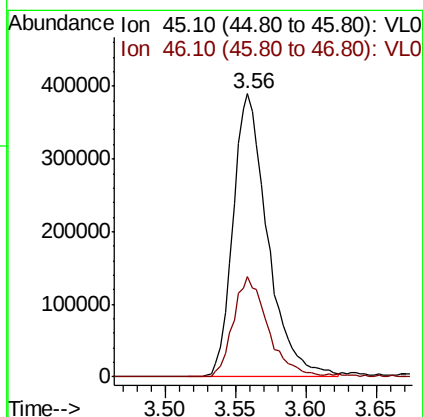
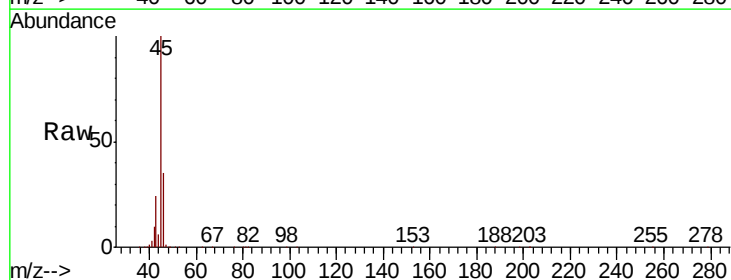
Instrument :  
 MSVOA\_L  
 ClientSampleId :

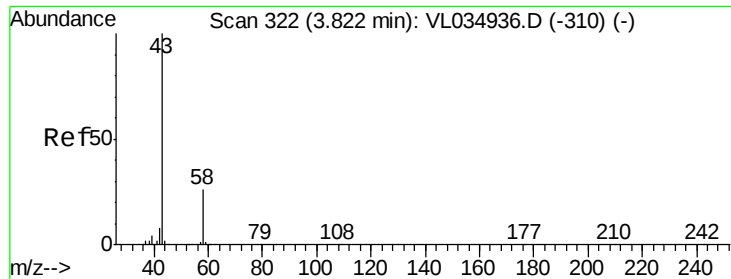
Tot Ion:101 Resp: 43447  
 Ion Ratio Lower Upper  
 101 100  
 103 48.5 51.9 77.9#



#13  
 Ethanol  
 Concen: 35.241 ppbv  
 RT: 3.56 min Scan# 240  
 Delta R.T. -0.01 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

Tgt Ion: 45 Resp: 669418  
 Ion Ratio Lower Upper  
 45 100  
 46 36.4 14.3 57.3





#15

Acetone

Concen: 37.002 ppbv

RT: 3.80 min Scan# 315

Delta R.T. -0.02 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

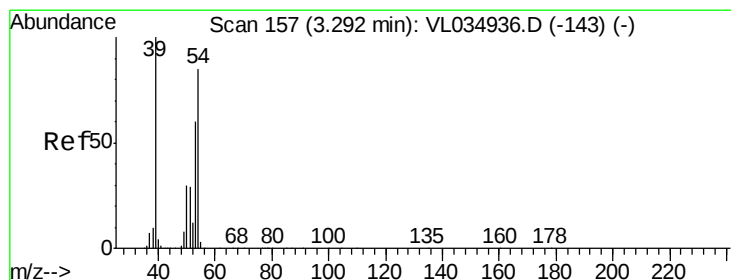
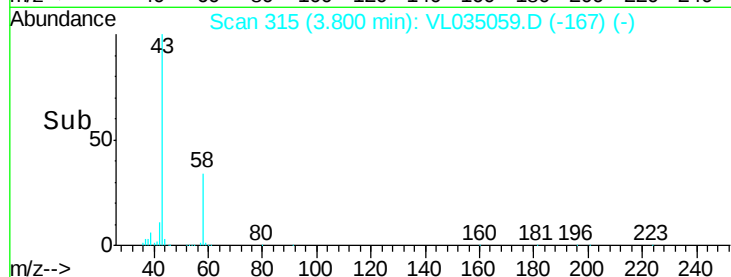
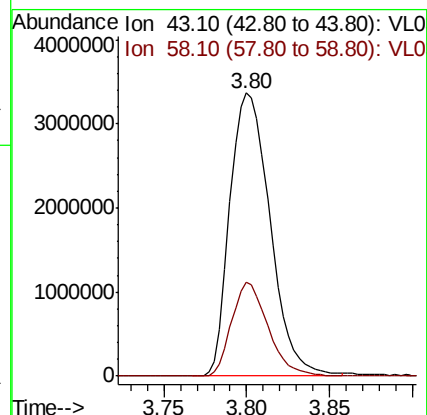
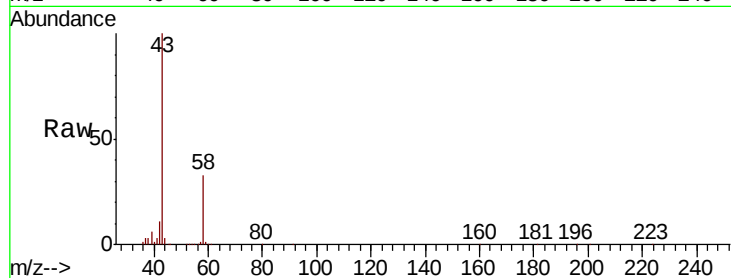
Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 43 Resp: 5683976

Ion Ratio Lower Upper

43 100

58 30.3 21.7 32.5



#16

1,3-Butadiene

Concen: 0.221 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.03 min

Lab File: VL035059.D

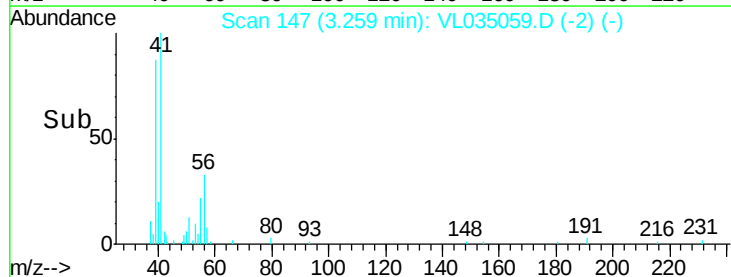
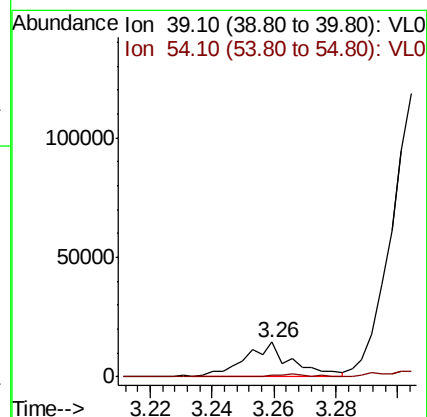
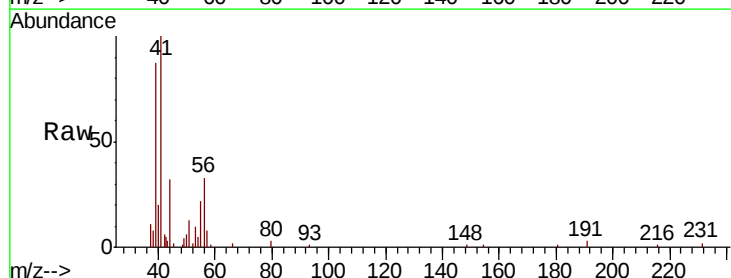
Acq: 20 May 2020 00:53

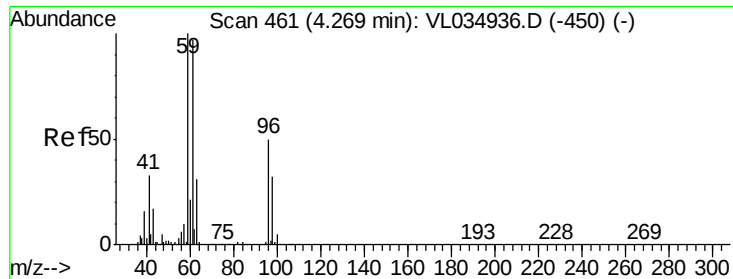
Tgt Ion: 39 Resp: 14610

Ion Ratio Lower Upper

39 100

54 0.0 66.6 100.0#

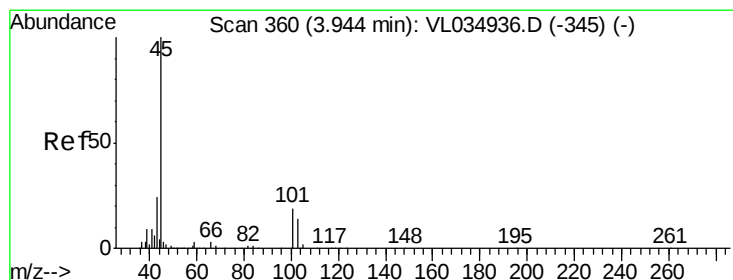
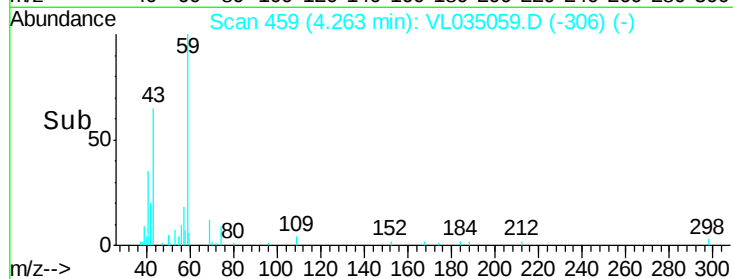
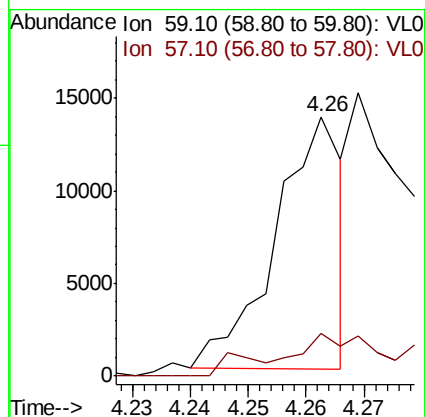
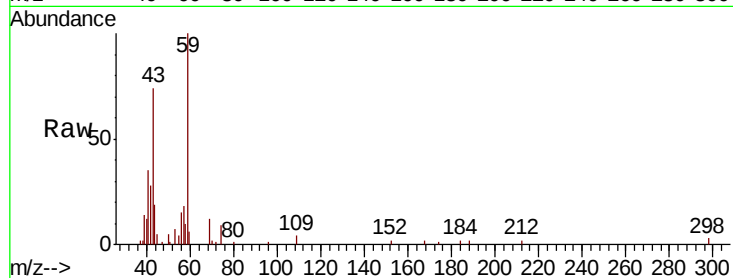




#17  
 tert-Butyl alcohol  
 Concen: 0.080 ppbv  
 RT: 4.26 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

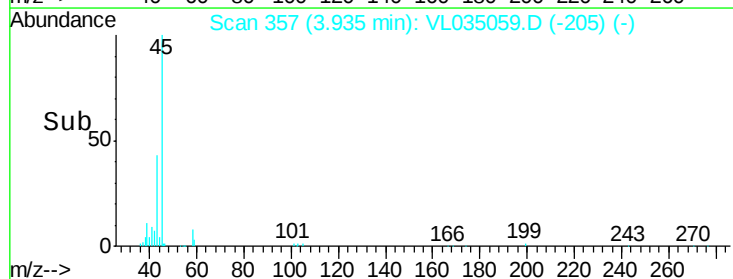
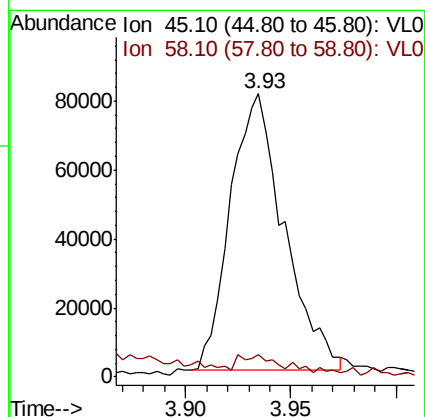
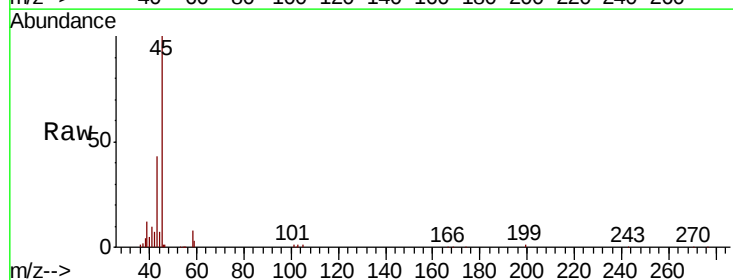
Instrument :  
 MSVOA\_L  
 ClientSampleId :

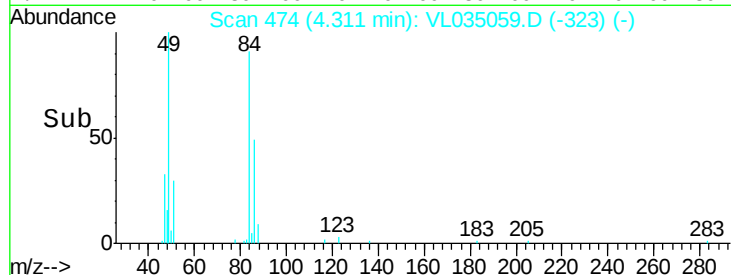
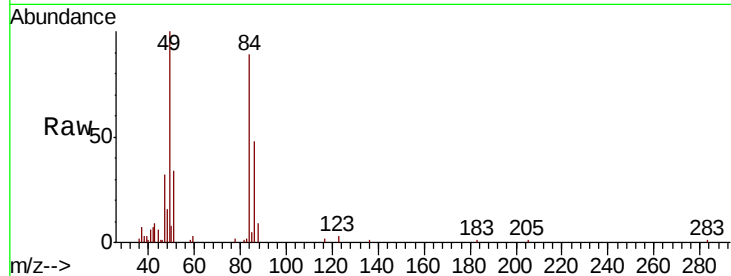
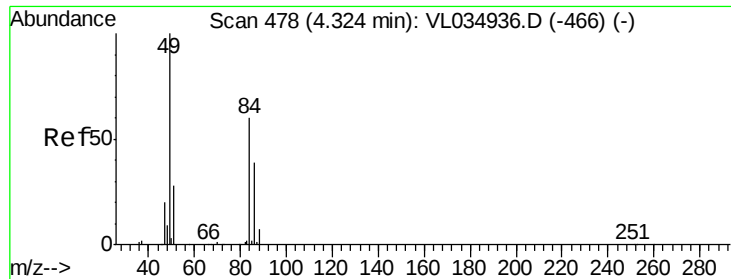
Tot Ion: 59 Resp: 10876  
 Ion Ratio Lower Upper  
 59 100  
 57 36.6 8.7 13.1#



#19  
 Isopropyl Alcohol  
 Concen: 1.379 ppbv  
 RT: 3.93 min Scan# 357  
 Delta R.T. -0.01 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

Tgt Ion: 45 Resp: 141269  
 Ion Ratio Lower Upper  
 45 100  
 58 0.0 1.7 2.5#

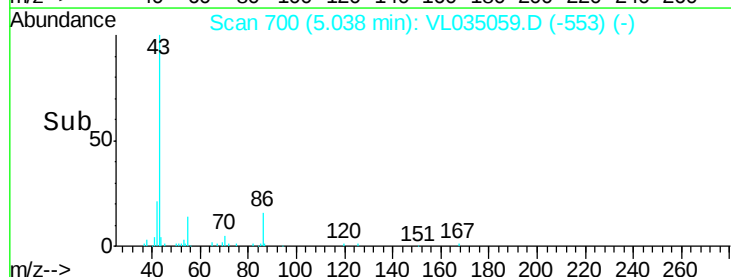
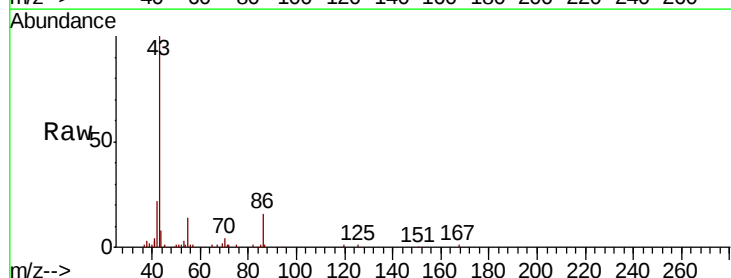
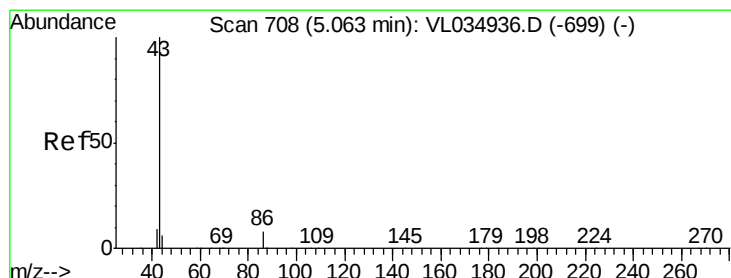
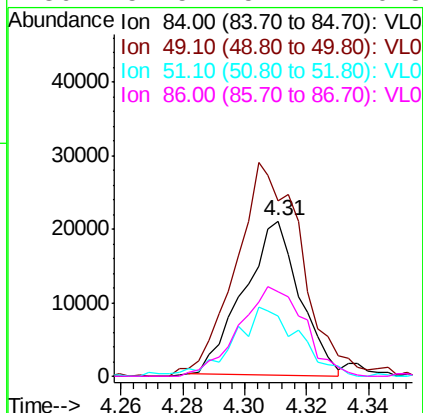




#20  
Methvlene Chloride  
Concen: 0.521 ppbv  
RT: 4.31 min Scan# 474  
Delta R.T. -0.01 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

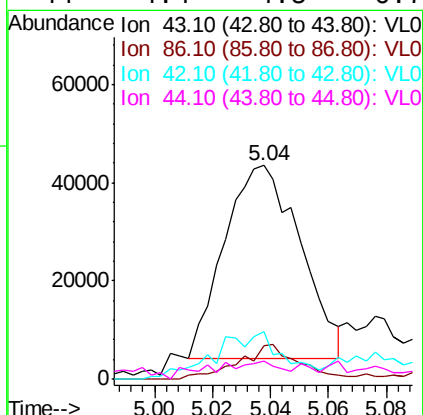
Instrument :  
MSVOA\_L  
ClientSampleId :

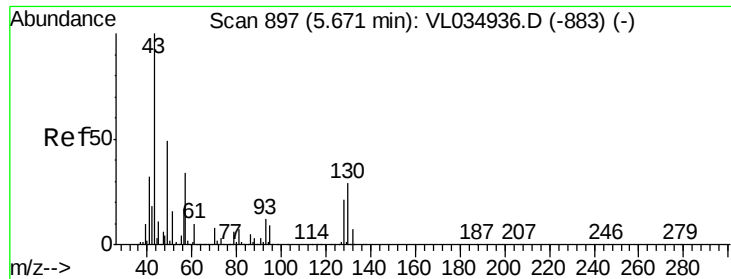
| Tot Ion   | 84    | Resp  | 26484  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 84        | 100   |       |        |
| 49        | 109.4 | 132.5 | 198.7# |
| 51        | 34.3  | 38.4  | 57.6#  |
| 86        | 52.5  | 51.2  | 76.8   |



#23  
Vinyl Acetate  
Concen: 0.366 ppbv  
RT: 5.04 min Scan# 700  
Delta R.T. -0.03 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

| Tgt Ion   | 43    | Resp  | 71211 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 86        | 15.1  | 5.5   | 8.3#  |
| 42        | 18.7  | 8.0   | 12.0# |
| 44        | 4.4   | 4.5   | 6.7#  |

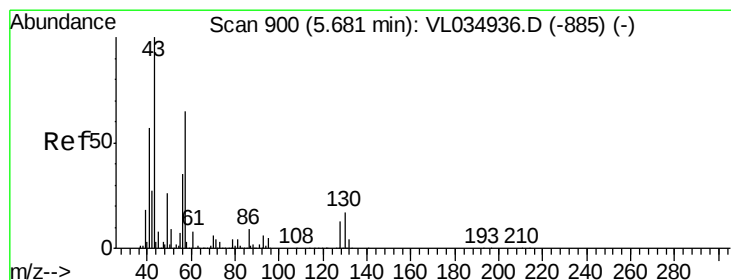
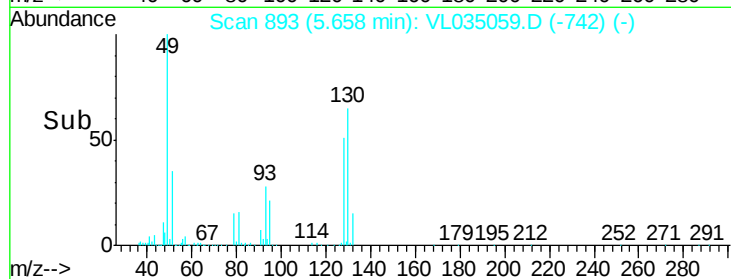
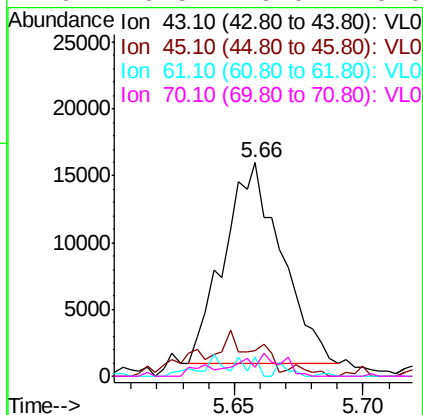
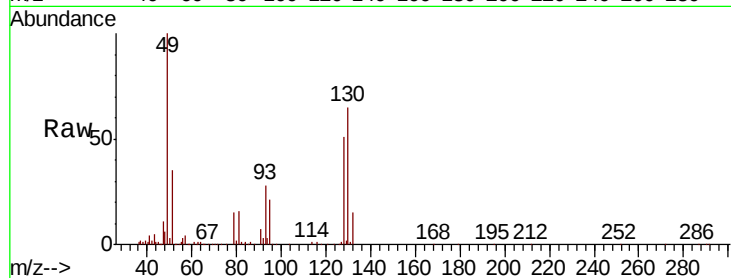




#25  
Ethyl Acetate  
Concen: 0.091 ppbv  
RT: 5.66 min Scan# 893  
Delta R.T. -0.01 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

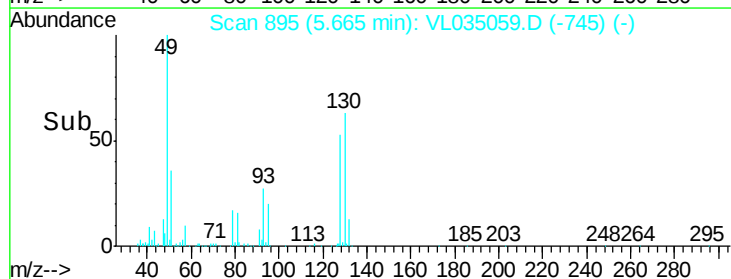
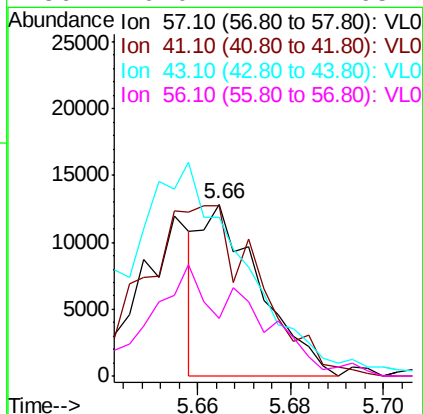
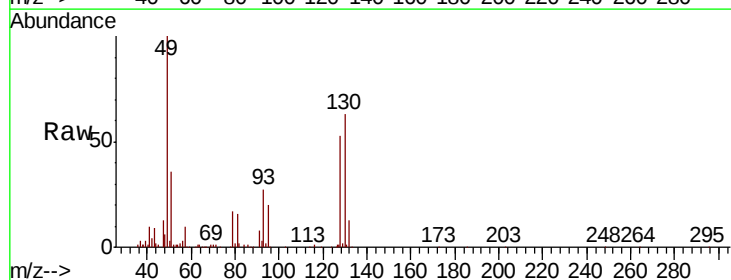
Instrument :  
MSVOA\_L  
ClientSampleId :

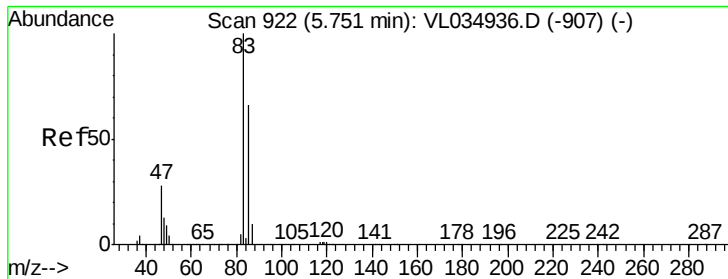
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 23508 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 25.0  | 8.1   | 12.1# |
| 61       | 0.0   | 7.8   | 11.8# |
| 70       | 10.5  | 6.0   | 9.0#  |



#26  
Hexane  
Concen: 0.102 ppbv  
RT: 5.66 min Scan# 895  
Delta R.T. -0.02 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 11358  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 196.0 | 72.7  | 109.1# |
| 43       | 0.0   | 182.1 | 273.1# |
| 56       | 0.0   | 42.2  | 63.2#  |





#29

Chloroform

Concen: 0.051 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

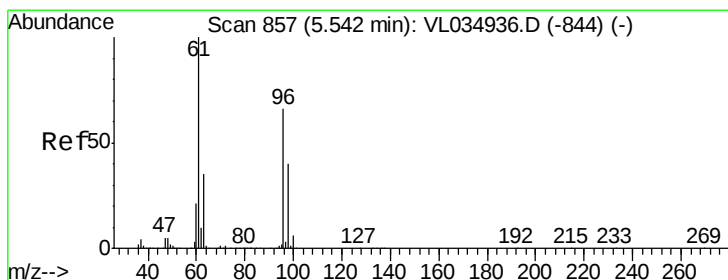
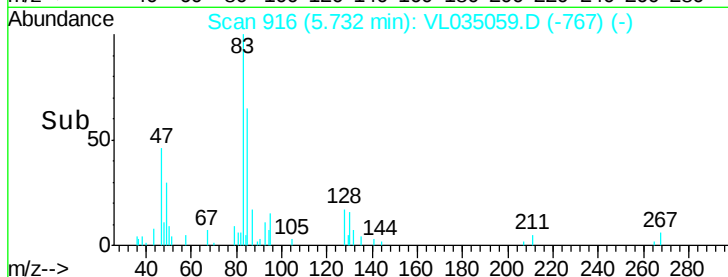
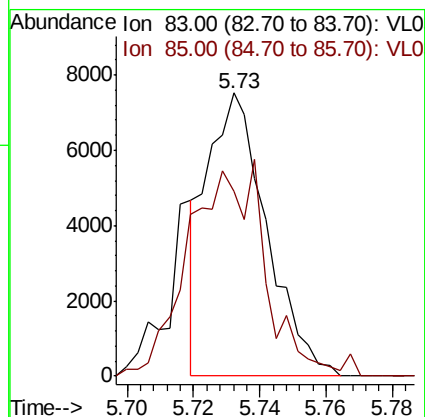
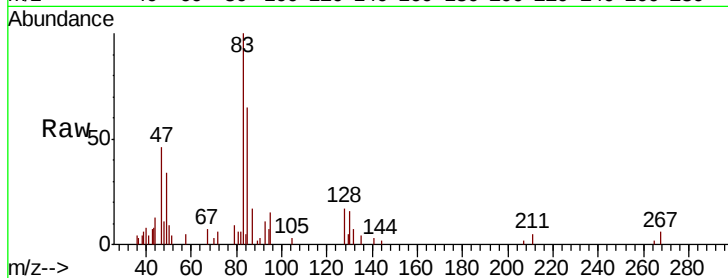
ClientSampleId :

Tot Ion: 83 Resp: 9379

Ion Ratio Lower Upper

83 100

85 63.0 53.0 79.6



#31

cis-1,2-Dichloroethene

Concen: 0.643 ppbv

RT: 5.52 min Scan# 851

Delta R.T. -0.02 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

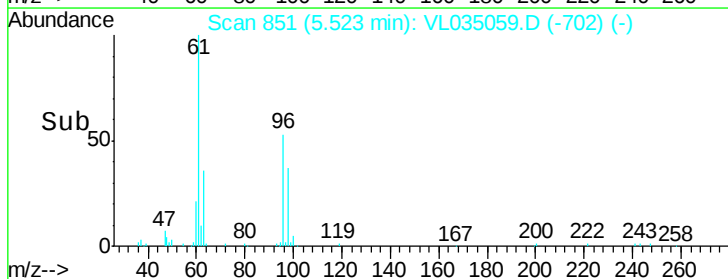
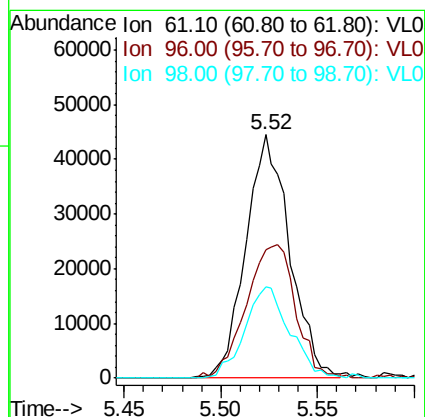
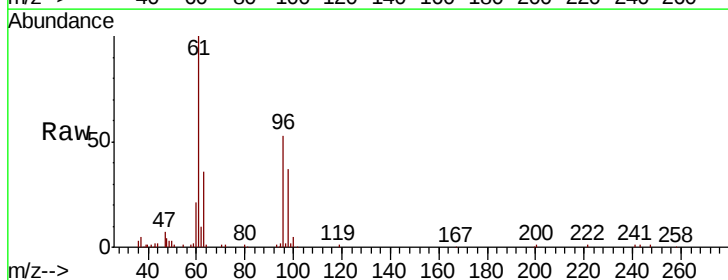
Tgt Ion: 61 Resp: 70162

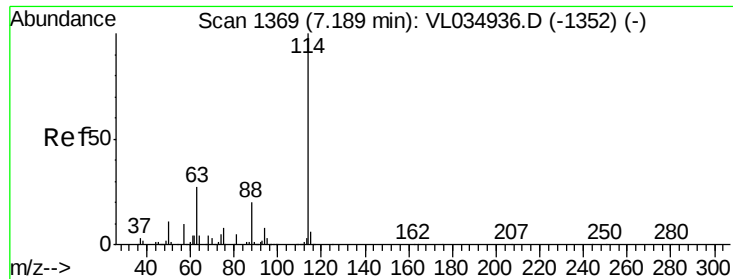
Ion Ratio Lower Upper

61 100

96 52.7 53.0 79.6#

98 37.3 32.2 48.2

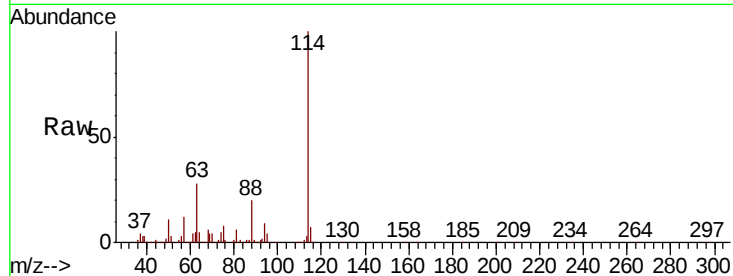




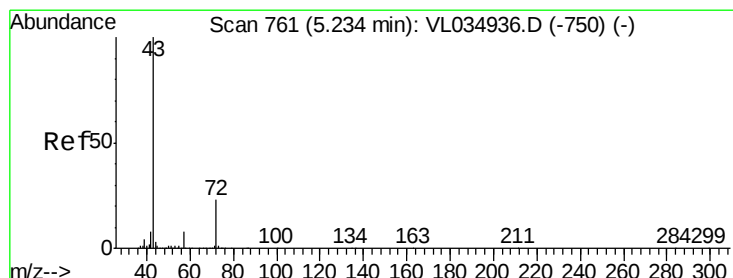
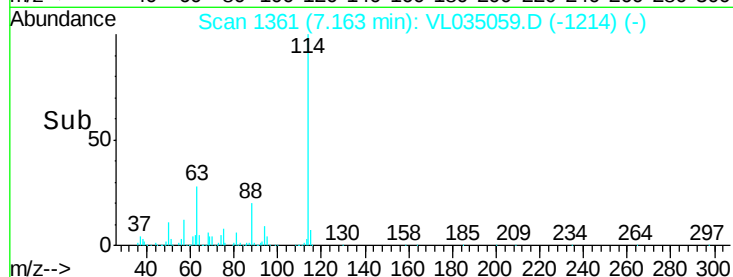
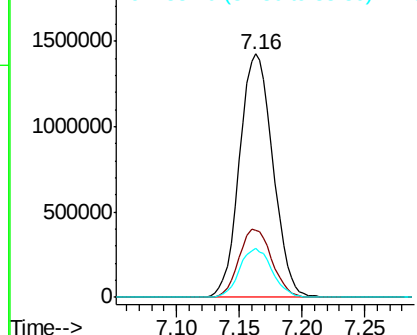
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.16 min Scan# 1361  
 Delta R.T. -0.03 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tot Ion:114 Resp: 2636050  
 Ion Ratio Lower Upper  
 114 100  
 63 27.7 22.2 33.4  
 88 19.7 15.5 23.3

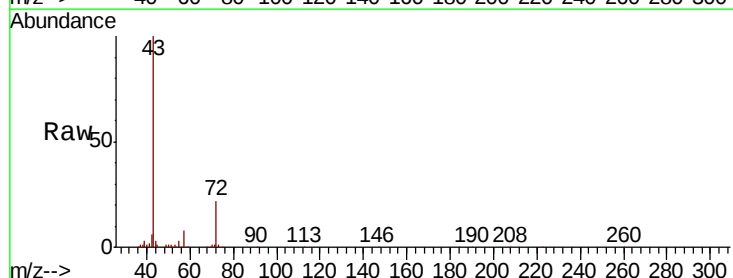


Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

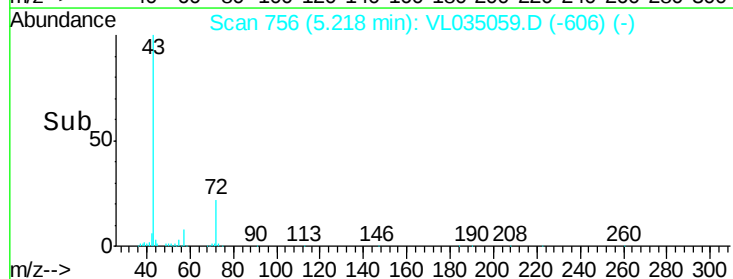
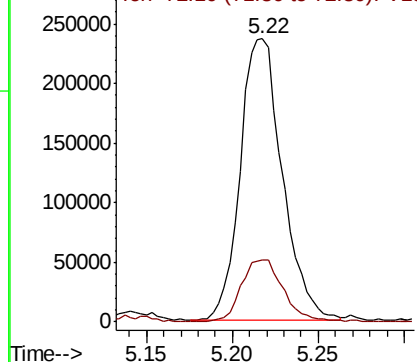


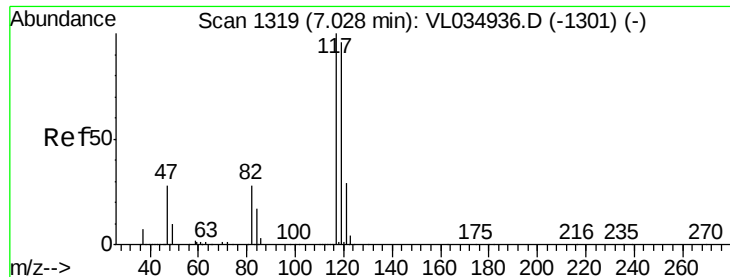
#34  
 2-Butanone  
 Concen: 2.460 ppbv  
 RT: 5.22 min Scan# 756  
 Delta R.T. -0.02 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

Tgt Ion: 43 Resp: 403001  
 Ion Ratio Lower Upper  
 43 100  
 72 22.3 18.0 27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0  
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.045 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.03 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

ClientSampleId :

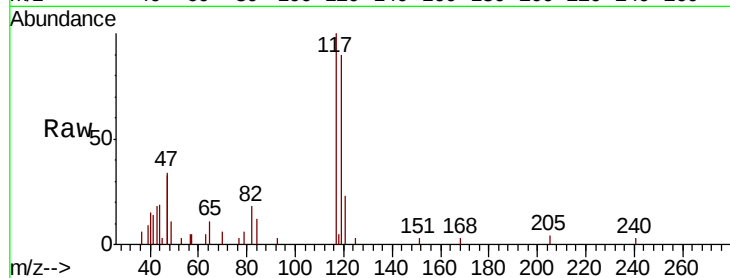
Tot Ion:117 Resp: 7527

Ion Ratio Lower Upper

117 100

119 80.5 77.0 115.6

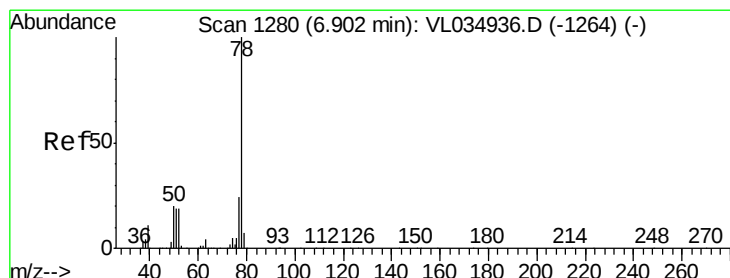
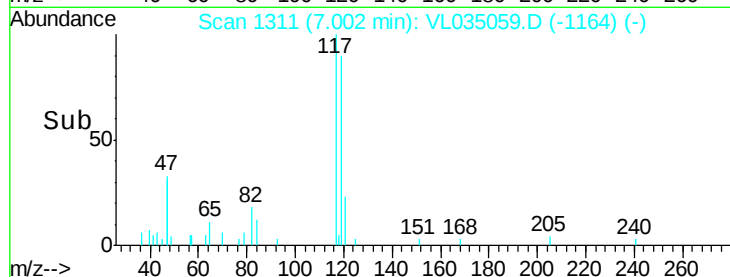
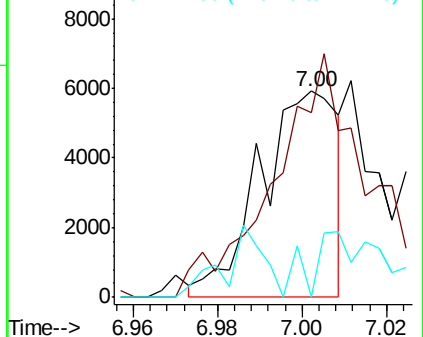
121 0.0 23.0 34.6#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.092 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

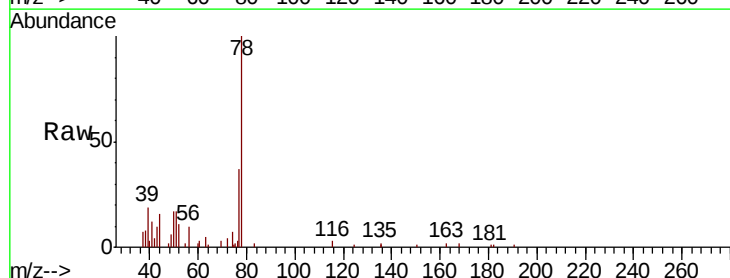
Tgt Ion: 78 Resp: 19896

Ion Ratio Lower Upper

78 100

77 37.0 19.0 28.6#

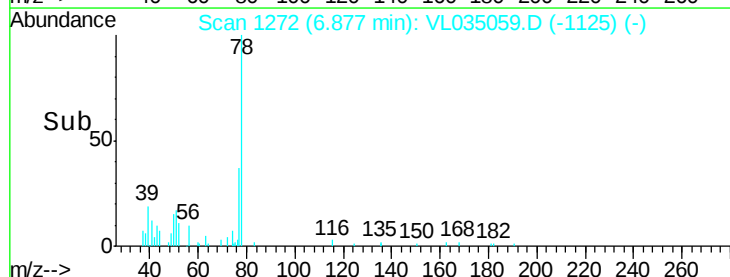
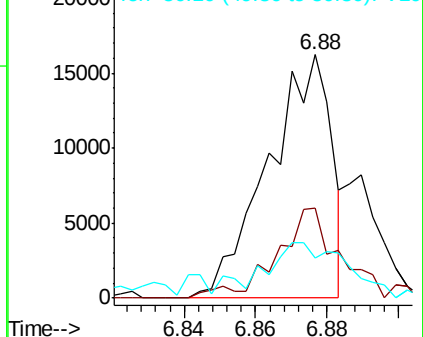
50 6.8 15.8 23.8#

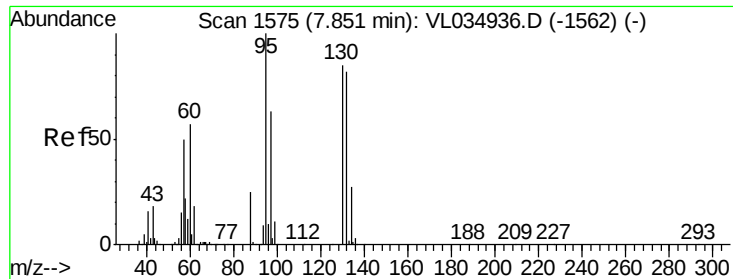


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

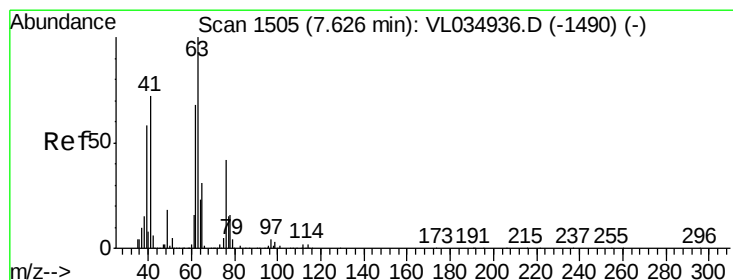
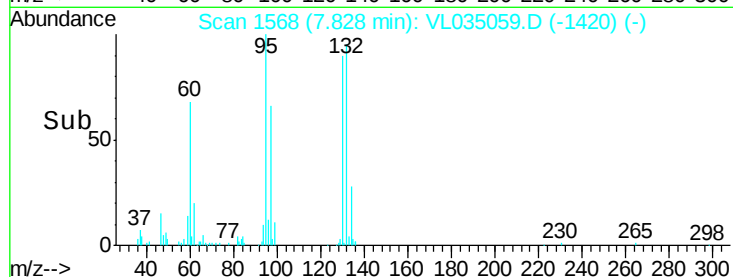
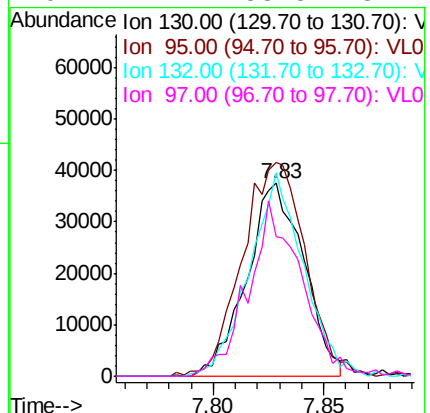
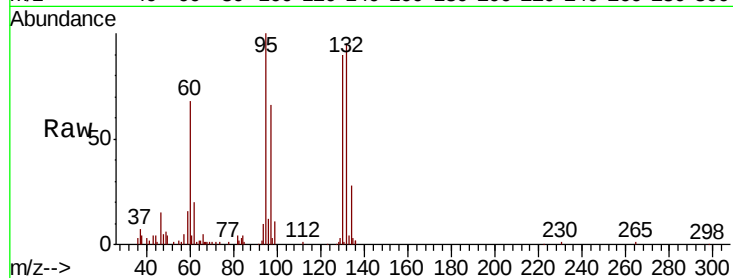




#38  
 Trichloroethene  
 Concen: 0.797 ppbv  
 RT: 7.83 min Scan# 1568  
 Delta R.T. -0.02 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

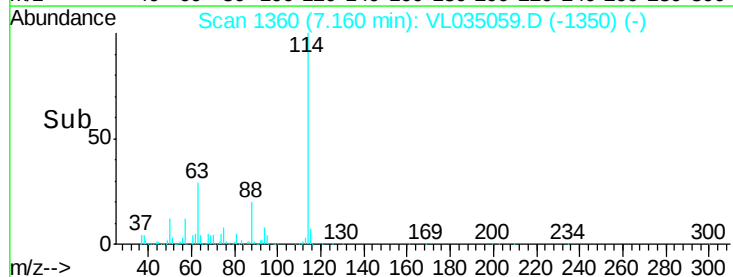
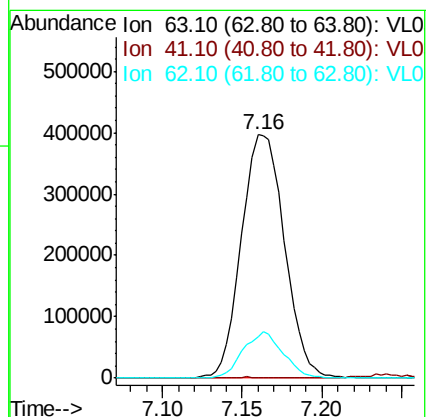
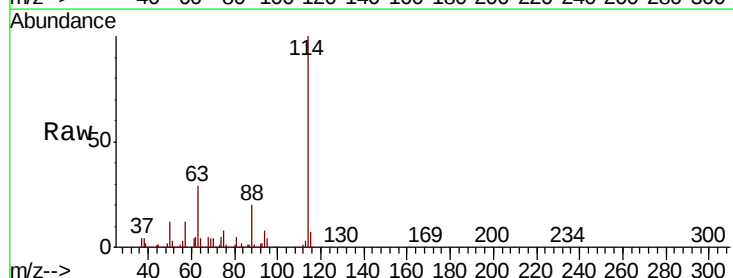
Instrument :  
 MSVOA\_L  
 ClientSampleId :

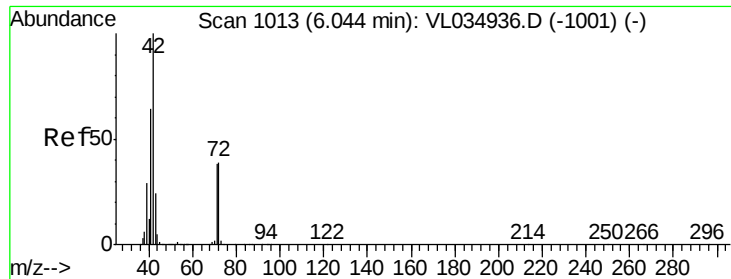
Tot Ion:130 Resp: 67139  
 Ion Ratio Lower Upper  
 130 100  
 95 108.1 93.4 140.0  
 132 107.9 76.4 114.6  
 97 72.7 58.5 87.7



#39  
 1,2-Dichloropropane  
 Concen: 8.364 ppbv  
 RT: 7.16 min Scan# 1360  
 Delta R.T. -0.47 min  
 Lab File: VL035059.D  
 Acq: 20 May 2020 00:53

Tgt Ion: 63 Resp: 728727  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 57.8 86.8#  
 62 17.1 54.2 81.2#





#41

Tetrahydrofuran

Concen: 0.036 ppbv

RT: 6.02 min Scan# 1006

Delta R.T. -0.02 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

ClientSampleId :

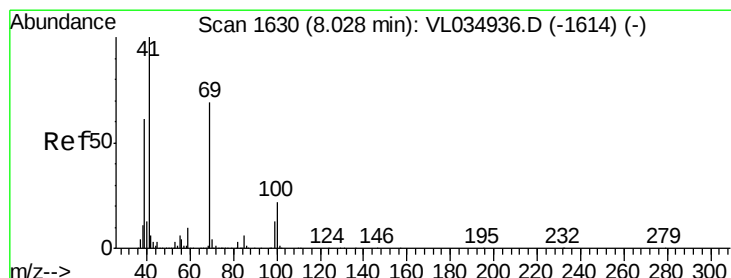
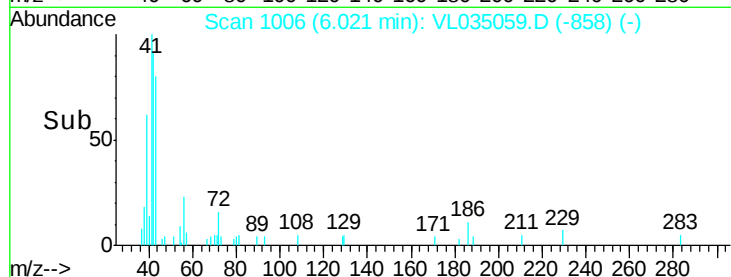
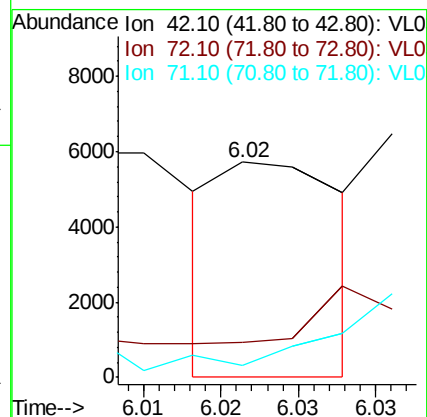
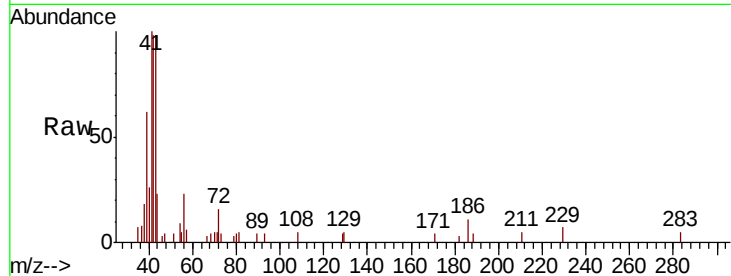
Tot Ion: 42 Resp: 3128

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 29.8 44.8#



#43

Methyl Methacrylate

Concen: 0.030 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.03 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

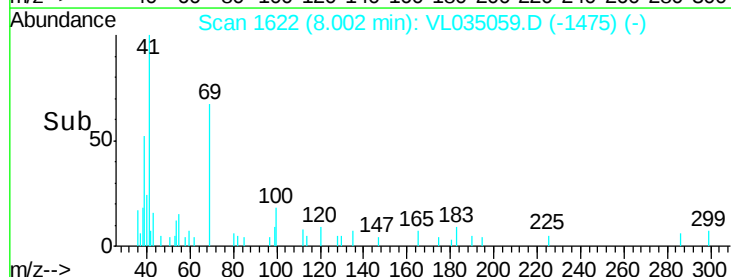
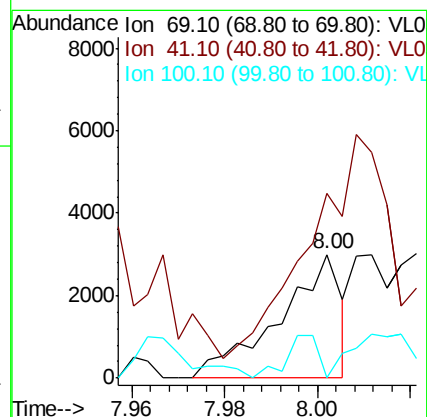
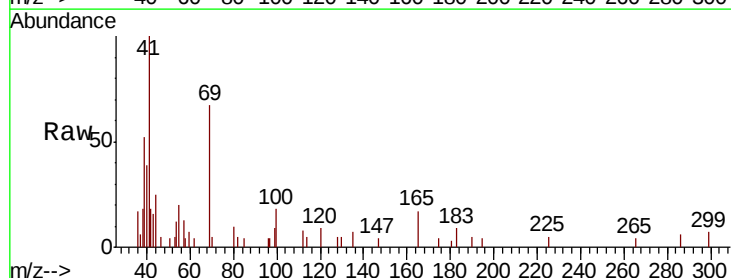
Tgt Ion: 69 Resp: 2773

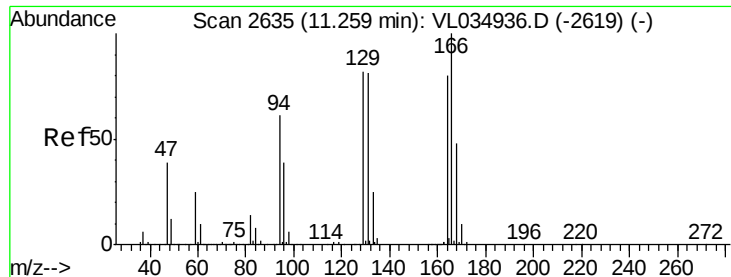
Ion Ratio Lower Upper

69 100

41 0.0 119.8 179.6#

100 0.0 25.0 37.6#

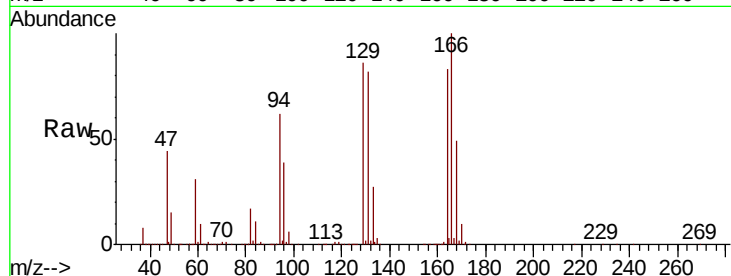




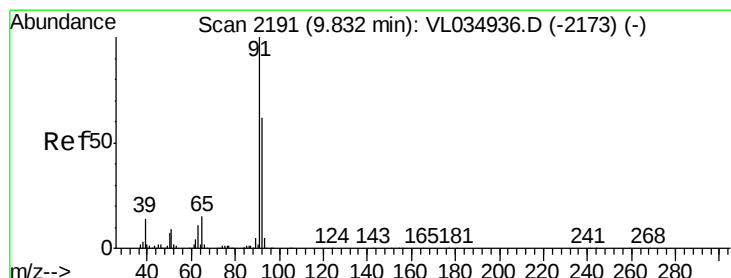
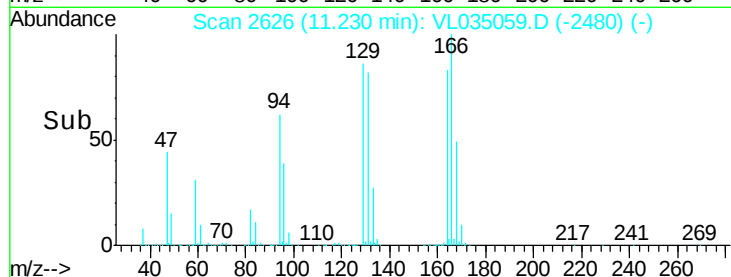
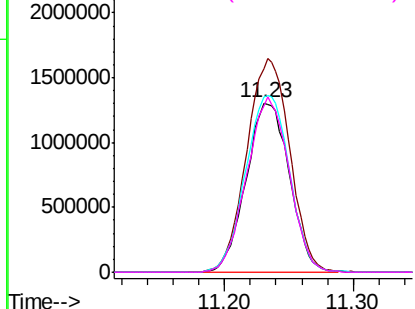
#52  
Tetrachloroethene  
Concen: 39.427 ppbv  
RT: 11.23 min Scan# 2626  
Delta R.T. -0.03 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion:164 Resp: 3046863  
Ion Ratio Lower Upper  
164 100  
166 120.1 100.7 151.1  
129 103.7 83.0 124.4  
131 97.8 81.0 121.4

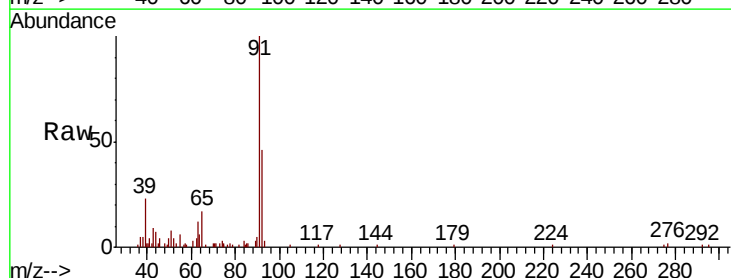


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 165.90 (165.60 to 166.60): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V

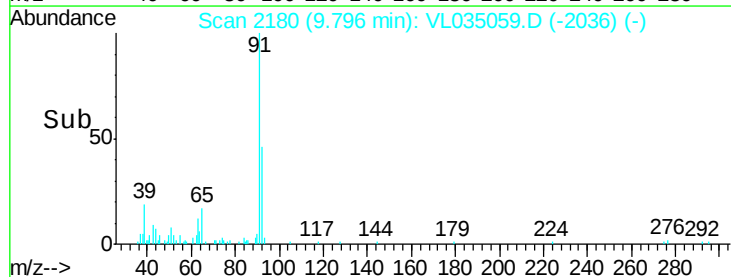
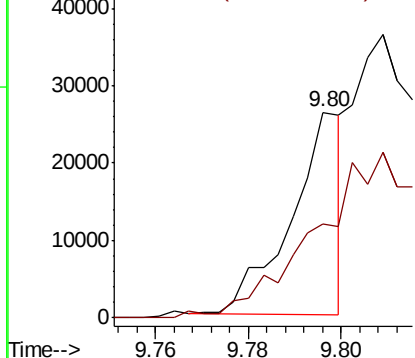


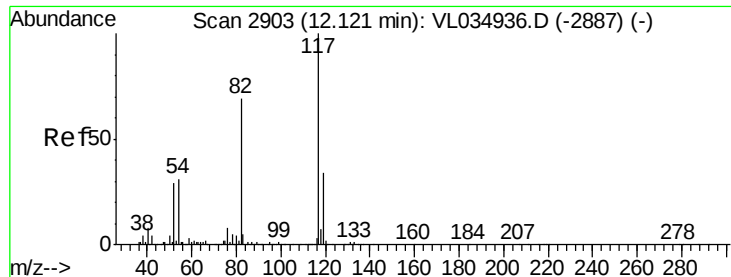
#53  
Toluene  
Concen: 0.087 ppbv  
RT: 9.80 min Scan# 2180  
Delta R.T. -0.04 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

Tgt Ion: 91 Resp: 20103  
Ion Ratio Lower Upper  
91 100  
92 0.0 48.6 73.0#



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: 12.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

ClientSampleId :

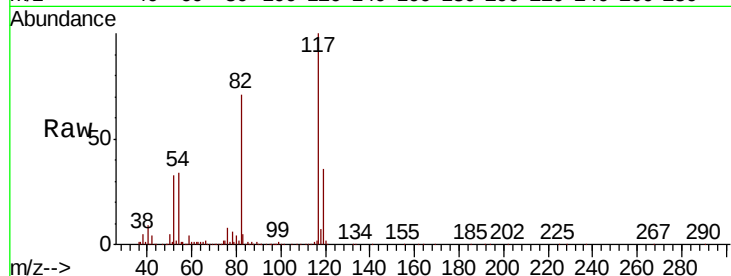
Tot Ion:117 Resp: 2533434

Ion Ratio Lower Upper

117 100

82 69.7 53.1 79.7

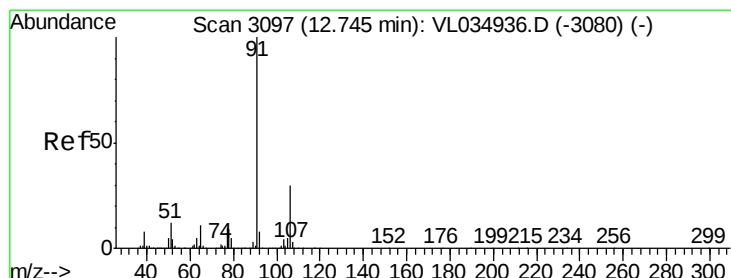
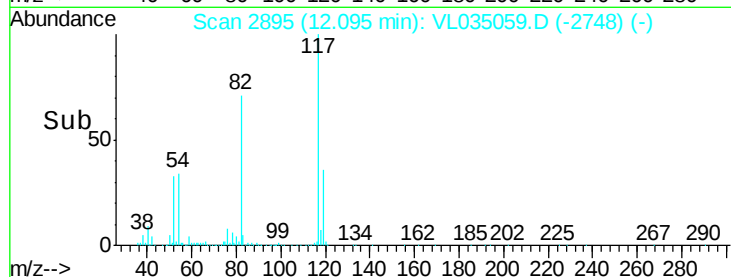
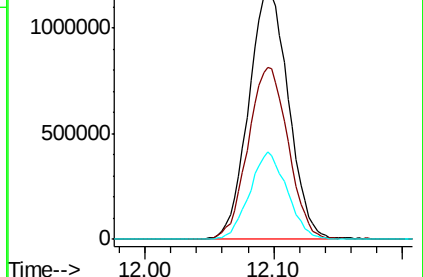
119 33.2 26.7 40.1



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: 0.247 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. 0.23 min

Lab File: VL035059.D

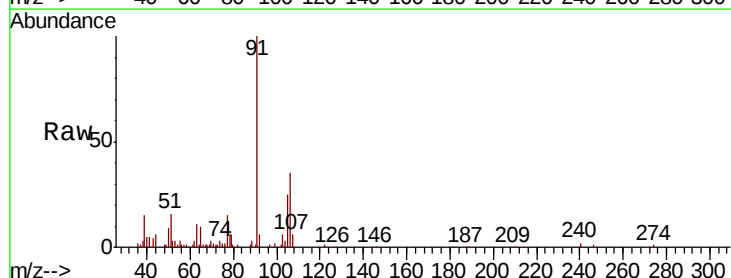
Acq: 20 May 2020 00:53

Tgt Ion: 91 Resp: 77292

Ion Ratio Lower Upper

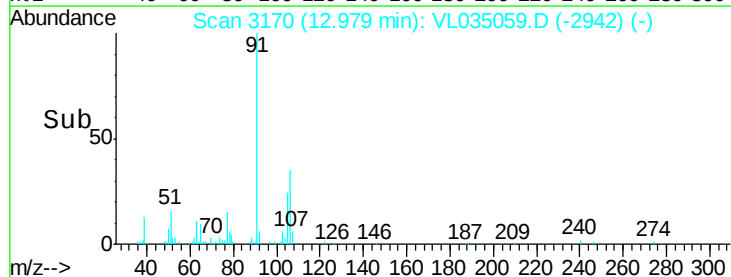
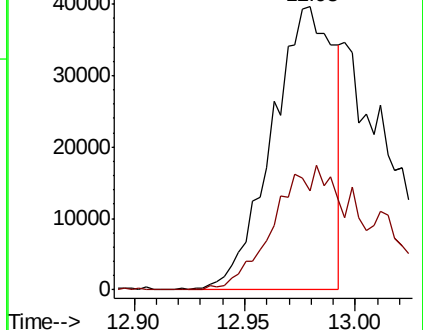
91 100

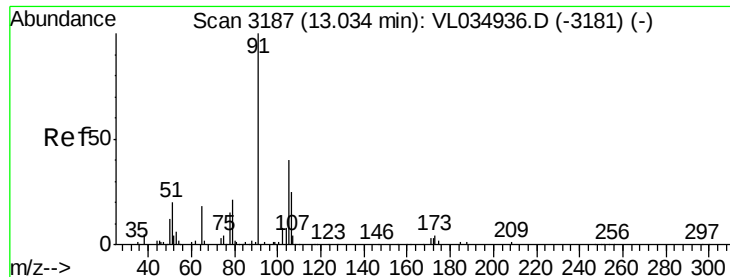
106 34.9 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

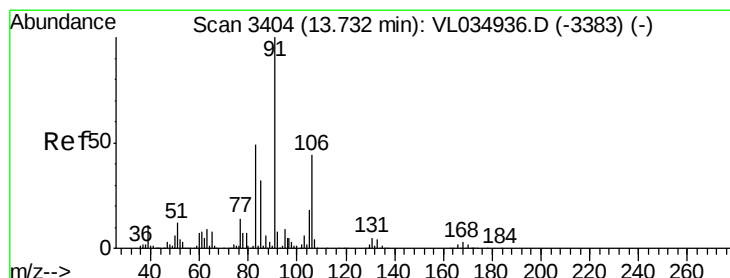
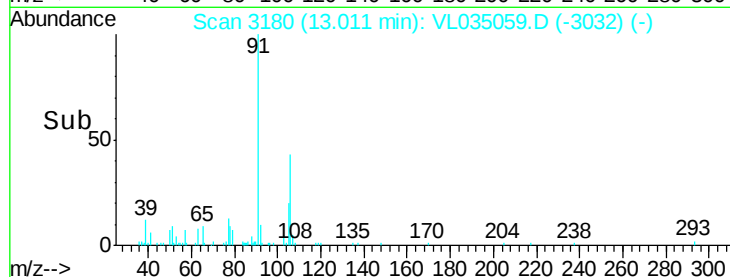
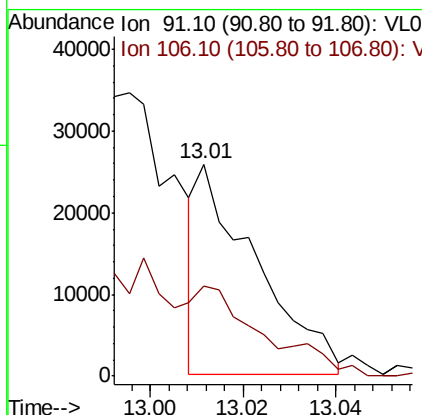
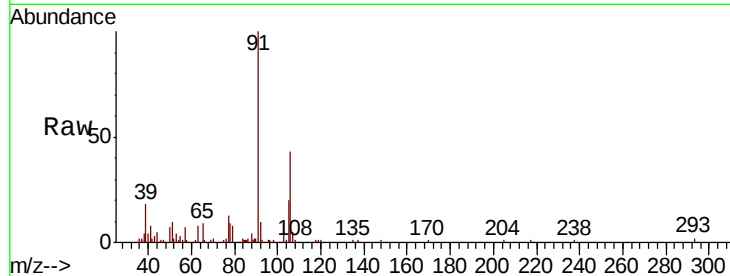




#59  
m/p-Xylene  
Concen: 0.082 ppbv  
RT: 13.01 min Scan# 3180  
Delta R.T. -0.02 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

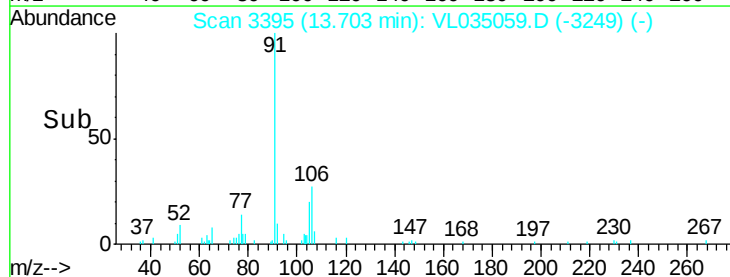
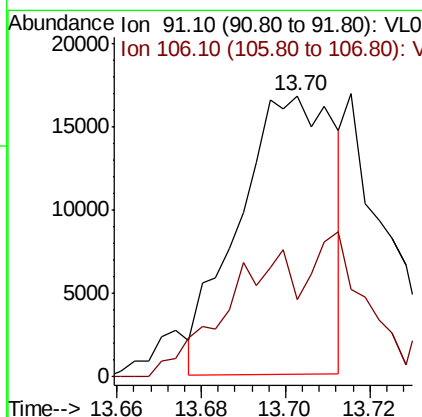
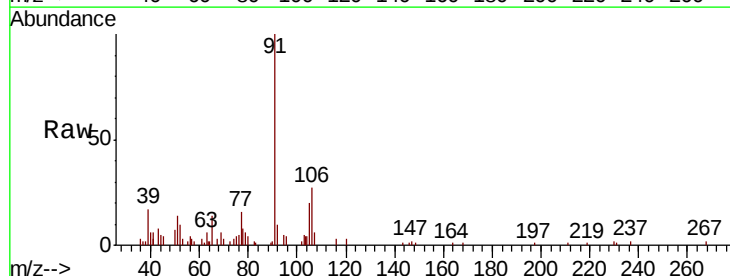
Instrument :  
MSVOA\_L  
ClientSampleId :

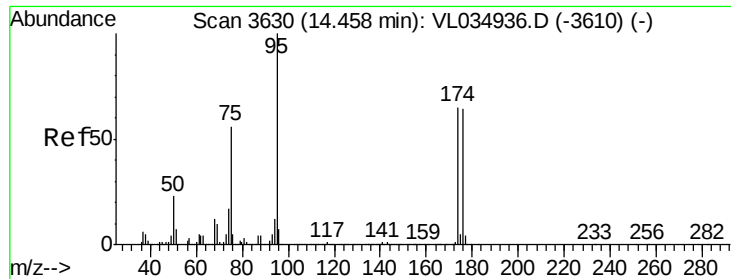
Tot Ion: 91 Resp: 22666  
Ion Ratio Lower Upper  
91 100  
106 0.0 66.0 99.0#



#60  
o-Xylene  
Concen: 0.096 ppbv  
RT: 13.70 min Scan# 3395  
Delta R.T. -0.03 min  
Lab File: VL035059.D  
Acq: 20 May 2020 00:53

Tgt Ion: 91 Resp: 26202  
Ion Ratio Lower Upper  
91 100  
106 0.0 21.9 65.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.792 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.03 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Instrument :

MSVOA\_L

ClientSampleId :

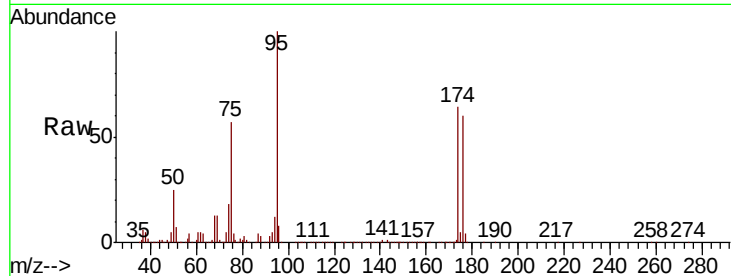
Tot Ion: 95 Resp: 2213066

Ion Ratio Lower Upper

95 100

174 63.9 51.5 77.3

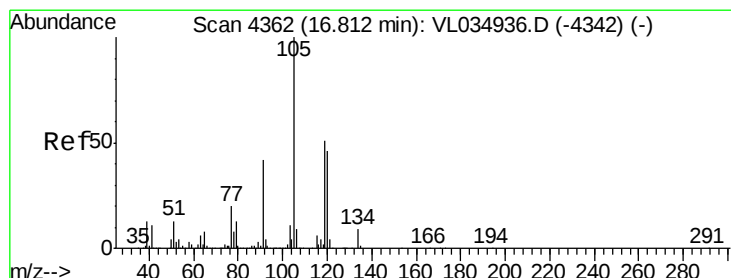
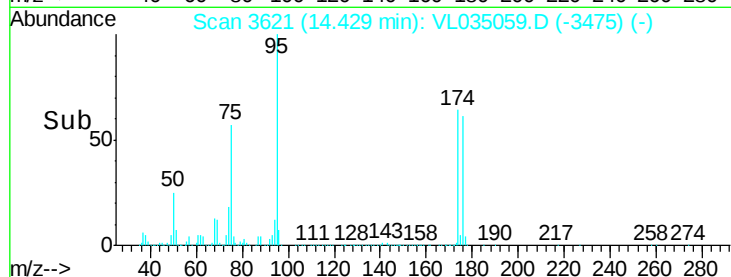
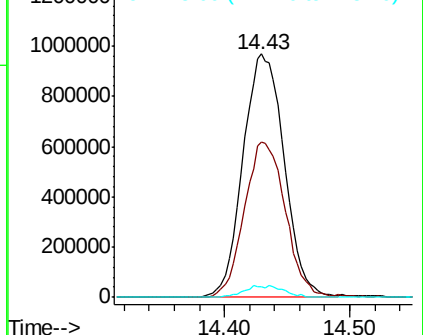
175 4.7 3.8 5.8



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



#74

1,2,4-Trimethylbenzene

Concen: 0.034 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.04 min

Lab File: VL035059.D

Acq: 20 May 2020 00:53

Tgt Ion:105 Resp: 10908

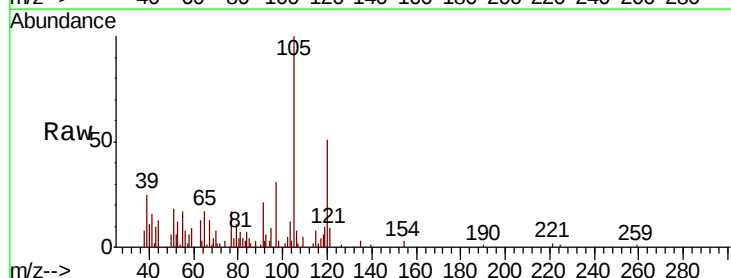
Ion Ratio Lower Upper

105 100

120 49.1 36.8 55.2

91 17.7 35.4 53.0#

77 15.5 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

