

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\  
 Data File : VL035361.D  
 Acq On : 6 Aug 2020 22:29  
 Operator : SY/AP  
 Sample : L3554-04  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 4-UNDER-GROUND

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2020 10:43:31 AM

Quant Time: Aug 09 21:16:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Aug 0  
 QLast Update : Wed Aug 05 13:04:46 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1458164  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3626444  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.17 | 117  | 3557713  | 10.00 | ppbv  | 0.05     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.48  | 95    | 2870802  | 9.68     | ppbv | 0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.80% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 2.99  | 85   | 146900   | 0.757  | ppbv   | 99     |
| 3) Chlorodifluoromethane   | 2.93  | 51   | 141131   | 0.848  | ppbv # | 90     |
| 4) Chloromethane           | 3.09  | 50   | 59962    | 0.636  | ppbv   | 94     |
| 5) Vinyl Chloride          | 3.20  | 62   | 9024     | 0.093  | ppbv # | 71     |
| 9) Propene                 | 2.95  | 41   | 1668771  | 28.135 | ppbv   | 95     |
| 10) Heptane                | 8.12  | 43   | 359040   | 2.370  | ppbv   | 88     |
| 11) Trichlorofluoromethane | 3.90  | 101  | 5225975  | 20.797 | ppbv   | 94     |
| 15) Acetone                | 3.81  | 43   | 16769123 | 80.983 | ppbv # | 35     |
| 19) Isopropyl Alcohol      | 3.97  | 45   | 1445414m | 11.012 | ppbv   |        |
| 20) Methylene Chloride     | 4.31  | 84   | 356241   | 4.219  | ppbv   | 97     |
| 26) Hexane                 | 5.66  | 57   | 649949   | 4.762  | ppbv # | 39     |
| 27) Carbon Disulfide       | 4.51  | 76   | 358491   | 1.878  | ppbv   | 95     |
| 29) Chloroform             | 5.74  | 83   | 539833   | 2.294  | ppbv   | 93     |
| 30) Cyclohexane            | 7.12  | 84   | 340187m  | 3.287  | ppbv   |        |
| 32) 1,1,1-Trichloroethane  | 6.50  | 97   | 19785m   | 0.080  | ppbv   |        |
| 34) 2-Butanone             | 5.23  | 43   | 8573689  | 48.015 | ppbv   | 96     |
| 35) Carbon Tetrachloride   | 7.02  | 117  | 16011m   | 0.064  | ppbv   |        |
| 36) Benzene                | 6.88  | 78   | 1237011  | 5.052  | ppbv   | 95     |
| 37) 1,2-Dichloroethane     | 6.30  | 62   | 20499    | 0.120  | ppbv # | 83     |
| 38) Trichloroethene        | 7.83  | 130  | 5053m    | 0.045  | ppbv   |        |
| 44) 2,2,4-Trimethylpentane | 7.86  | 57   | 264692   | 0.608  | ppbv # | 64     |
| 52) Tetrachloroethene      | 11.24 | 164  | 15309m   | 0.158  | ppbv   |        |
| 53) Toluene                | 9.82  | 91   | 890780   | 3.344  | ppbv   | 98     |
| 57) Chlorobenzene          | 12.20 | 112  | 73858m   | 0.276  | ppbv   |        |
| 58) Ethyl Benzene          | 12.75 | 91   | 83975m   | 0.227  | ppbv   |        |
| 59) m/p-Xylene             | 13.02 | 91   | 103354m  | 0.300  | ppbv   |        |

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

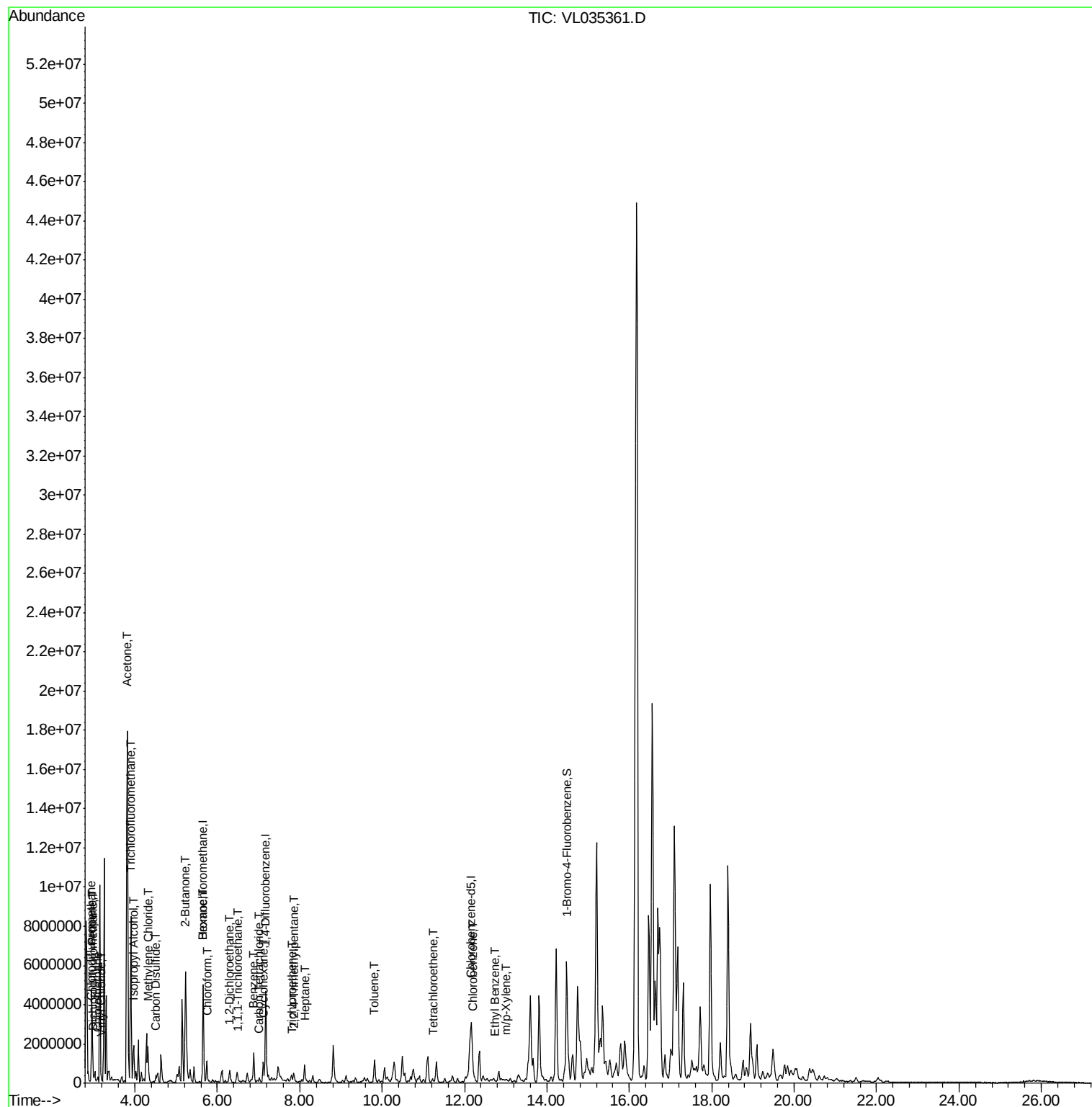
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\  
Data File : VL035361.D  
Acq On : 6 Aug 2020 22:29  
Operator : SY/AP  
Sample : L3554-04  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

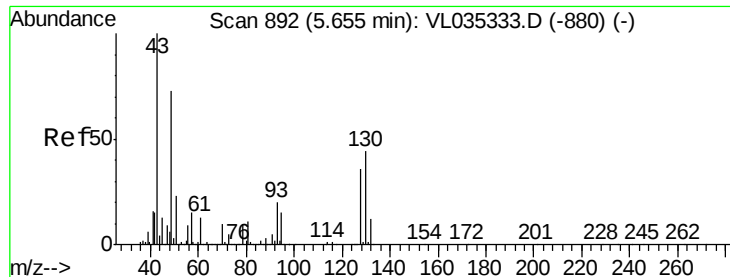
Instrument :  
MSVOA\_L  
ClientSampleId :  
4-UNDER-GROUND

Manual Integrations  
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8/10/2020 10:43:31 AM

Quant Time: Aug 09 21:16:47 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Aug  
QLast Update : Wed Aug 05 13:04:46 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

ClientSampleId :

4-UNDER-GROUND

Tot Ion: 49 Resp: 1458164

Ion Ratio Lower Upper

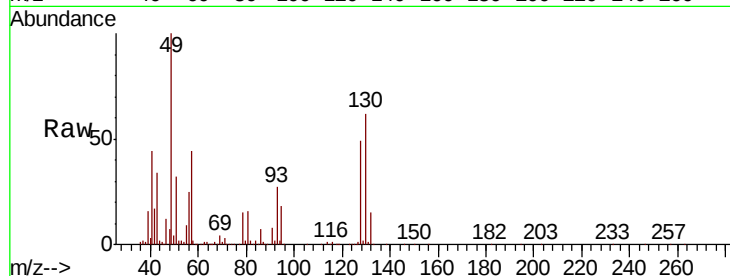
49 100

128 50.0 25.4 76.0

130 63.2 32.1 96.3

Manual Integrations  
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8/10/2020 10:43:31 AM

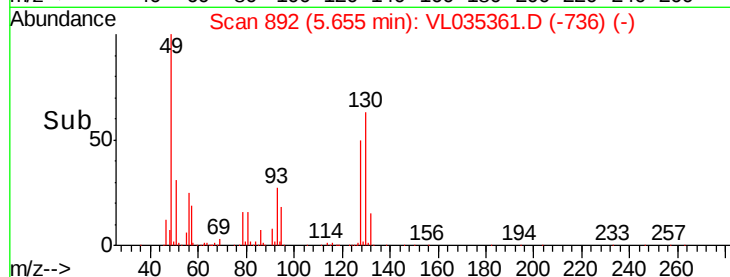


Abundance Ion 49.10 (48.80 to 49.80): VL0

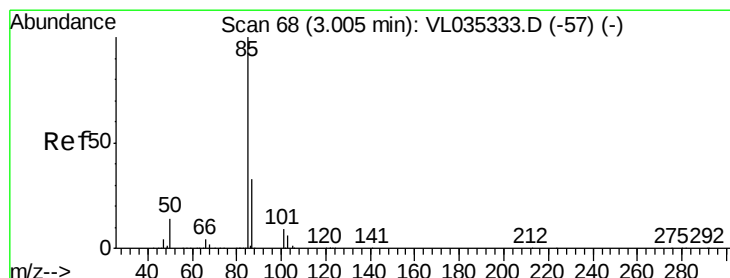
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 0.757 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035361.D

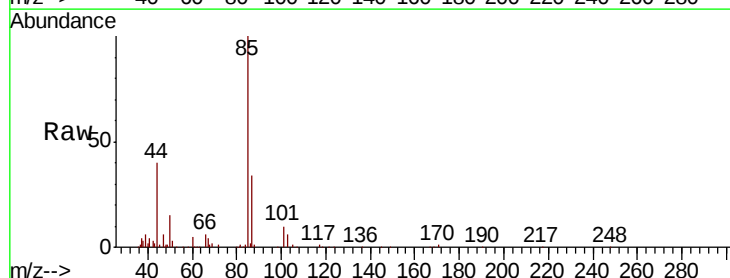
Acq: 6 Aug 2020 22:29

Tgt Ion: 85 Resp: 146900

Ion Ratio Lower Upper

85 100

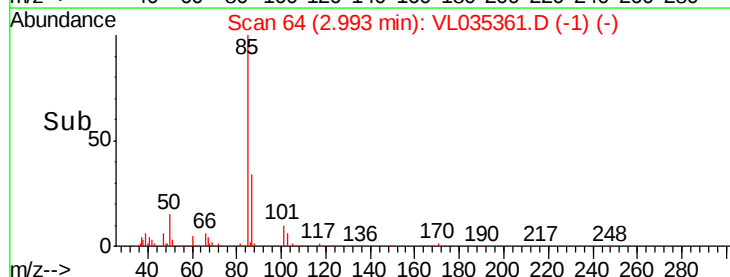
87 33.8 26.7 40.1



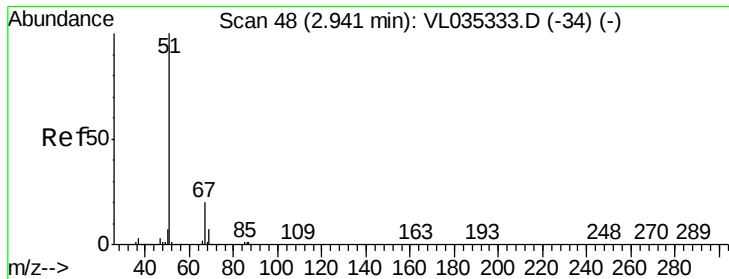
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.848 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

ClientSampleId :

4-UNDER-GROUND

Tot Ion: 51 Resp: 141131

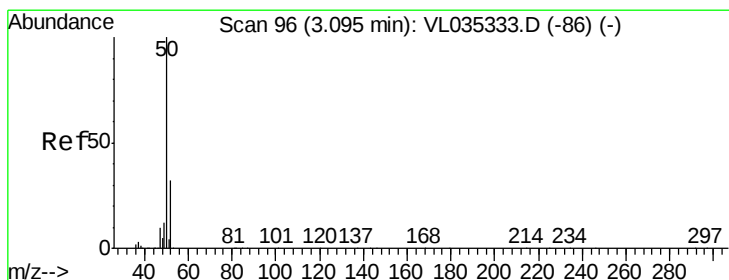
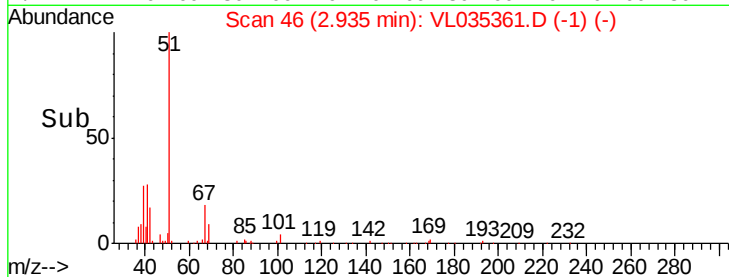
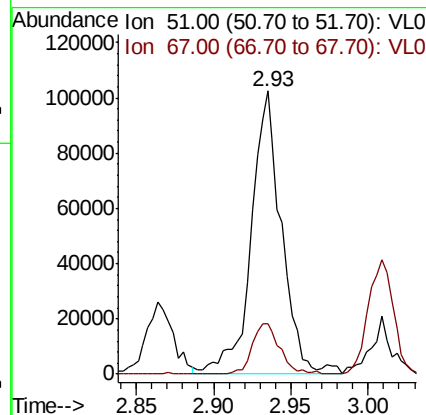
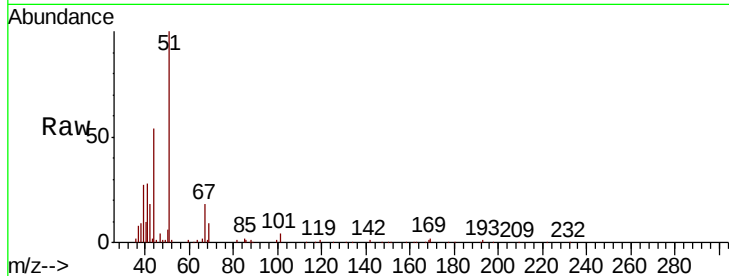
Ion Ratio Lower Upper

51 100

67 16.2 16.6 25.0#

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#4

Chloromethane

Concen: 0.636 ppbv

RT: 3.09 min Scan# 93

Delta R.T. -0.01 min

Lab File: VL035361.D

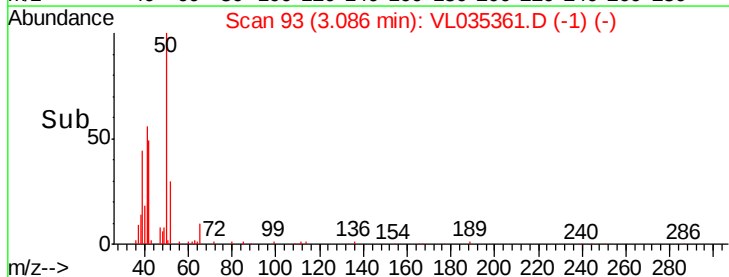
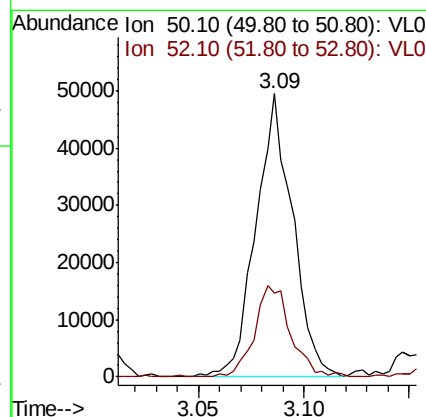
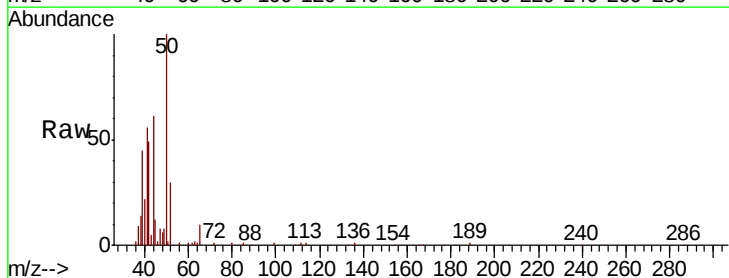
Acq: 6 Aug 2020 22:29

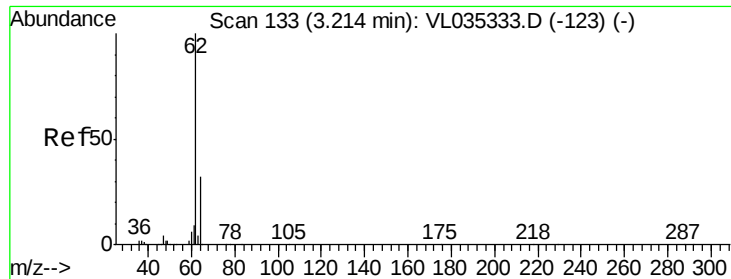
Tgt Ion: 50 Resp: 59962

Ion Ratio Lower Upper

50 100

52 29.1 26.0 39.0





#5

Vinyl Chloride

Concen: 0.093 ppbv

RT: 3.20 min Scan# 129

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

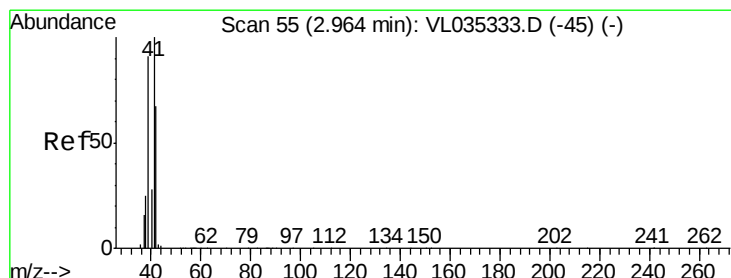
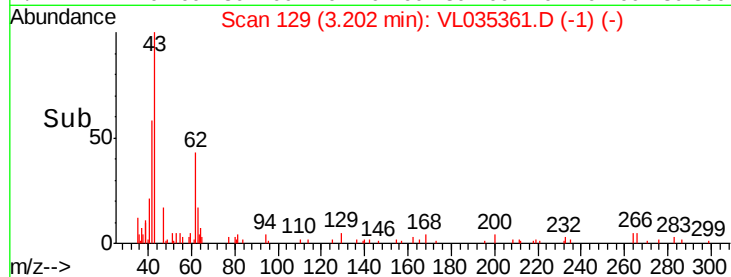
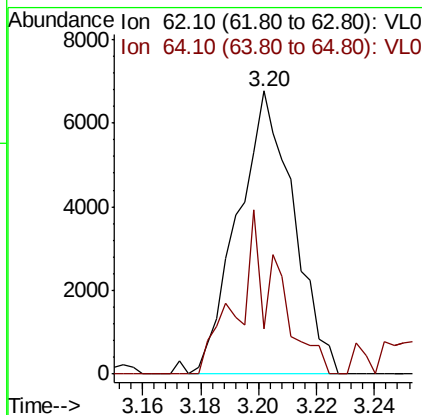
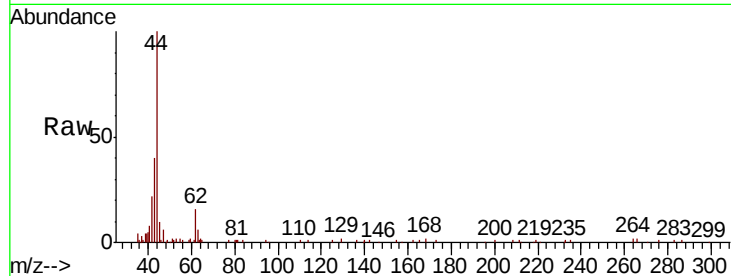
ClientSampleId :

4-UNDER-GROUND

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 16.0  | 25.8  | 38.6# |

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#9

Propene

Concen: 28.135 ppbv

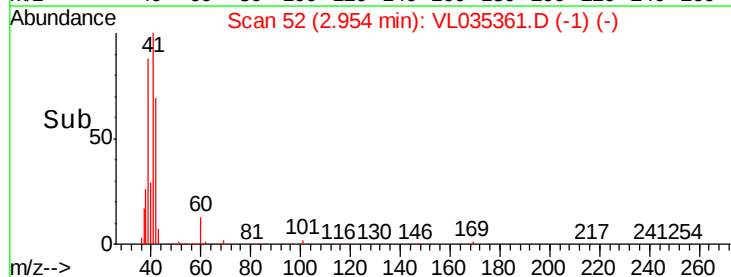
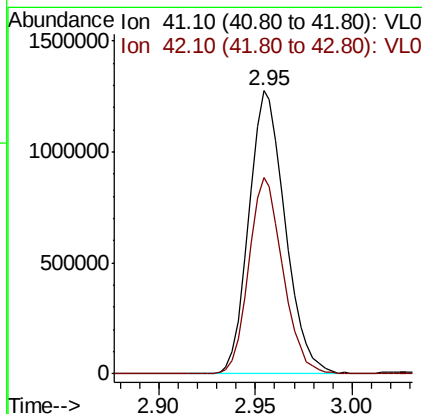
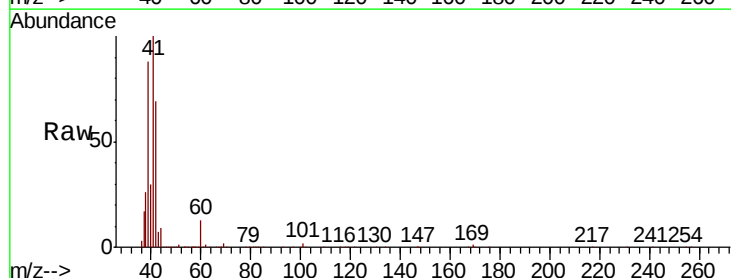
RT: 2.95 min Scan# 52

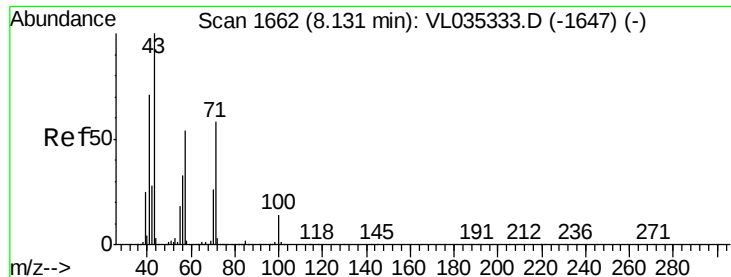
Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 42      | 65.3  | 55.3  | 82.9  |





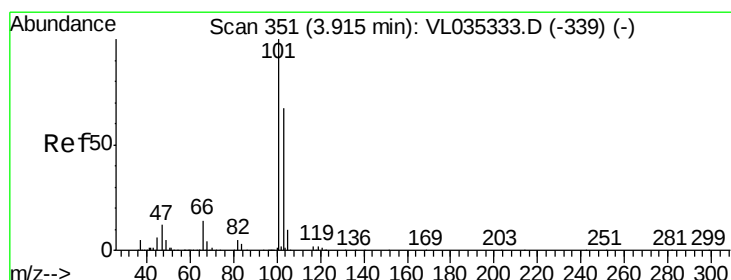
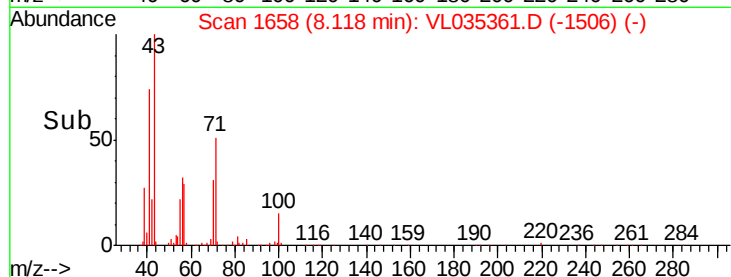
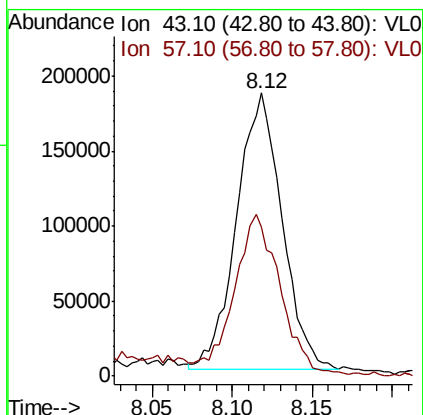
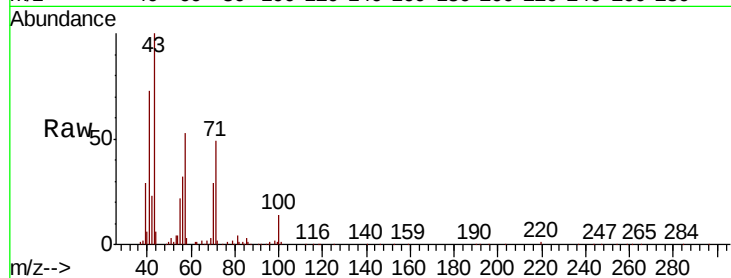
#10  
 Heptane  
 Concen: 2.370 ppbv  
 RT: 8.12 min Scan# 1658  
 Delta R.T. -0.01 min  
 Lab File: VL035361.D  
 Acq: 6 Aug 2020 22:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 4-UNDER-GROUND

| Tot Ion   | 43    | Resp  | 359040 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 57        | 62.2  | 43.0  | 64.6   |

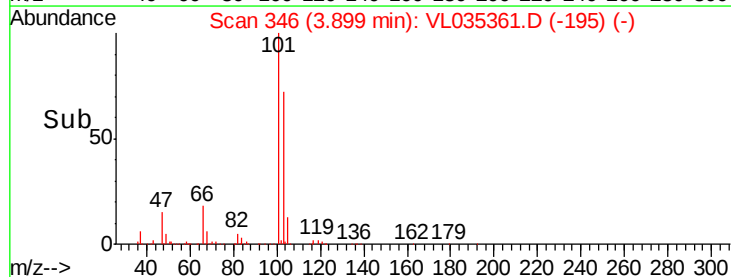
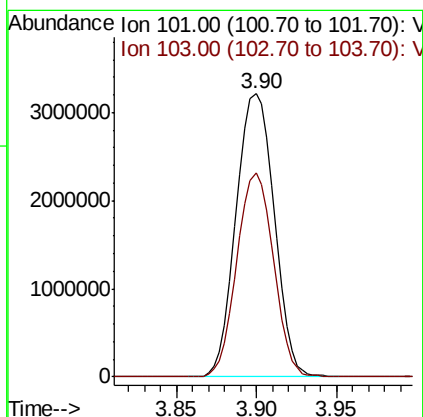
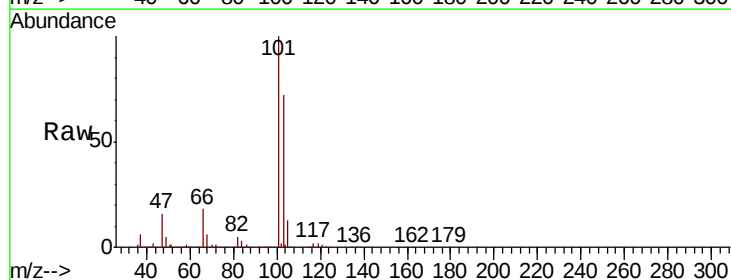
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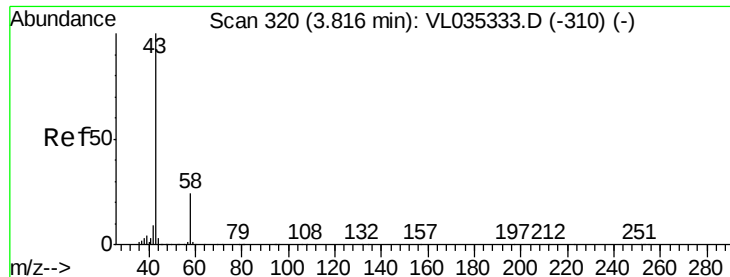
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 8/10/2020 10:43:31 AM



#11  
 Trichlorofluoromethane  
 Concen: 20.797 ppbv  
 RT: 3.90 min Scan# 346  
 Delta R.T. -0.02 min  
 Lab File: VL035361.D  
 Acq: 6 Aug 2020 22:29

| Tgt Ion   | 101   | Resp  | 5225975 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 101       | 100   |       |         |
| 103       | 72.0  | 53.8  | 80.8    |





#15

Acetone

Concen: 80.983 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

ClientSampleId :

4-UNDER-GROUND

Tot Ion: 43 Resp:16769123

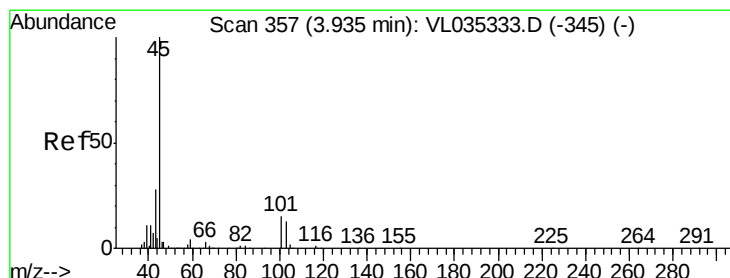
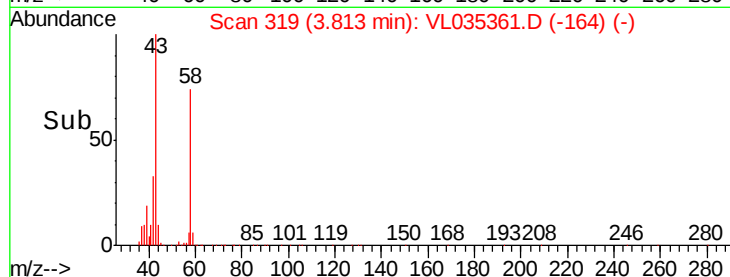
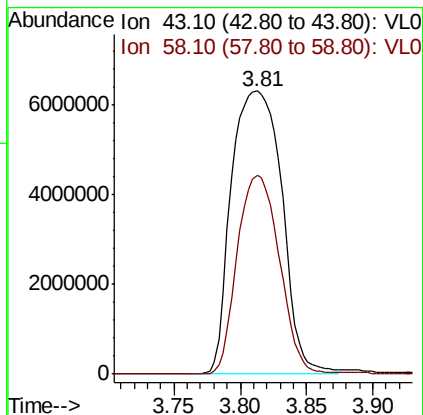
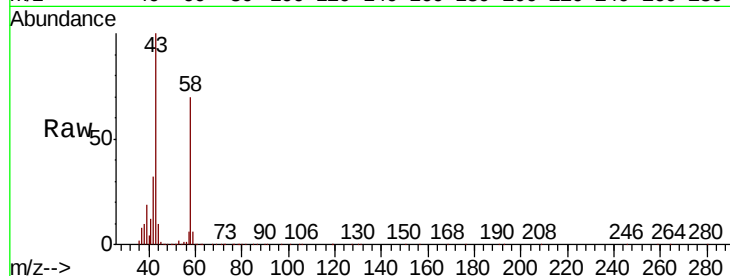
Ion Ratio Lower Upper

43 100

58 59.2 21.0 31.4#

Manual Integrations  
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#19

Isopropyl Alcohol

Concen: 11.012 ppbv m

RT: 3.97 min Scan# 369

Delta R.T. 0.04 min

Lab File: VL035361.D

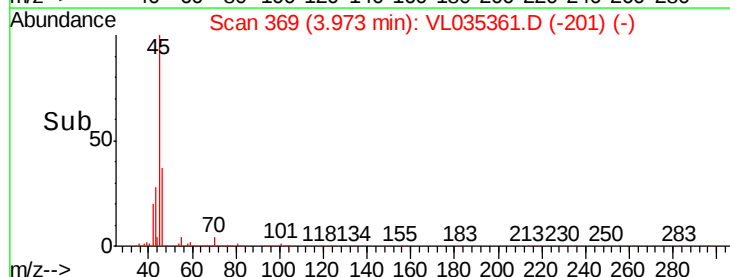
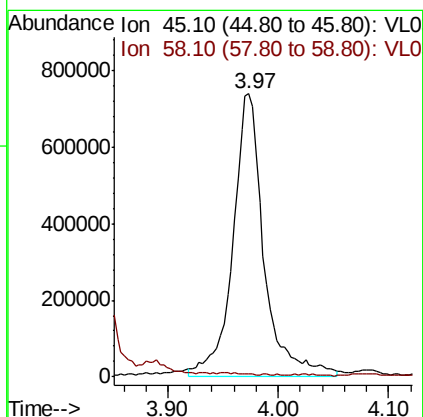
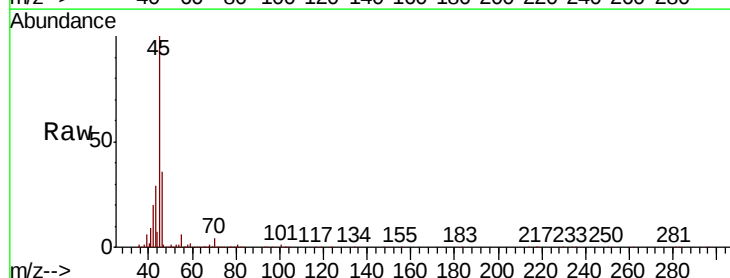
Acq: 6 Aug 2020 22:29

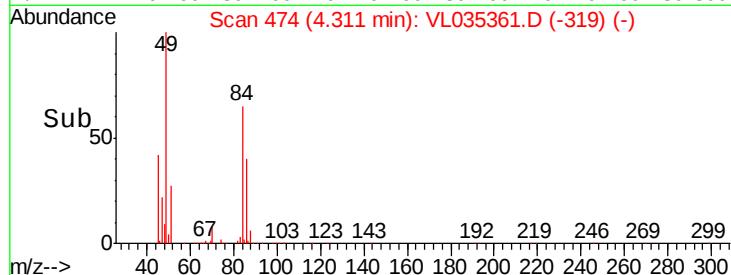
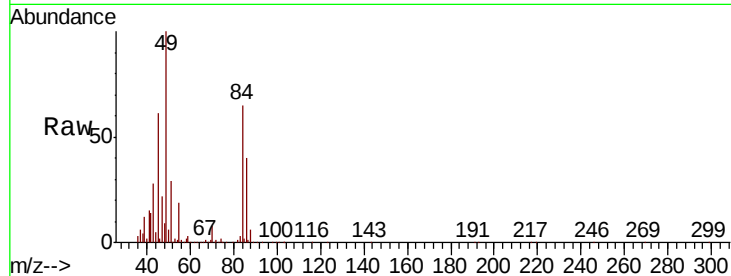
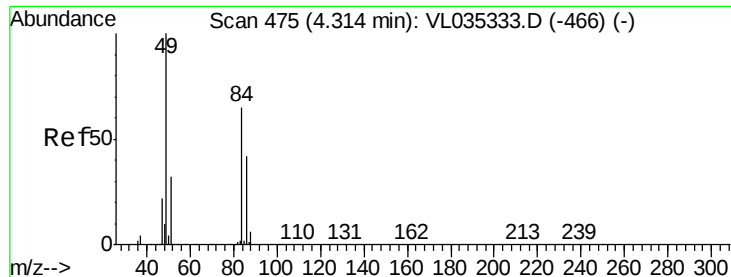
Tgt Ion: 45 Resp: 1445414

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#





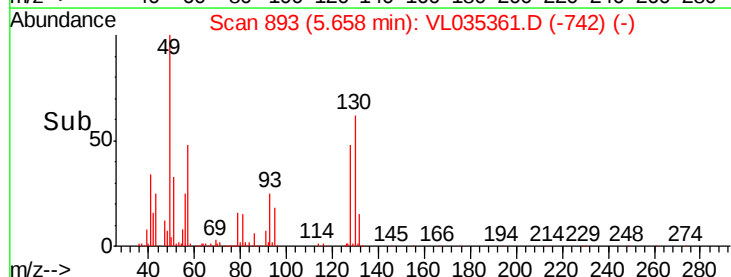
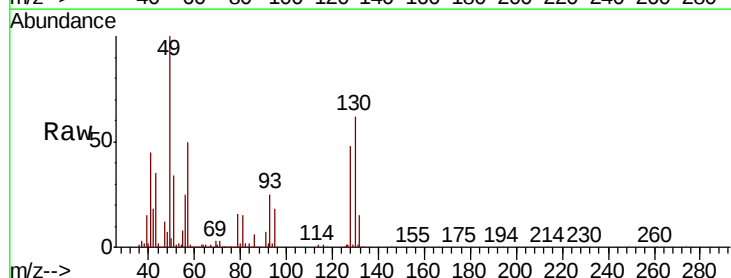
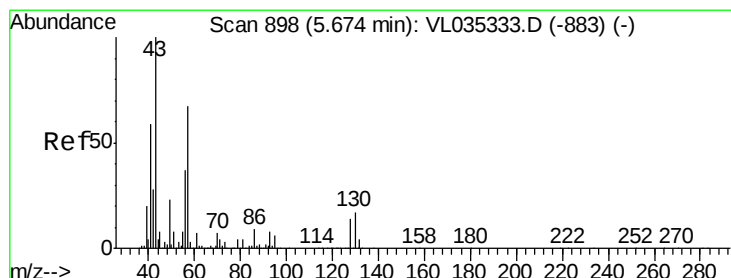
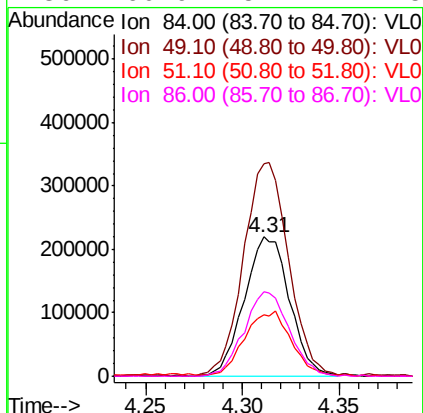
#20  
Methvlene Chloride  
Concen: 4.219 ppbv  
RT: 4.31 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

| Tot Ion | 84    | Resp  | 356241 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 84      | 100   |       |        |
| 49      | 153.0 | 122.8 | 184.2  |
| 51      | 43.1  | 40.1  | 60.1   |
| 86      | 60.9  | 51.7  | 77.5   |

Instrument :  
MSVOA\_L  
ClientSampleId :  
4-UNDER-GROUND

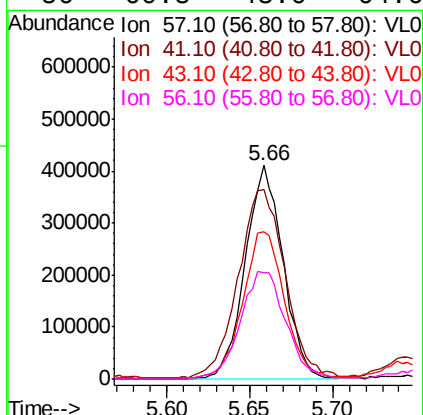
Manual Integrations  
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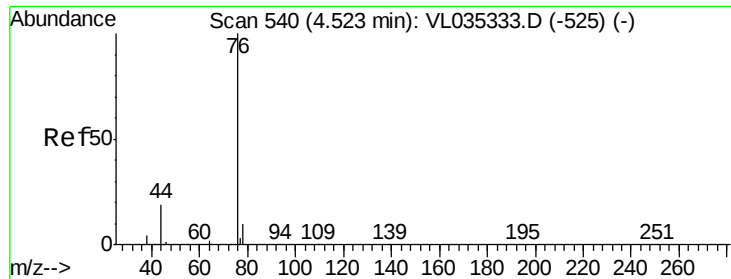
MMDadoda  
8/10/2020 10:43:31 AM



#26  
Hexane  
Concen: 4.762 ppbv  
RT: 5.66 min Scan# 893  
Delta R.T. -0.02 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

| Tgt Ion | 57    | Resp  | 649949 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 57      | 100   |       |        |
| 41      | 109.5 | 75.2  | 112.8  |
| 43      | 75.3  | 180.6 | 270.8# |
| 56      | 60.8  | 43.0  | 64.6   |





#27

Carbon Disulfide

Concen: 1.878 ppbv

RT: 4.51 min Scan# 535

Delta R.T. -0.02 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

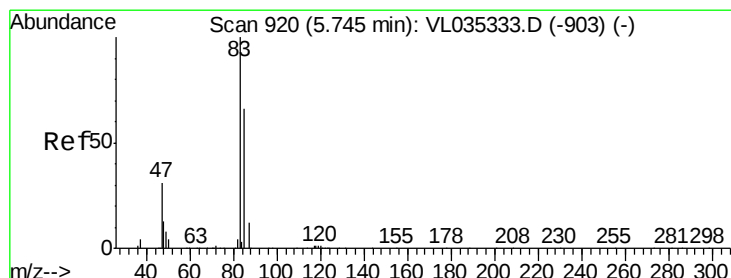
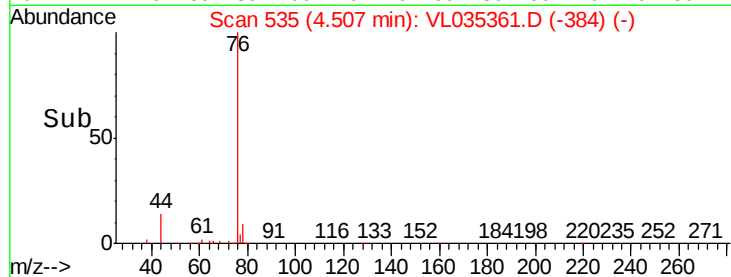
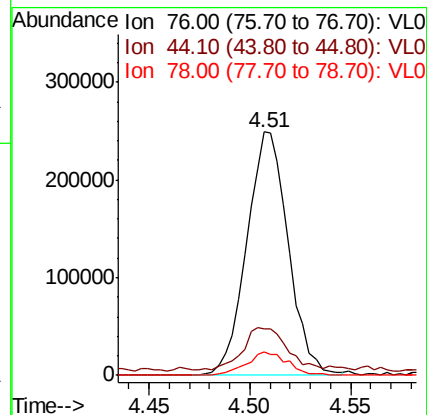
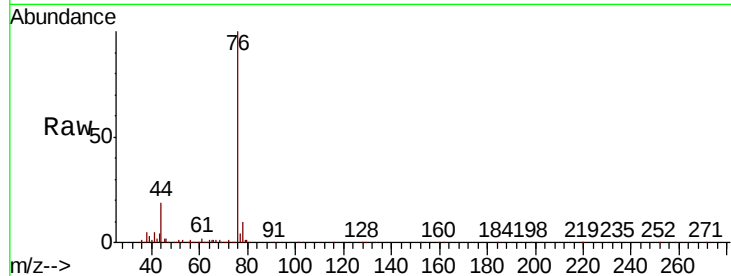
ClientSampleId :

4-UNDER-GROUND

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 76    | Resp: | 358491 |
| Ion Ratio | Lower | Upper |        |
| 76        | 100   |       |        |
| 44        | 22.4  | 15.4  | 23.2   |
| 78        | 9.7   | 7.7   | 11.5   |

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#29

Chloroform

Concen: 2.294 ppbv

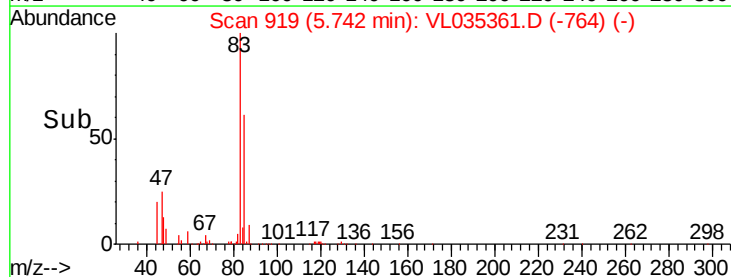
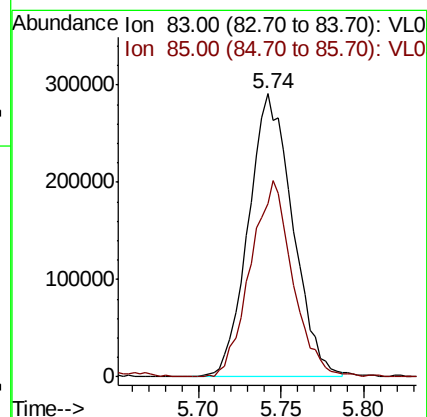
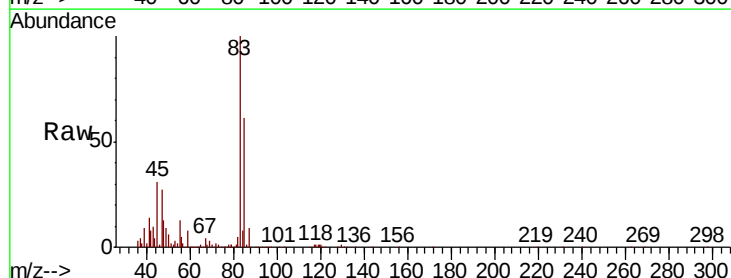
RT: 5.74 min Scan# 919

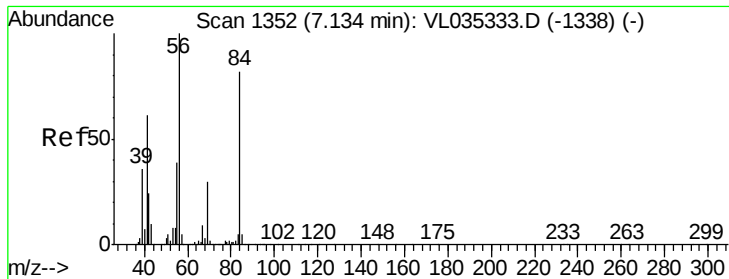
Delta R.T. -0.00 min

Lab File: VL035361.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 539833 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 60.9  | 52.9  | 79.3   |





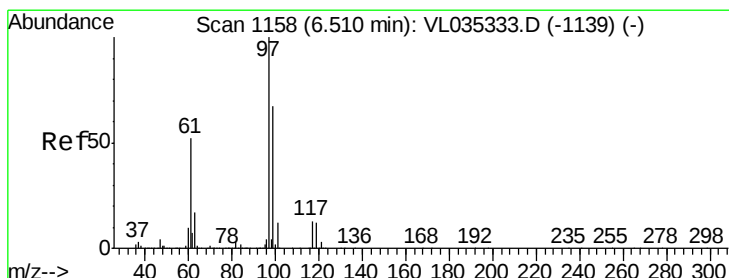
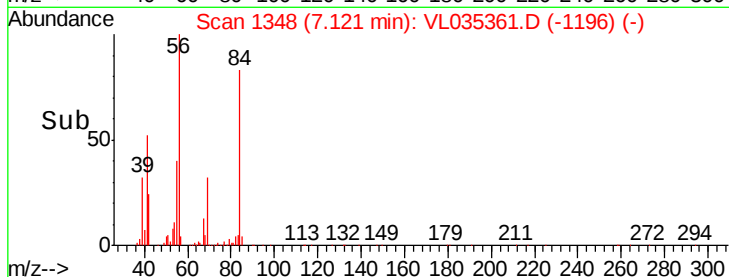
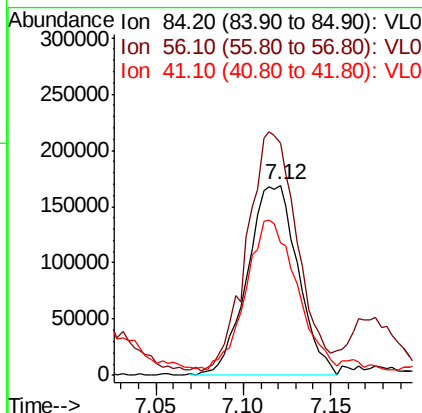
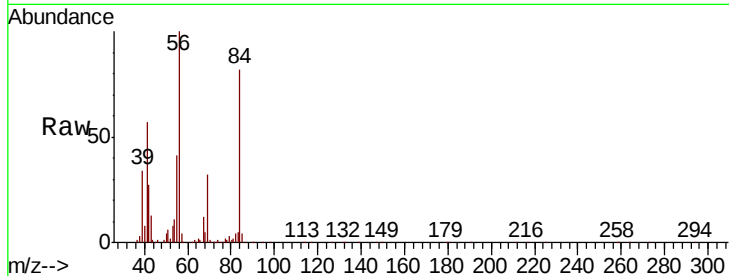
#30  
Cyclohexane  
Concen: 3.287 ppbv m  
RT: 7.12 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

Instrument :  
MSVOA\_L  
ClientSampleId :  
4-UNDER-GROUND

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 84      | 100   |       |        |
| 56      | 0.0   | 104.7 | 157.1# |
| 41      | 0.0   | 64.2  | 96.2#  |

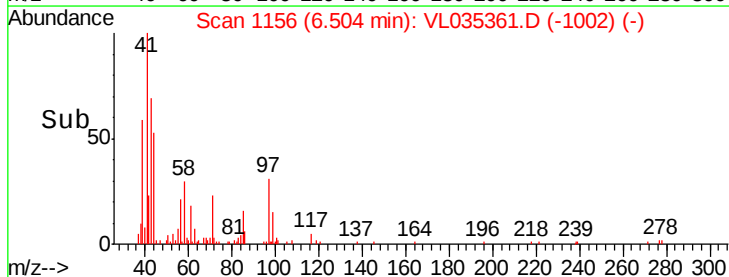
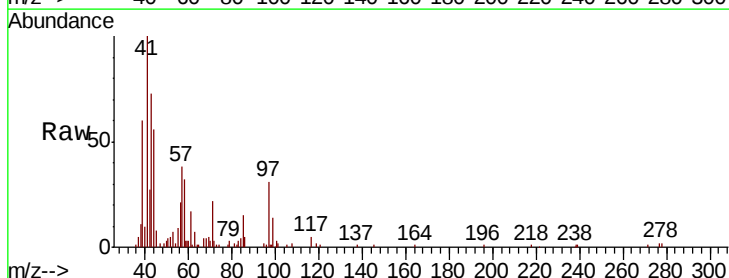
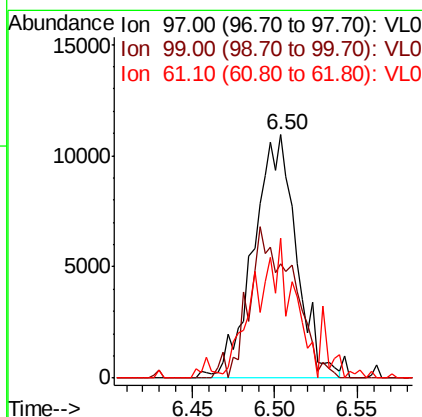
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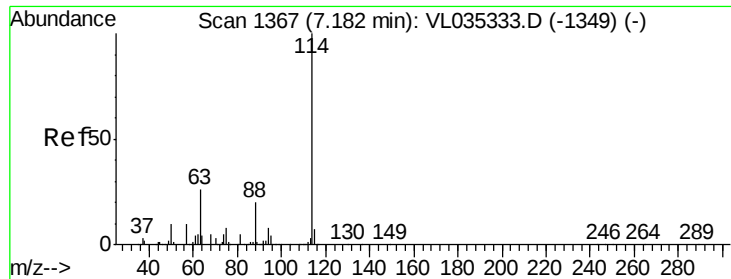
MMDadoda  
8/10/2020 10:43:31 AM



#32  
1,1,1-Trichloroethane  
Concen: 0.080 ppbv m  
RT: 6.50 min Scan# 1156  
Delta R.T. -0.01 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 0.0   | 52.2  | 78.4# |
| 61      | 60.4  | 40.9  | 61.3  |





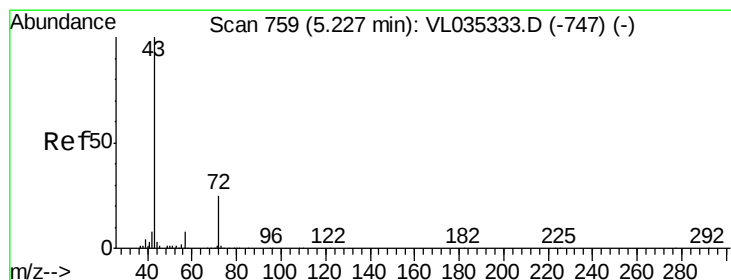
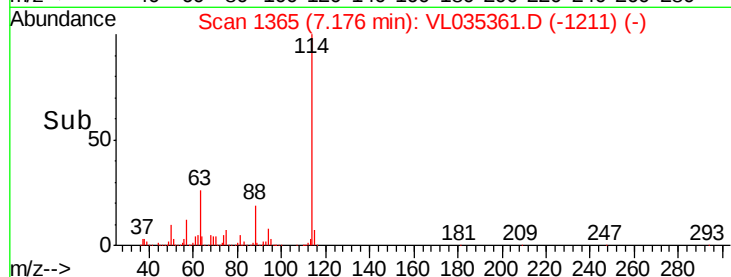
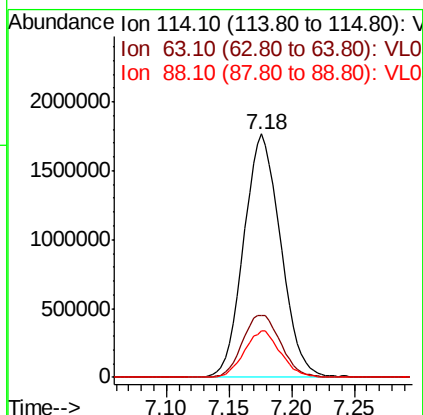
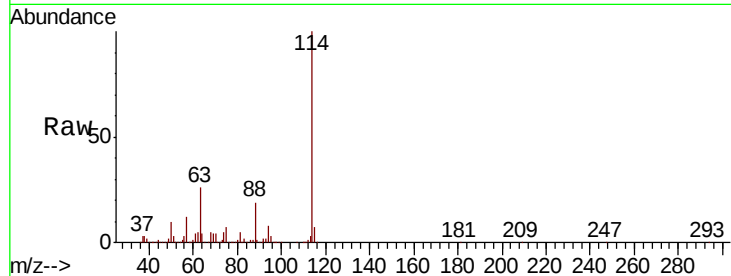
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min Scan# 1365  
 Delta R.T. -0.01 min  
 Lab File: VL035361.D  
 Acq: 6 Aug 2020 22:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 4-UNDER-GROUND

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 26.6  | 21.3  | 31.9  |
| 88      | 18.7  | 15.3  | 22.9  |

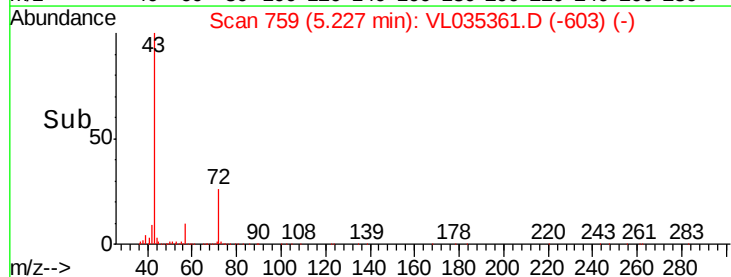
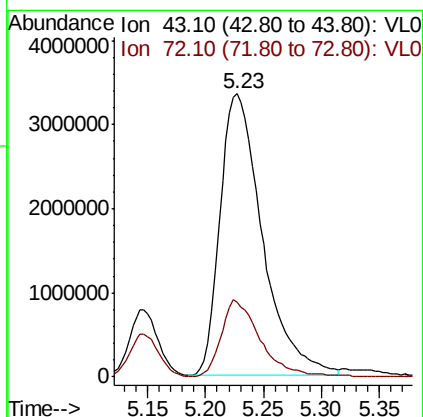
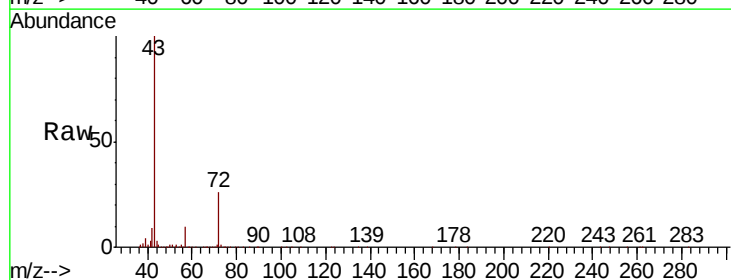
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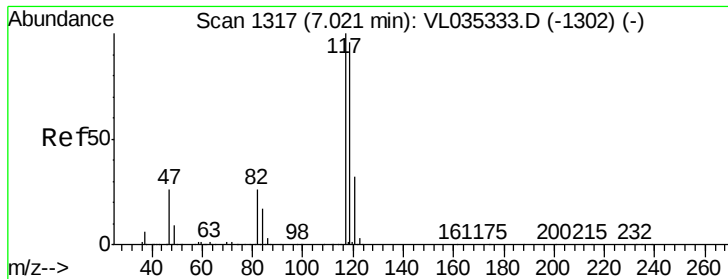
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#34  
 2-Butanone  
 Concen: 48.015 ppbv  
 RT: 5.23 min Scan# 759  
 Delta R.T. 0.00 min  
 Lab File: VL035361.D  
 Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 25.5  | 18.9  | 28.3  |





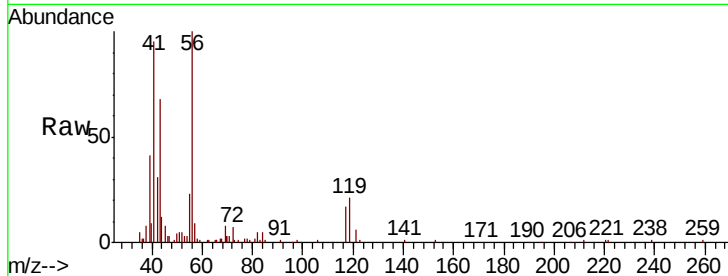
#35  
Carbon Tetrachloride  
Concen: 0.064 ppbv m  
RT: 7.02 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

Instrument :  
MSVOA\_L  
ClientSampleId :  
4-UNDER-GROUND

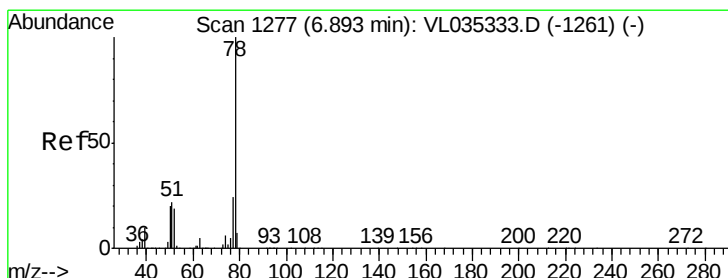
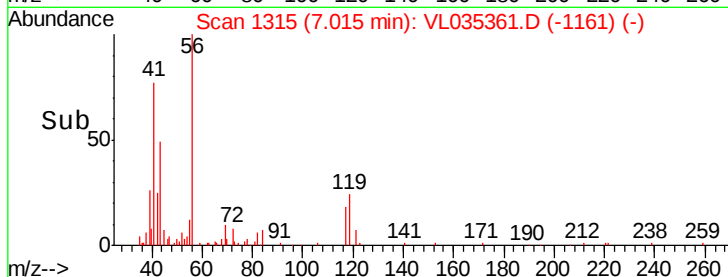
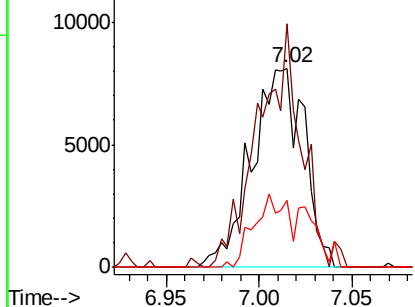
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 122.3 | 77.0  | 115.6# |
| 121     | 33.7  | 26.0  | 39.0   |

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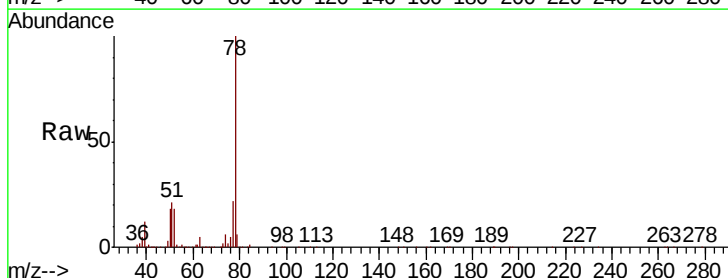


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V

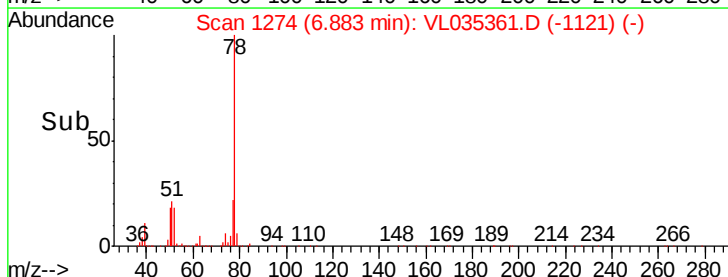
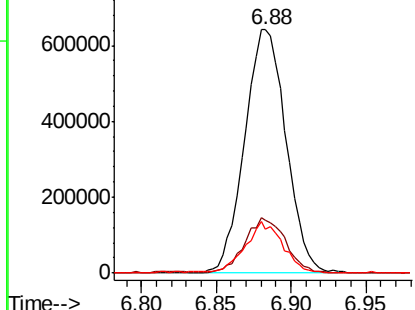


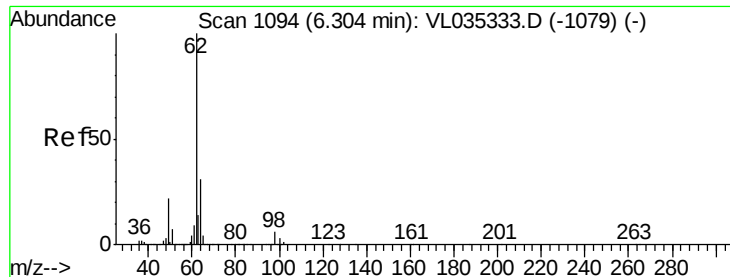
#36  
Benzene  
Concen: 5.052 ppbv  
RT: 6.88 min Scan# 1274  
Delta R.T. -0.01 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 21.8  | 19.3  | 28.9  |
| 50      | 17.7  | 16.3  | 24.5  |



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





#37

1,2-Dichloroethane

Concen: 0.120 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

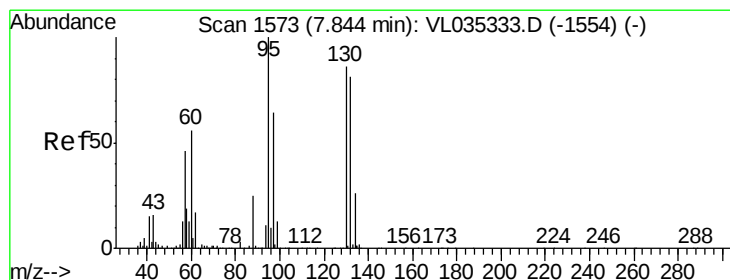
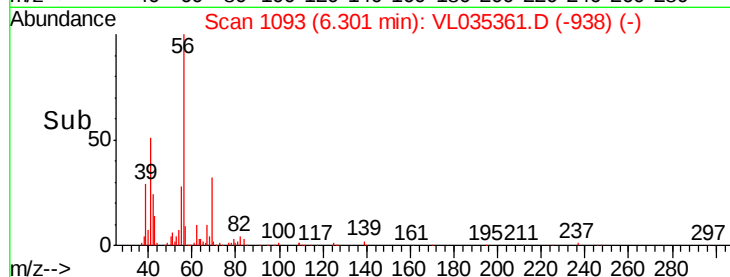
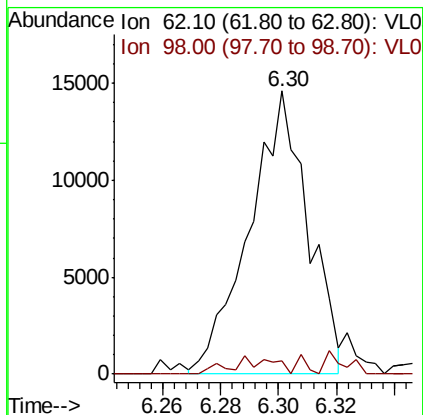
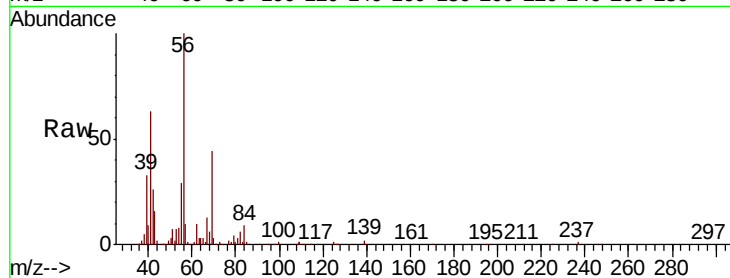
ClientSampleId :

4-UNDER-GROUND

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 0.0   | 4.6   | 7.0#  |

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#38

Trichloroethene

Concen: 0.045 ppbv m

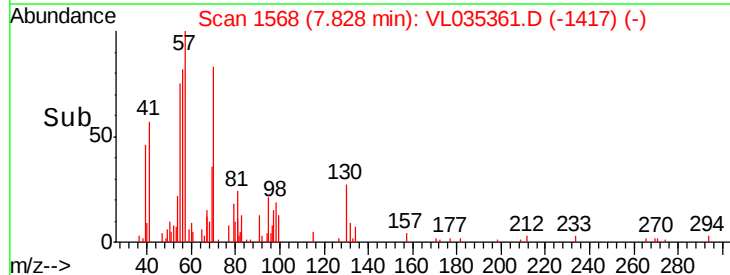
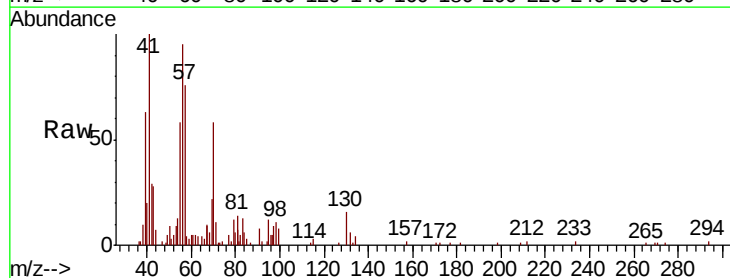
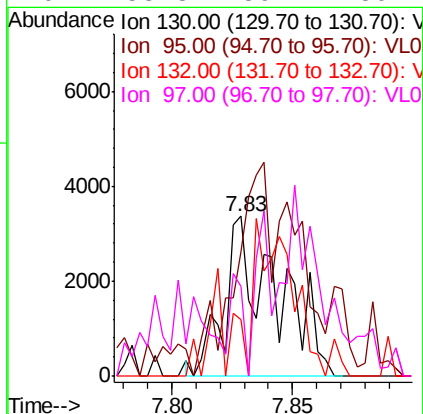
RT: 7.83 min Scan# 1568

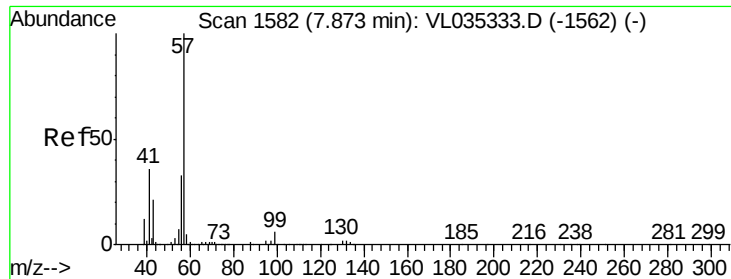
Delta R.T. -0.02 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 130     | 100   |       |        |
| 95      | 78.1  | 93.4  | 140.2# |
| 132     | 35.2  | 76.1  | 114.1# |
| 97      | 55.8  | 59.4  | 89.2#  |





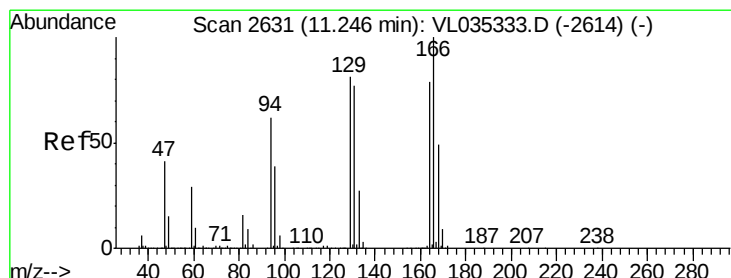
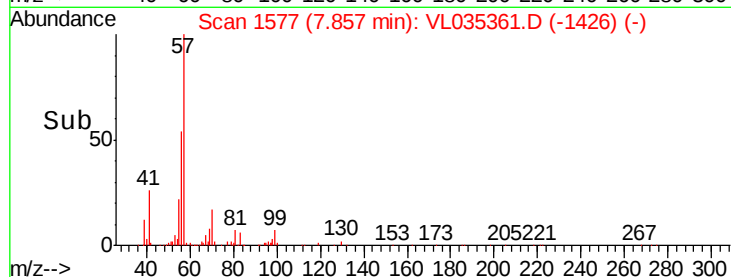
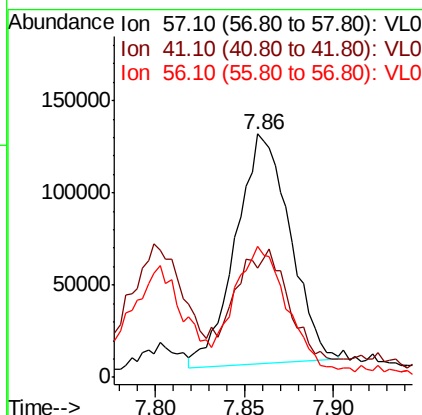
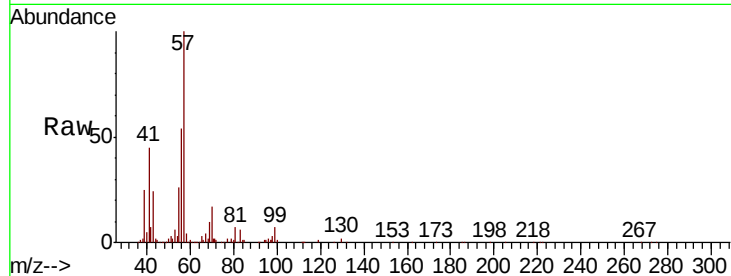
#44  
 2,2,4-Trimethylpentane  
 Concen: 0.608 ppbv  
 RT: 7.86 min Scan# 1577  
 Delta R.T. -0.02 min  
 Lab File: VL035361.D  
 Acq: 6 Aug 2020 22:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 4-UNDER-GROUND

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 51.4  | 27.9  | 41.9# |
| 56      | 56.5  | 25.4  | 38.0# |

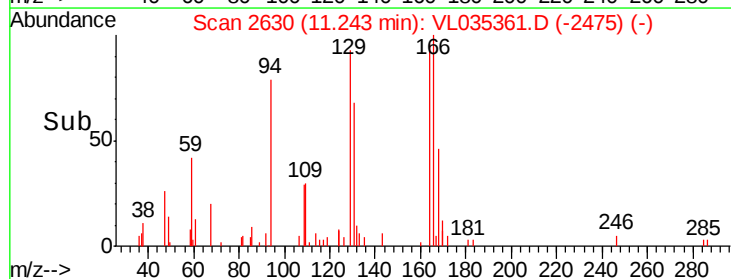
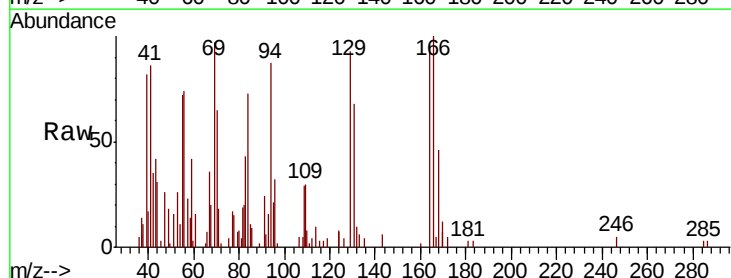
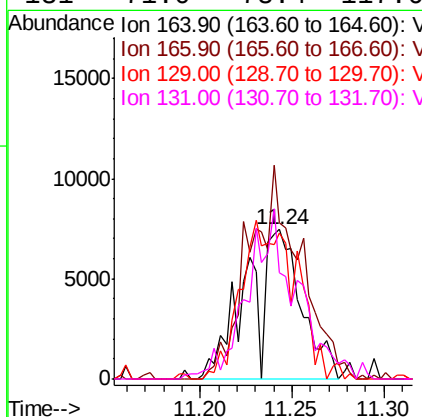
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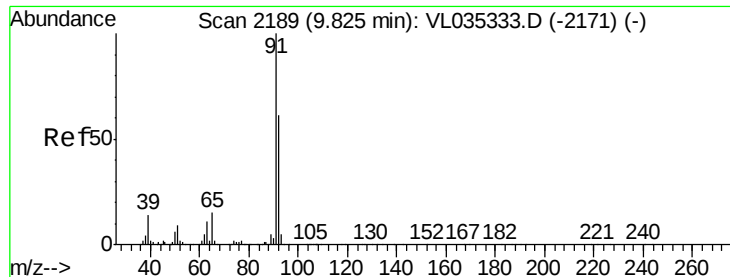
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#52  
 Tetrachloroethene  
 Concen: 0.158 ppbv m  
 RT: 11.24 min Scan# 2630  
 Delta R.T. -0.00 min  
 Lab File: VL035361.D  
 Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 166     | 104.5 | 101.4 | 152.0  |
| 129     | 97.7  | 82.1  | 123.1  |
| 131     | 71.0  | 78.4  | 117.6# |





#53

Toluene

Concen: 3.344 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

ClientSampleId :

4-UNDER-GROUND

Tot Ion: 91 Resp: 890780

Ion Ratio Lower Upper

91 100

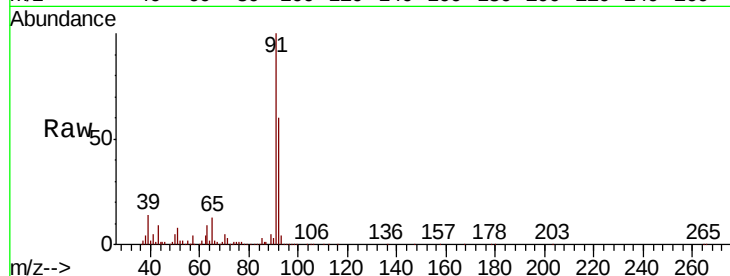
92 59.3 48.5 72.7

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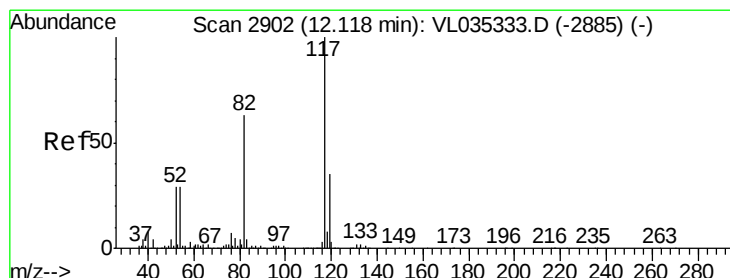
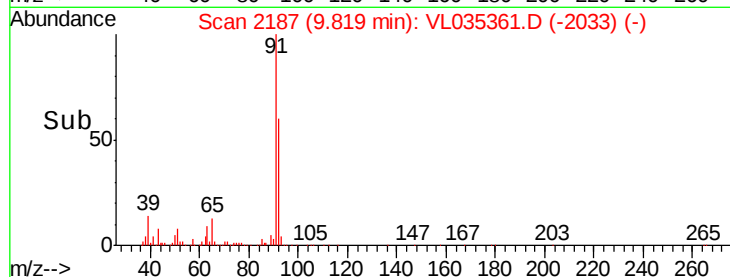
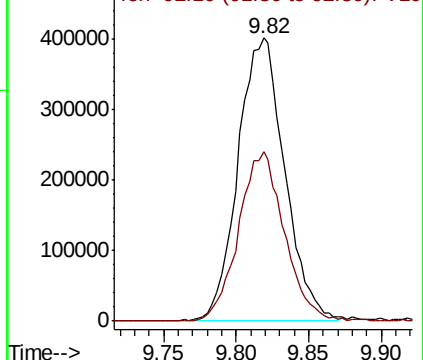
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.05 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

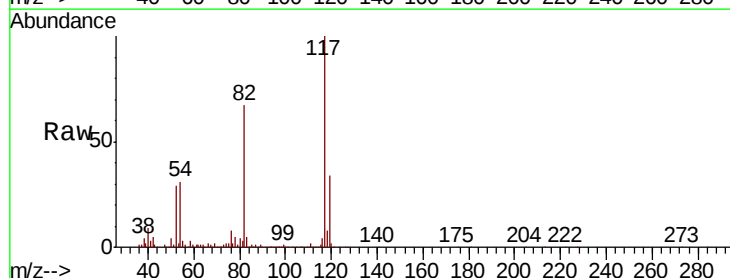
Tgt Ion: 117 Resp: 3557713

Ion Ratio Lower Upper

117 100

82 71.2 51.0 76.4

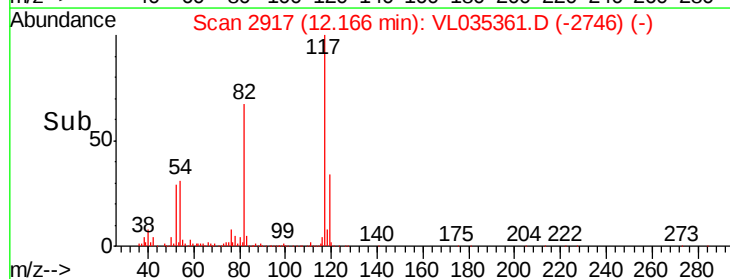
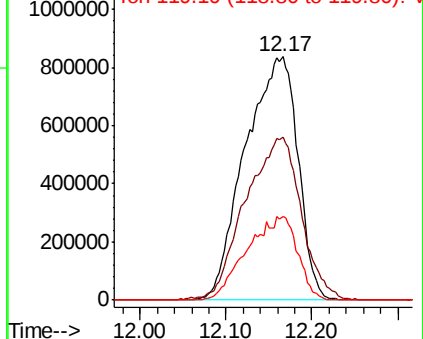
119 33.1 24.7 37.1

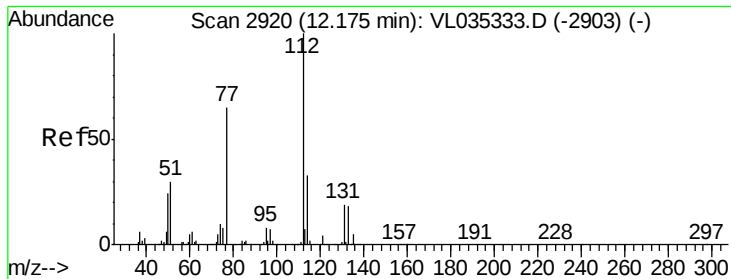


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#57

Chlorobenzene

Concen: 0.276 ppbv m

RT: 12.20 min Scan# 2929

Delta R.T. 0.03 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

Instrument :

MSVOA\_L

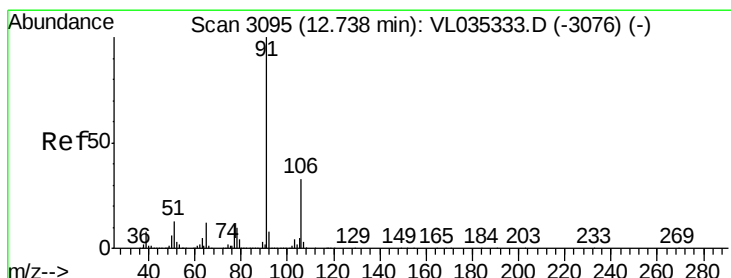
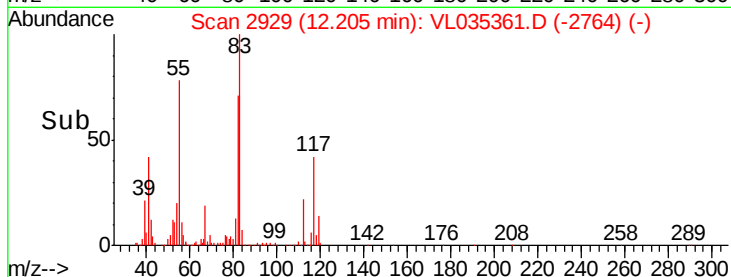
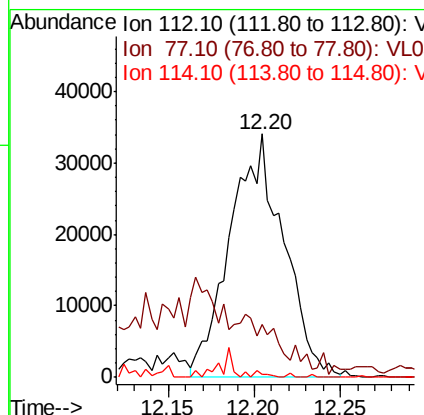
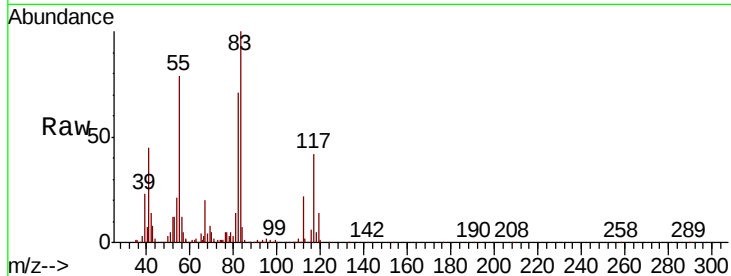
ClientSampleId :

4-UNDER-GROUND

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 77      | 21.7  | 53.3  | 79.9# |
| 114     | 1.3   | 29.8  | 36.4# |

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#58

Ethyl Benzene

Concen: 0.227 ppbv m

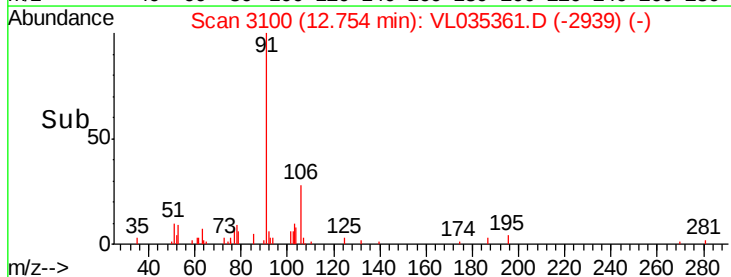
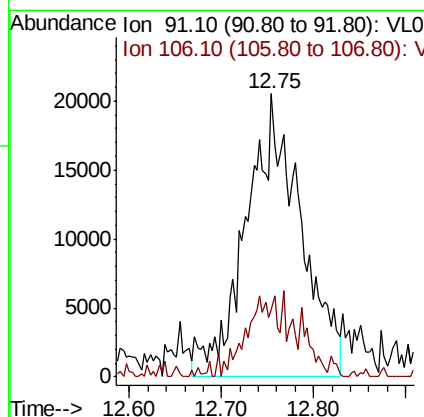
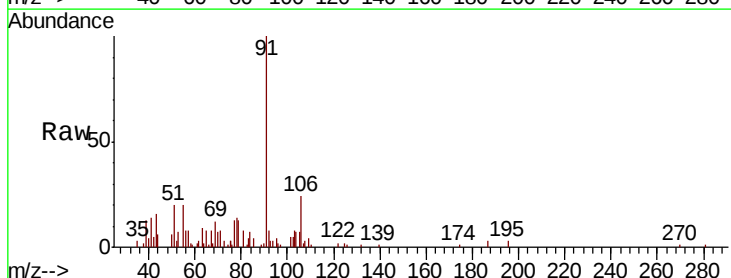
RT: 12.75 min Scan# 3100

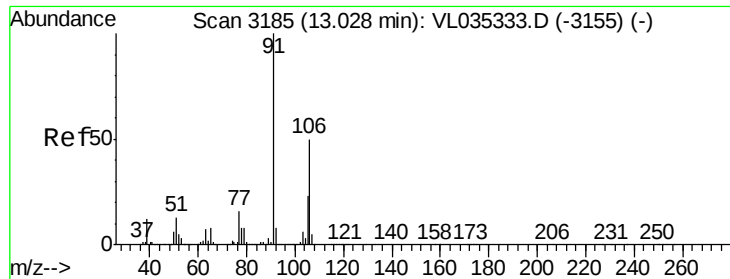
Delta R.T. 0.02 min

Lab File: VL035361.D

Acq: 6 Aug 2020 22:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 23.7  | 26.8  | 40.2# |





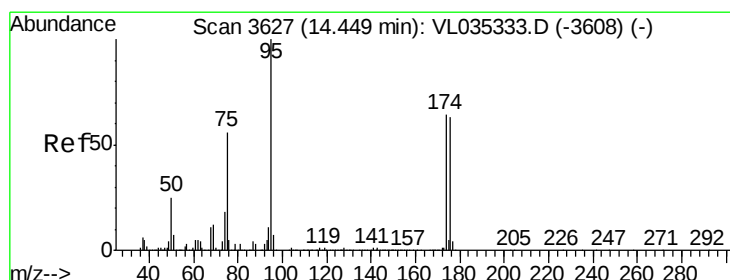
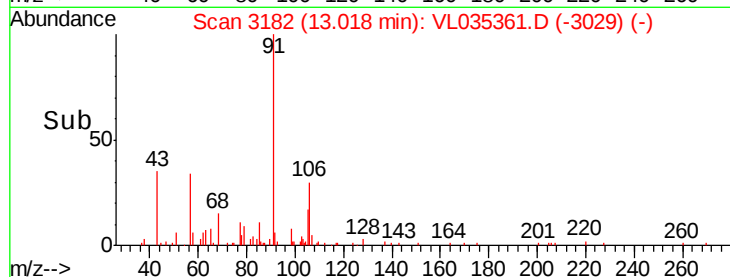
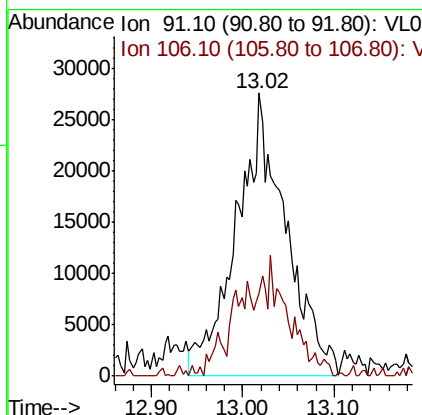
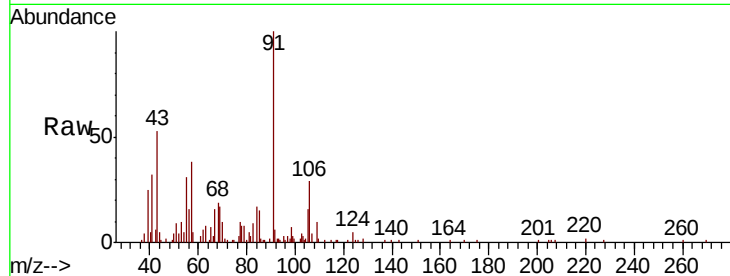
#59  
m/p-Xylene  
Concen: 0.300 ppbv m  
RT: 13.02 min Scan# 3182  
Delta R.T. -0.01 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

Instrument :  
MSVOA\_L  
ClientSampleId :  
4-UNDER-GROUND

Tot Ion: 91 Resp: 103354  
Ion Ratio Lower Upper  
91 100  
106 0.0 37.8 56.8#

Manual Integrations  
APPROVED

MMDadoda  
8/10/2020 10:43:31 AM



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.676 ppbv  
RT: 14.48 min Scan# 3636  
Delta R.T. 0.03 min  
Lab File: VL035361.D  
Acq: 6 Aug 2020 22:29

Tgt Ion: 95 Resp: 2870802  
Ion Ratio Lower Upper  
95 100  
174 68.1 53.5 80.3  
175 5.0 4.2 6.2

