

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\  
 Data File : VL035466.D  
 Acq On : 19 Aug 2020 12:27  
 Operator : SY/AP  
 Sample : L3730-03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 20 02:47:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Aug 17 19:28:30 2020  
 QLast Update : Mon Aug 17 19:28:30 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1059985  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 4817198  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 4797826  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 3462567  | 10.31    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.05  | 85   | 63085    | 0.321  | ppbv   | 96     |
| 3) Chlorodifluoromethane       | 2.99  | 51   | 534585   | 4.022  | ppbv # | 84     |
| 4) Chloromethane               | 3.14  | 50   | 37933    | 0.548  | ppbv   | 99     |
| 9) Propene                     | 3.02  | 41   | 40860    | 0.765  | ppbv # | 73     |
| 10) Heptane                    | 8.14  | 43   | 8477     | 0.061  | ppbv # | 28     |
| 11) Trichlorofluoromethane     | 3.95  | 101  | 149891   | 0.486  | ppbv   | 94     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49  | 101  | 16189    | 0.070  | ppbv # | 81     |
| 13) Ethanol                    | 3.61  | 45   | 805400   | 41.151 | ppbv   | 99     |
| 15) Acetone                    | 3.85  | 43   | 1351397  | 11.077 | ppbv # | 83     |
| 16) 1,3-Butadiene              | 3.31  | 39   | 8545     | 0.173  | ppbv # | 42     |
| 17) tert-Butyl alcohol         | 4.31  | 59   | 19935    | 0.126  | ppbv   | 99     |
| 19) Isopropyl Alcohol          | 3.97  | 45   | 1138693  | 13.541 | ppbv # | 97     |
| 20) Methylene Chloride         | 4.35  | 84   | 175130   | 1.779  | ppbv # | 64     |
| 21) Allyl Chloride             | 4.35  | 41   | 1903     | 0.031  | ppbv # | 18     |
| 23) Vinyl Acetate              | 5.07  | 43   | 48944    | 0.281  | ppbv # | 59     |
| 25) Ethyl Acetate              | 5.69  | 43   | 114833   | 0.484  | ppbv # | 92     |
| 26) Hexane                     | 5.69  | 57   | 162332   | 1.212  | ppbv # | 36     |
| 27) Carbon Disulfide           | 4.56  | 76   | 10803    | 0.056  | ppbv # | 67     |
| 29) Chloroform                 | 5.76  | 83   | 35983    | 0.134  | ppbv   | 96     |
| 30) Cyclohexane                | 7.14  | 84   | 46074    | 0.310  | ppbv # | 55     |
| 34) 2-Butanone                 | 5.26  | 43   | 74940    | 0.466  | ppbv # | 70     |
| 35) Carbon Tetrachloride       | 7.03  | 117  | 16285    | 0.064  | ppbv # | 82     |
| 36) Benzene                    | 6.90  | 78   | 54723    | 0.155  | ppbv # | 91     |
| 37) 1,2-Dichloroethane         | 6.31  | 62   | 32323    | 0.200  | ppbv # | 88     |
| 39) 1,2-Dichloropropane        | 7.19  | 63   | 841401   | 7.221  | ppbv # | 23     |
| 44) 2,2,4-Trimethylpentane     | 7.88  | 57   | 122821   | 0.266  | ppbv   | 92     |
| 50) 4-Methyl-2-Pentanone       | 8.77  | 43   | 177834   | 0.770  | ppbv # | 86     |
| 52) Tetrachloroethene          | 11.25 | 164  | 7768     | 0.036  | ppbv # | 68     |
| 53) Toluene                    | 9.82  | 91   | 396858   | 0.871  | ppbv   | 98     |
| 58) Ethyl Benzene              | 12.73 | 91   | 51744    | 0.089  | ppbv   | 96     |
| 59) m/p-Xylene                 | 12.99 | 91   | 117609   | 0.240  | ppbv   | 87     |
| 60) o-Xylene                   | 13.71 | 91   | 46808    | 0.098  | ppbv   | 92     |
| 61) Styrene                    | 13.55 | 104  | 20593    | 0.054  | ppbv # | 21     |
| 62) Isopropylbenzene           | 14.70 | 105  | 94550    | 0.121  | ppbv   | 92     |
| 74) 1,2,4-Trimethylbenzene     | 16.79 | 105  | 71885    | 0.114  | ppbv # | 72     |
| 76) 1,4-Dichlorobenzene        | 17.17 | 146  | 20641    | 0.043  | ppbv # | 29     |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

ClientSampled :

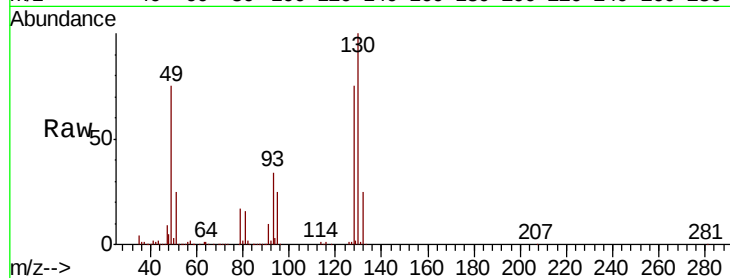
Tot Ion: 49 Resp: 1059985

Ion Ratio Lower Upper

49 100

128 101.9 20.9 62.7#

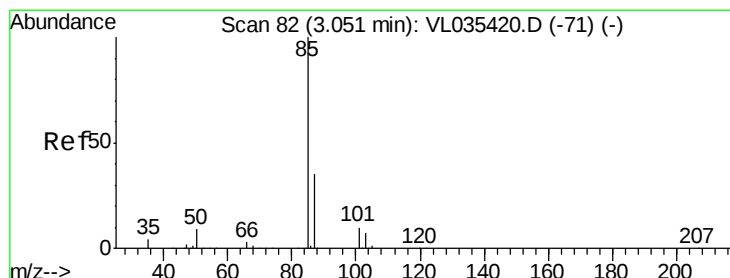
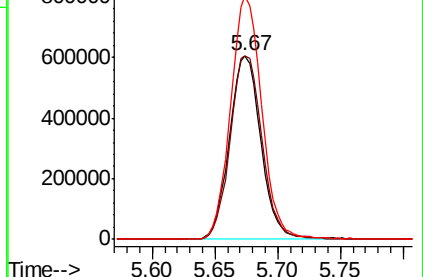
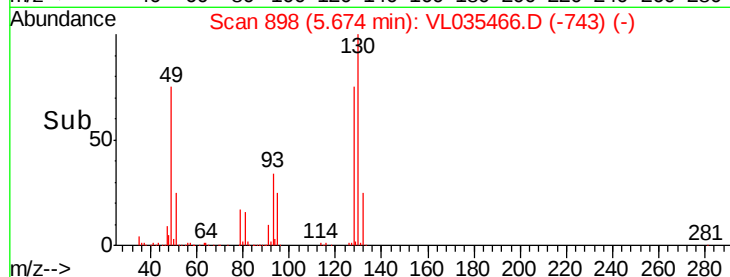
130 131.9 26.7 80.1#



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



#2

Dichlorodifluoromethane

Concen: 0.321 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035466.D

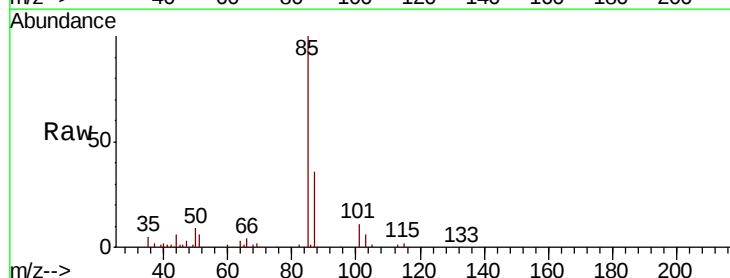
Acq: 19 Aug 2020 12:27

Tgt Ion: 85 Resp: 63085

Ion Ratio Lower Upper

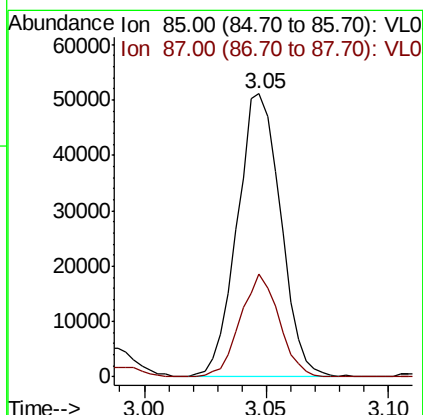
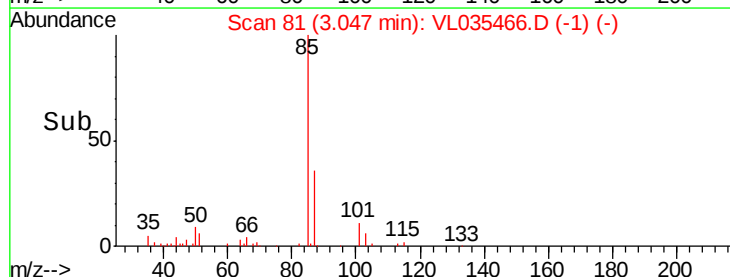
85 100

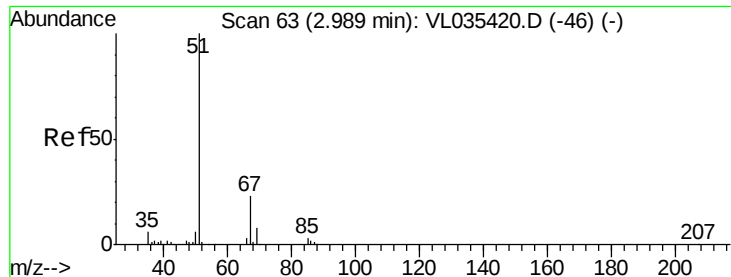
87 36.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 4.022 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

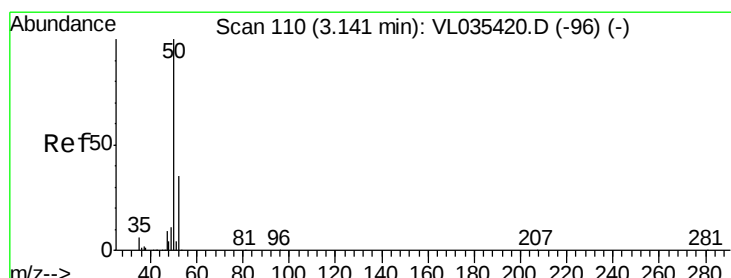
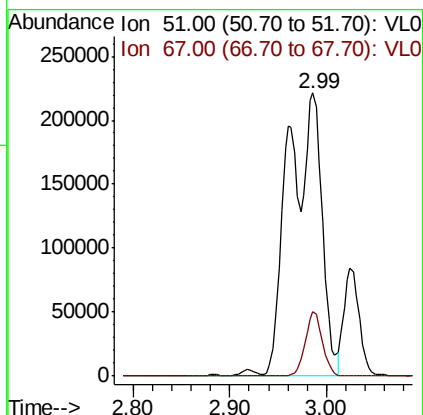
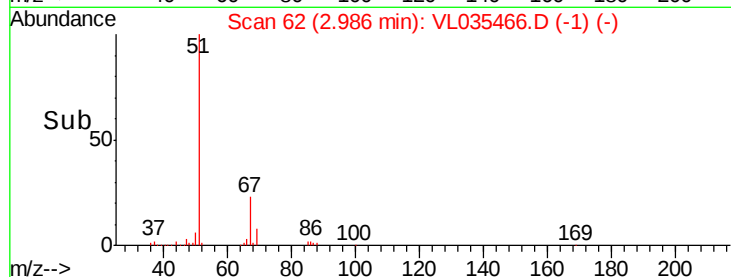
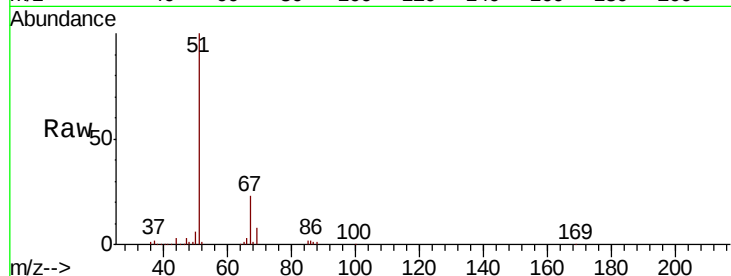
ClientSampleId :

Tot Ion: 51 Resp: 534585

Ion Ratio Lower Upper

51 100

67 11.6 15.0 22.6#



#4

Chloromethane

Concen: 0.548 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035466.D

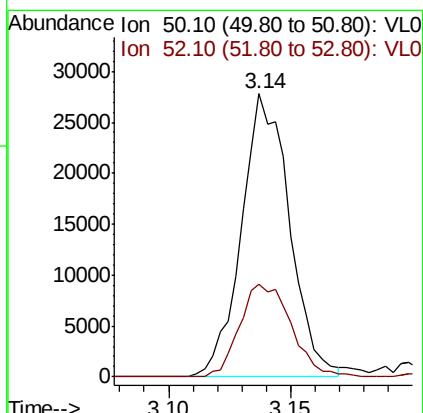
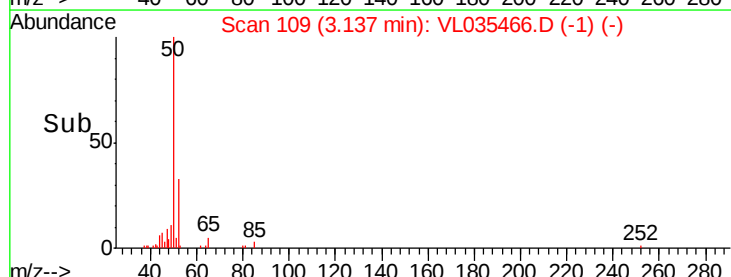
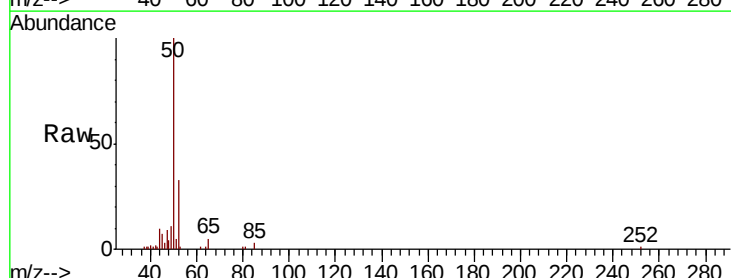
Acq: 19 Aug 2020 12:27

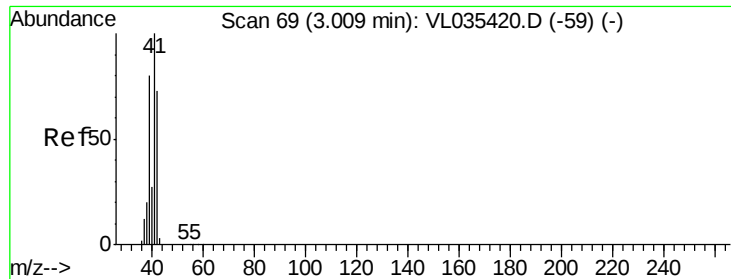
Tgt Ion: 50 Resp: 37933

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9





#9

Propene

Concen: 0.765 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

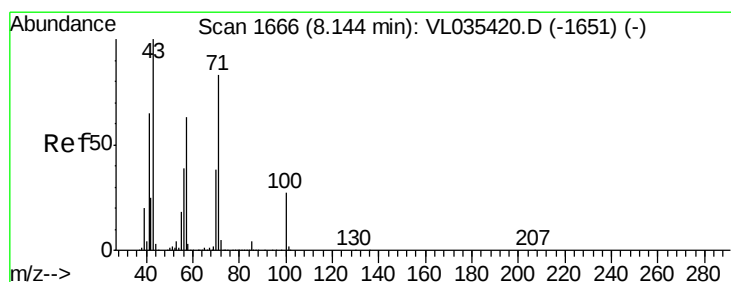
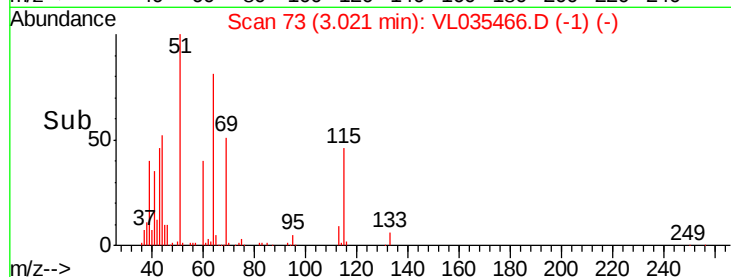
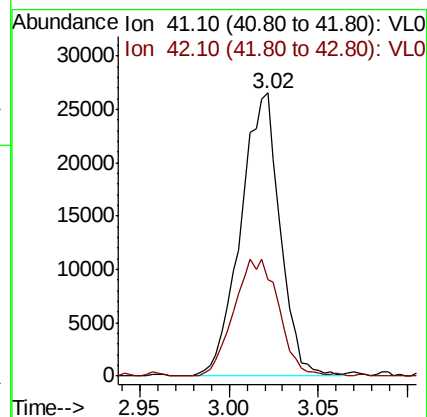
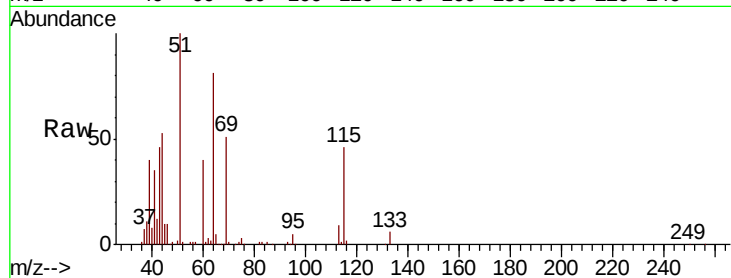
ClientSampleId :

Tot Ion: 41 Resp: 40860

Ion Ratio Lower Upper

41 100

42 47.1 55.5 83.3#



#10

Heptane

Concen: 0.061 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035466.D

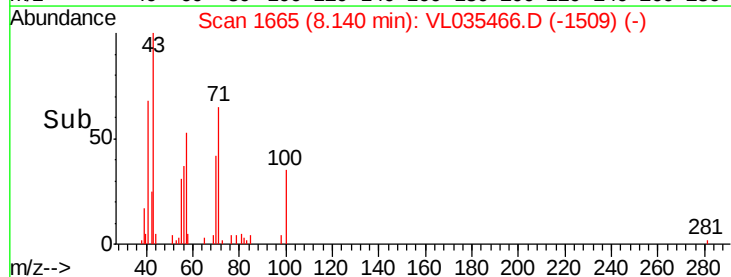
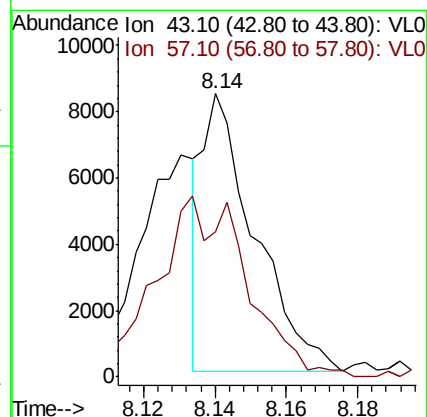
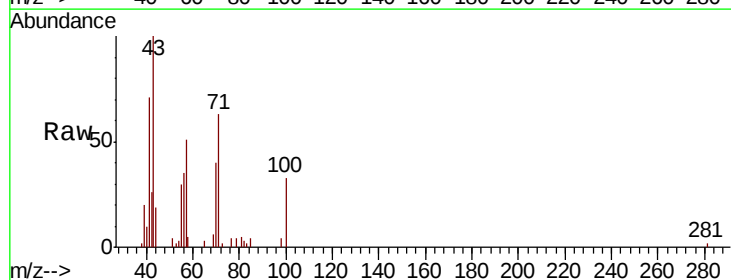
Acq: 19 Aug 2020 12:27

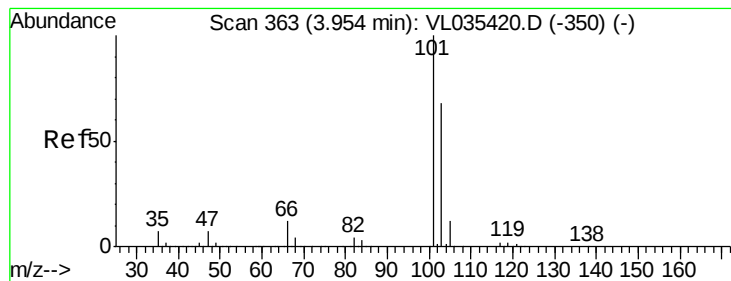
Tgt Ion: 43 Resp: 8477

Ion Ratio Lower Upper

43 100

57 0.0 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.486 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

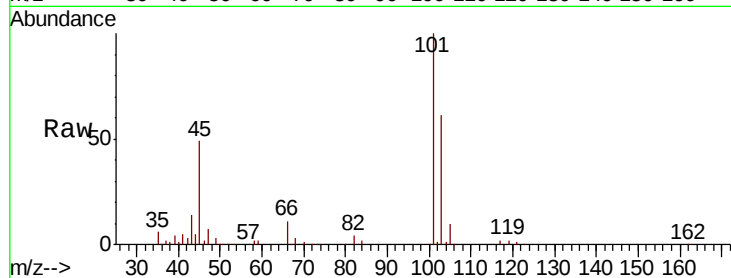
ClientSampleId :

Tot Ion:101 Resp: 149891

Ion Ratio Lower Upper

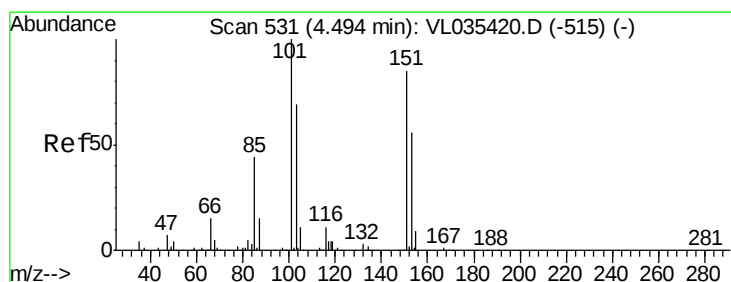
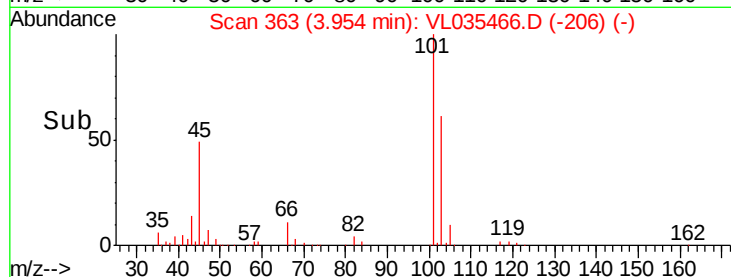
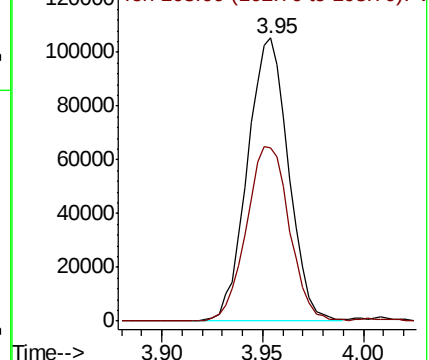
101 100

103 61.1 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.070 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035466.D

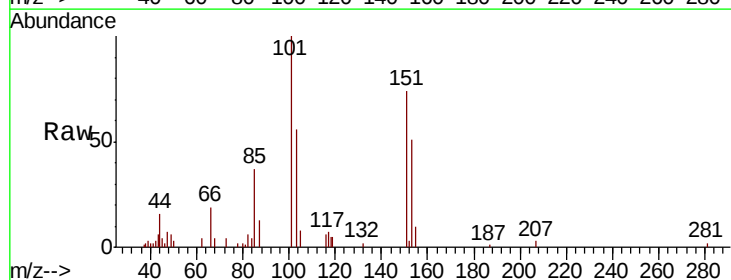
Acq: 19 Aug 2020 12:27

Tgt Ion:101 Resp: 16189

Ion Ratio Lower Upper

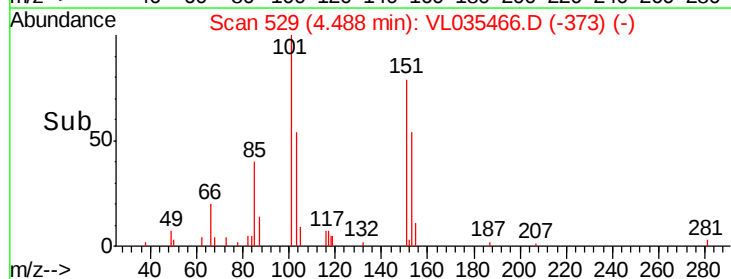
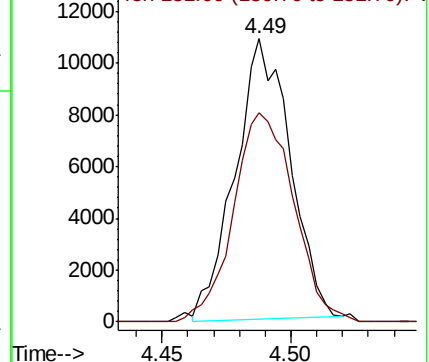
101 100

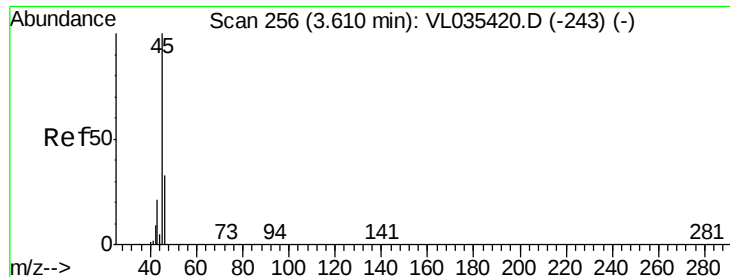
151 81.9 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 41.151 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

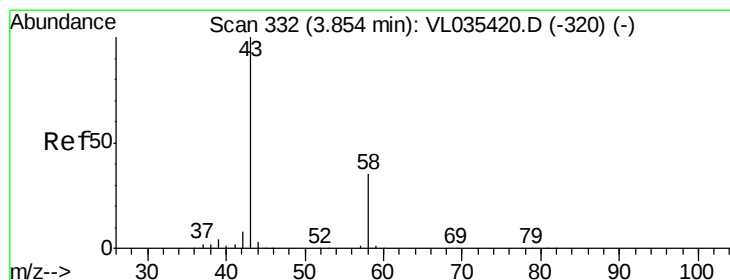
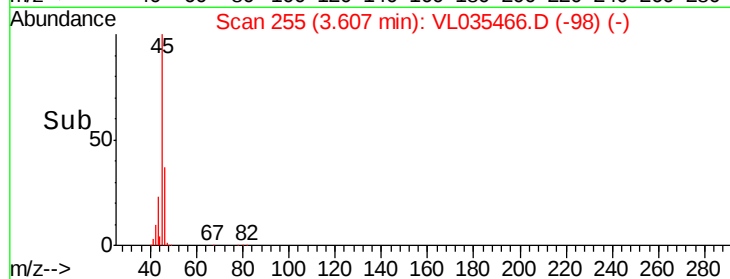
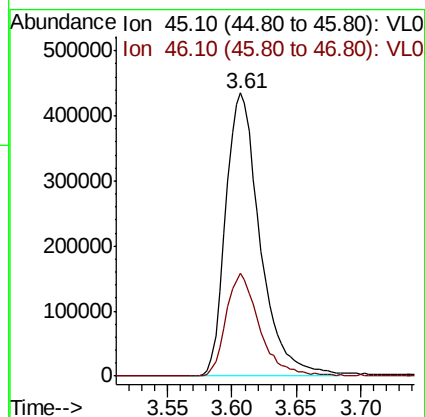
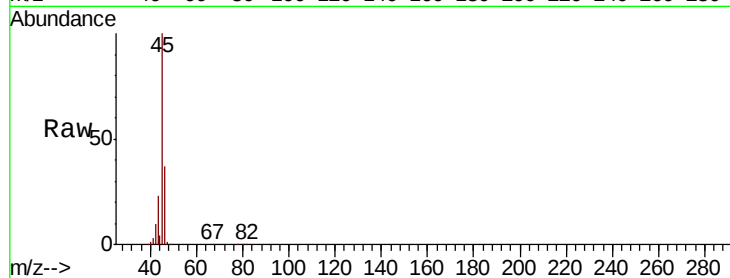
ClientSampleId :

Tot Ion: 45 Resp: 805400

Ion Ratio Lower Upper

45 100

46 35.7 14.2 56.6



#15

Acetone

Concen: 11.077 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035466.D

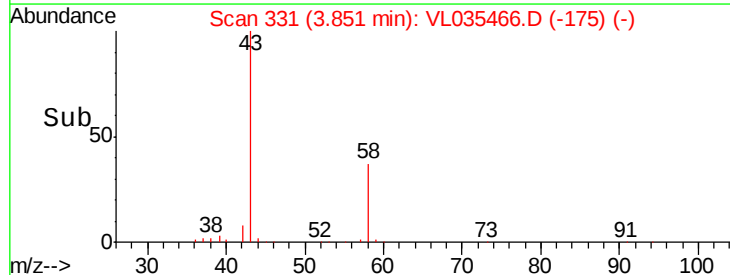
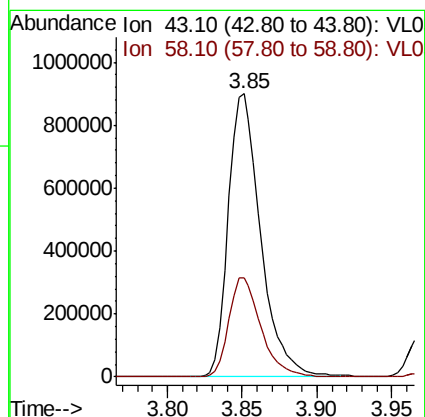
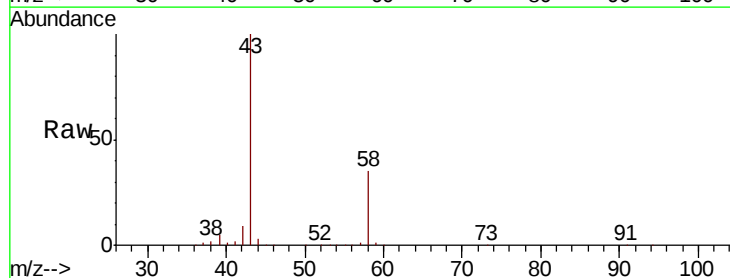
Acq: 19 Aug 2020 12:27

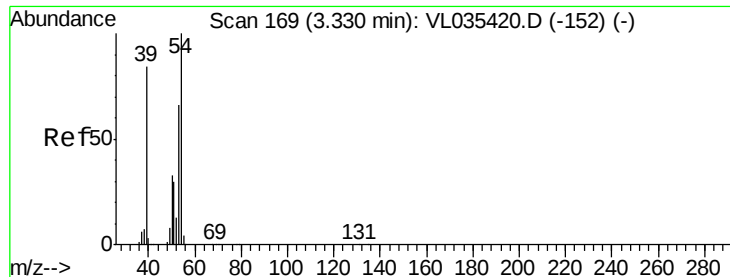
Tgt Ion: 43 Resp: 1351397

Ion Ratio Lower Upper

43 100

58 35.2 21.0 31.6#

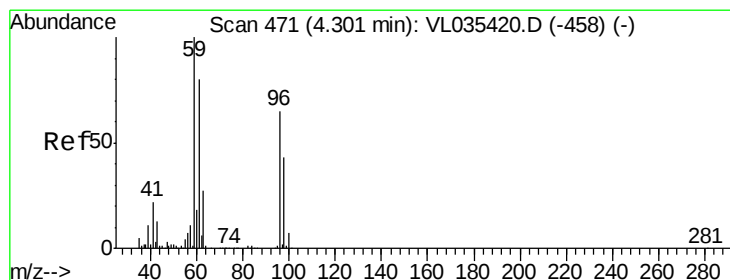
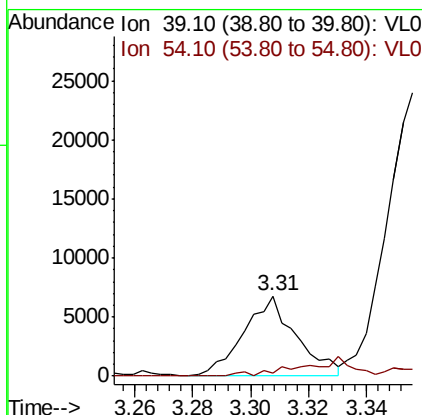
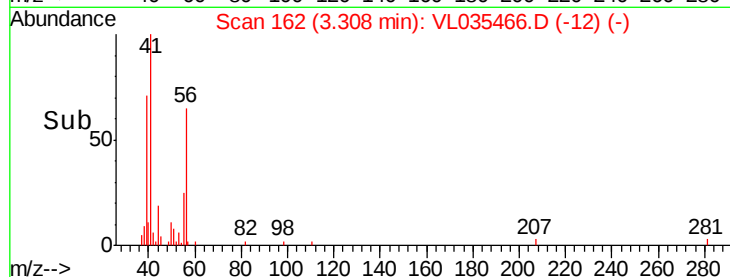
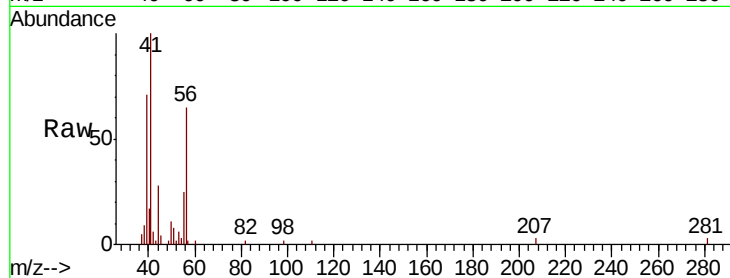




#16  
1,3-Butadiene  
Concen: 0.173 ppbv  
RT: 3.31 min Scan# 162  
Delta R.T. -0.02 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

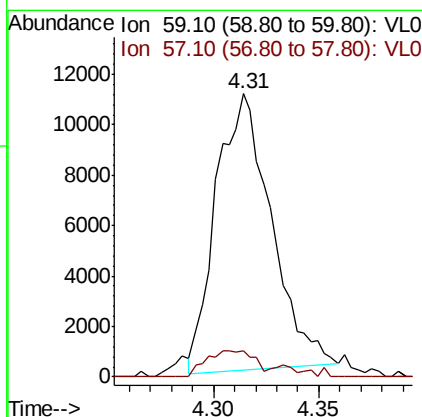
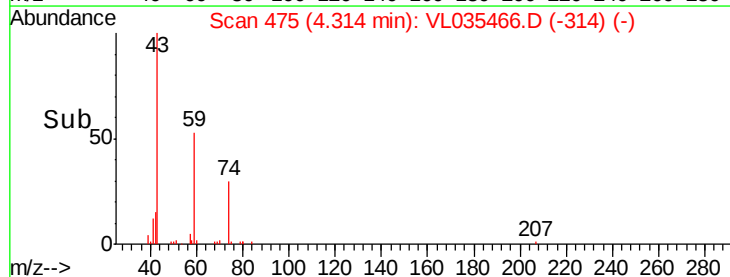
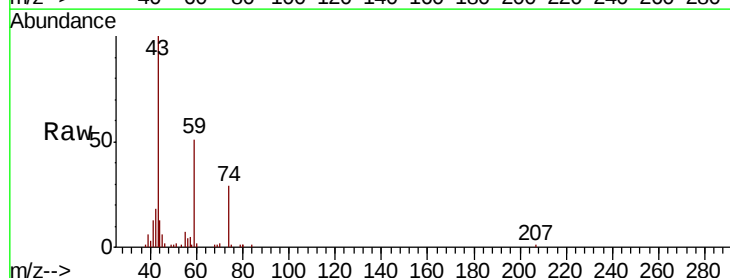
Instrument :  
MSVOA\_L  
ClientSampled :

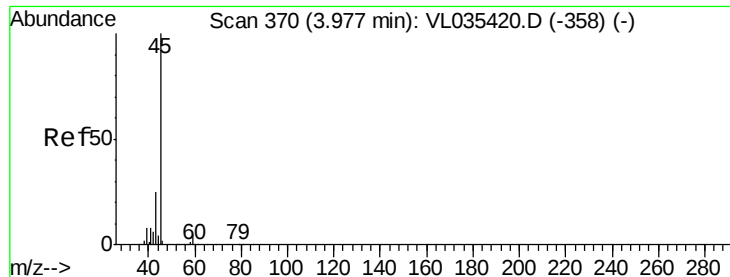
Tot Ion: 39 Resp: 8545  
Ion Ratio Lower Upper  
39 100  
54 29.2 64.4 96.6#



#17  
tert-Butyl alcohol  
Concen: 0.126 ppbv  
RT: 4.31 min Scan# 475  
Delta R.T. 0.02 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

Tgt Ion: 59 Resp: 19935  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.9 13.3



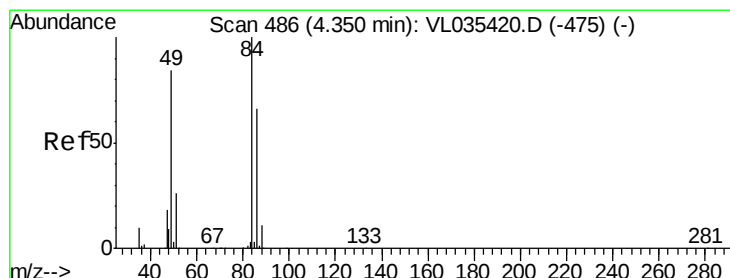
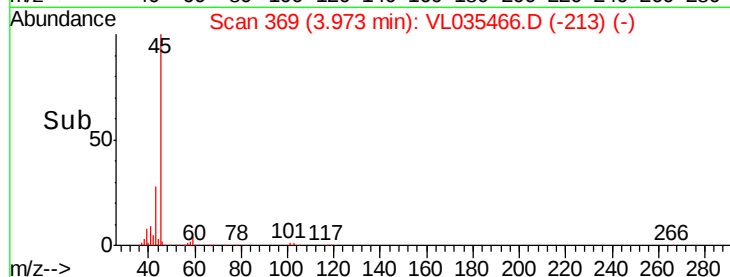
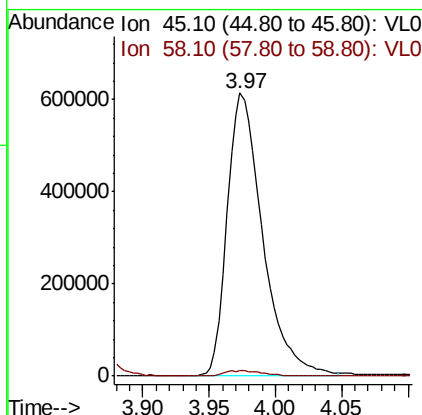
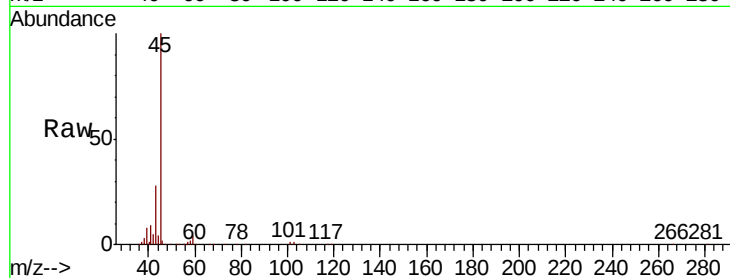


#19

Isopropyl Alcohol  
 Concen: 13.541 ppbv  
 RT: 3.97 min Scan# 369  
 Delta R.T. 0.00 min  
 Lab File: VL035466.D  
 Acq: 19 Aug 2020 12:27

Instrument :  
 MSVOA\_L  
 ClientSampleId :

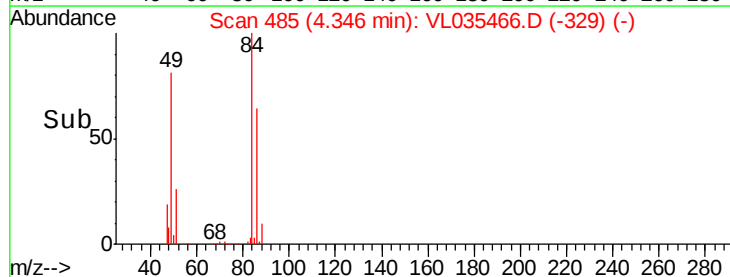
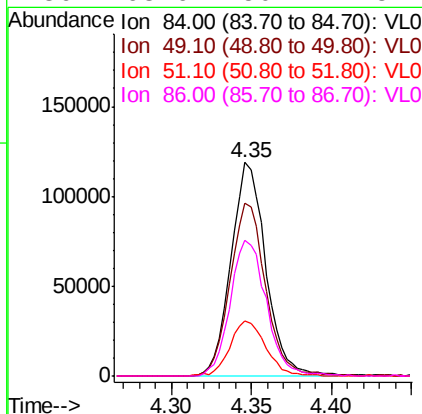
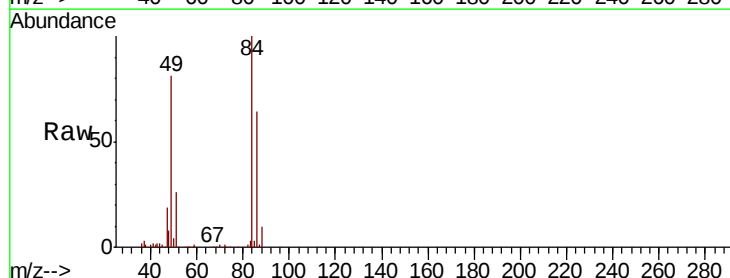
Tot Ion: 45 Resp: 1138693  
 Ion Ratio Lower Upper  
 45 100  
 58 2.6 1.0 1.6#

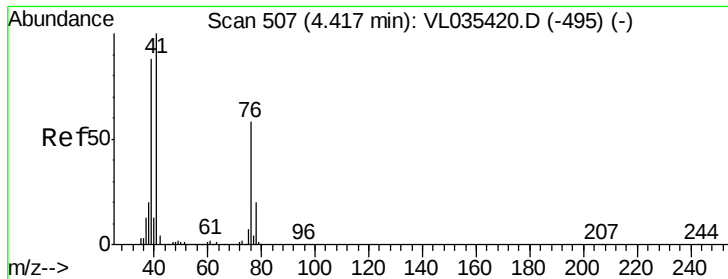


#20

Methylene Chloride  
 Concen: 1.779 ppbv  
 RT: 4.35 min Scan# 485  
 Delta R.T. 0.00 min  
 Lab File: VL035466.D  
 Acq: 19 Aug 2020 12:27

Tgt Ion: 84 Resp: 175130  
 Ion Ratio Lower Upper  
 84 100  
 49 81.0 118.6 177.8#  
 51 25.7 36.4 54.6#  
 86 63.6 50.2 75.4

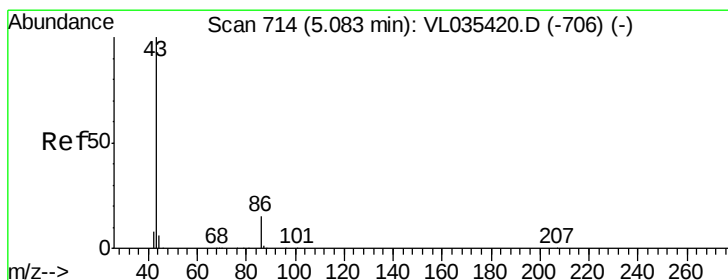
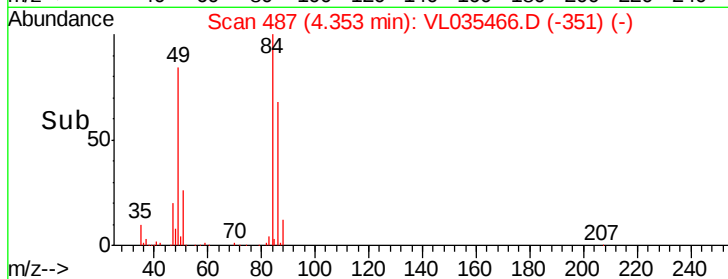
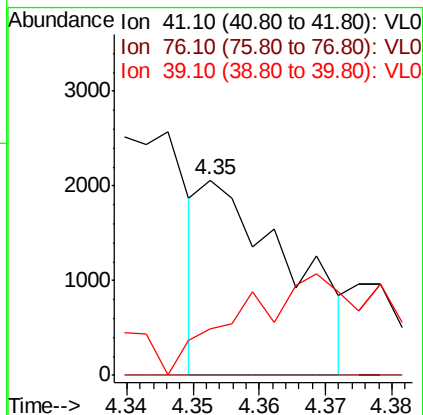
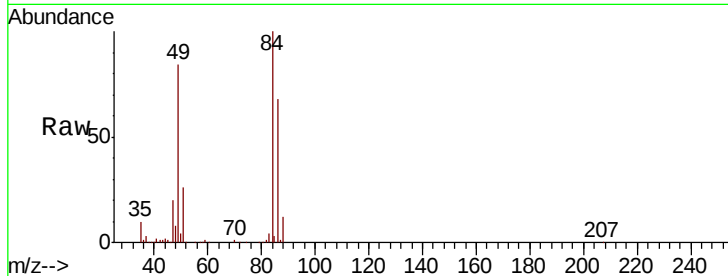




#21  
Allvl Chloride  
Concen: 0.031 ppbv  
RT: 4.35 min Scan# 487  
Delta R.T. -0.06 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

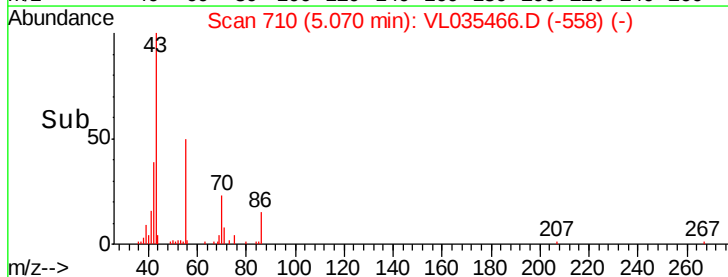
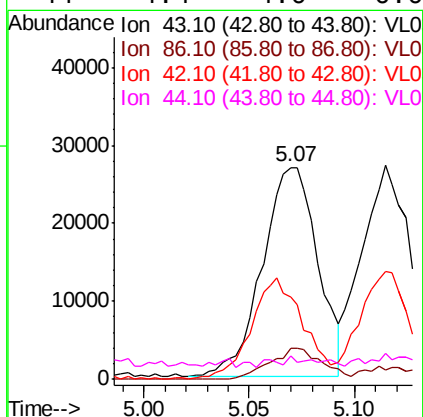
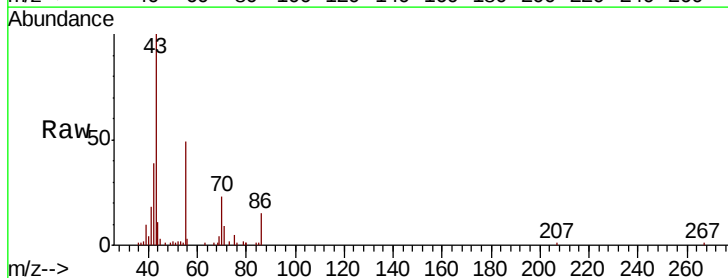
Instrument :  
MSVOA\_L  
ClientSampleId :

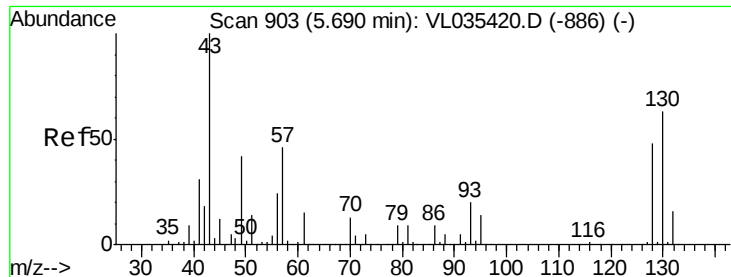
Tot Ion: 41 Resp: 1903  
Ion Ratio Lower Upper  
41 100  
76 0.0 22.8 34.2#  
39 0.0 66.2 99.2#



#23  
Vinyl Acetate  
Concen: 0.281 ppbv  
RT: 5.07 min Scan# 710  
Delta R.T. -0.01 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

Tgt Ion: 43 Resp: 48944  
Ion Ratio Lower Upper  
43 100  
86 14.7 6.5 9.7#  
42 39.4 8.3 12.5#  
44 4.4 4.0 6.0

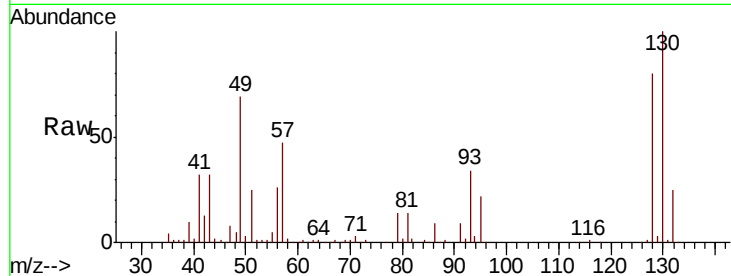




#25  
Ethyl Acetate  
Concen: 0.484 ppbv  
RT: 5.69 min Scan# 904  
Delta R.T. 0.01 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

Instrument :  
MSVOA\_L  
ClientSampleID :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 114833 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 8.6   | 8.3   | 12.5   |
| 61       | 4.3   | 7.6   | 11.4#  |
| 70       | 5.3   | 6.0   | 9.0#   |



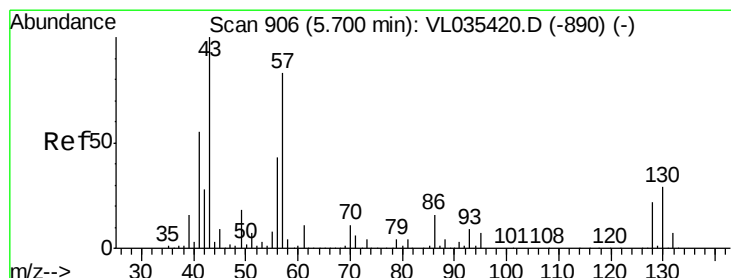
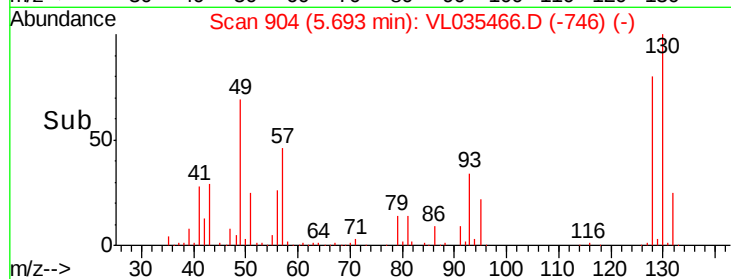
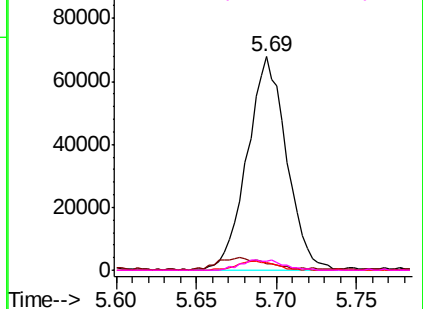
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

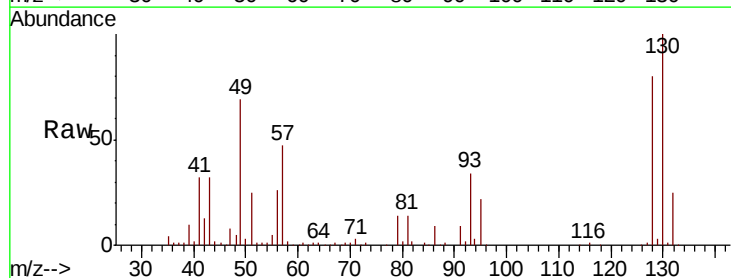
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26  
Hexane  
Concen: 1.212 ppbv  
RT: 5.69 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 162332 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 69.5  | 75.5  | 113.3# |
| 43       | 71.2  | 181.7 | 272.5# |
| 56       | 52.6  | 42.4  | 63.6   |



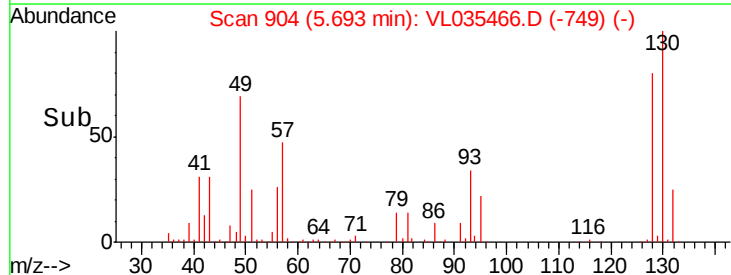
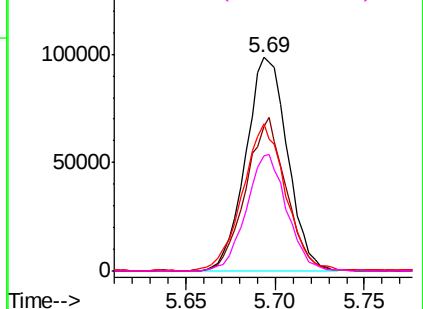
Abundance

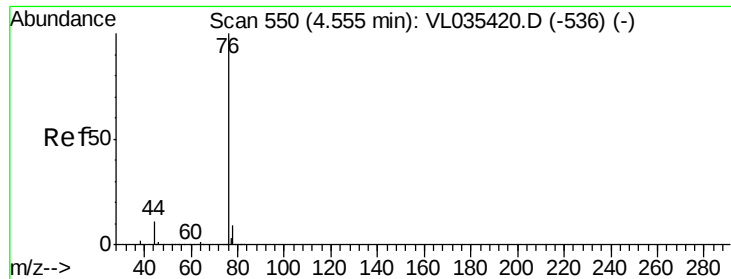
Ion 57.10 (56.80 to 57.80): VL0

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: 0.056 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

ClientSampleId :

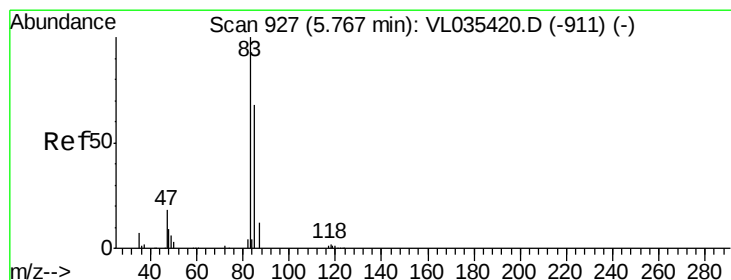
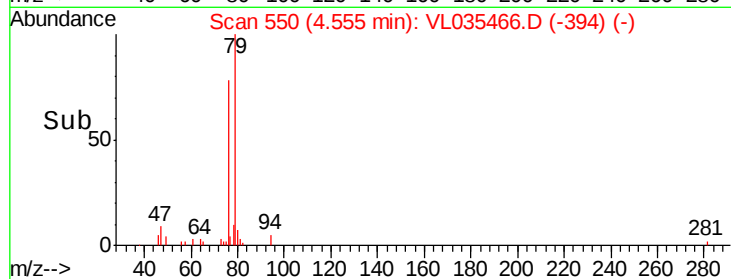
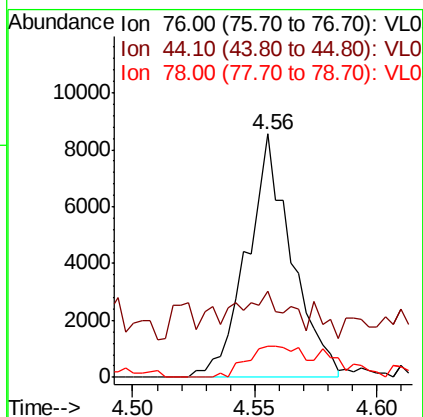
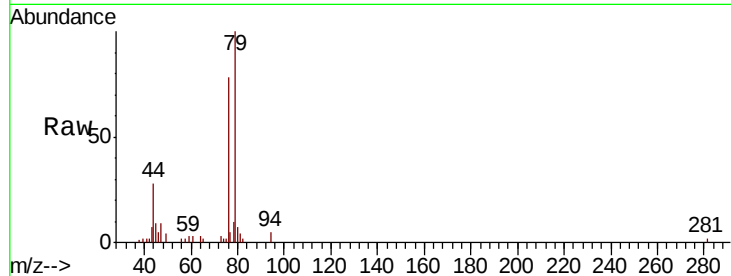
Tot Ion: 76 Resp: 10803

Ion Ratio Lower Upper

76 100

44 32.2 16.8 25.2#

78 28.0 7.3 10.9#



#29

Chloroform

Concen: 0.134 ppbv

RT: 5.76 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL035466.D

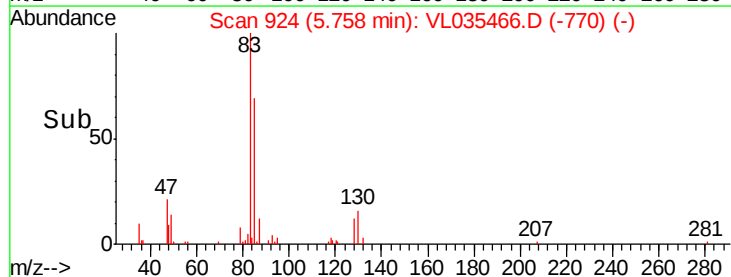
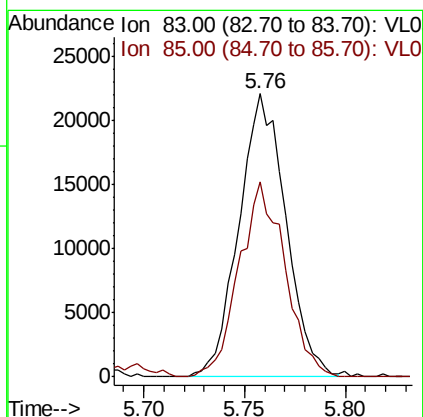
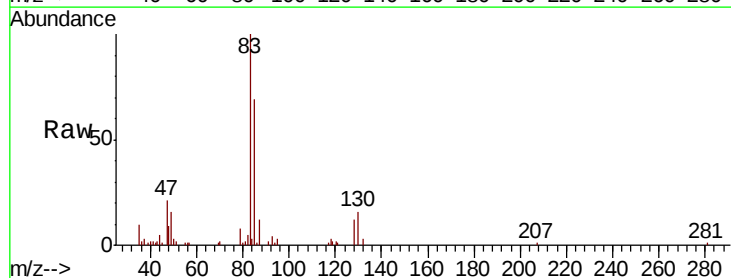
Acq: 19 Aug 2020 12:27

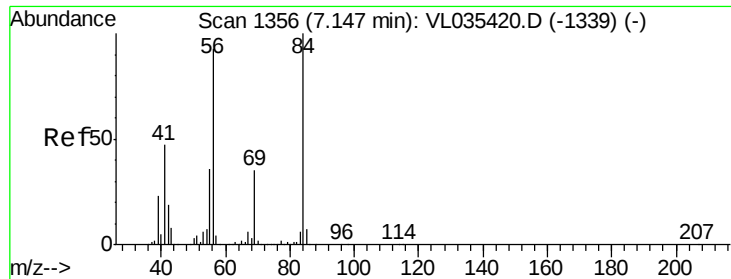
Tgt Ion: 83 Resp: 35983

Ion Ratio Lower Upper

83 100

85 69.0 52.7 79.1

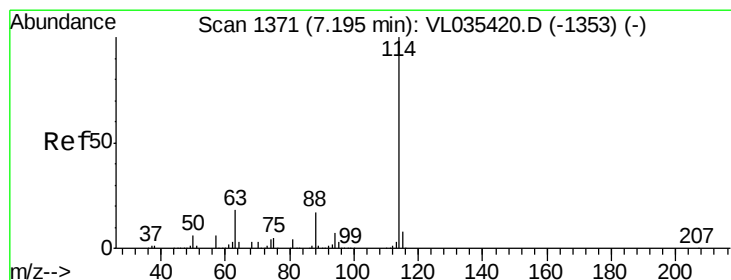
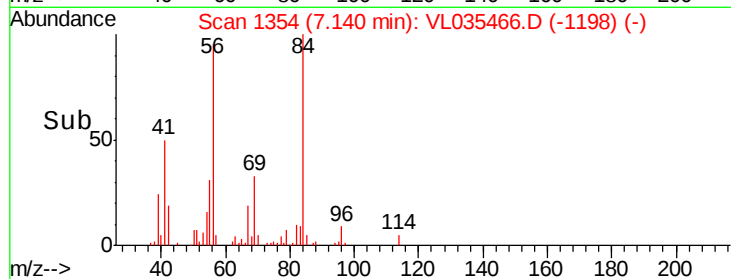
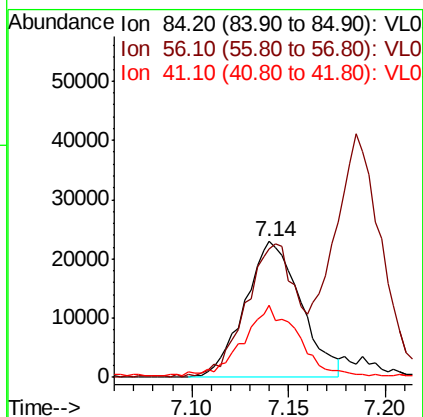
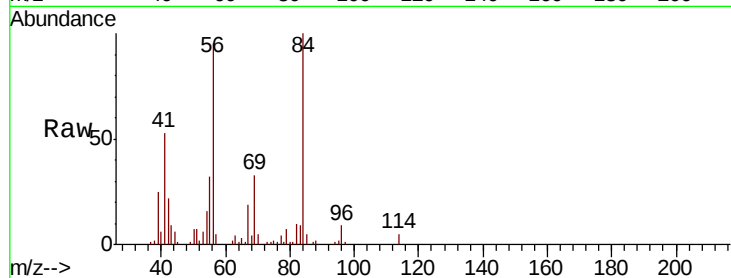




#30  
Cvclohexane  
Concen: 0.310 ppbv  
RT: 7.14 min Scan# 1354  
Delta R.T. 0.00 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

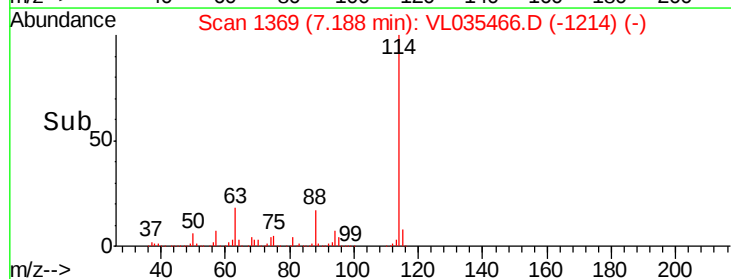
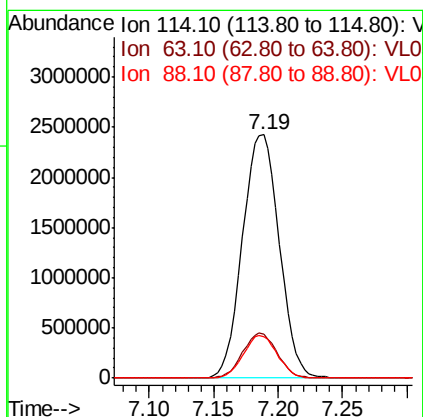
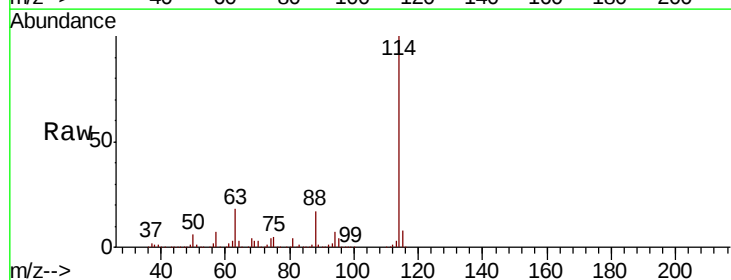
Instrument :  
MSVOA\_L  
ClientSampleId :

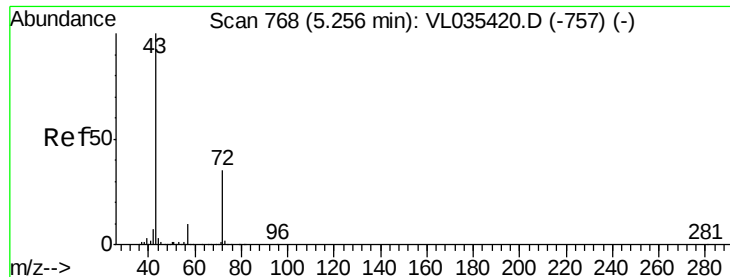
Tot Ion: 84 Resp: 46074  
Ion Ratio Lower Upper  
84 100  
56 85.3 114.9 172.3#  
41 50.6 72.3 108.5#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.19 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

Tgt Ion: 114 Resp: 4817198  
Ion Ratio Lower Upper  
114 100  
63 17.5 23.1 34.7#  
88 16.4 15.9 23.9

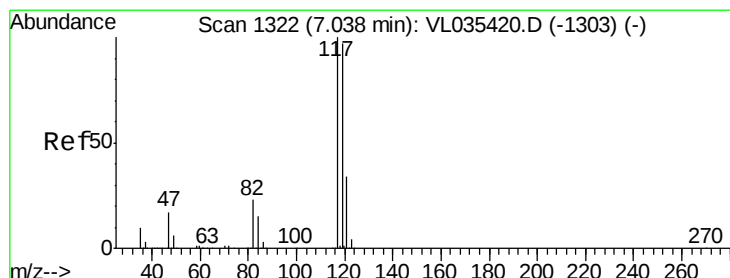
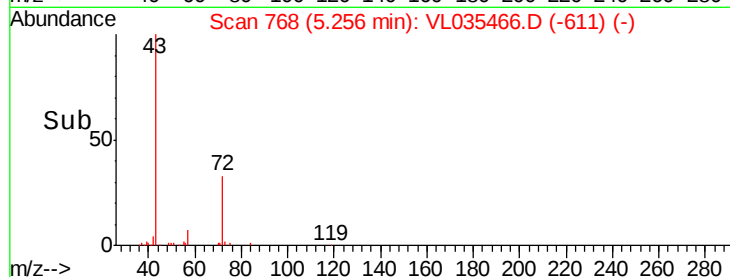
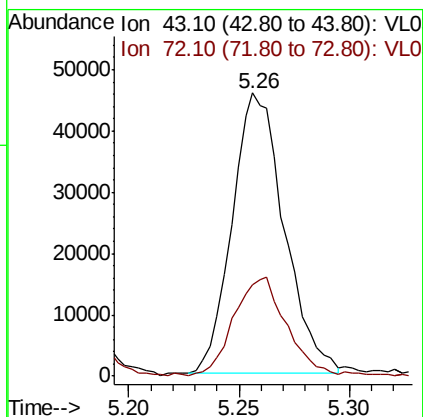
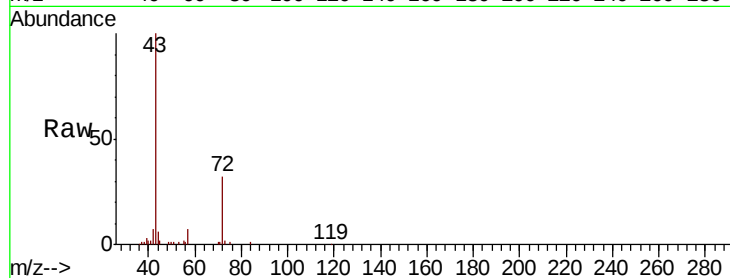




#34  
 2-Butanone  
 Concen: 0.466 ppbv  
 RT: 5.26 min Scan# 768  
 Delta R.T. 0.01 min  
 Lab File: VL035466.D  
 Acq: 19 Aug 2020 12:27

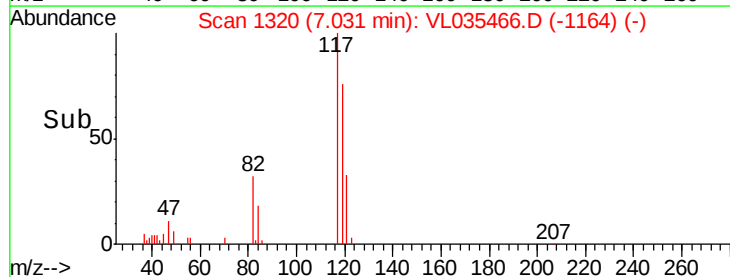
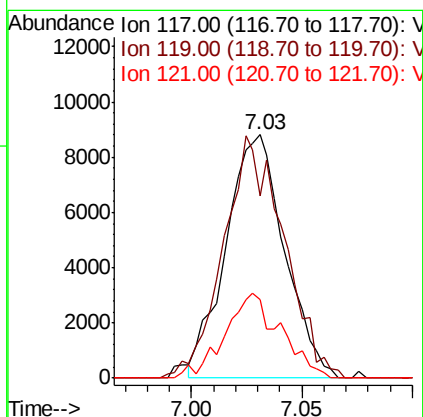
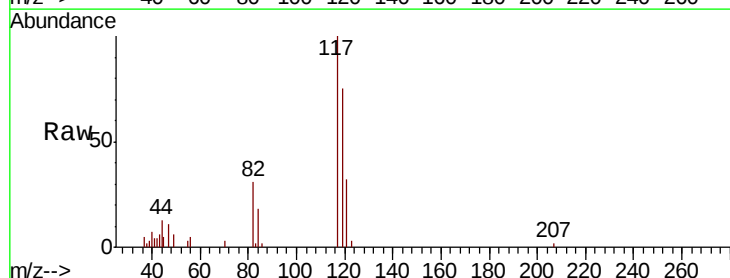
Instrument :  
 MSVOA\_L  
 ClientSampled :

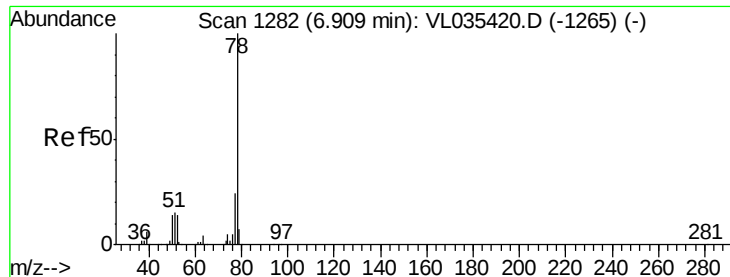
Tot Ion: 43 Resp: 74940  
 Ion Ratio Lower Upper  
 43 100  
 72 36.4 17.6 26.4#



#35  
 Carbon Tetrachloride  
 Concen: 0.064 ppbv  
 RT: 7.03 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: VL035466.D  
 Acq: 19 Aug 2020 12:27

Tgt Ion: 117 Resp: 16285  
 Ion Ratio Lower Upper  
 117 100  
 119 71.6 76.1 114.1#  
 121 32.2 25.5 38.3





#36

Benzene

Concen: 0.155 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

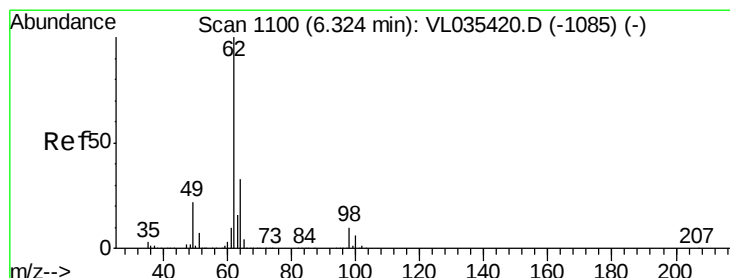
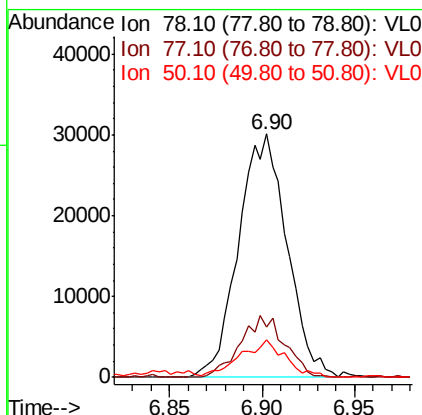
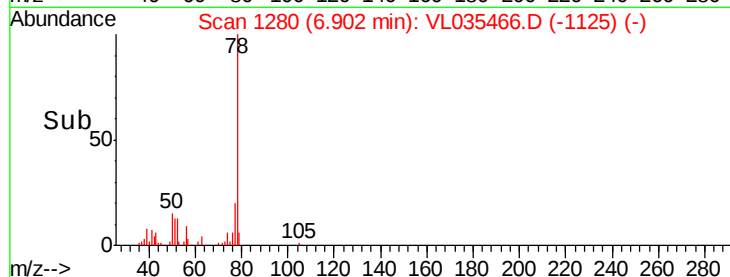
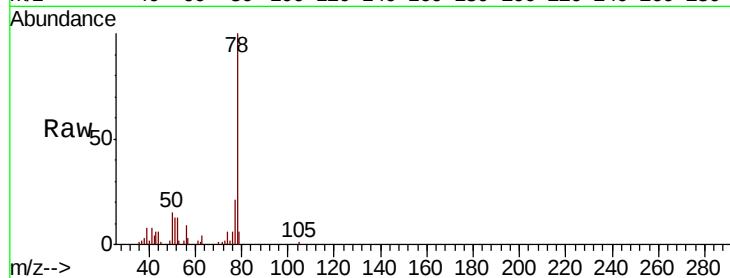
Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion: 78 Resp: 54723

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 20.6  | 19.6  | 29.4  |
| 50  | 15.2  | 16.3  | 24.5# |



#37

1,2-Dichloroethane

Concen: 0.200 ppbv

RT: 6.31 min Scan# 1097

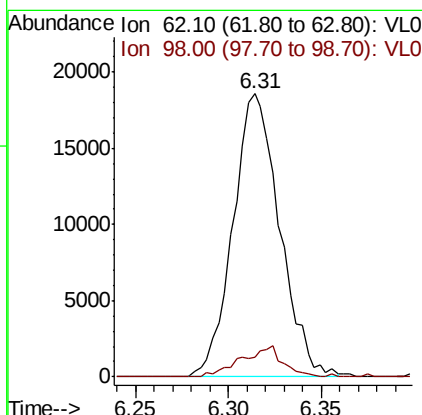
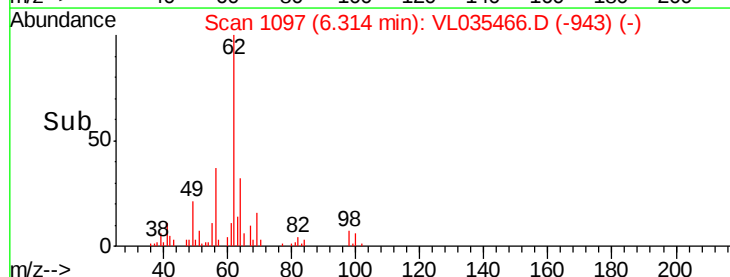
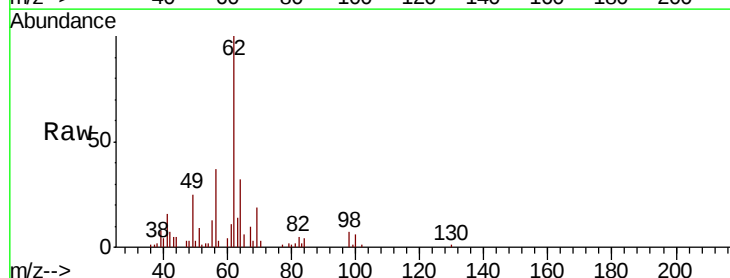
Delta R.T. -0.00 min

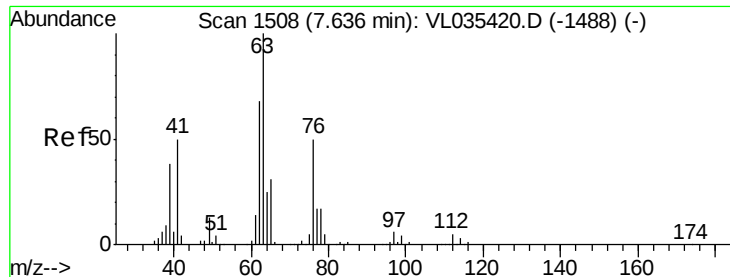
Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Tgt Ion: 62 Resp: 32323

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.9   | 4.6   | 7.0#  |





#39

1,2-Dichloropropane

Concen: 7.221 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

ClientSampleId :

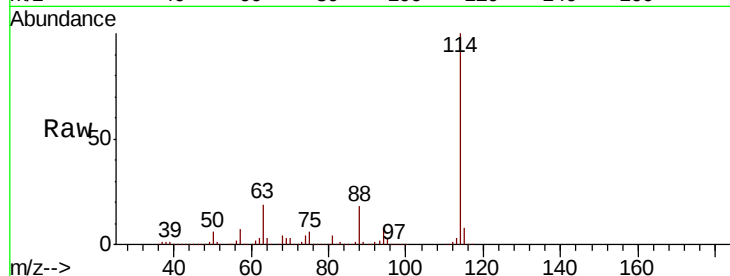
Tot Ion: 63 Resp: 841401

Ion Ratio Lower Upper

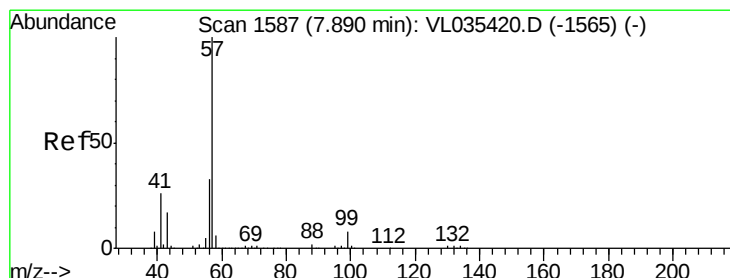
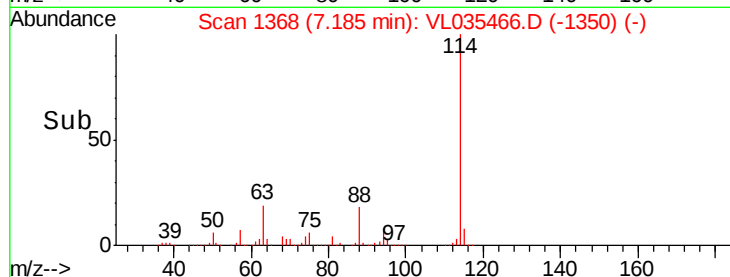
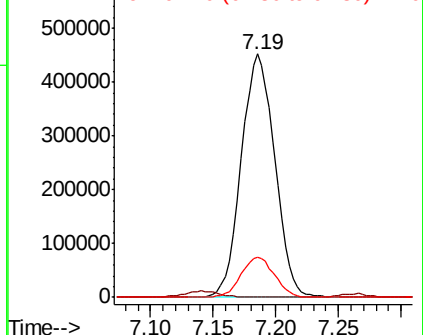
63 100

41 0.0 61.1 91.7#

62 16.2 55.3 82.9#



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



#44

2,2,4-Trimethylpentane

Concen: 0.266 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

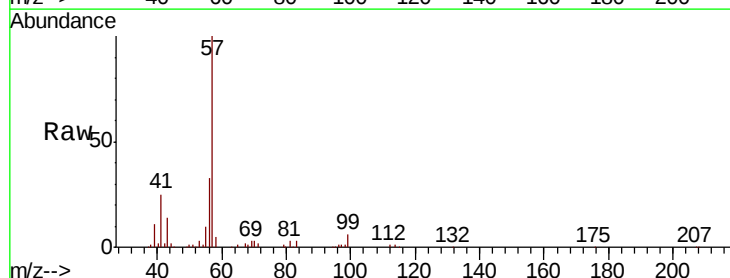
Tgt Ion: 57 Resp: 122821

Ion Ratio Lower Upper

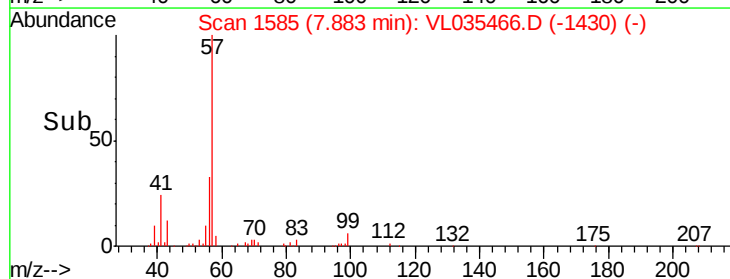
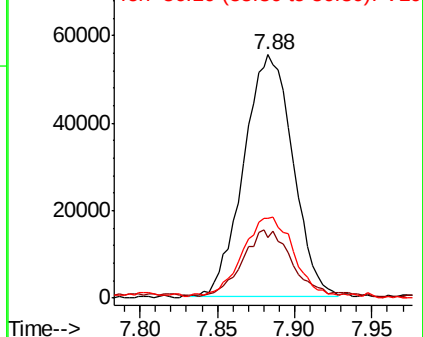
57 100

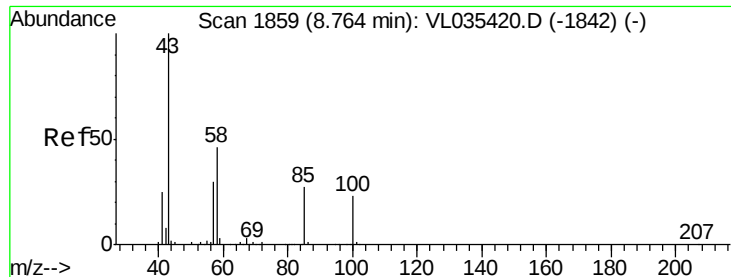
41 30.5 27.2 40.8

56 36.8 25.4 38.0



Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0

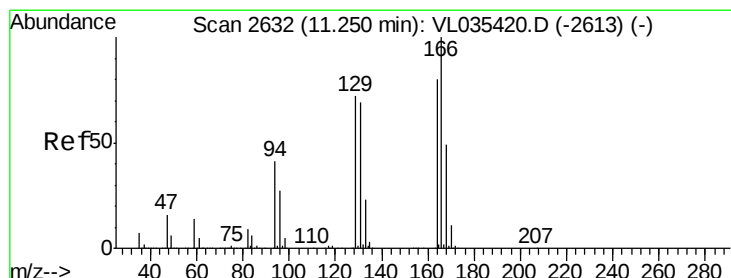
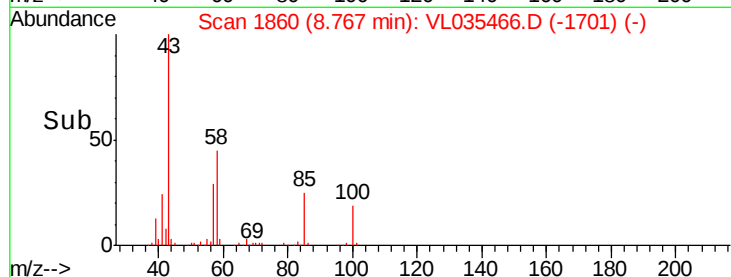
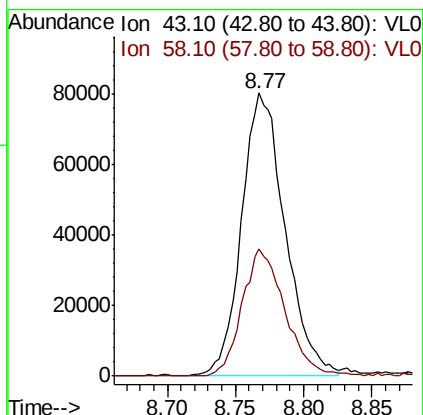
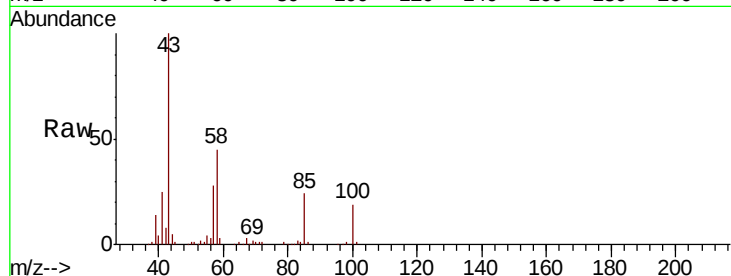




#50  
4-Methyl-2-Pentanone  
Concen: 0.770 ppbv  
RT: 8.77 min Scan# 1860  
Delta R.T. 0.01 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

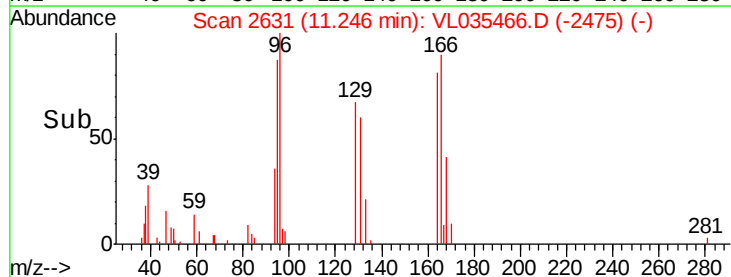
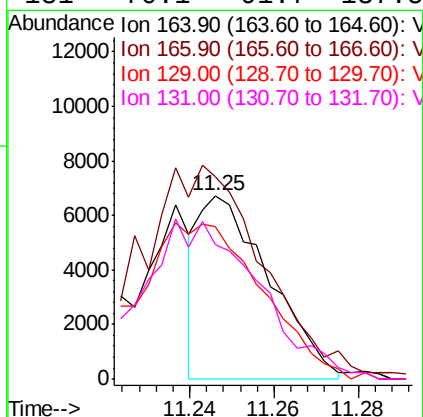
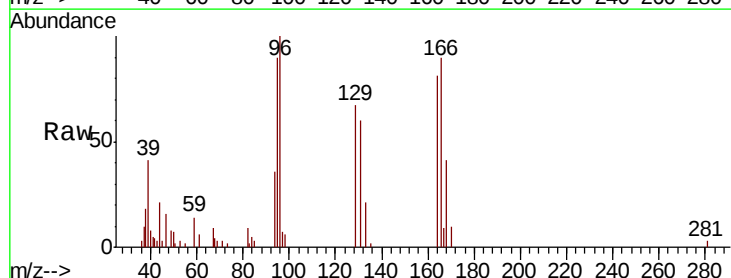
Instrument :  
MSVOA\_L  
ClientSampled :

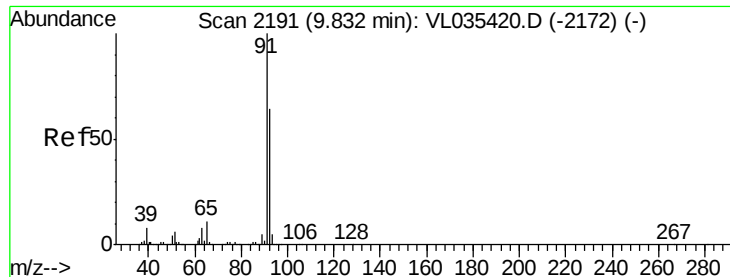
Tot Ion: 43 Resp: 177834  
Ion Ratio Lower Upper  
43 100  
58 44.0 28.7 43.1#



#52  
Tetrachloroethene  
Concen: 0.036 ppbv  
RT: 11.25 min Scan# 2631  
Delta R.T. 0.00 min  
Lab File: VL035466.D  
Acq: 19 Aug 2020 12:27

Tgt Ion: 164 Resp: 7768  
Ion Ratio Lower Upper  
164 100  
166 99.0 103.4 155.0#  
129 80.7 90.2 135.4#  
131 70.1 91.7 137.5#





#53

Toluene

Concen: 0.871 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

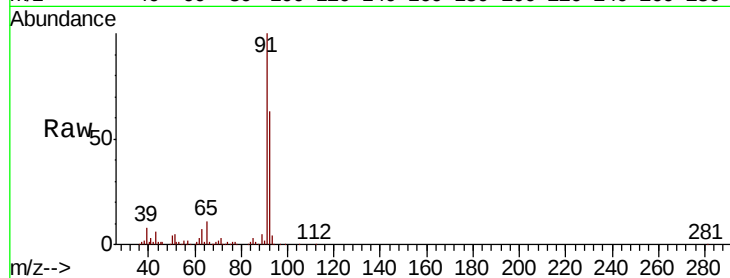
ClientSampleId :

Tot Ion: 91 Resp: 396858

Ion Ratio Lower Upper

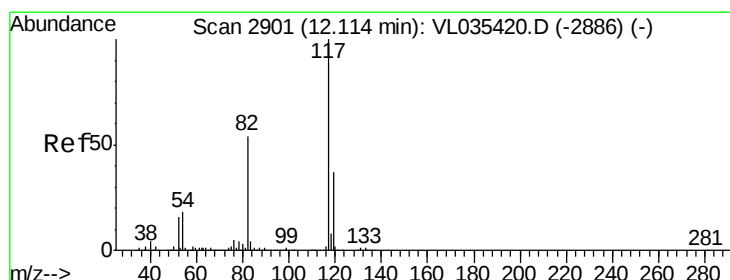
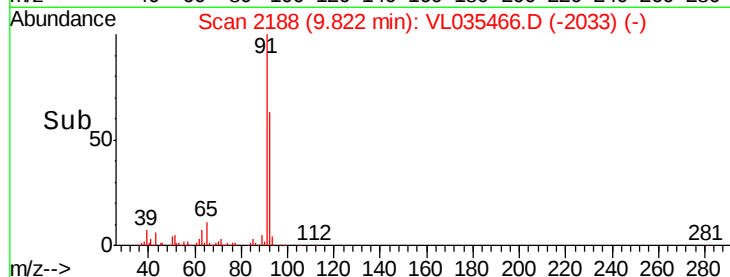
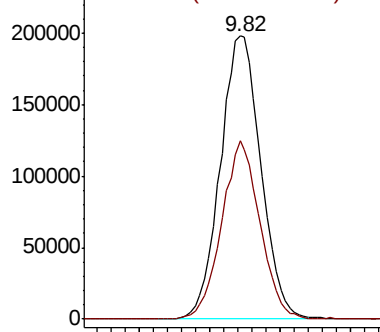
91 100

92 59.6 49.1 73.7



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: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

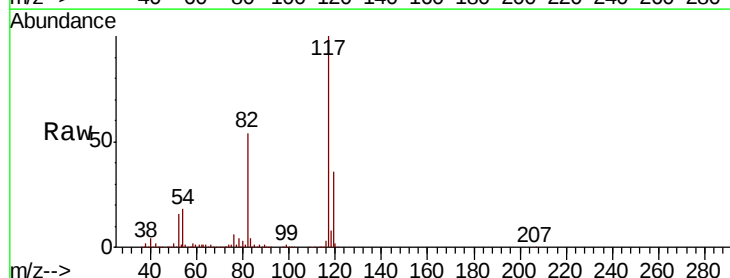
Tgt Ion: 117 Resp: 4797826

Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

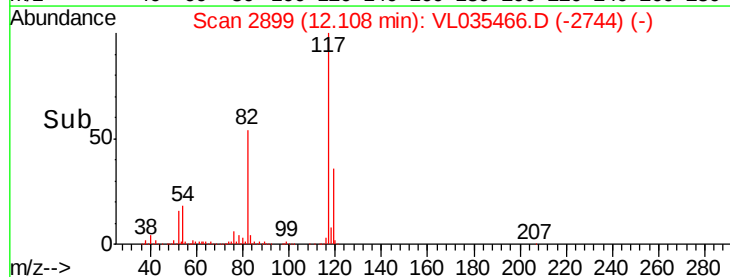
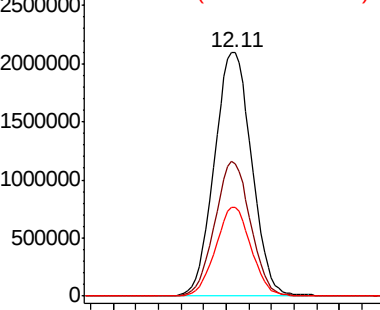
119 34.9 28.4 42.6

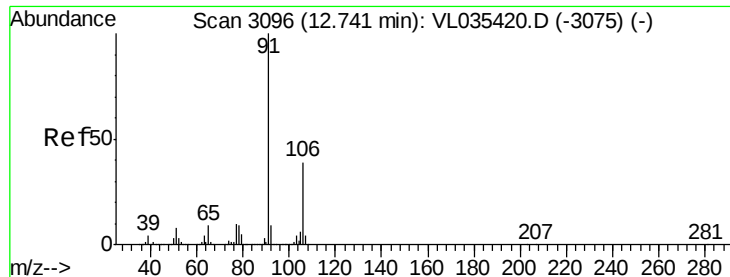


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.089 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

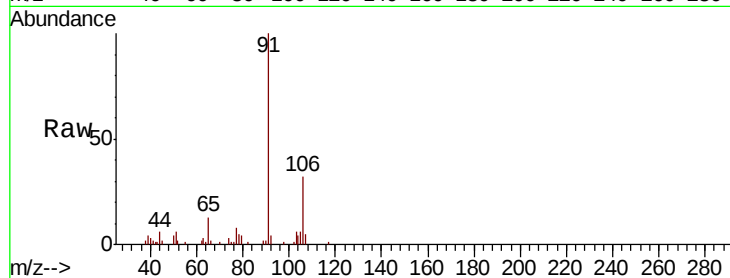
ClientSampled :

Tot Ion: 91 Resp: 51744

Ion Ratio Lower Upper

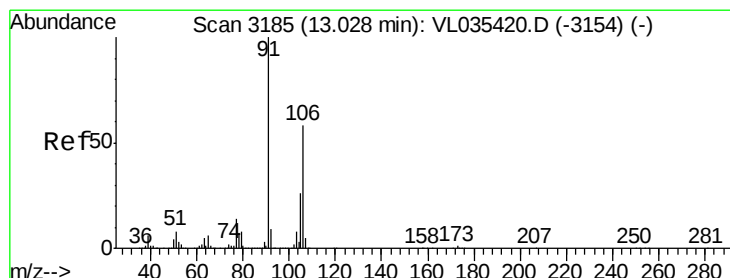
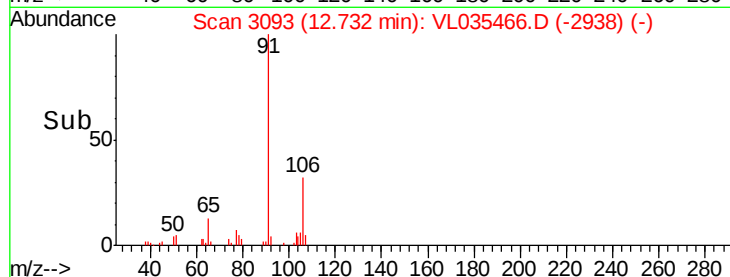
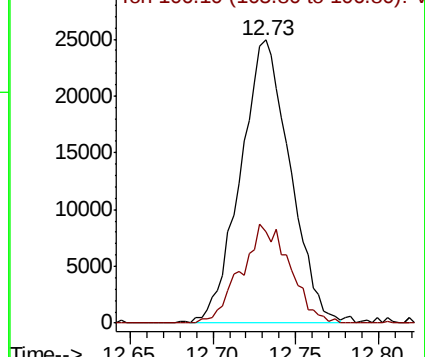
91 100

106 32.2 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.240 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035466.D

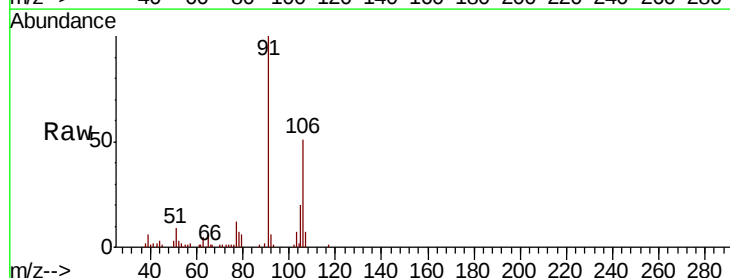
Acq: 19 Aug 2020 12:27

Tgt Ion: 91 Resp: 117609

Ion Ratio Lower Upper

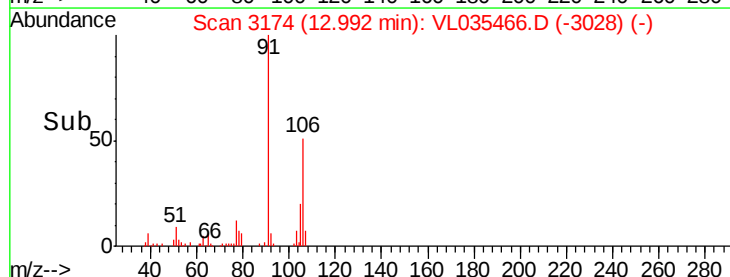
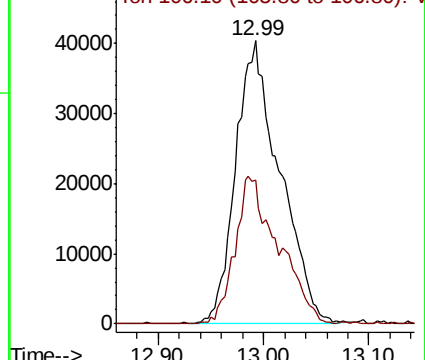
91 100

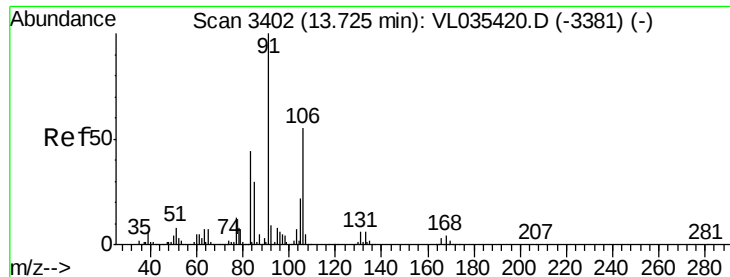
106 50.9 34.0 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.098 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

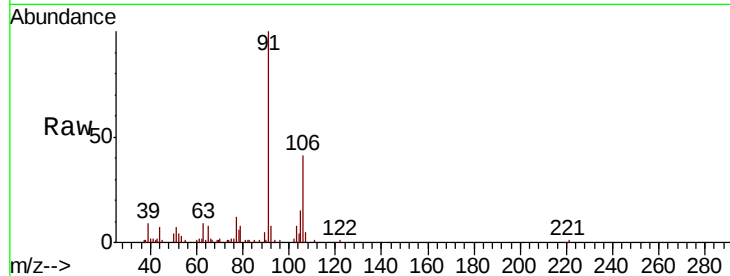
ClientSampleId :

Tot Ion: 91 Resp: 46808

Ion Ratio Lower Upper

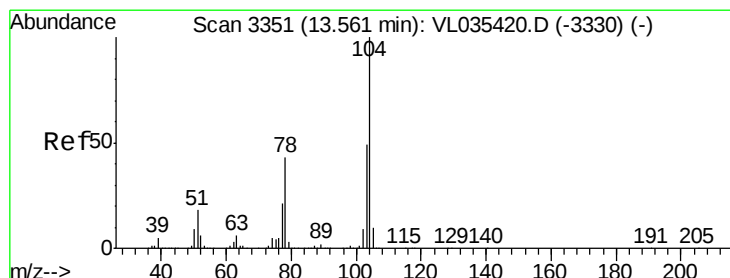
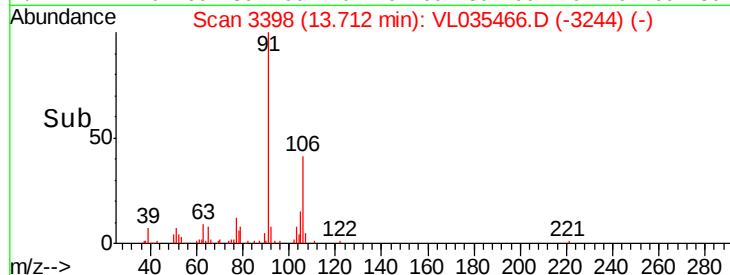
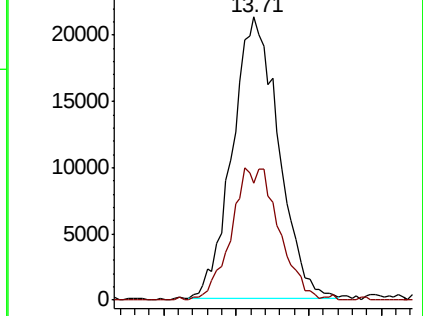
91 100

106 48.6 21.8 65.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.054 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

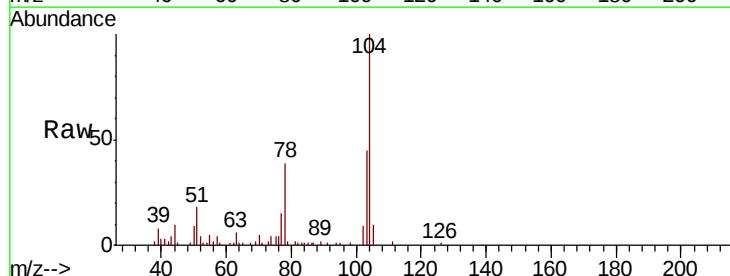
Tgt Ion: 104 Resp: 20593

Ion Ratio Lower Upper

104 100

78 103.0 45.4 68.2#

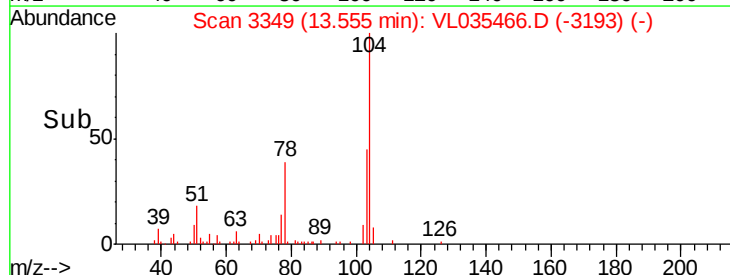
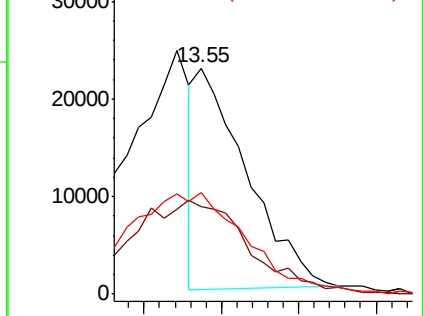
103 113.3 37.8 56.8#

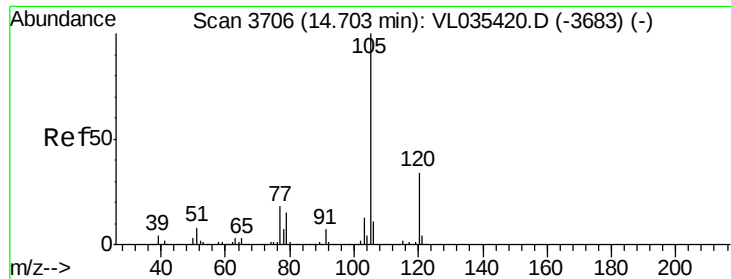


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.121 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

Instrument :

MSVOA\_L

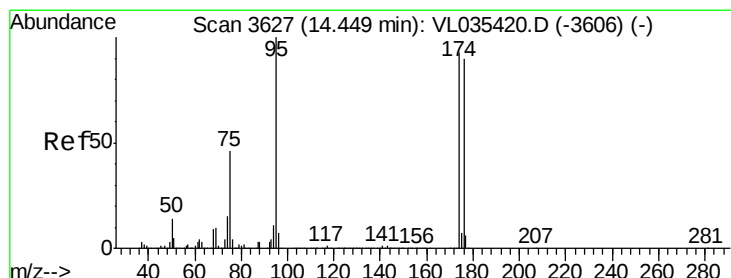
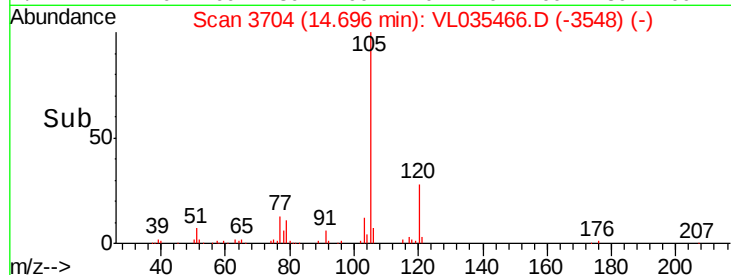
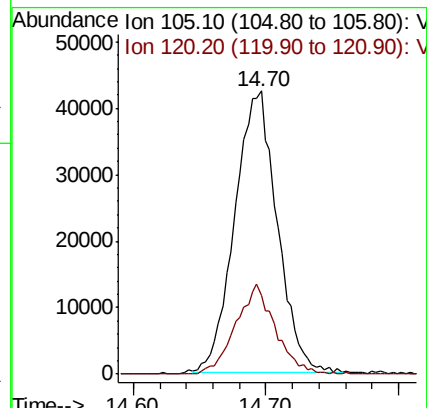
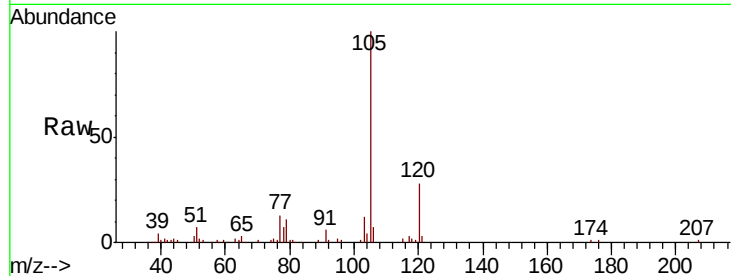
ClientSampleId :

Tot Ion:105 Resp: 94550

Ion Ratio Lower Upper

105 100

120 29.5 20.3 30.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.309 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL035466.D

Acq: 19 Aug 2020 12:27

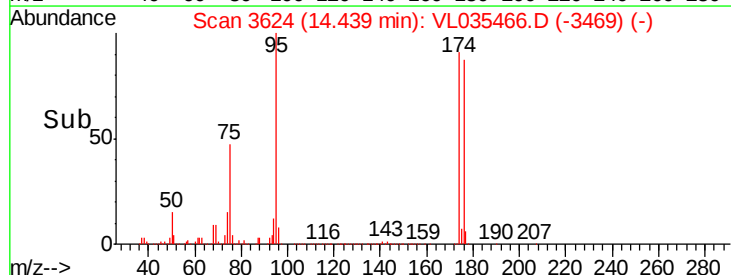
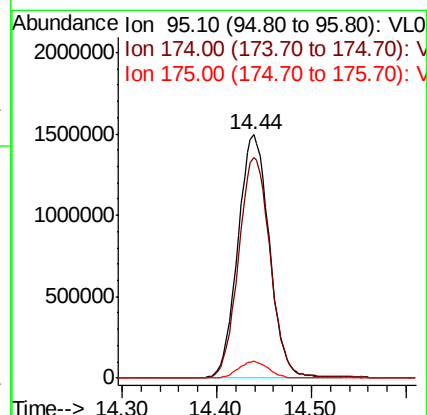
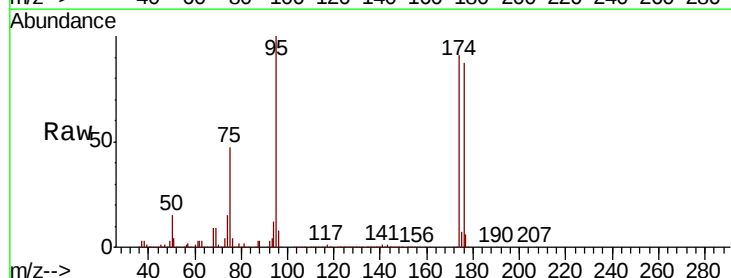
Tgt Ion: 95 Resp: 3462567

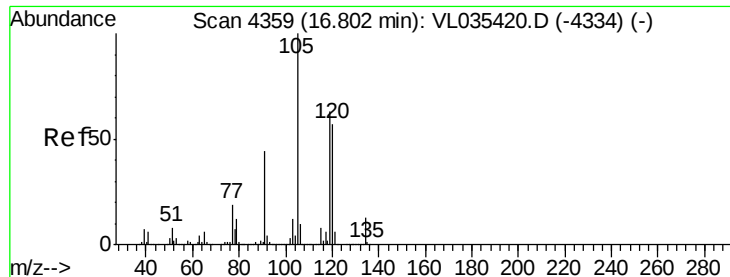
Ion Ratio Lower Upper

95 100

174 91.9 44.0 66.0#

175 6.7 3.2 4.8#

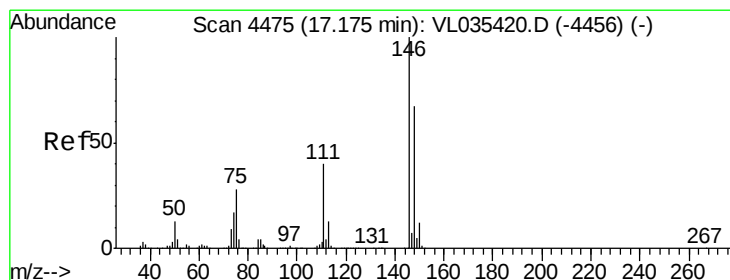
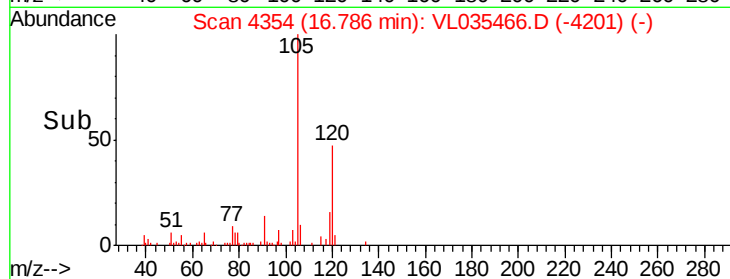
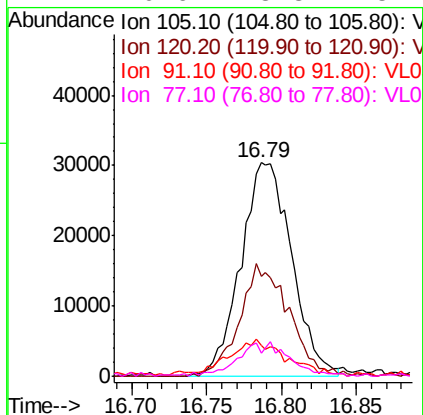
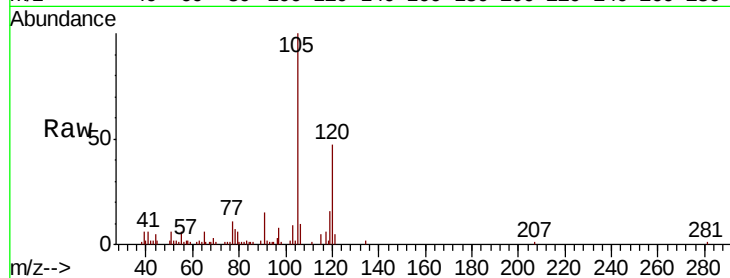




#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.114 ppbv  
 RT: 16.79 min Scan# 4354  
 Delta R.T. -0.01 min  
 Lab File: VL035466.D  
 Acq: 19 Aug 2020 12:27

Instrument :  
 MSVOA\_L  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 37.8  | 56.8  |
| 91      | 13.3  | 40.0  | 60.0# |
| 77      | 10.6  | 18.8  | 28.2# |



#76  
 1,4-Dichlorobenzene  
 Concen: 0.043 ppbv  
 RT: 17.17 min Scan# 4472  
 Delta R.T. -0.00 min  
 Lab File: VL035466.D  
 Acq: 19 Aug 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 86.0  | 24.8  | 74.4# |
| 148     | 130.5 | 32.1  | 96.3# |

