

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL102521\  
 Data File : VL037905.D  
 Acq On : 25 Oct 2021 22:23  
 Operator : SY/AP  
 Sample : M4068-15 0.45  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT4-2021

Quant Time: Oct 25 23:53:55 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 04 17:43:54 2021  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1423144  | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 4253123  | 10.00 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 3606572  | 10.00 | ppbv  | 0.01     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 2580090  | 10.23    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.30% |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 3.06 | 85  | 119828 | 0.527 ppbv   | 95     |
| 3) Chlorodifluoromethane       | 3.00 | 51  | 131115 | 0.479 ppbv   | 97     |
| 4) Chloromethane               | 3.16 | 50  | 48393  | 0.483 ppbv   | 99     |
| 5) Vinyl Chloride              | 3.28 | 62  | 43210  | 0.471 ppbv   | 97     |
| 6) Bromomethane                | 3.49 | 94  | 12985  | 0.261 ppbv   | 96     |
| 7) Chloroethane                | 3.57 | 64  | 9436   | 0.280 ppbv # | 83     |
| 8) Dichlorotetrafluoroethane   | 3.20 | 85  | 118780 | 0.529 ppbv   | 95     |
| 9) Propene                     | 3.02 | 41  | 21253  | 0.211 ppbv # | 16     |
| 10) Heptane                    | 8.15 | 43  | 25983  | 0.114 ppbv # | 1      |
| 11) Trichlorofluoromethane     | 3.96 | 101 | 92538  | 0.456 ppbv   | 86     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.50 | 101 | 66814  | 0.435 ppbv   | 87     |
| 13) Ethanol                    | 3.63 | 45  | 1409   | 0.171 ppbv # | 27     |
| 14) Bromoethene                | 3.76 | 108 | 28020  | 0.415 ppbv # | 89     |
| 15) Acetone                    | 3.89 | 43  | 36197  | 0.283 ppbv # | 52     |
| 16) 1,3-Butadiene              | 3.35 | 39  | 21242  | 0.229 ppbv # | 15     |
| 18) 1,1-Dichloroethene         | 4.30 | 96  | 28659  | 0.410 ppbv # | 79     |
| 20) Methylene Chloride         | 4.36 | 84  | 36273  | 0.562 ppbv # | 89     |
| 21) Allyl Chloride             | 4.43 | 41  | 40900  | 0.361 ppbv # | 78     |
| 22) trans-1,2-Dichloroethene   | 4.90 | 96  | 17943  | 0.256 ppbv   | 91     |
| 23) Vinyl Acetate              | 5.07 | 43  | 13389  | 0.070 ppbv # | 91     |
| 24) 1,1-Dichloroethane         | 5.03 | 63  | 71071  | 0.510 ppbv   | 98     |
| 25) Ethyl Acetate              | 5.71 | 43  | 136643 | 0.381 ppbv # | 95     |
| 26) Hexane                     | 5.70 | 57  | 60088  | 0.340 ppbv # | 73     |
| 27) Carbon Disulfide           | 4.57 | 76  | 55677  | 0.356 ppbv   | 96     |
| 28) Methyl tert-Butyl Ether    | 5.07 | 73  | 65095  | 0.443 ppbv   | 91     |
| 29) Chloroform                 | 5.77 | 83  | 114641 | 0.454 ppbv   | 97     |
| 30) Cyclohexane                | 7.16 | 84  | 36468  | 0.244 ppbv # | 14     |
| 31) cis-1,2-Dichloroethene     | 5.57 | 61  | 53304  | 0.333 ppbv   | 94     |
| 32) 1,1,1-Trichloroethane      | 6.53 | 97  | 102357 | 0.428 ppbv   | 94     |
| 34) 2-Butanone                 | 5.28 | 43  | 24380  | 0.142 ppbv # | 18     |
| 35) Carbon Tetrachloride       | 7.03 | 117 | 105524 | 0.437 ppbv # | 93     |
| 36) Benzene                    | 6.91 | 78  | 121606 | 0.335 ppbv # | 92     |
| 37) 1,2-Dichloroethane         | 6.32 | 62  | 26651  | 0.156 ppbv # | 61     |
| 38) Trichloroethene            | 7.85 | 130 | 52023  | 0.362 ppbv   | 96     |
| 39) 1,2-Dichloropropane        | 7.63 | 63  | 25530  | 0.187 ppbv # | 82     |
| 42) Bromodichloromethane       | 7.81 | 83  | 56629  | 0.225 ppbv   | 87     |
| 43) Methyl Methacrylate        | 8.05 | 69  | 27947  | 0.236 ppbv   | 83     |
| 44) 2,2,4-Trimethylpentane     | 7.89 | 57  | 215166 | 0.353 ppbv # | 88     |
| 45) t-1,3-Dichloropropene      | 9.30 | 75  | 9086   | 0.111 ppbv   | 93     |
| 46) cis-1,3-Dichloropropene    | 8.73 | 75  | 14274  | 0.126 ppbv # | 83     |
| 47) 1,1,2-Trichloroethane      | 9.49 | 97  | 41050  | 0.276 ppbv   | 92     |

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 ClientSampleId :  
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Quant Time: Oct 25 23:53:55 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 04 17:43:54 2021  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

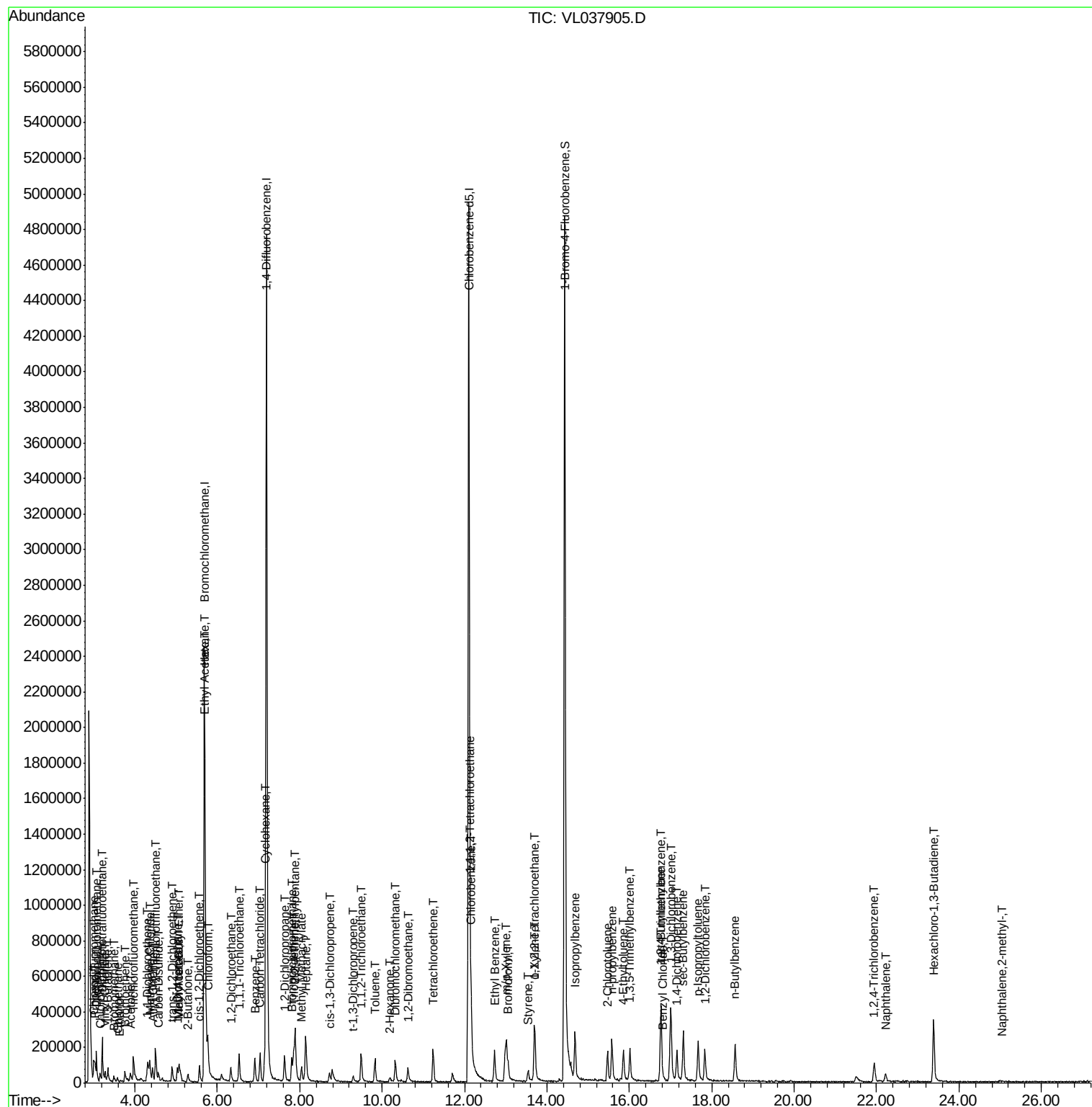
| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 48) Dibromochloromethane      | 10.33 | 129  | 74625    | 0.352 | ppbv   | 94       |
| 49) Bromoform                 | 13.06 | 173  | 50717    | 0.313 | ppbv # | 84       |
| 51) 2-Hexanone                | 10.19 | 43   | 11178    | 0.112 | ppbv # | 29       |
| 52) Tetrachloroethene         | 11.24 | 164  | 24068    | 0.170 | ppbv   | 91       |
| 53) Toluene                   | 9.82  | 91   | 100676   | 0.250 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 10.63 | 107  | 65592    | 0.327 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 12.15 | 131  | 27081    | 0.181 | ppbv # | 1        |
| 57) Chlorobenzene             | 12.16 | 112  | 139829   | 0.473 | ppbv   | 91       |
| 58) Ethyl Benzene             | 12.73 | 91   | 140356   | 0.290 | ppbv   | 94       |
| 59) m/p-Xylene                | 13.01 | 91   | 192265   | 0.462 | ppbv # | 66       |
| 60) o-Xylene                  | 13.71 | 91   | 120353   | 0.302 | ppbv   | 94       |
| 61) Styrene                   | 13.55 | 104  | 26651    | 0.138 | ppbv # | 48       |
| 62) Isopropylbenzene          | 14.68 | 105  | 124020   | 0.223 | ppbv # | 48       |
| 63) 1,1,2,2-Tetrachloroethane | 13.69 | 83   | 132960   | 0.432 | ppbv   | 95       |
| 64) n-propylbenzene           | 15.58 | 120  | 47214    | 0.341 | ppbv   | 75       |
| 65) tert-Butylbenzene         | 16.76 | 119  | 170660   | 0.349 | ppbv   | 90       |
| 66) Benzyl Chloride           | 16.83 | 91   | 1761     | 0.073 | ppbv # | 81       |
| 67) sec-Butylbenzene          | 17.31 | 105  | 239652   | 0.358 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.67 | 119  | 79280    | 0.147 | ppbv # | 32       |
| 70) n-Butylbenzene            | 18.57 | 91   | 153189   | 0.298 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.47 | 91   | 73621    | 0.188 | ppbv   | 65       |
| 72) 4-Ethyltoluene            | 15.86 | 105  | 129755   | 0.287 | ppbv # | 90       |
| 73) 1,3,5-Trimethylbenzene    | 16.01 | 105  | 135130   | 0.329 | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 16.78 | 105  | 79767    | 0.185 | ppbv   | 94       |
| 75) 1,3-Dichlorobenzene       | 17.01 | 146  | 67587    | 0.253 | ppbv # | 40       |
| 76) 1,4-Dichlorobenzene       | 17.15 | 146  | 25699    | 0.101 | ppbv # | 23       |
| 77) 1,2-Dichlorobenzene       | 17.83 | 146  | 65141    | 0.254 | ppbv # | 50       |
| 78) Hexachloro-1,3-Butadiene  | 23.39 | 225  | 60239    | 0.287 | ppbv # | 42       |
| 79) Naphthalene               | 22.22 | 128  | 25705    | 0.097 | ppbv # | 89       |
| 80) Naphthalene,2-methyl-     | 25.04 | 142  | 2242     | 0.032 | ppbv # | 1        |
| 81) 1,2,4-Trichlorobenzene    | 21.94 | 180  | 33658    | 0.199 | ppbv # | 45       |

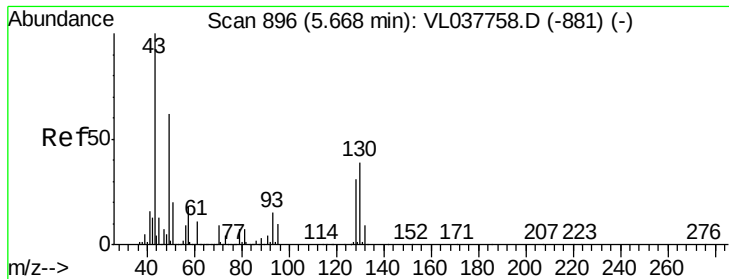
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL102521\  
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Instrument :  
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 MDL-AIR-03-QT4-2021

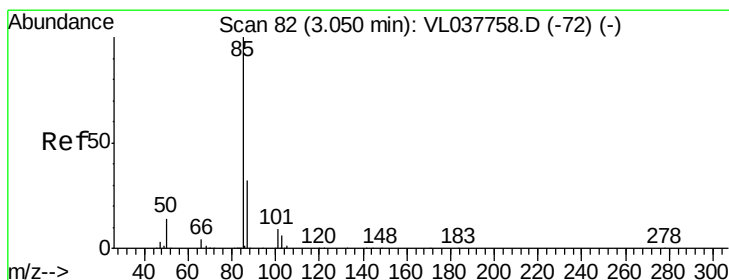
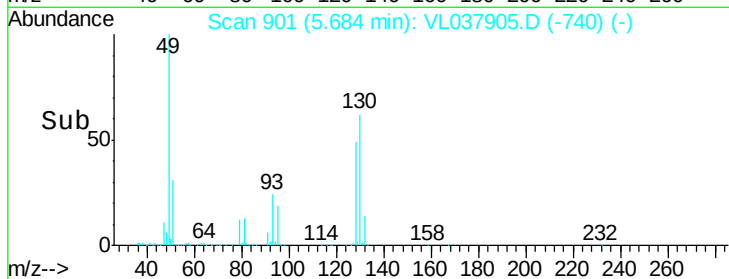
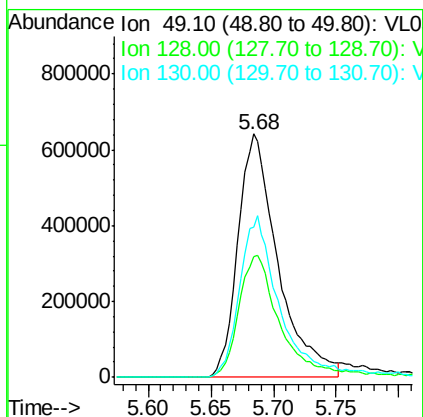
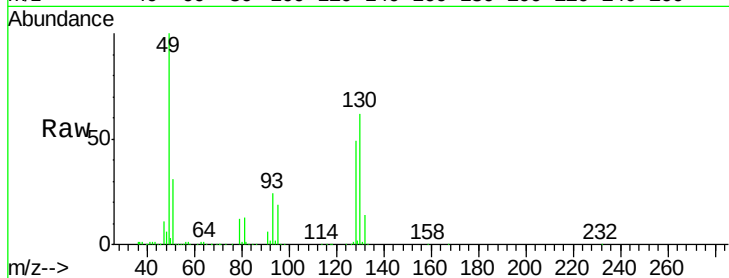
Quant Time: Oct 25 23:53:55 2021  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
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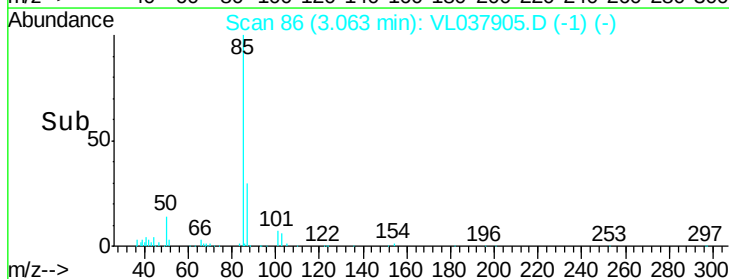
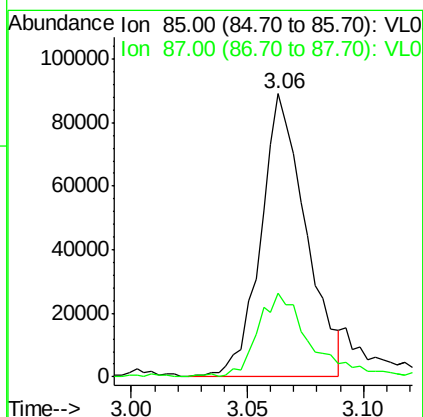
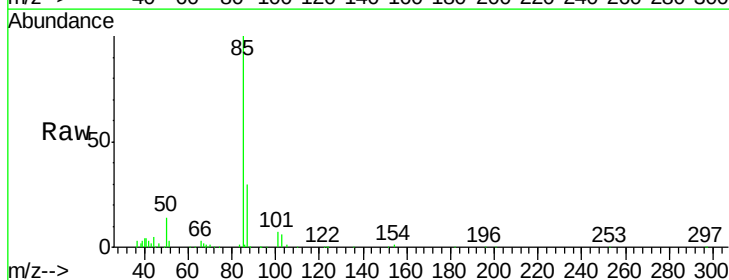
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.68  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 MDL-AIR-03-QT4-2021  
 Acq: 25 Oct 2021 22:23

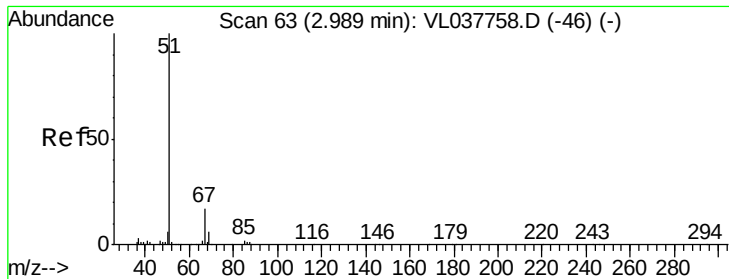
Tgt Ion: 49 Resp: 1423144  
 Ion Ratio Lower Upper  
 49 100  
 128 53.2 27.1 81.3  
 130 68.1 33.2 99.6



#2  
 Dichlorodifluoromethane  
 Concen: 0.527 ppbv  
 RT: 3.06 min Scan# 86  
 Delta R.T.: 0.01 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

Tgt Ion: 85 Resp: 119828  
 Ion Ratio Lower Upper  
 85 100  
 87 29.5 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.479 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

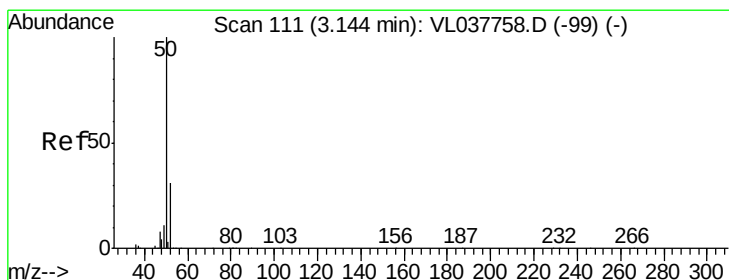
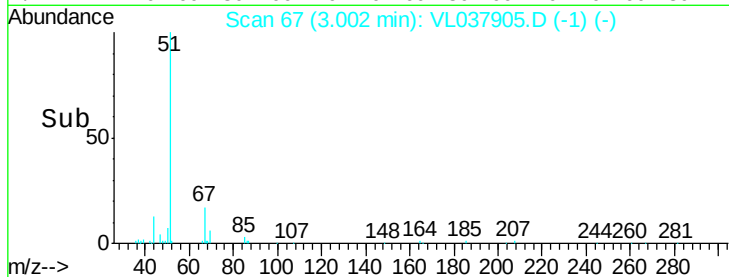
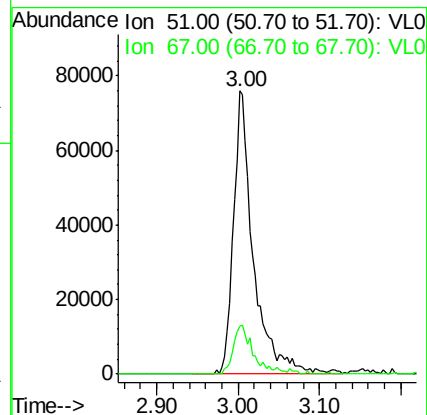
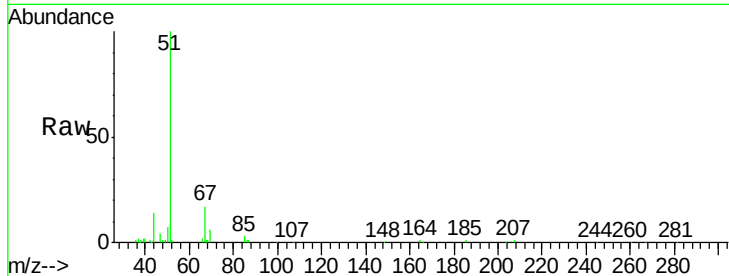
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tgt Ion: 51 Resp: 131115

Ion Ratio Lower Upper

51 100

67 18.1 13.5 20.3



#4

Chloromethane

Concen: 0.483 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL037905.D

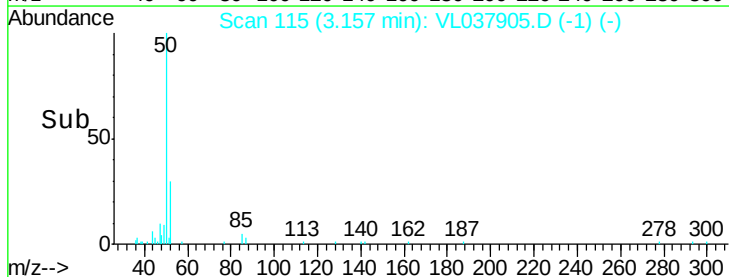
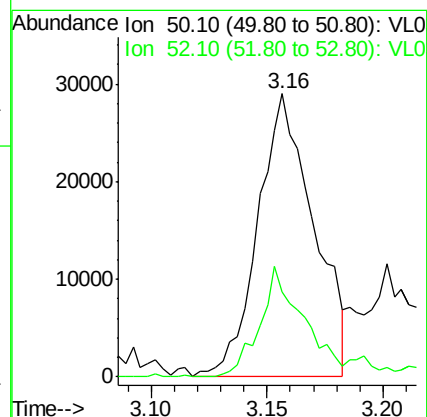
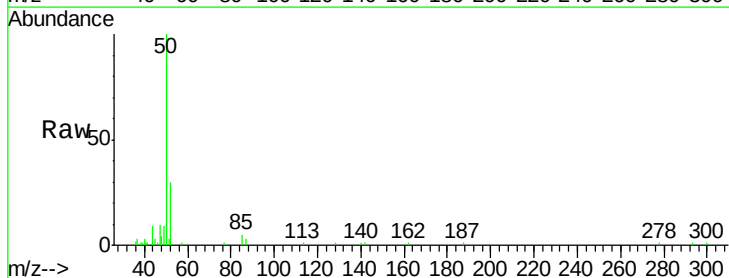
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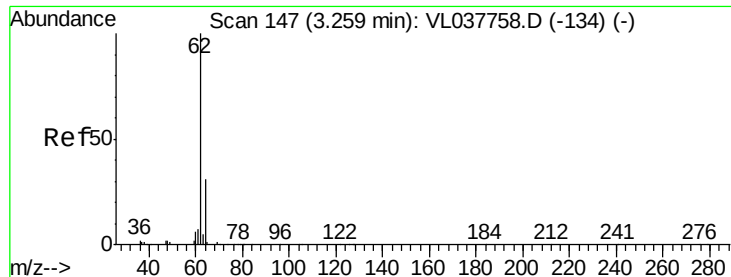
Tgt Ion: 50 Resp: 48393

Ion Ratio Lower Upper

50 100

52 29.9 24.4 36.6





#5

Vinyl Chloride

Concen: 0.471 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

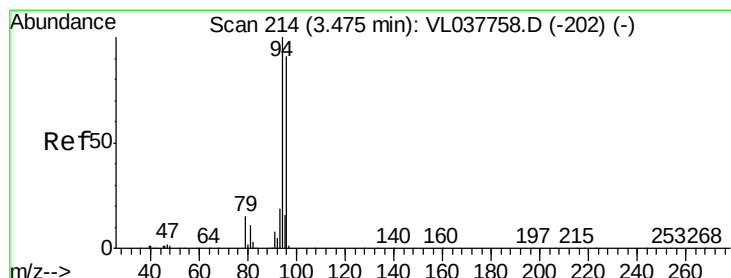
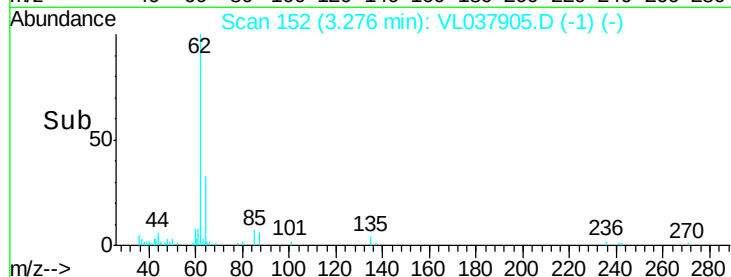
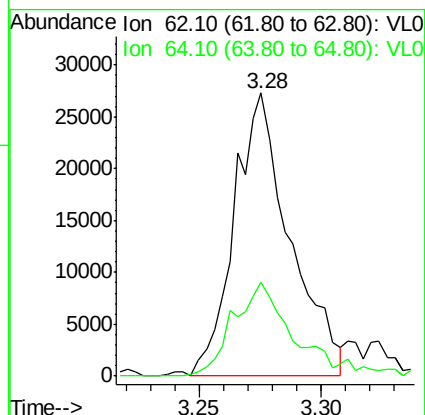
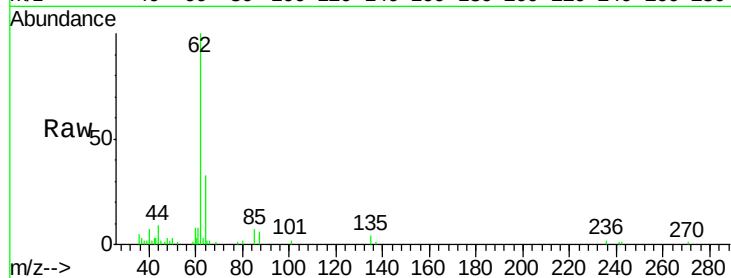
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 62 Resp: 43210

Ion Ratio Lower Upper

62 100

64 32.7 24.9 37.3



#6

Bromomethane

Concen: 0.261 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.02 min

Lab File: VL037905.D

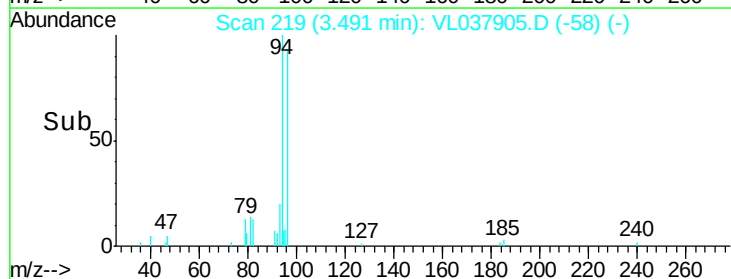
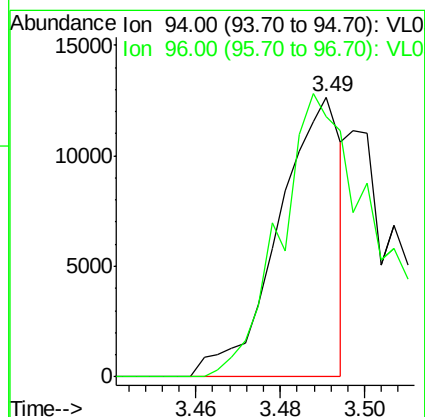
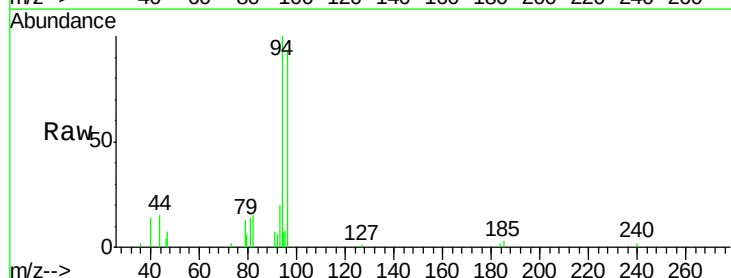
Acq: 25 Oct 2021 22:23

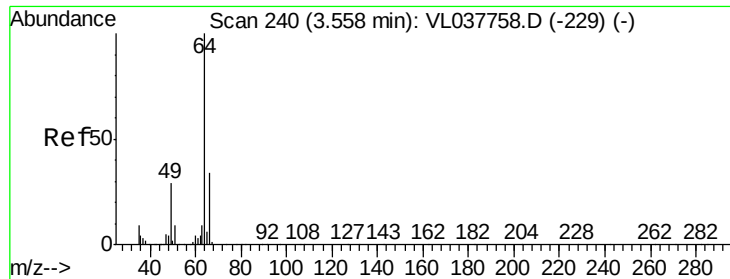
Tgt Ion: 94 Resp: 12985

Ion Ratio Lower Upper

94 100

96 86.9 72.5 108.7





#7

Chloroethane

Concen: 0.280 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

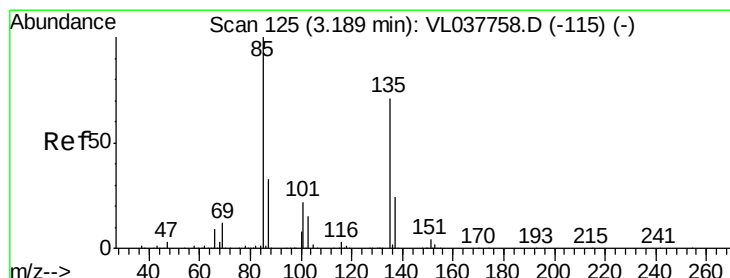
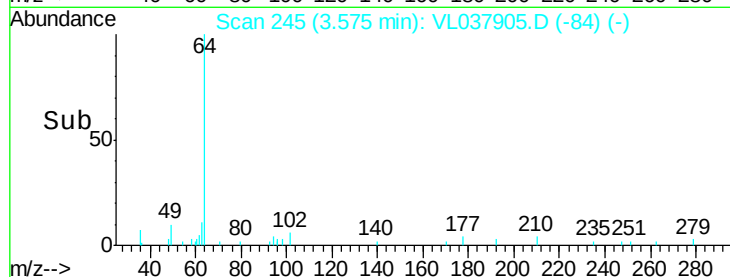
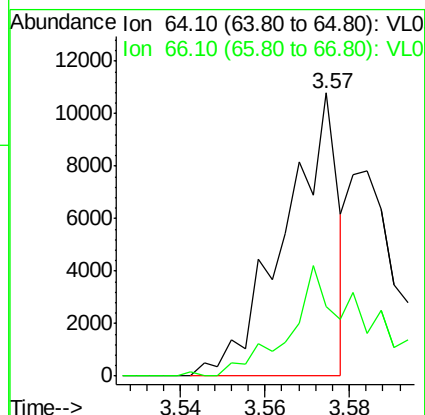
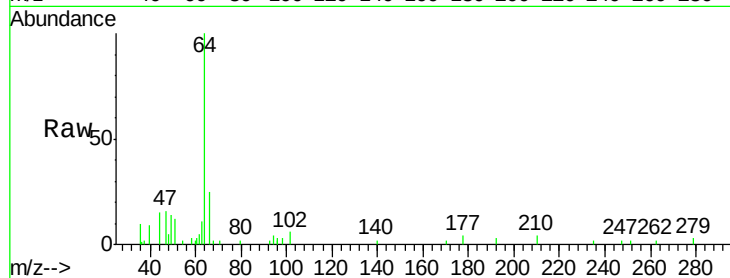
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 64 Resp: 9436

Ion Ratio Lower Upper

64 100

66 24.7 27.5 41.3#



#8

Dichlorotetrafluoroethane

Concen: 0.529 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL037905.D

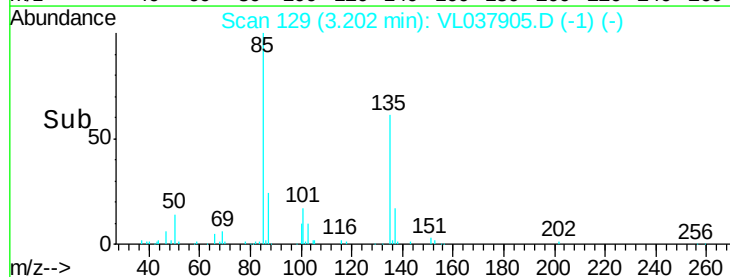
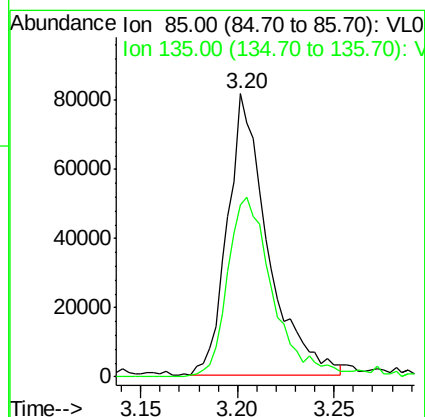
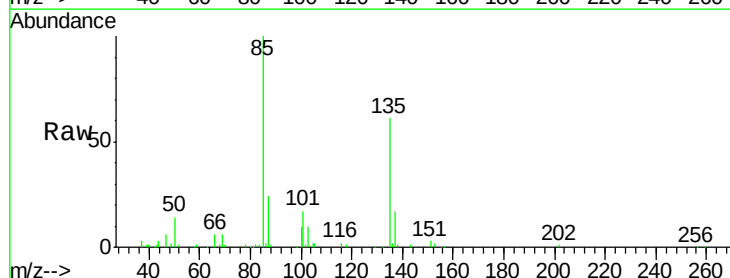
Acq: 25 Oct 2021 22:23

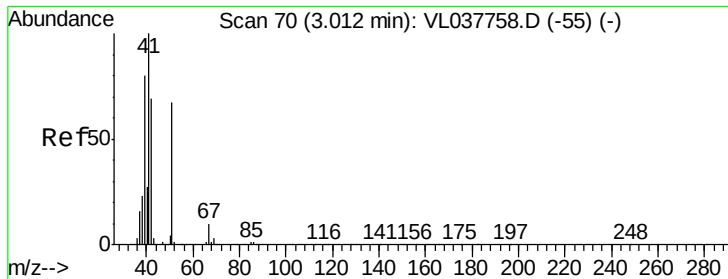
Tgt Ion: 85 Resp: 118780

Ion Ratio Lower Upper

85 100

135 70.3 59.5 89.3





#9

Propene

Concen: 0.211 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

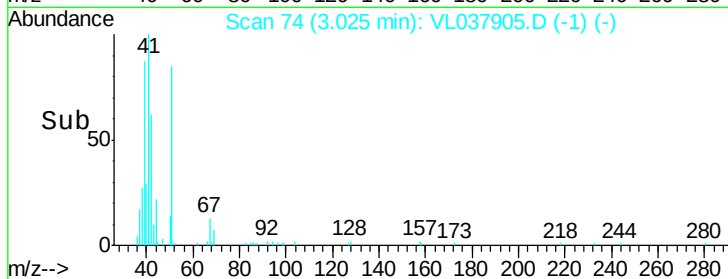
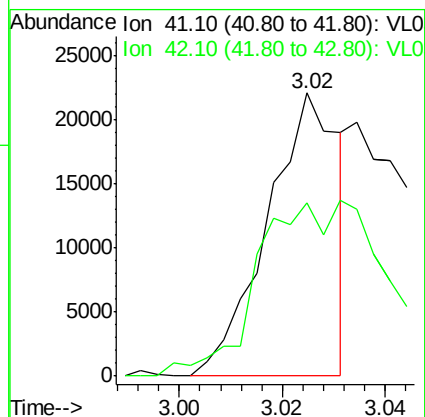
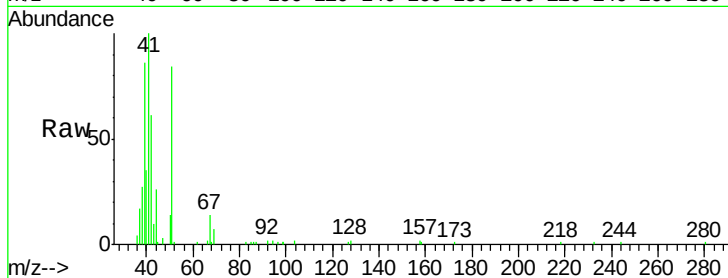
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tgt Ion: 41 Resp: 21253

Ion Ratio Lower Upper

41 100

42 0.0 54.2 81.2#



#10

Heptane

Concen: 0.114 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.03 min

Lab File: VL037905.D

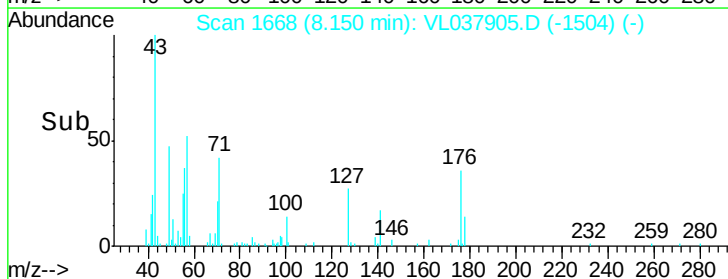
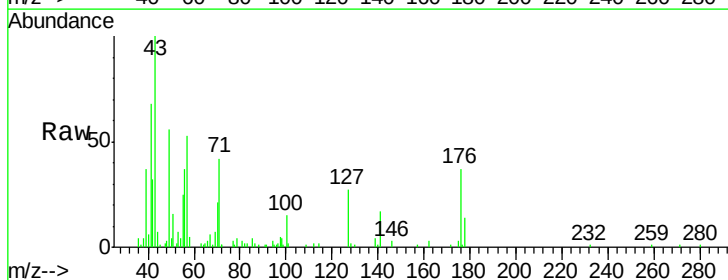
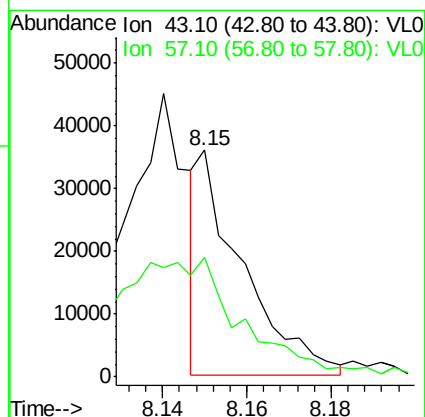
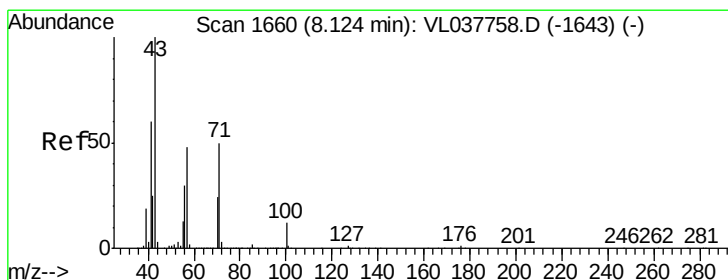
Acq: 25 Oct 2021 22:23

Tgt Ion: 43 Resp: 25983

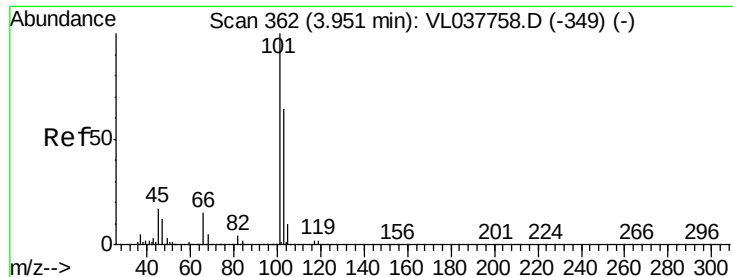
Ion Ratio Lower Upper

43 100

57 162.7 40.0 60.0#

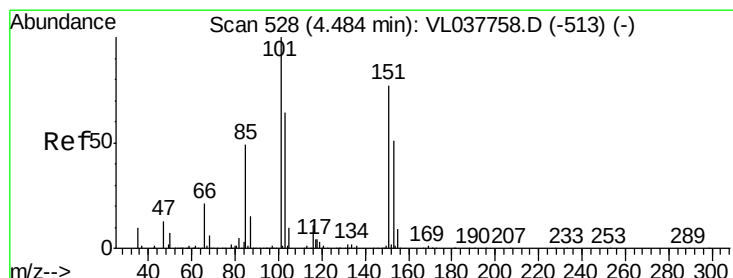
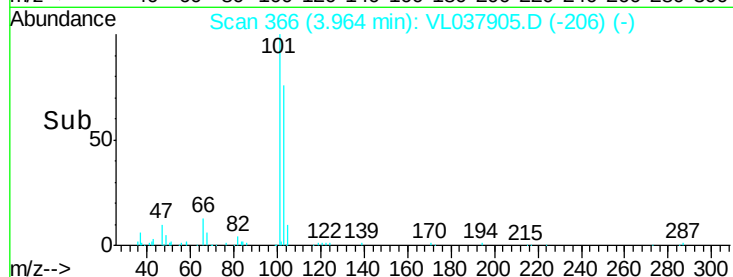
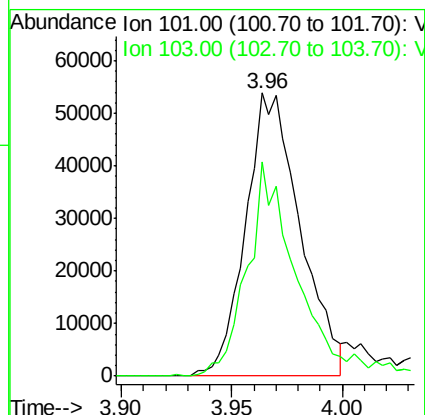
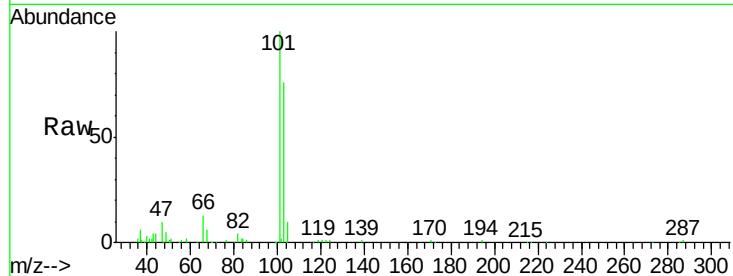






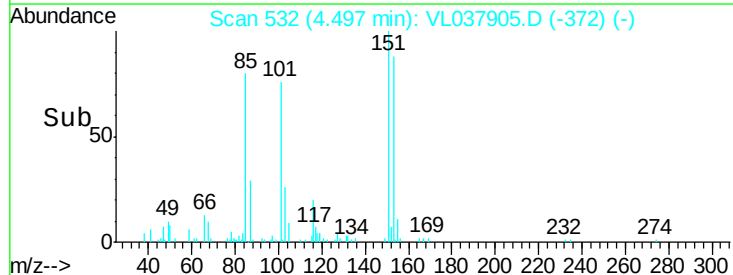
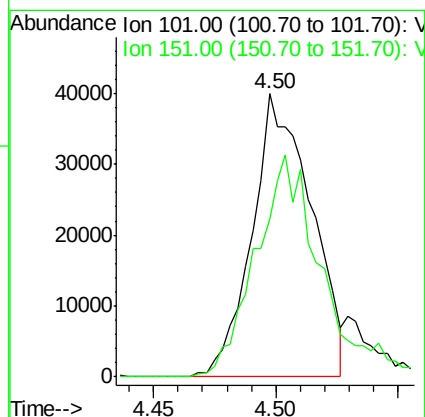
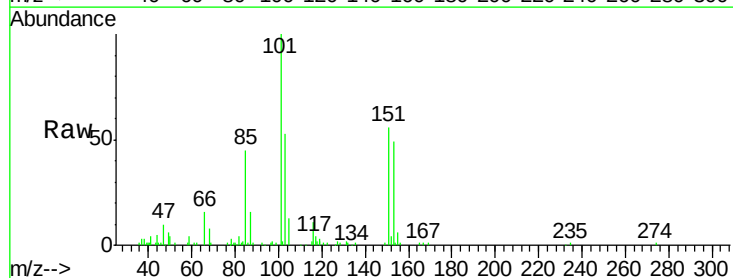
#11  
 Trichlorofluoromethane  
 Concen: 0.456 ppbv  
 RT: 3.96 Instrument : MSVOA\_1  
 Delta R.T. :  
 Lab File: ClientSampleId :  
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

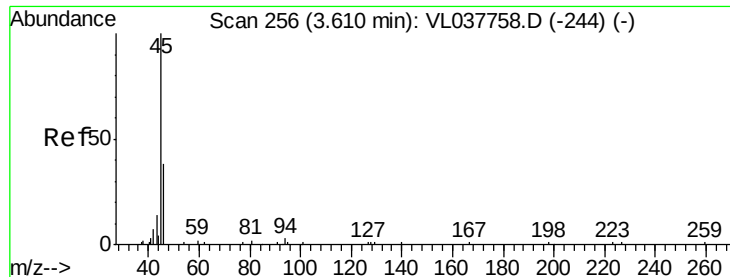
Tgt Ion:101 Resp: 92538  
 Ion Ratio Lower Upper  
 101 100  
 103 75.7 51.5 77.3



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.435 ppbv  
 RT: 4.50 min Scan# 532  
 Delta R.T. 0.01 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

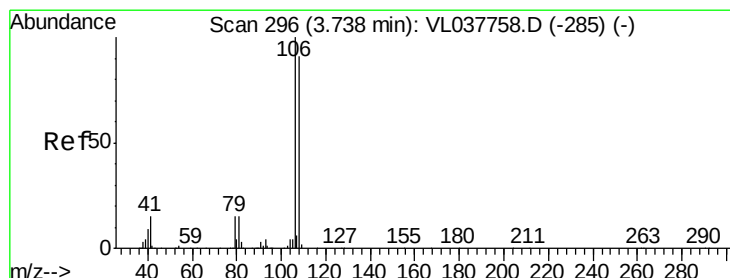
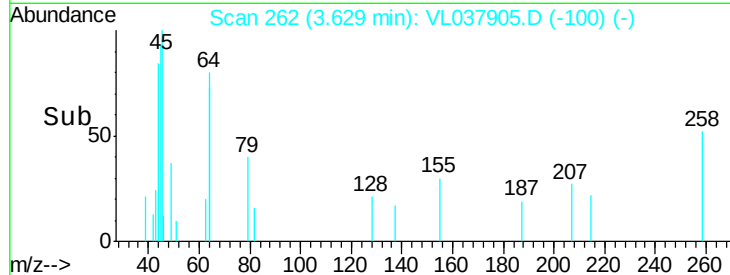
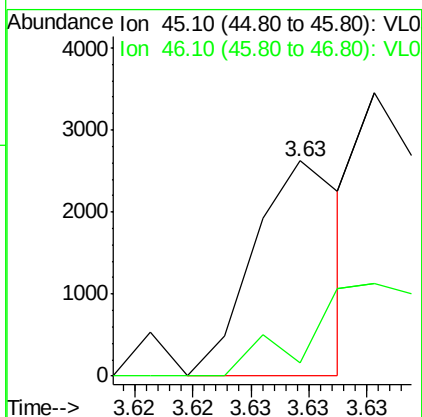
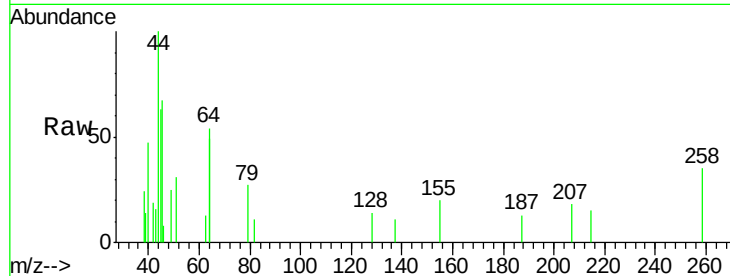
Tgt Ion:101 Resp: 66814  
 Ion Ratio Lower Upper  
 101 100  
 151 90.3 62.9 94.3





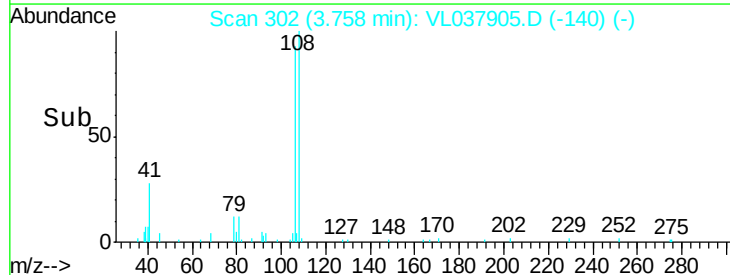
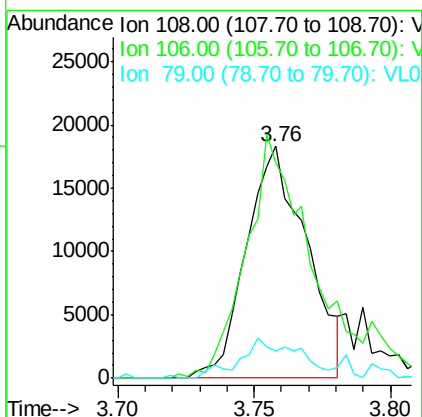
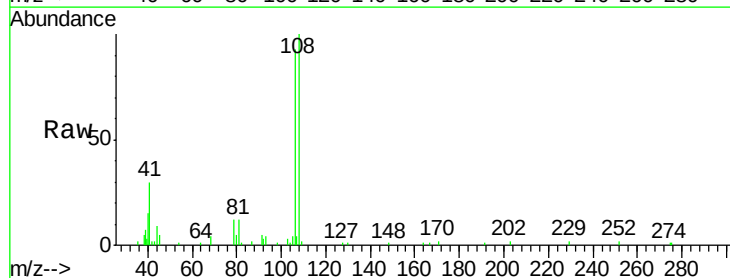
#13  
 Ethanol  
 Concen: 0.171 ppbv  
 RT: 3.63  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

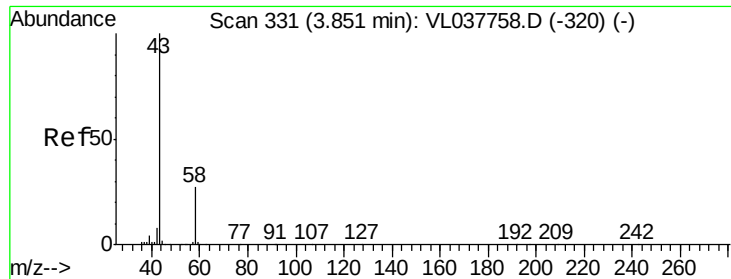
Tgt Ion: 45 Resp: 1409  
 Ion Ratio Lower Upper  
 45 100  
 46 0.0 20.2 81.0#



#14  
 Bromoethene  
 Concen: 0.415 ppbv  
 RT: 3.76 min Scan# 302  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

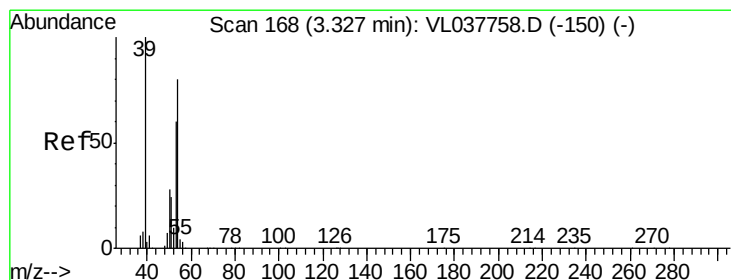
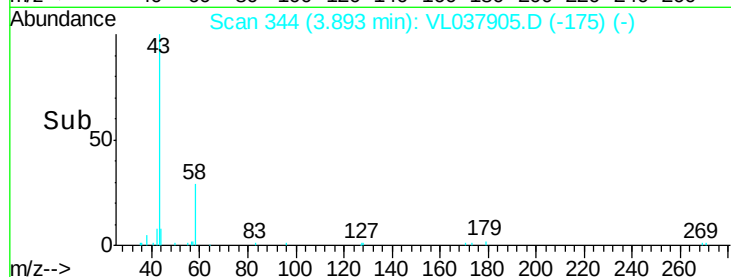
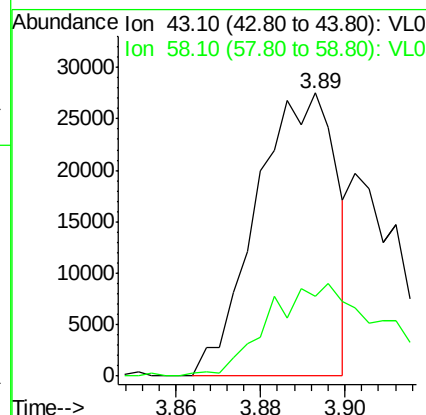
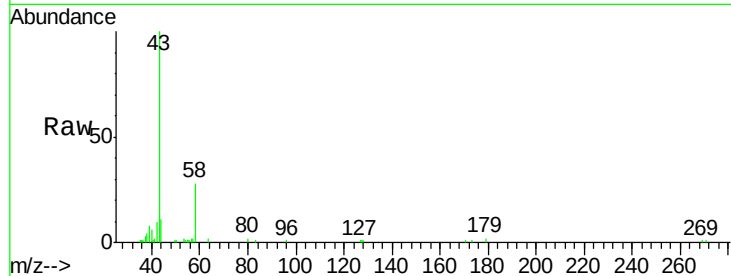
Tgt Ion: 108 Resp: 28020  
 Ion Ratio Lower Upper  
 108 100  
 106 127.6 91.9 137.9  
 79 21.7 13.9 20.9#





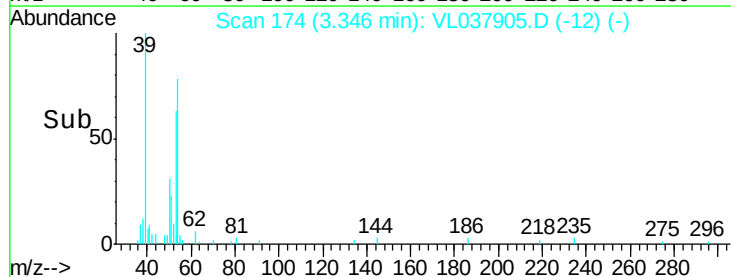
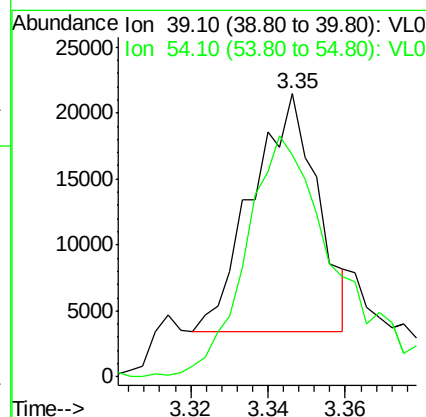
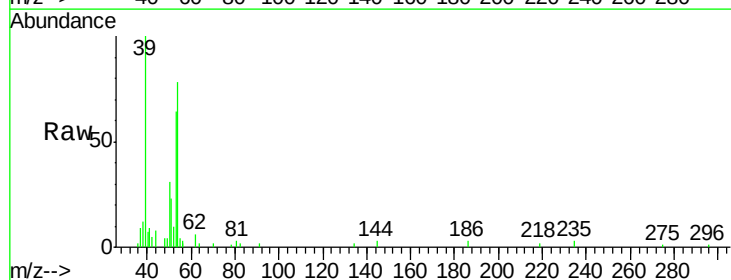
#15  
Acetone  
Concen: 0.283 ppbv  
RT: 3.89  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 22:23

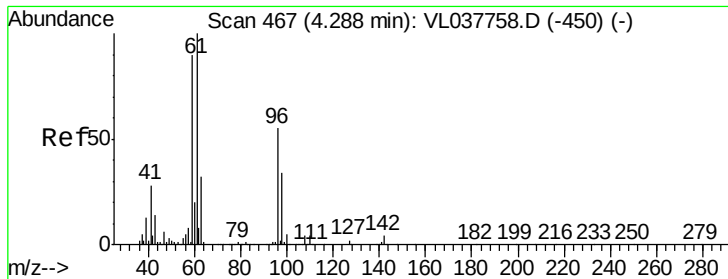
Tgt Ion: 43 Resp: 36197  
Ion Ratio Lower Upper  
43 100  
58 54.4 23.0 34.6#



#16  
1,3-Butadiene  
Concen: 0.229 ppbv  
RT: 3.35 min Scan# 174  
Delta R.T. 0.02 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

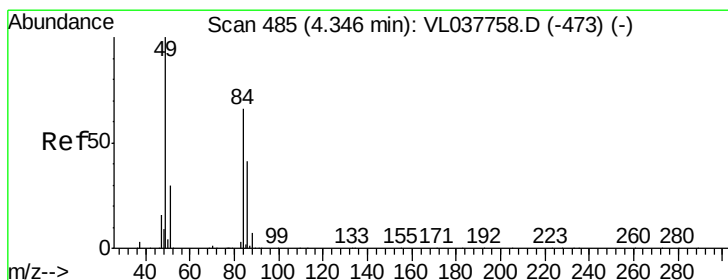
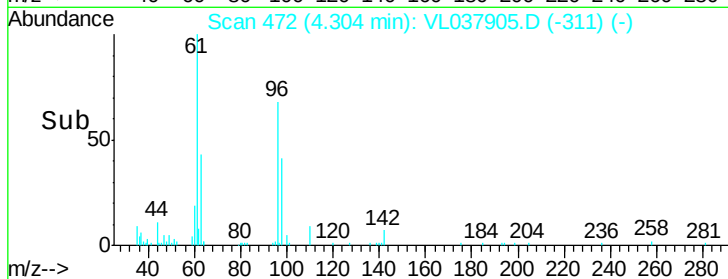
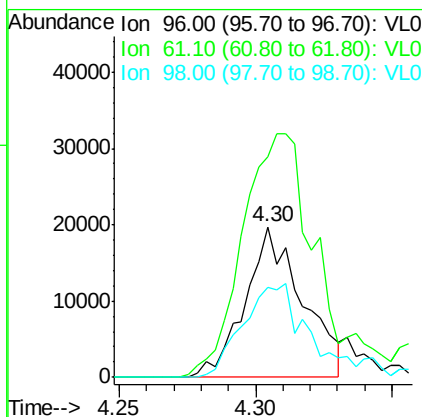
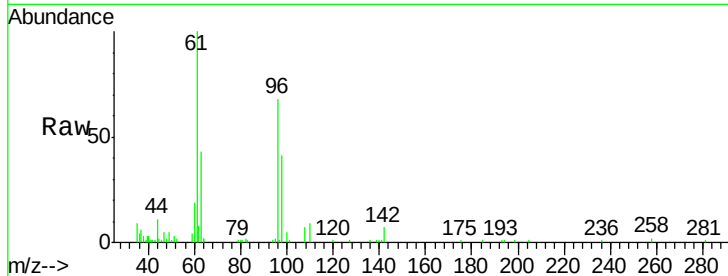
Tgt Ion: 39 Resp: 21242  
Ion Ratio Lower Upper  
39 100  
54 150.7 61.7 92.5#





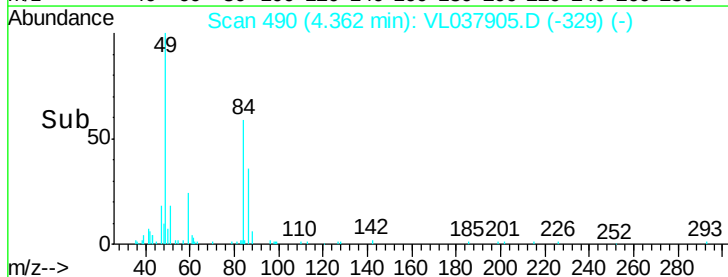
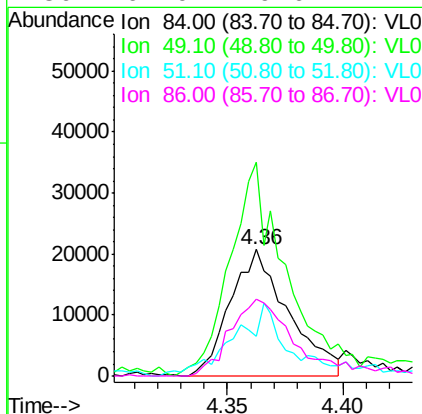
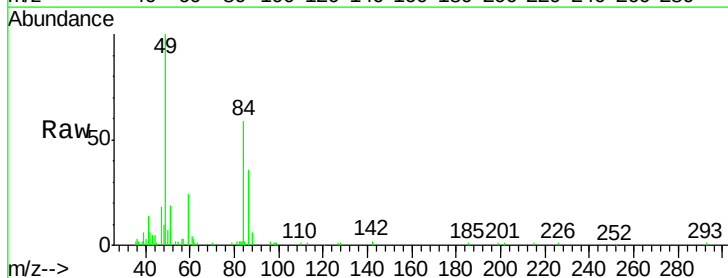
#18  
 1,1-Dichloroethene  
 Concen: 0.410 ppbv  
 RT: 4.30 Instrument : MSVOA\_1  
 Delta R.T. ClientSampleId :  
 Lab File: MDL-AIR-03-QT4-2021  
 Acq: 25 Oct 2021 22:23

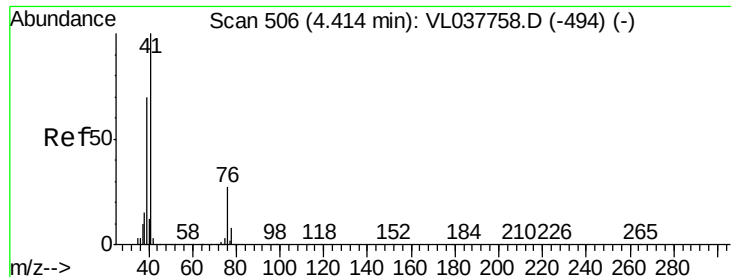
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 144.5 | 146.2 | 219.4# |
| 98      | 59.8  | 50.0  | 75.0   |



#20  
 Methylene Chloride  
 Concen: 0.562 ppbv  
 RT: 4.36 min Scan# 490  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

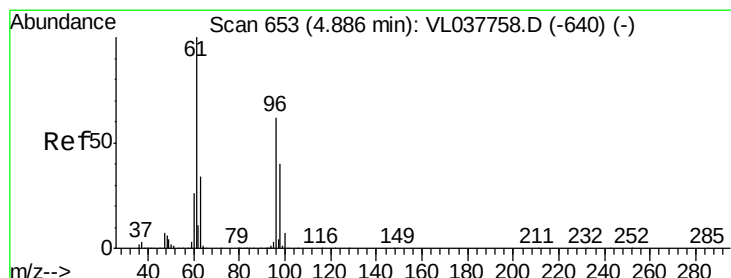
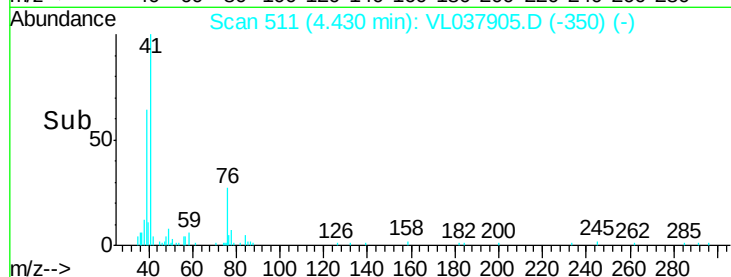
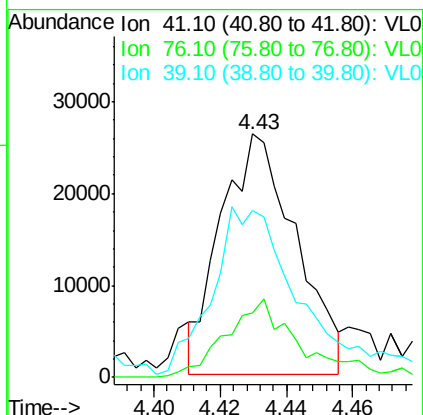
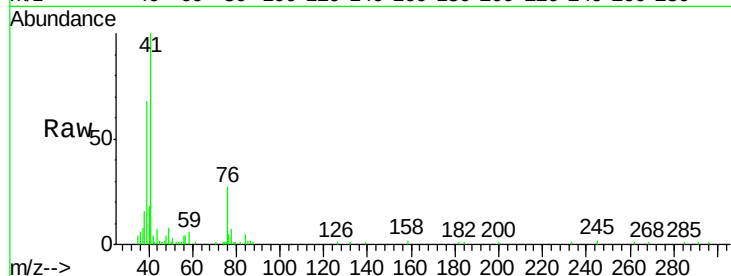
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 161.9 | 120.7 | 181.1 |
| 51      | 24.4  | 36.2  | 54.4# |
| 86      | 61.0  | 49.6  | 74.4  |





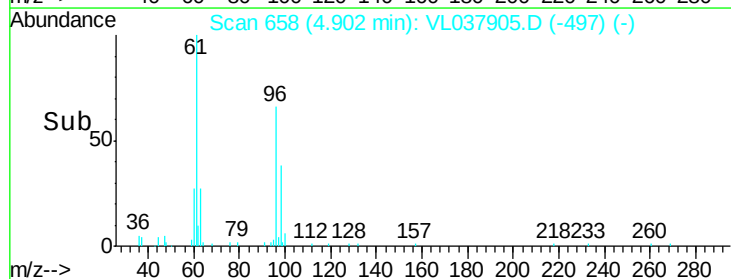
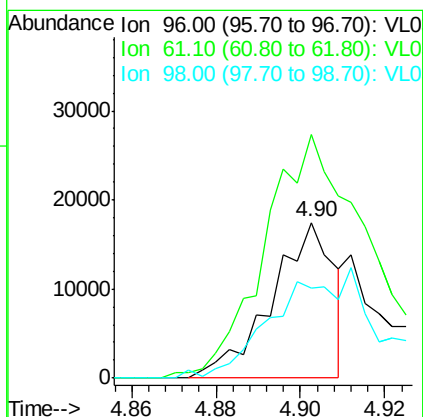
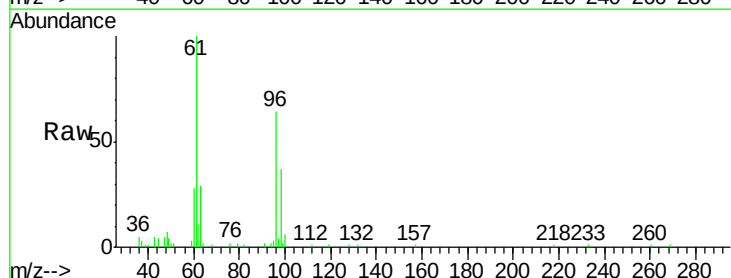
#21  
 Allyl Chloride  
 Concen: 0.361 ppbv  
 RT: 4.43  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

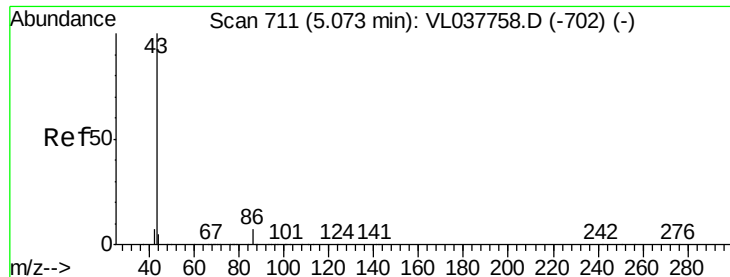
Tgt Ion: 41 Resp: 40900  
 Ion Ratio Lower Upper  
 41 100  
 76 34.1 22.4 33.6#  
 39 94.5 58.0 87.0#



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.256 ppbv  
 RT: 4.90 min Scan# 658  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

Tgt Ion: 96 Resp: 17943  
 Ion Ratio Lower Upper  
 96 100  
 61 153.0 129.0 193.6  
 98 52.8 51.7 77.5





#23

Vinyl Acetate

Concen: 0.070 ppbv

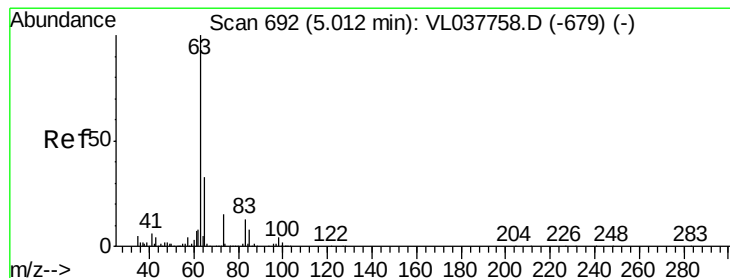
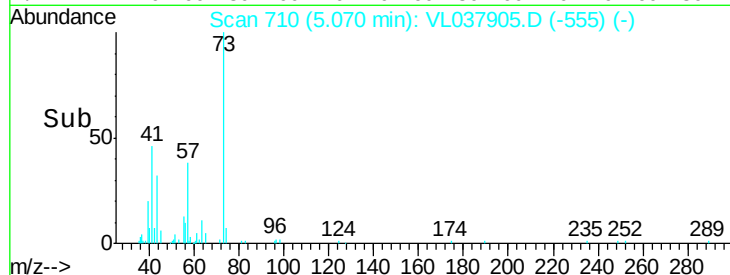
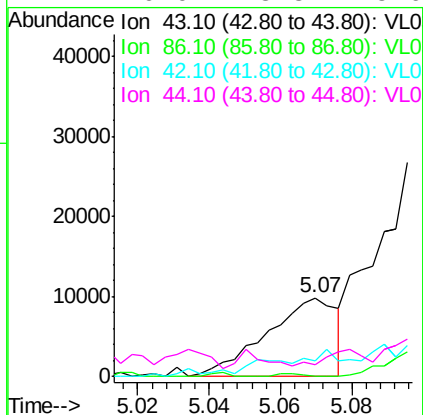
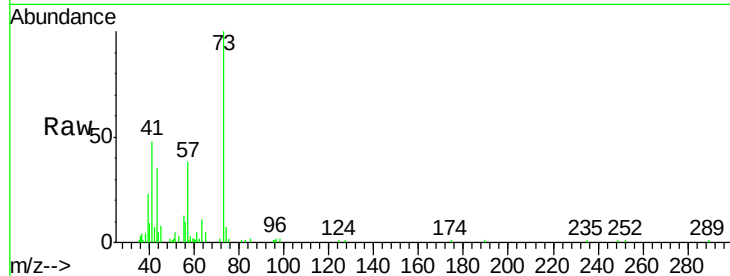
RT: 5.07 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13389 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 5.0   | 7.4#  |
| 42       | 9.5   | 7.4   | 11.0  |
| 44       | 0.0   | 3.8   | 5.6#  |



#24

1,1-Dichloroethane

Concen: 0.510 ppbv

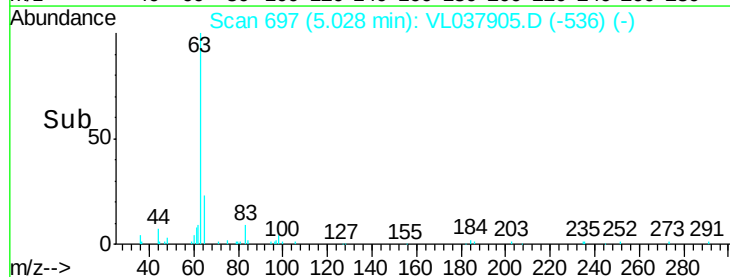
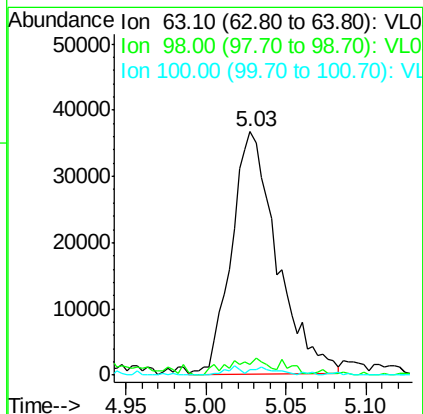
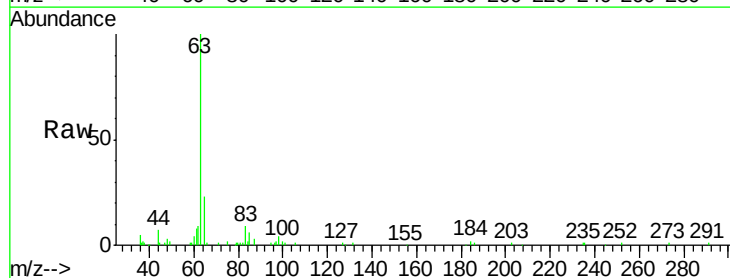
RT: 5.03 min Scan# 697

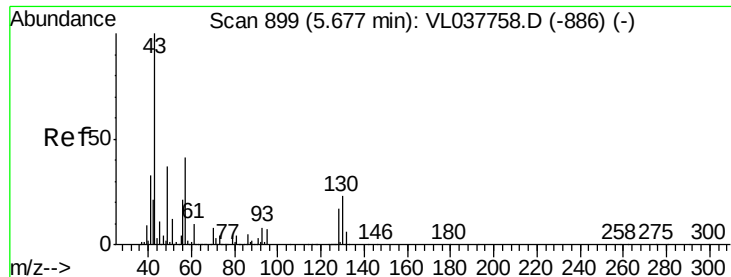
Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

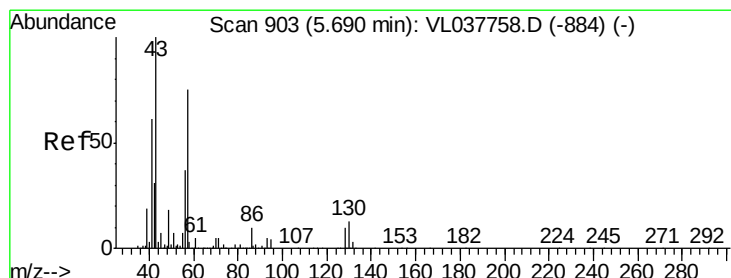
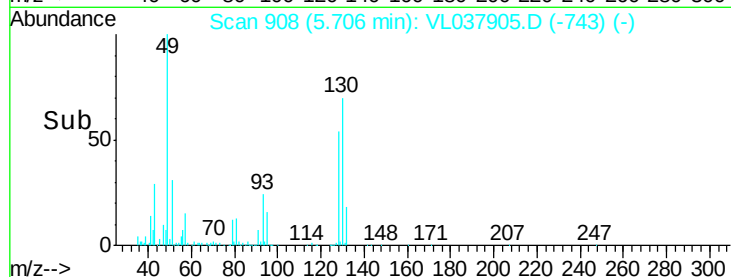
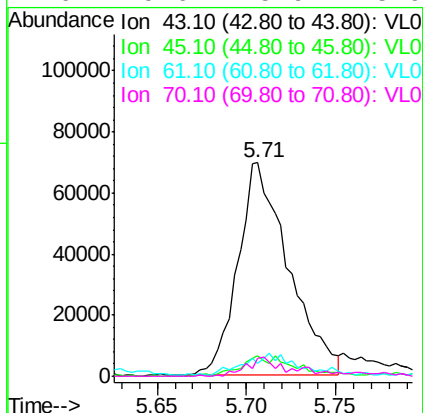
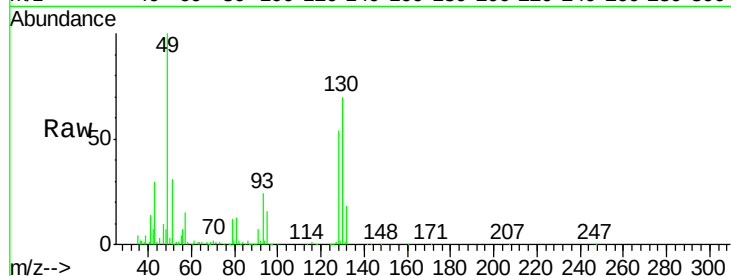
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 71071 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 3.6   | 2.3   | 6.9   |
| 100      | 2.3   | 1.1   | 3.1   |





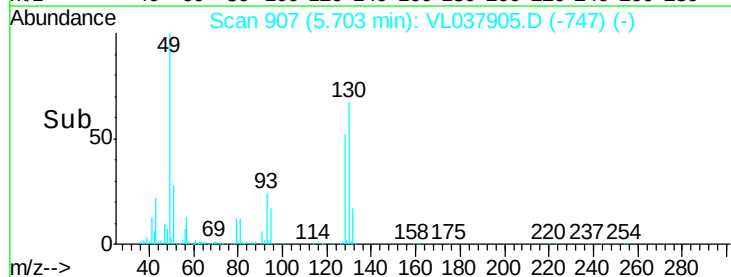
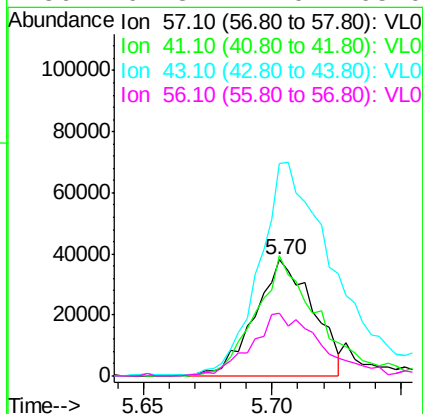
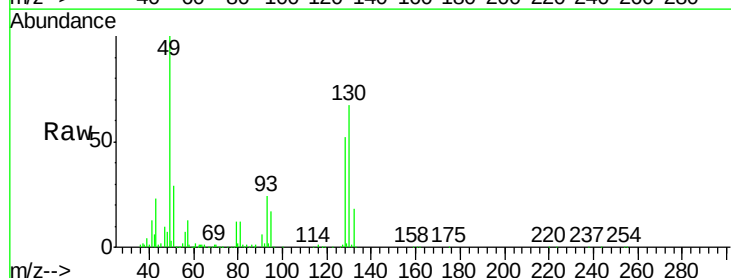
#25  
Ethyl Acetate  
Concen: 0.381 ppbv  
RT: 5.71 min  
Delta R.T.: 0.01 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

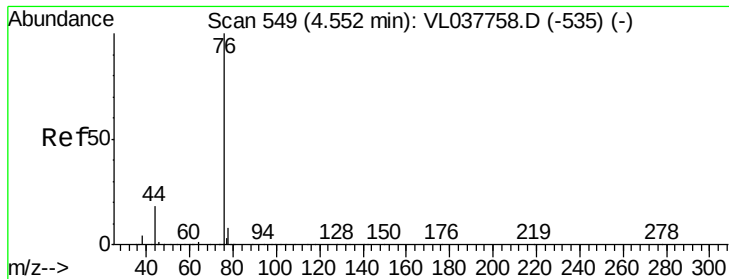
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 136643 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 11.3  | 8.1   | 12.1   |
| 61       | 11.4  | 7.5   | 11.3#  |
| 70       | 9.6   | 5.9   | 8.9#   |



#26  
Hexane  
Concen: 0.340 ppbv  
RT: 5.70 min Scan# 907  
Delta R.T.: 0.01 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

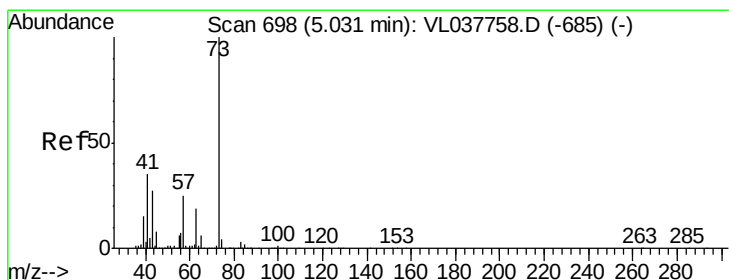
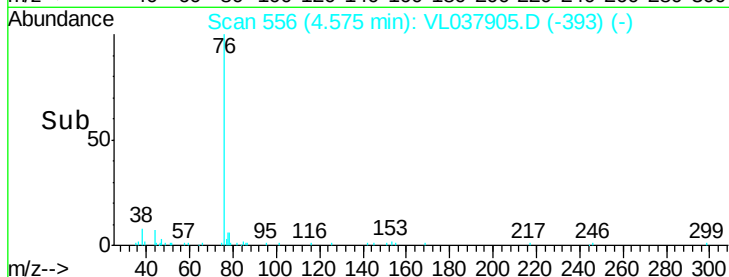
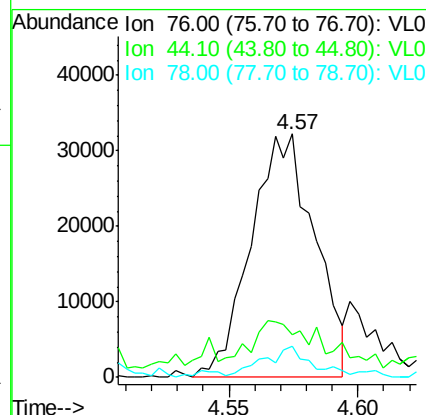
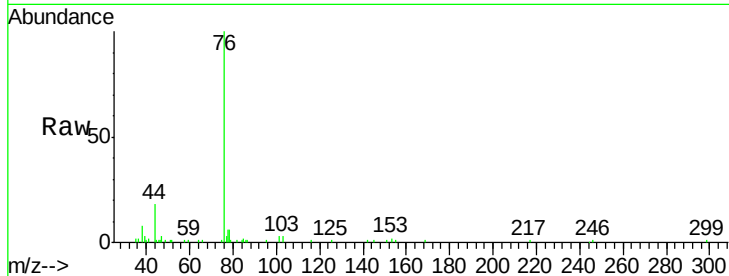
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 60088  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 115.3 | 69.6  | 104.4# |
| 43       | 255.9 | 171.4 | 257.0  |
| 56       | 67.3  | 42.0  | 63.0#  |





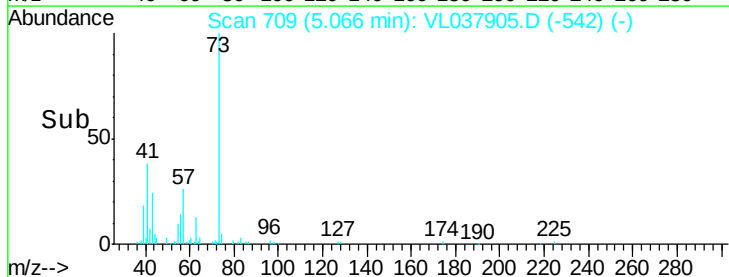
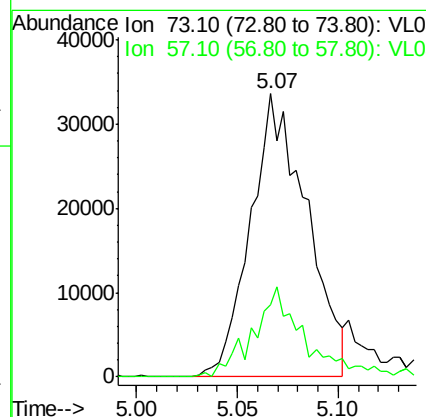
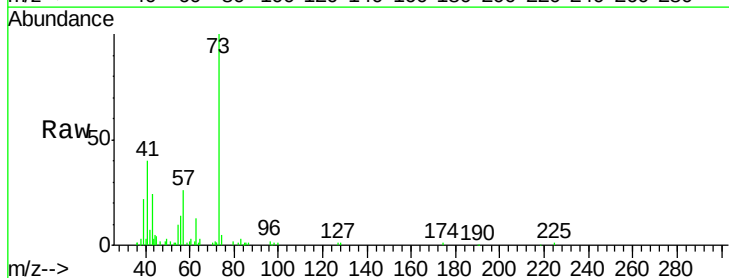
#27  
Carbon Disulfide  
Concen: 0.356 ppbv  
RT: 4.57  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 76 Resp: 55677  
Ion Ratio Lower Upper  
76 100  
44 19.3 14.3 21.5  
78 11.5 7.8 11.6

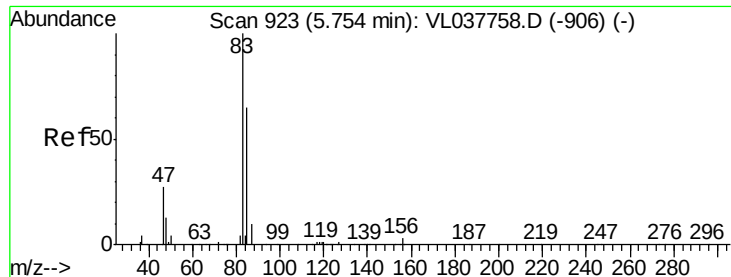


#28  
Methyl tert-Butyl Ether  
Concen: 0.443 ppbv  
RT: 5.07 min Scan# 709  
Delta R.T. 0.04 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

Tgt Ion: 73 Resp: 65095  
Ion Ratio Lower Upper  
73 100  
57 30.1 20.4 30.6

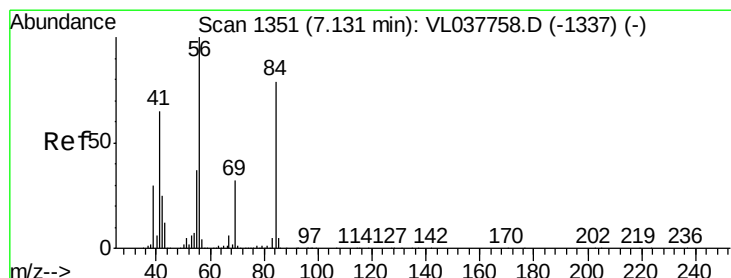
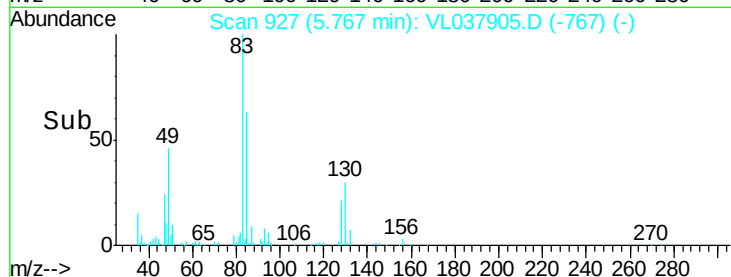
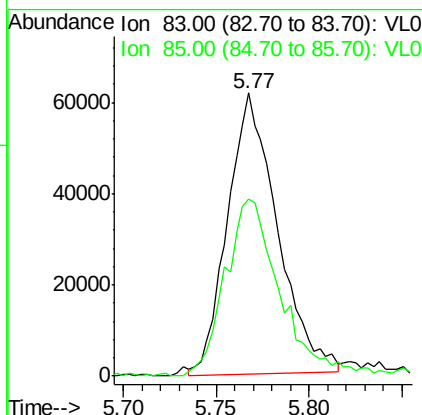
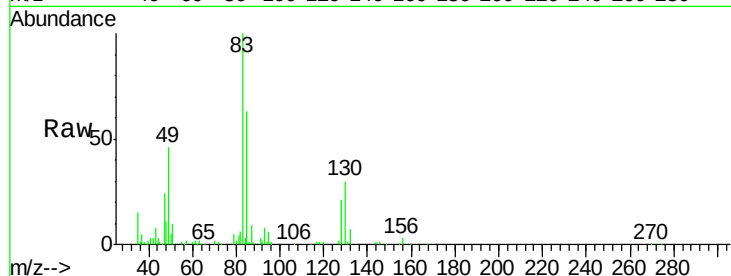






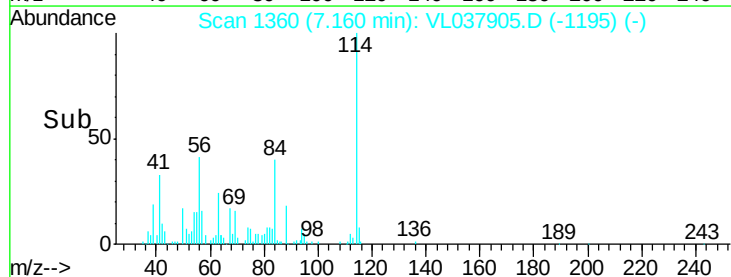
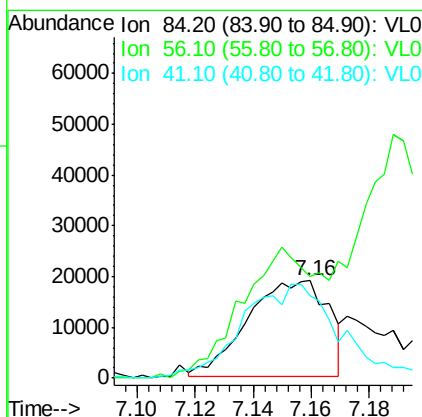
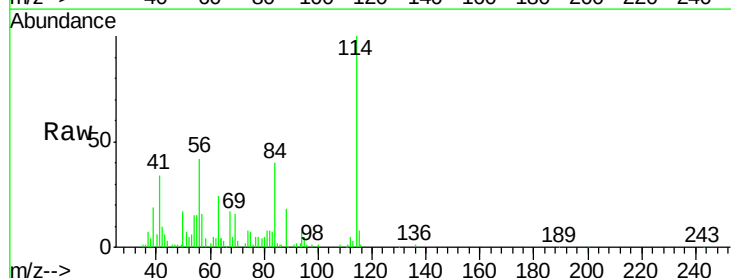
#29  
Chloroform  
Concen: 0.454 ppbv  
RT: 5.77  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

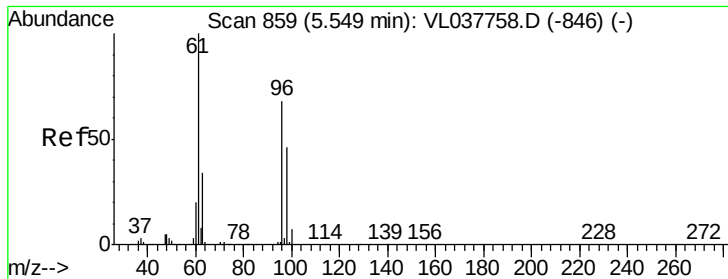
Tgt Ion: 83 Resp: 114641  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.8 77.8



#30  
Cyclohexane  
Concen: 0.244 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. 0.03 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

Tgt Ion: 84 Resp: 36468  
Ion Ratio Lower Upper  
84 100  
56 0.0 113.0 169.4#  
41 122.4 69.1 103.7#





#31

cis-1,2-Dichloroethene

Concen: 0.333 ppbv

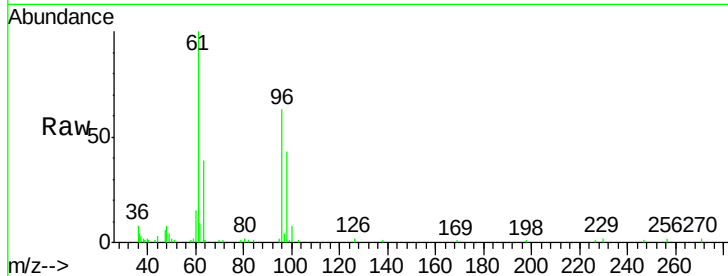
RT: 5.57 Instrument:

Delta R.T. MSVOA\_L

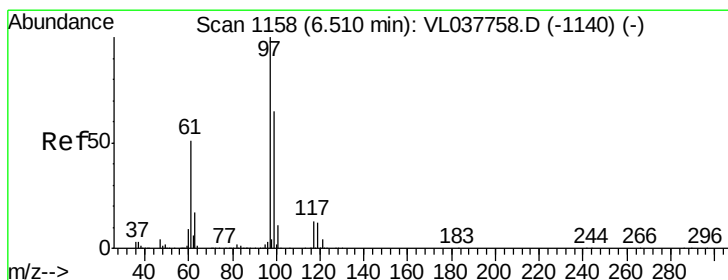
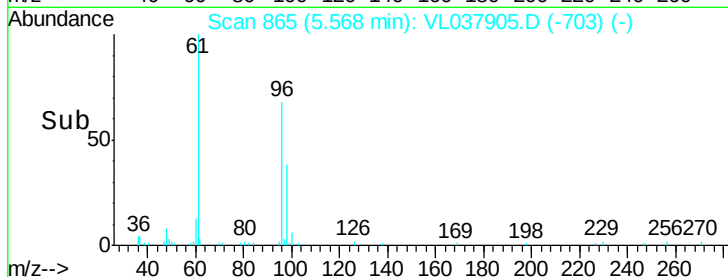
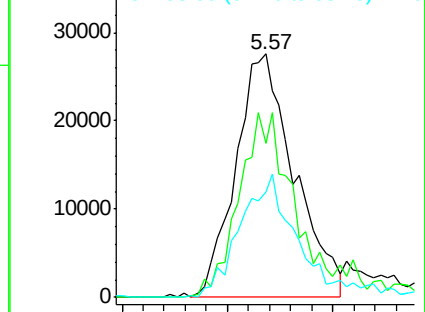
Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 53304 |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 62.7  | 54.2  | 81.2  |
| 98       | 42.5  | 36.6  | 54.8  |



Abundance Ion 61.10 (60.80 to 61.80): VL0  
Ion 96.00 (95.70 to 96.70): VL0  
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.428 ppbv

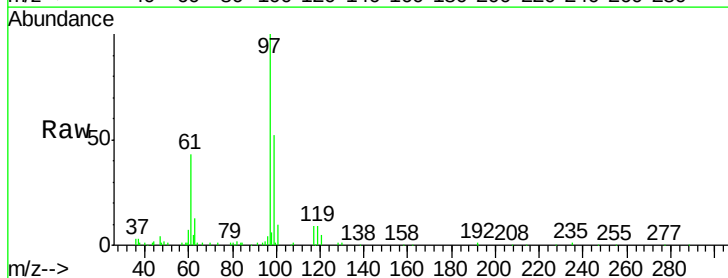
RT: 6.53 min Scan# 1165

Delta R.T. 0.02 min

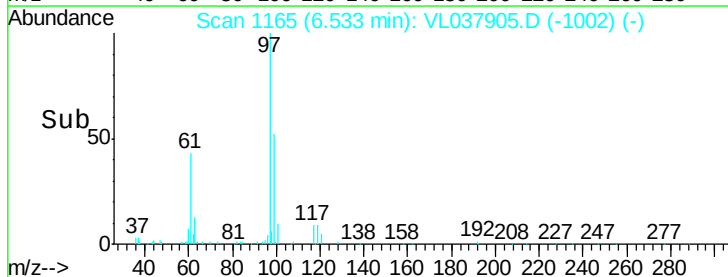
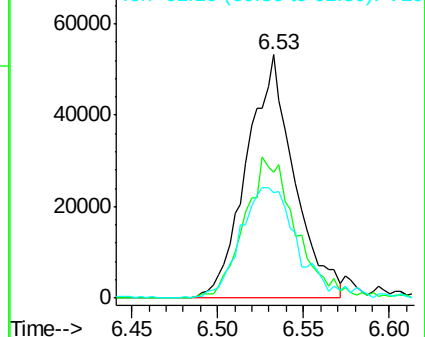
Lab File: VL037905.D

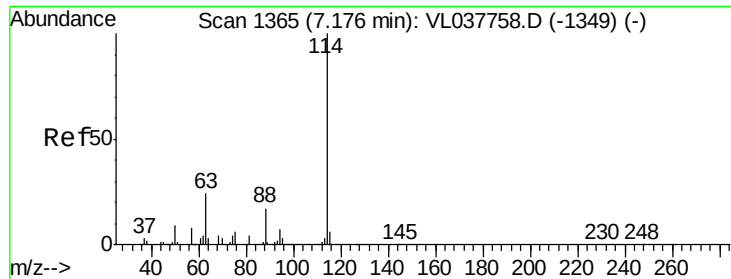
Acq: 25 Oct 2021 22:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 102357 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.2  | 52.6  | 78.8   |
| 61       | 56.5  | 40.2  | 60.4   |



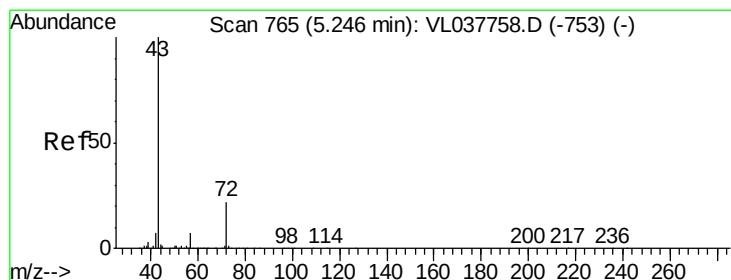
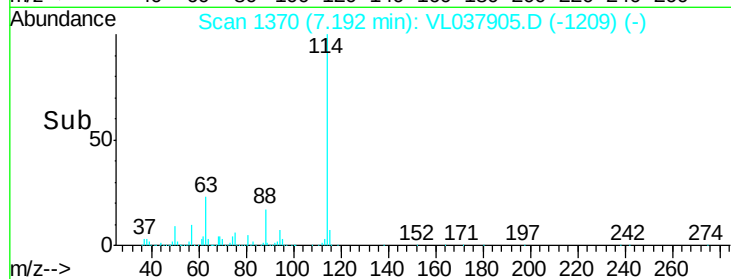
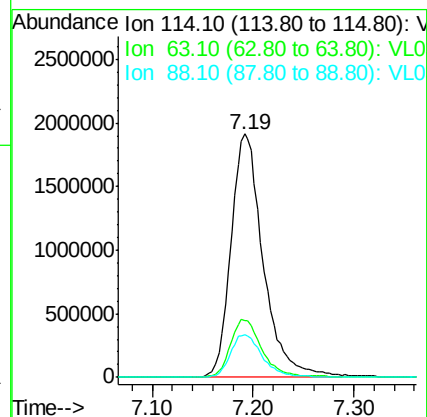
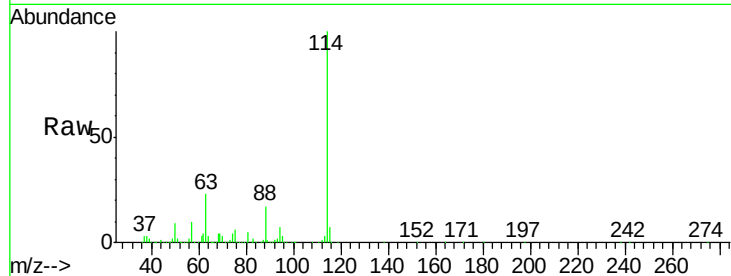
Abundance Ion 97.00 (96.70 to 97.70): VL0  
Ion 99.00 (98.70 to 99.70): VL0  
Ion 61.10 (60.80 to 61.80): VL0





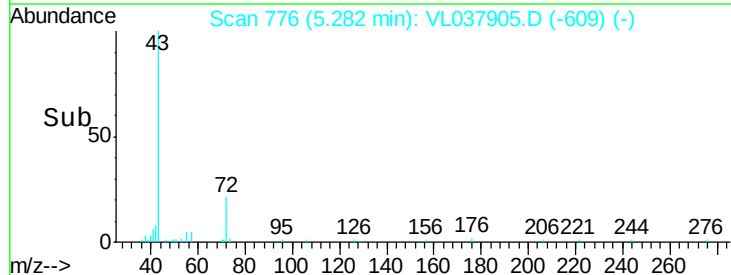
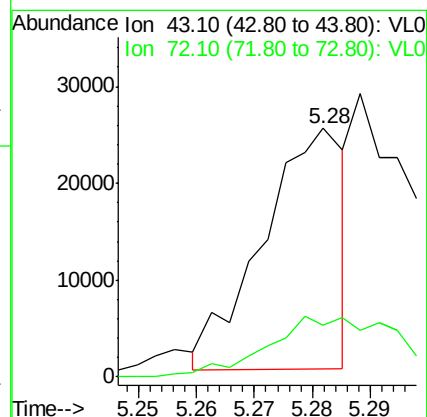
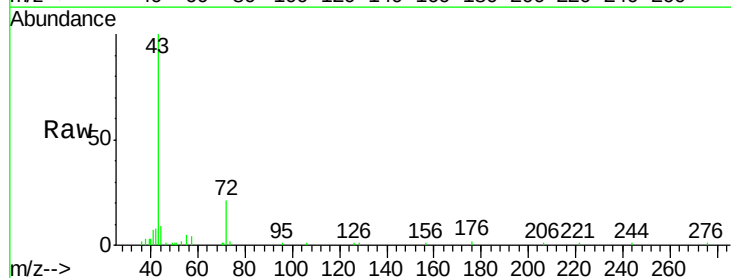
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 MDL-AIR-03-OT4-2021  
 Acq: 25 Oct 2021 22:23

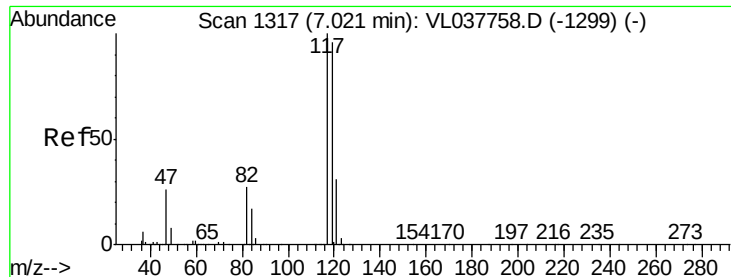
Tgt Ion: 114 Resp: 4253123  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 19.4 29.2  
 88 17.9 14.4 21.6



#34  
 2-Butanone  
 Concen: 0.142 ppbv  
 RT: 5.28 min Scan# 776  
 Delta R.T.: 0.04 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

Tgt Ion: 43 Resp: 24380  
 Ion Ratio Lower Upper  
 43 100  
 72 62.3 18.2 27.2#





#35

Carbon Tetrachloride

Concen: 0.437 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

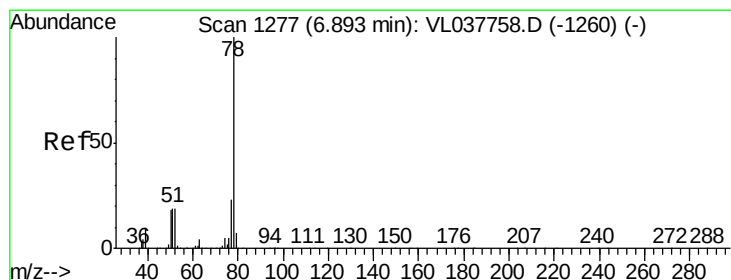
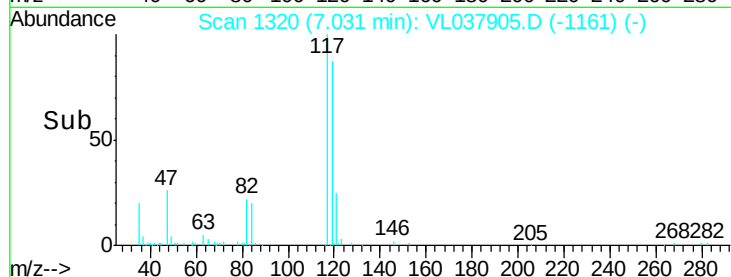
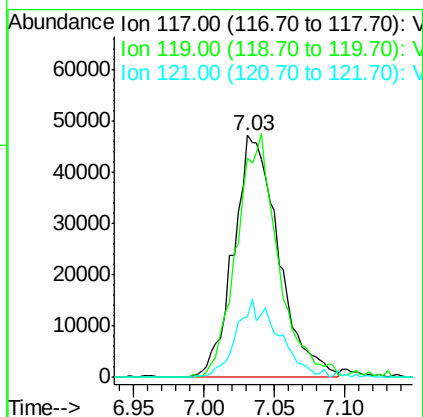
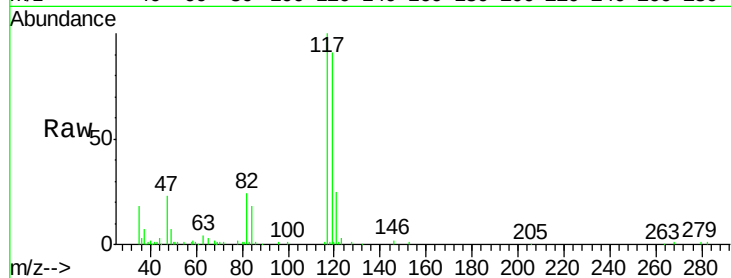
Tgt Ion: 117 Resp: 105524

Ion Ratio Lower Upper

117 100

119 90.2 76.5 114.7

121 24.8 24.9 37.3#



#36

Benzene

Concen: 0.335 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

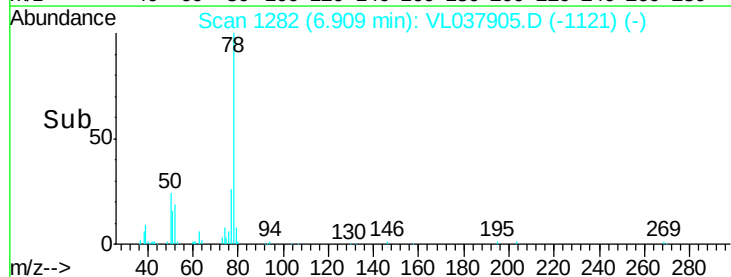
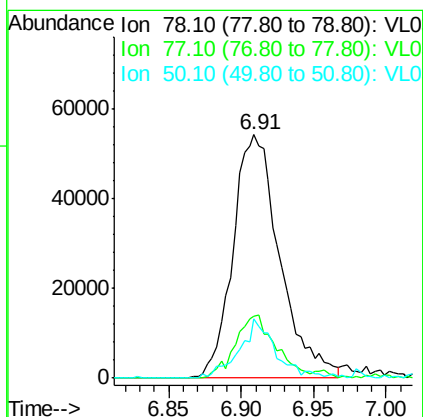
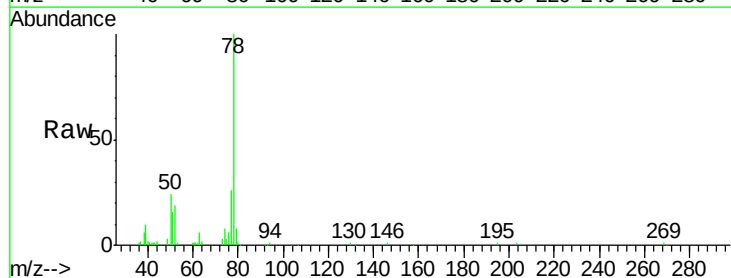
Tgt Ion: 78 Resp: 121606

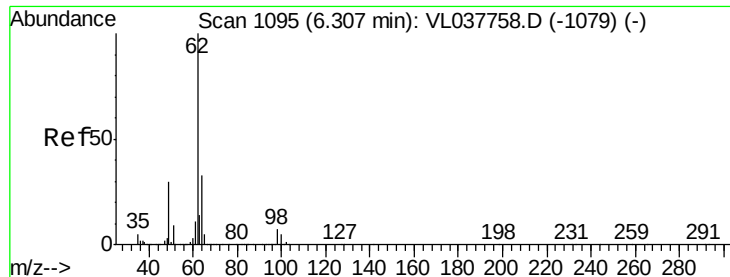
Ion Ratio Lower Upper

78 100

77 25.5 18.8 28.2

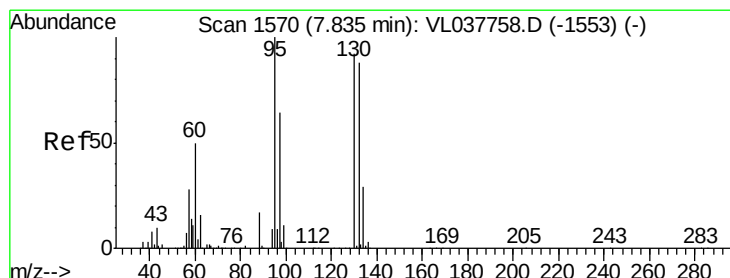
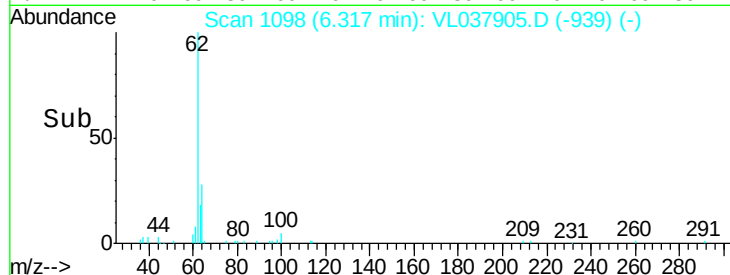
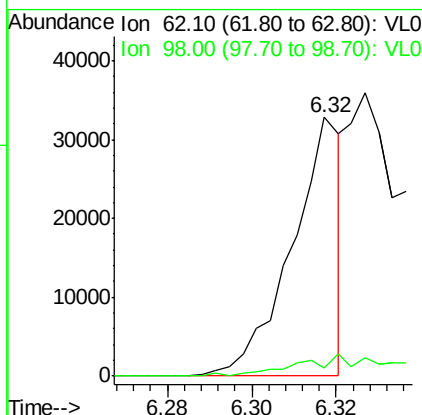
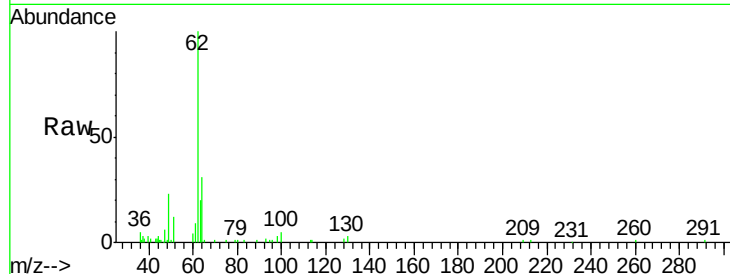
50 24.3 14.7 22.1#





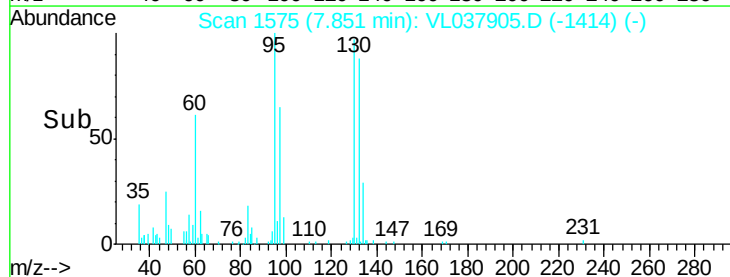
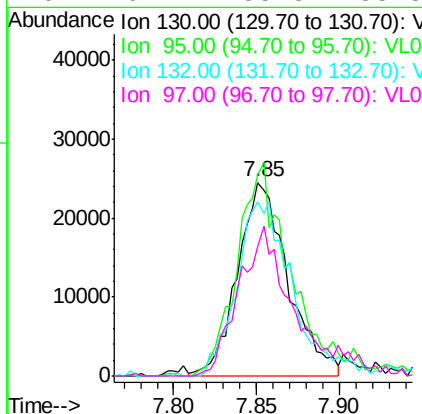
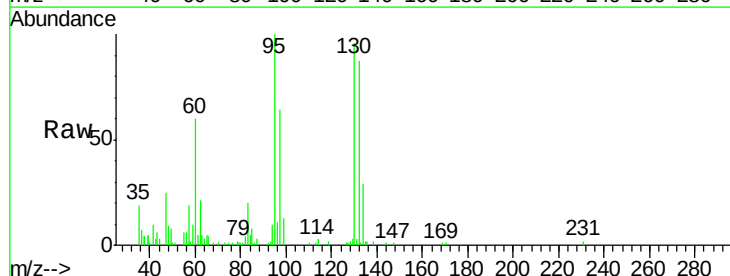
#37  
 1,2-Dichloroethane  
 Concen: 0.156 ppbv  
 RT: 6.32  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 MDL-AIR-03-QT4-2021  
 Acq: 25 Oct 2021 22:23

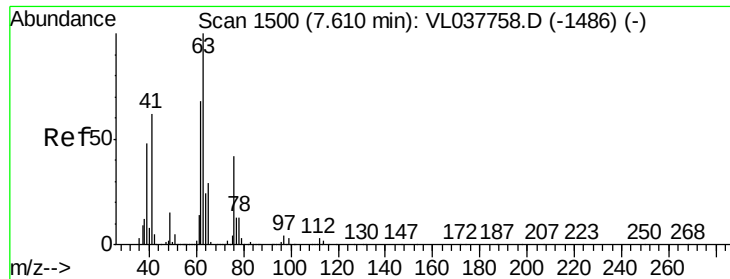
Tgt Ion: 62 Resp: 26651  
 Ion Ratio Lower Upper  
 62 100  
 98 21.3 6.1 9.1#



#38  
 Trichloroethene  
 Concen: 0.362 ppbv  
 RT: 7.85 min Scan# 1575  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

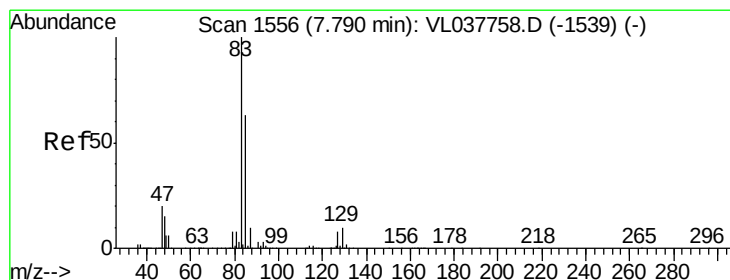
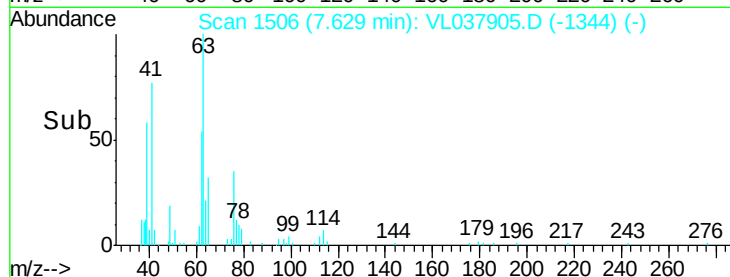
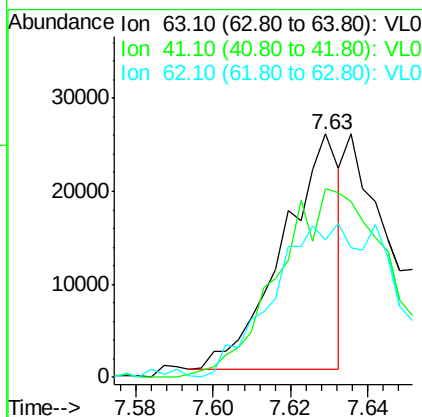
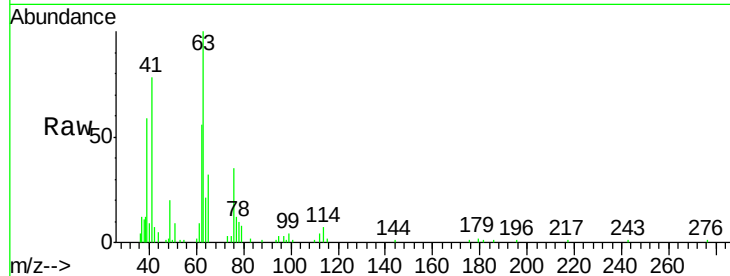
Tgt Ion: 130 Resp: 52023  
 Ion Ratio Lower Upper  
 130 100  
 95 104.9 87.4 131.0  
 132 91.1 76.8 115.2  
 97 67.2 55.8 83.8





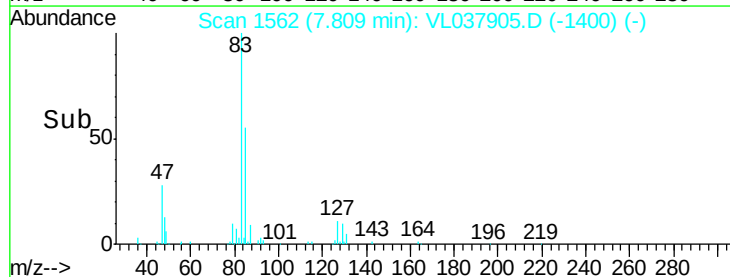
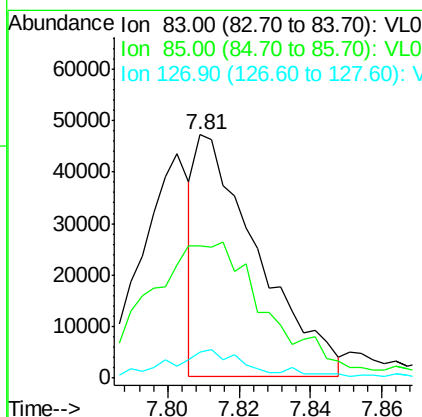
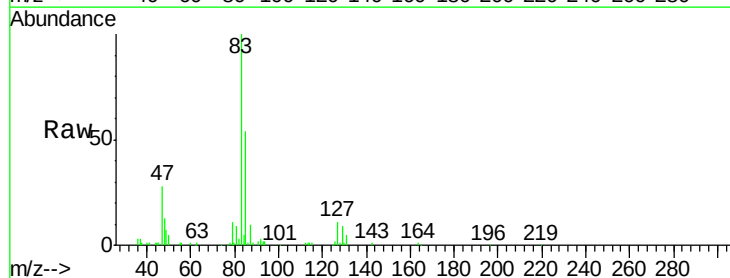
#39  
 1,2-Dichloropropane  
 Concen: 0.187 ppbv  
 RT: 7.63  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

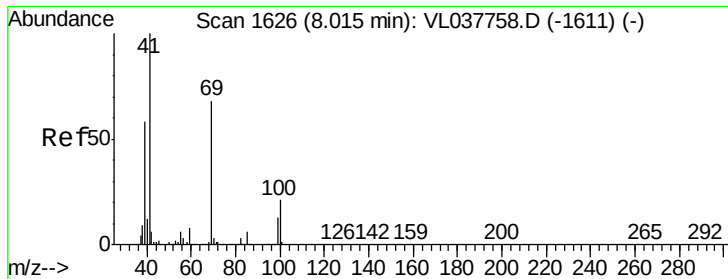
Tgt Ion: 63 Resp: 25530  
 Ion Ratio Lower Upper  
 63 100  
 41 80.2 49.8 74.6#  
 62 58.2 54.6 82.0



#42  
 Bromodichloromethane  
 Concen: 0.225 ppbv  
 RT: 7.81 min Scan# 1562  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

Tgt Ion: 83 Resp: 56629  
 Ion Ratio Lower Upper  
 83 100  
 85 52.0 50.6 75.8  
 127 9.1 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.236 ppbv

RT: 8.05

Instrument: MSVOA\_1

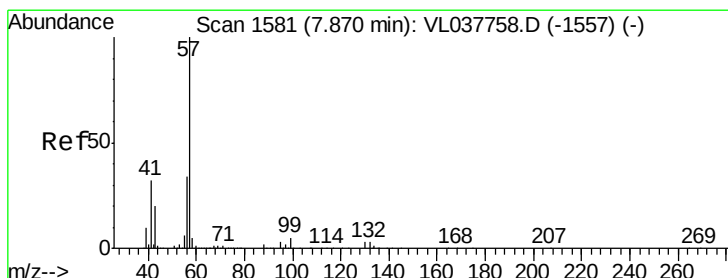
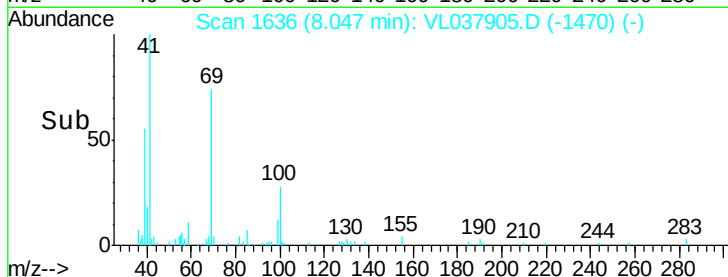
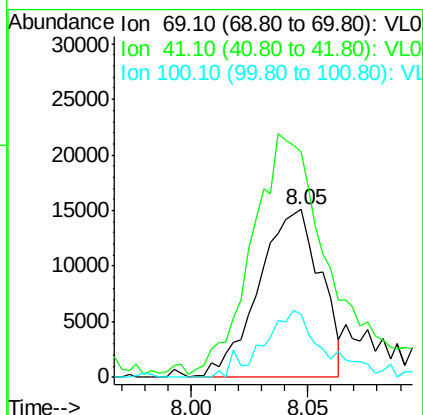
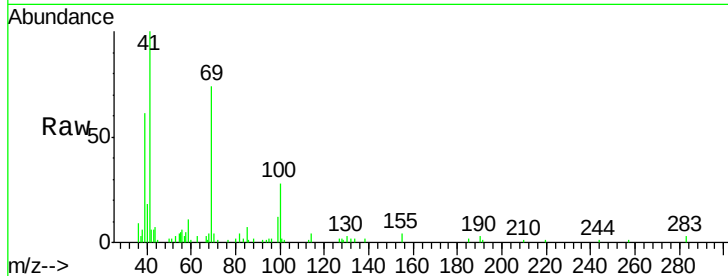
Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23

Tgt Ion: 69 Resp: 27947

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 175.0 | 121.0 | 181.4 |
| 100 | 40.0  | 27.7  | 41.5  |



#44

2,2,4-Trimethylpentane

Concen: 0.353 ppbv

RT: 7.89 min Scan# 1587

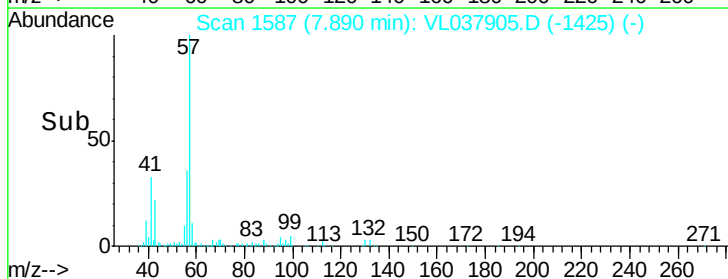
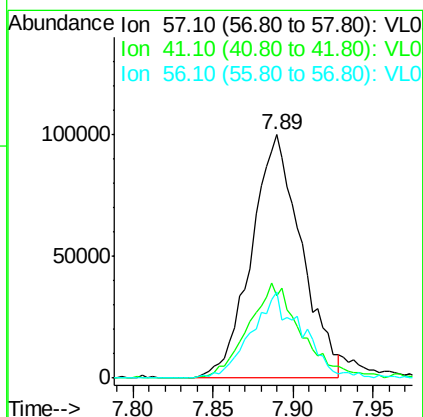
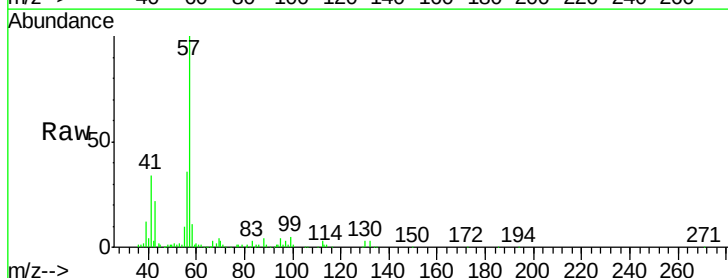
Delta R.T. 0.02 min

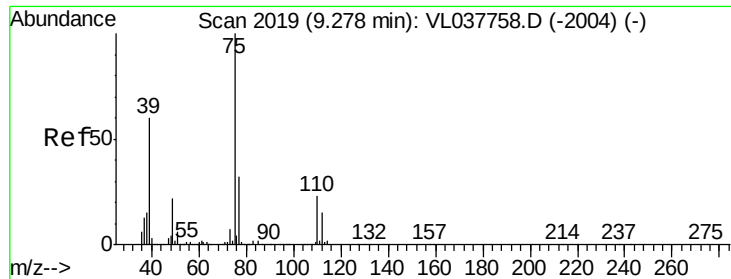
Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion: 57 Resp: 215166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 41.5  | 25.6  | 38.4# |
| 56  | 36.2  | 25.5  | 38.3  |





#45

t-1,3-Dichloropropene

Concen: 0.111 ppbv

RT: 9.30 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

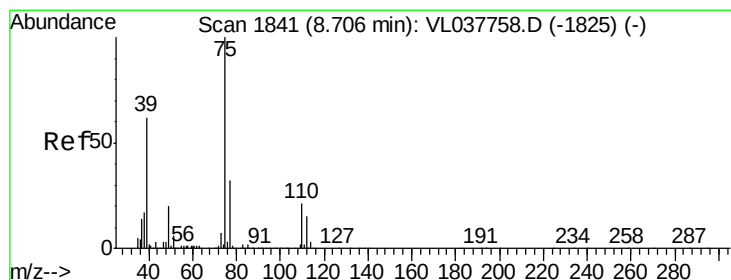
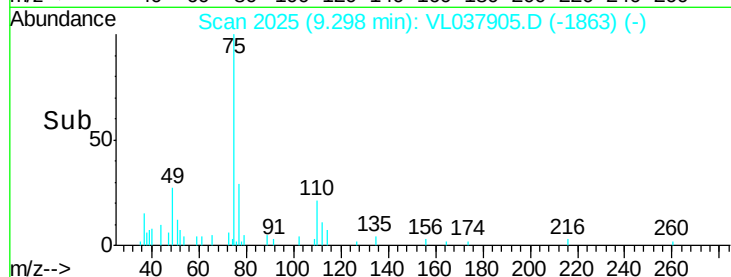
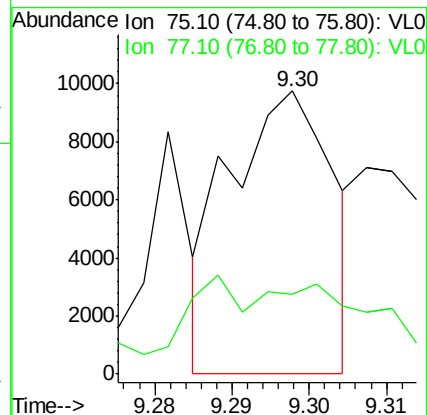
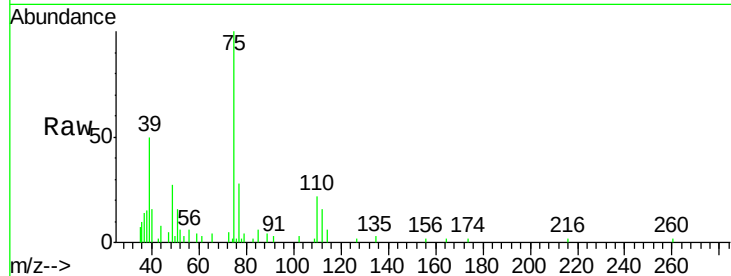
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 75 Resp: 9086

Ion Ratio Lower Upper

75 100

77 27.8 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 0.126 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

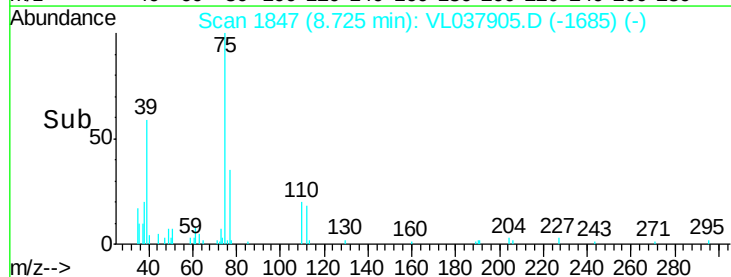
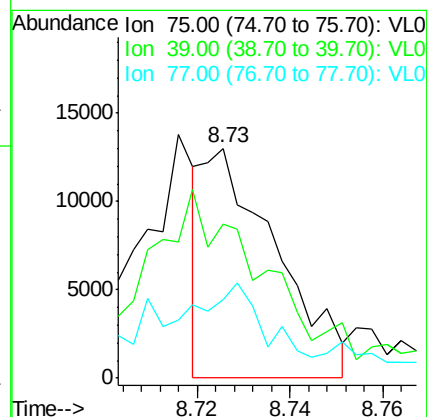
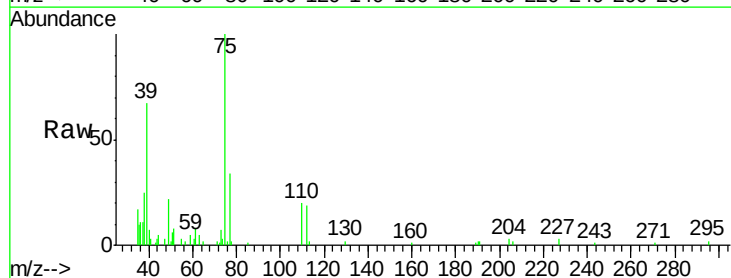
Tgt Ion: 75 Resp: 14274

Ion Ratio Lower Upper

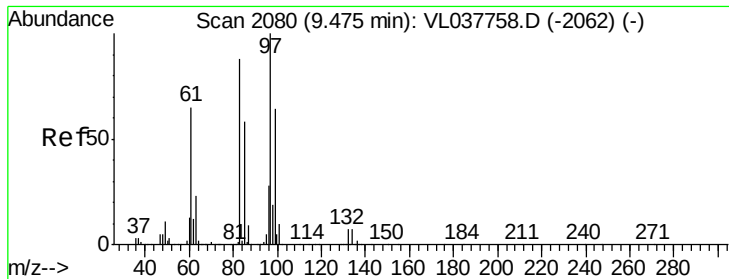
75 100

39 50.5 49.9 74.9

77 21.4 25.9 38.9#

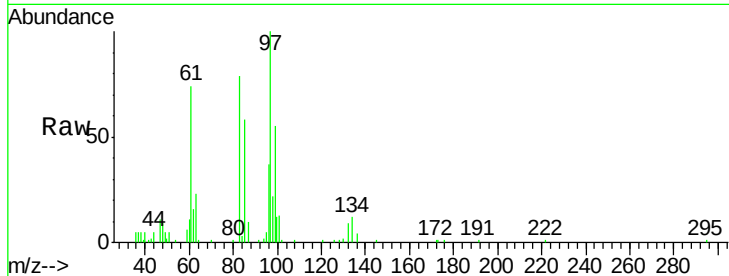




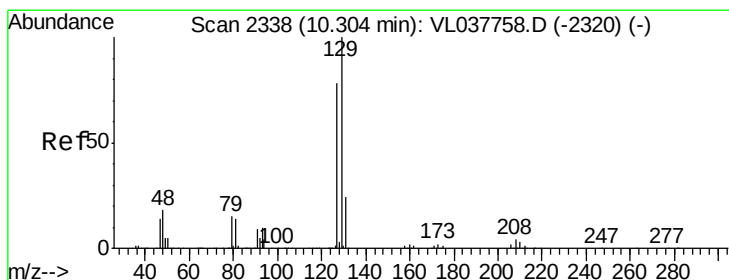
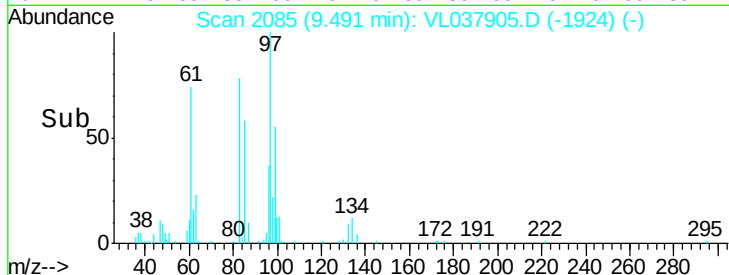
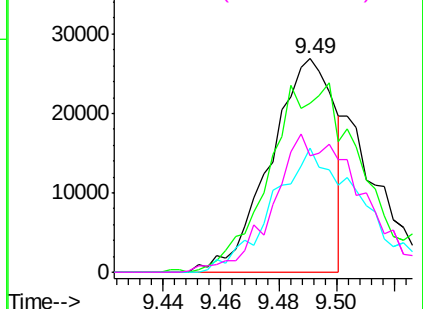


#47  
 1,1,2-Trichloroethane  
 Concen: 0.276 ppbv  
 RT: 9.49 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 41050 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.3  | 70.6  | 105.8 |
| 85       | 58.0  | 45.9  | 68.9  |
| 99       | 54.0  | 51.5  | 77.3  |

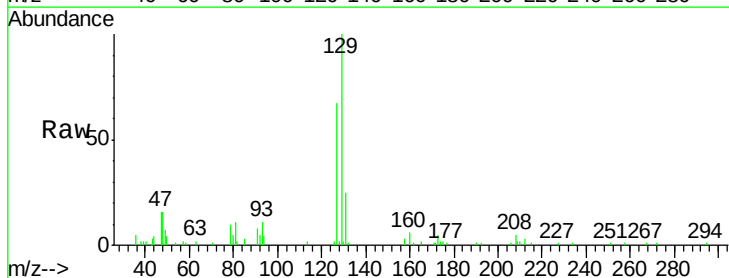


Abundance Ion 97.00 (96.70 to 97.70): VL0  
 Ion 83.00 (82.70 to 83.70): VL0  
 Ion 85.00 (84.70 to 85.70): VL0  
 Ion 99.00 (98.70 to 99.70): VL0

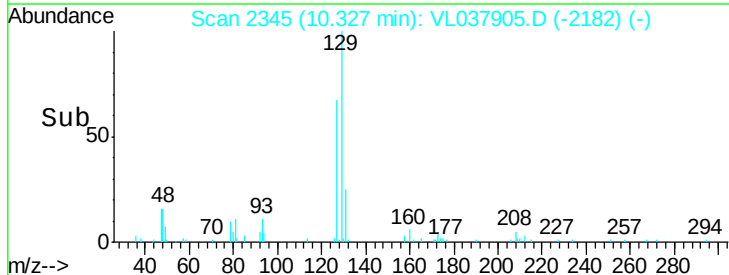
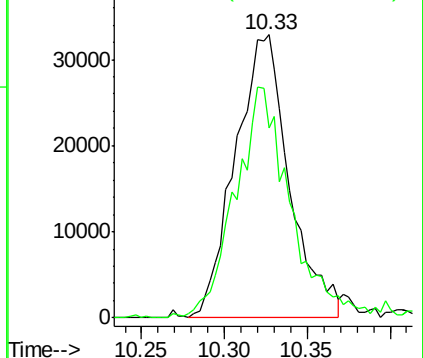


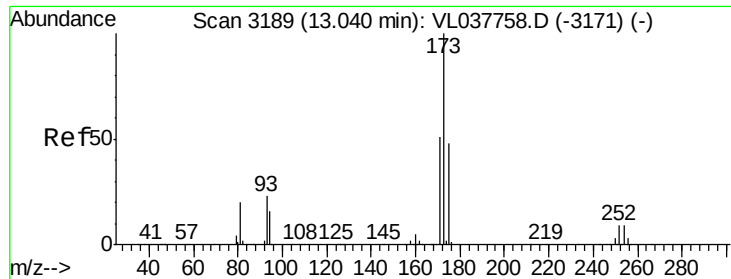
#48  
 Dibromochloromethane  
 Concen: 0.352 ppbv  
 RT: 10.33 min Scan# 2345  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 74625 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 84.2  | 39.5  | 118.5 |



Abundance Ion 129.00 (128.70 to 129.70): V  
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.313 ppbv

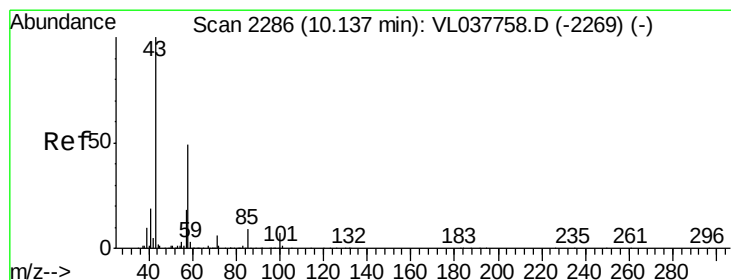
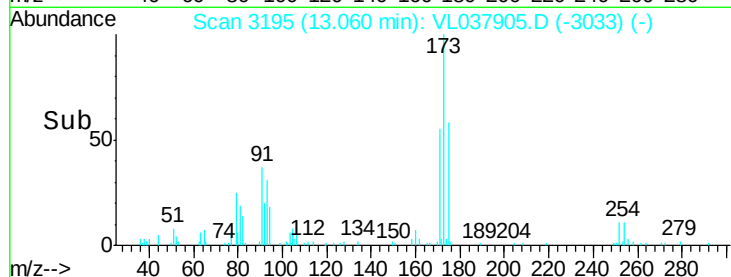
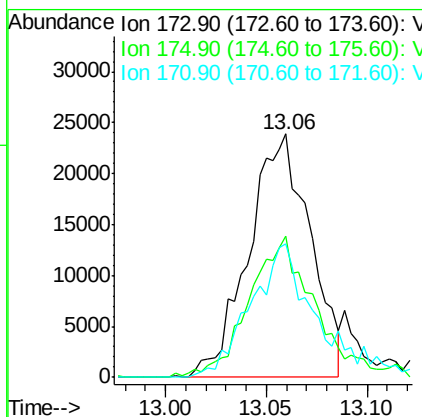
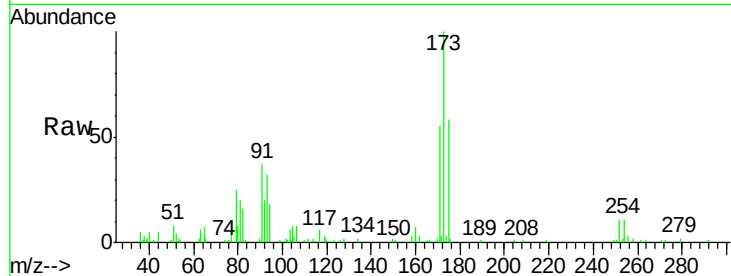
RT: 13.06

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 50717 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 65.7  | 39.9  | 59.9# |
| 171      | 60.9  | 43.4  | 65.2  |



#51

2-Hexanone

Concen: 0.112 ppbv

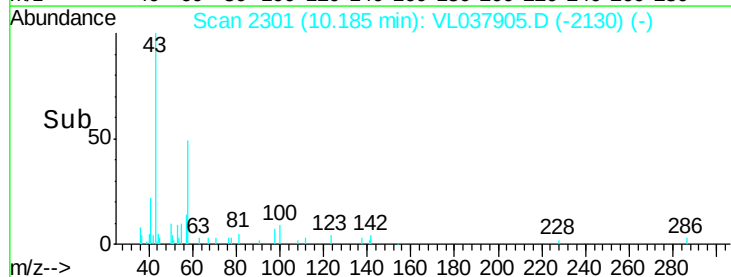
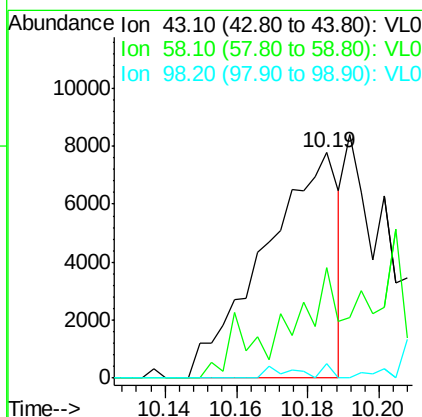
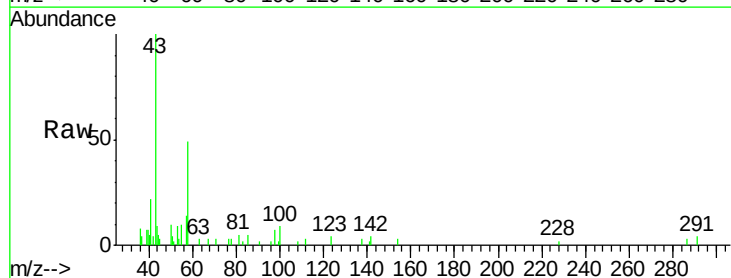
RT: 10.19 min Scan# 2301

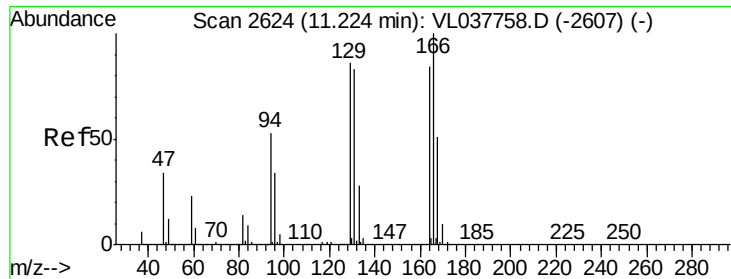
Delta R.T. 0.05 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11178 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 39.4  | 59.0# |
| 98       | 2.8   | 0.3   | 0.5#  |





#52

Tetrachloroethene

Concen: 0.170 ppbv

RT: 11.24

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tgt Ion: 164 Resp: 24068

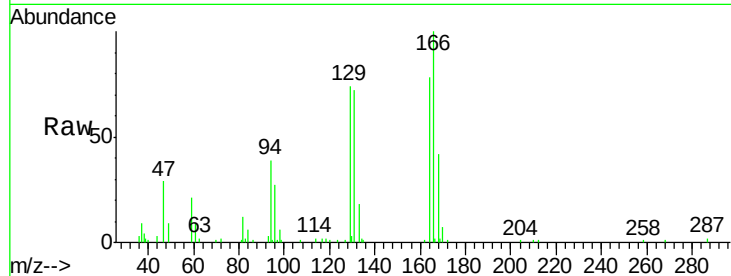
Ion Ratio Lower Upper

164 100

166 129.4 95.4 143.2

129 92.8 82.2 123.4

131 90.9 79.4 119.2

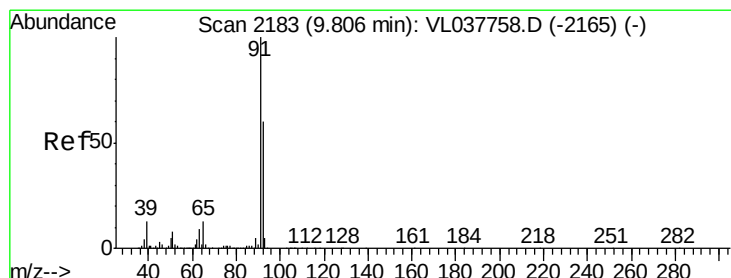
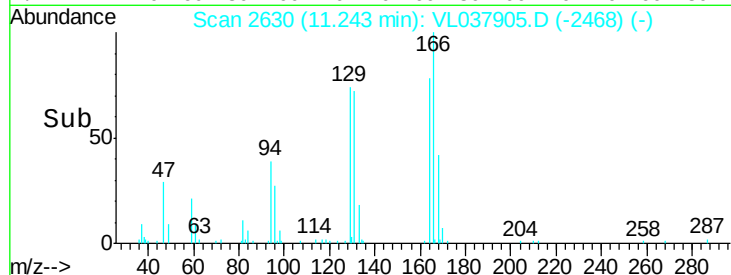
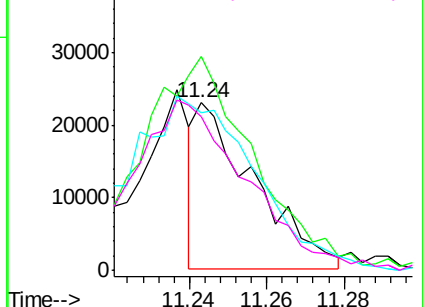


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.250 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.02 min

Lab File: VL037905.D

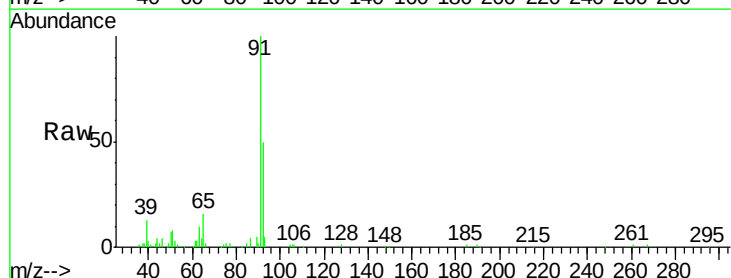
Acq: 25 Oct 2021 22:23

Tgt Ion: 91 Resp: 100676

Ion Ratio Lower Upper

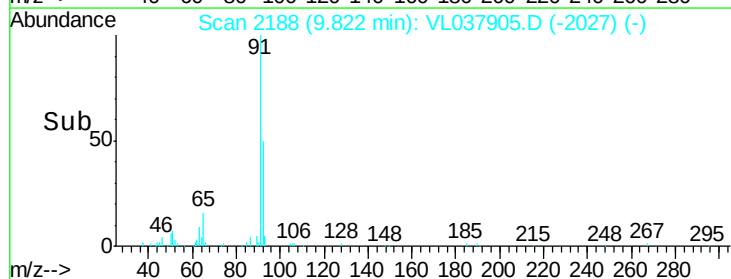
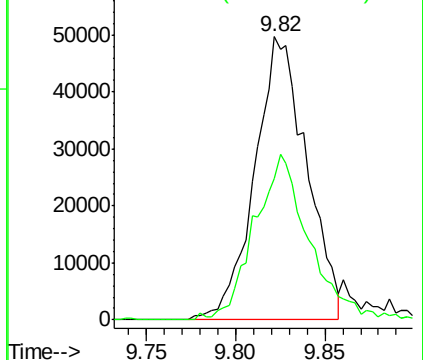
91 100

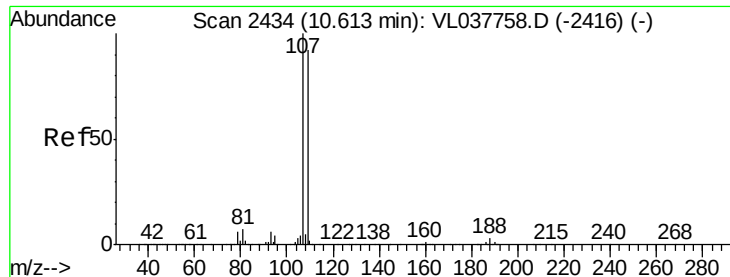
92 61.9 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

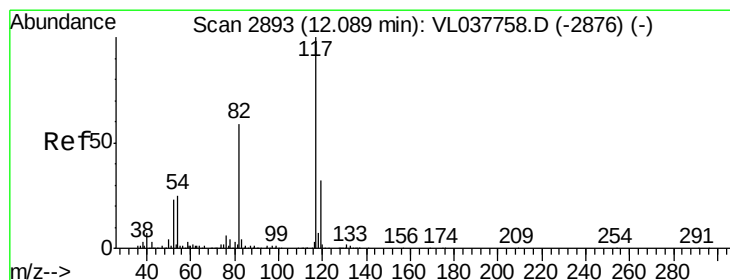
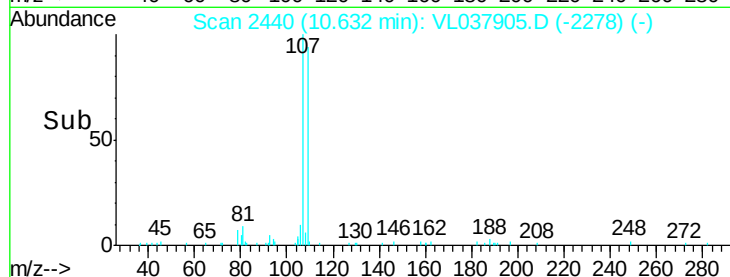
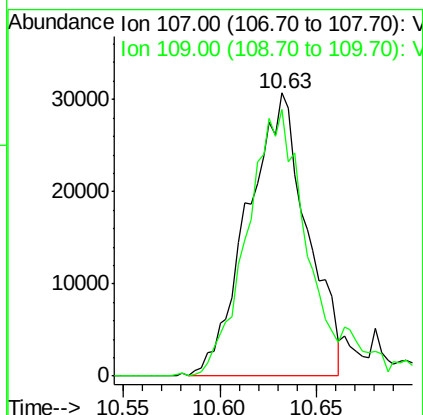
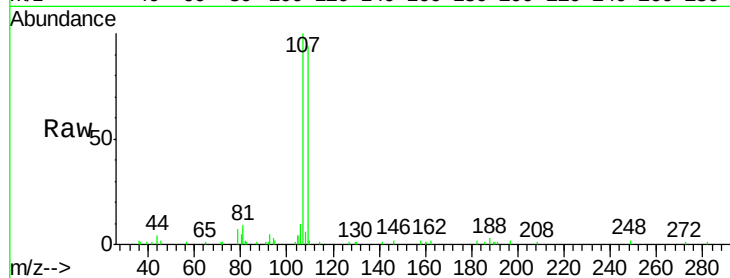
Ion 92.10 (91.80 to 92.80): VL0





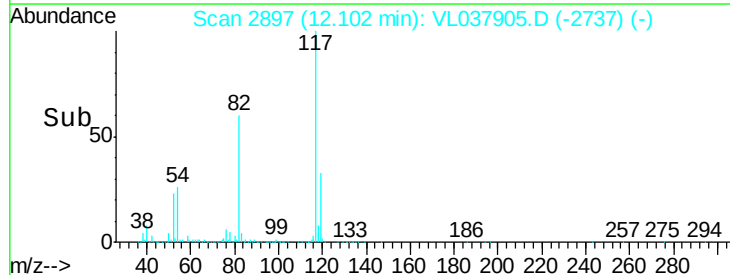
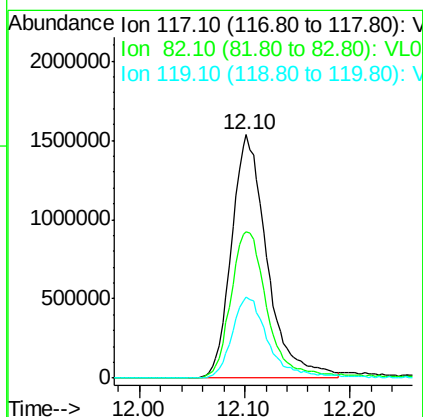
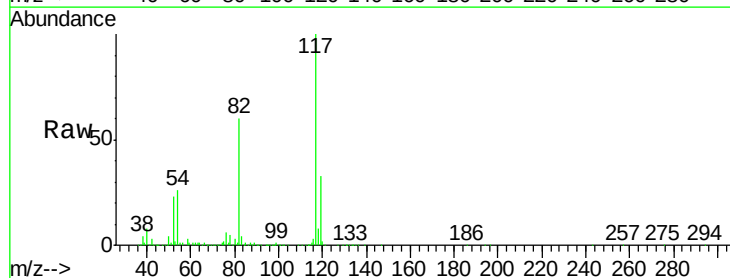
#54  
 1,2-Dibromoethane  
 Concen: 0.327 ppbv  
 RT: 10.63  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

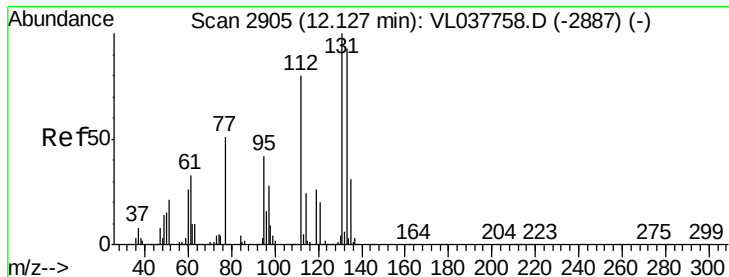
Tgt Ion:107 Resp: 65592  
 Ion Ratio Lower Upper  
 107 100  
 109 94.3 73.8 110.6



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.10 min Scan# 2897  
 Delta R.T. 0.01 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

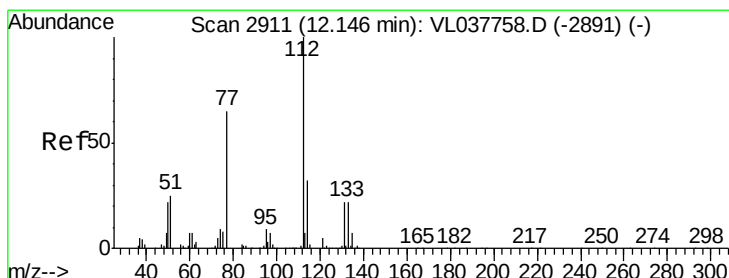
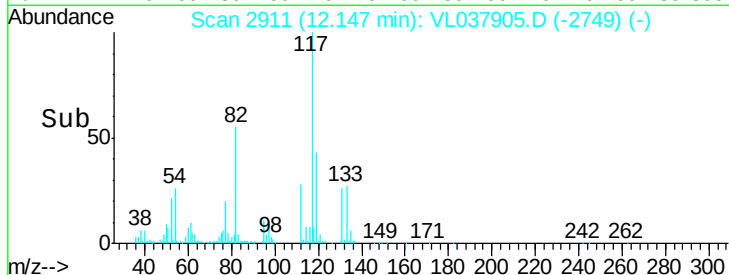
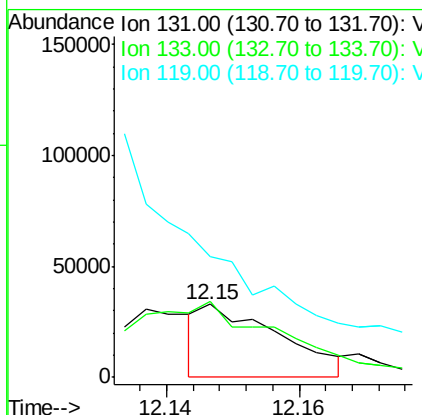
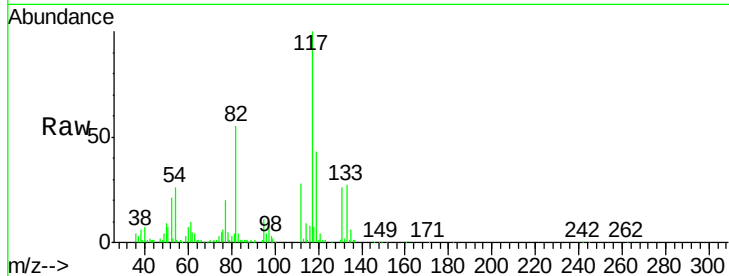
Tgt Ion:117 Resp: 3606572  
 Ion Ratio Lower Upper  
 117 100  
 82 63.2 52.2 78.2  
 119 34.4 26.0 39.0





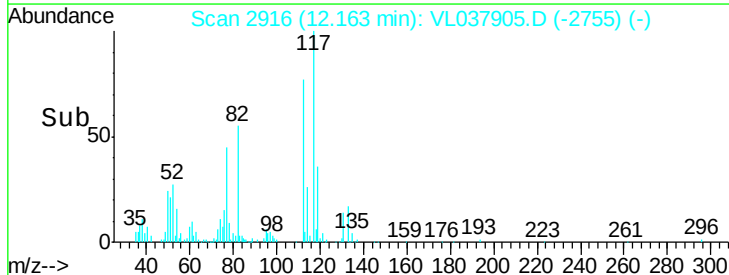
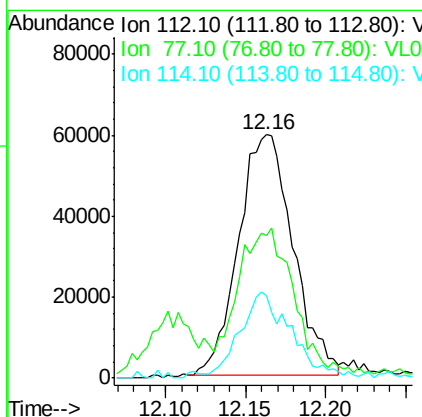
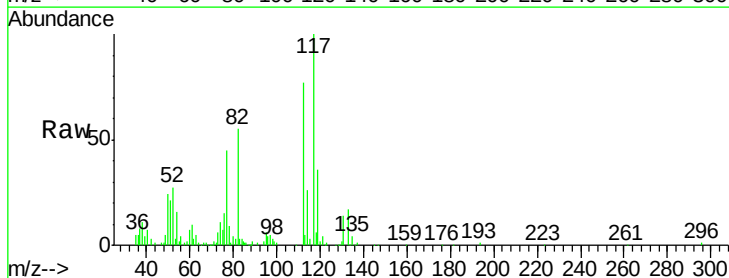
#56  
 1,1,1,2-Tetrachloroethane  
 Concen: 0.181 ppbv  
 RT: 12.15 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 MDL-AIR-03-QT4-2021  
 Acq: 25 Oct 2021 22:23

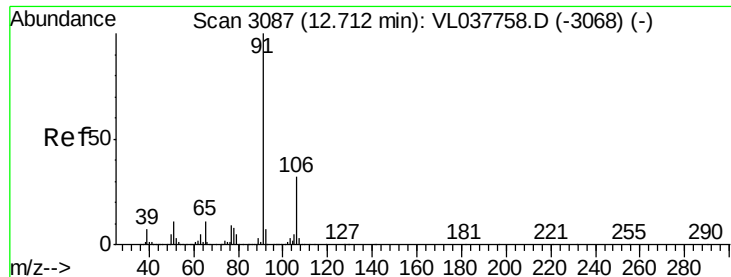
Tgt Ion:131 Resp: 27081  
 Ion Ratio Lower Upper  
 131 100  
 133 263.8 78.5 117.7#  
 119 0.0 51.7 77.5#



#57  
 Chlorobenzene  
 Concen: 0.473 ppbv  
 RT: 12.16 min Scan# 2916  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

Tgt Ion:112 Resp: 139829  
 Ion Ratio Lower Upper  
 112 100  
 77 54.3 51.8 77.8  
 114 31.7 28.8 35.2





#58

Ethyl Benzene

Concen: 0.290 ppbv

RT: 12.73

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

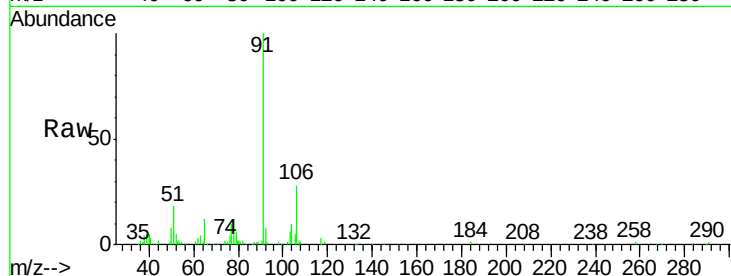
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 91 Resp: 140356

Ion Ratio Lower Upper

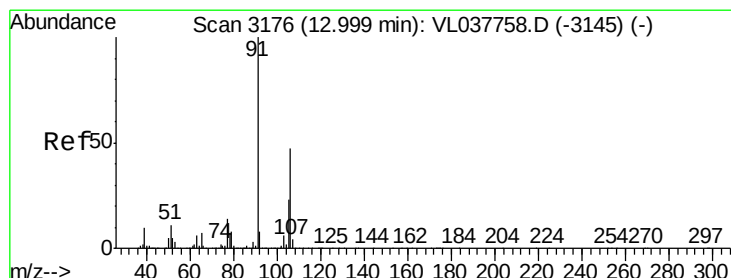
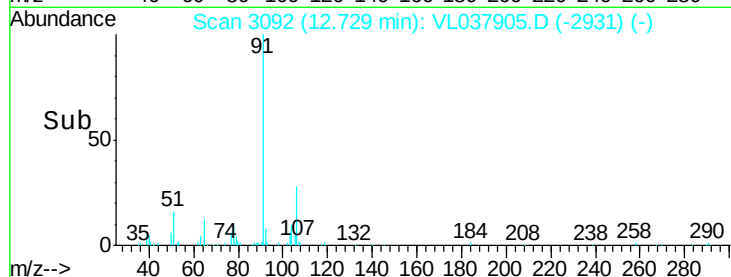
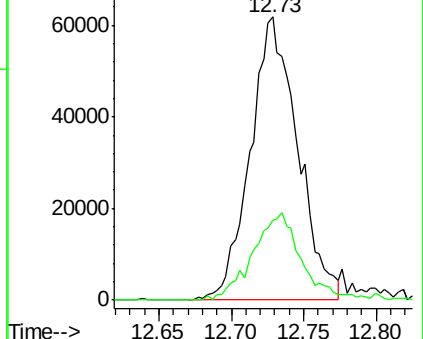
91 100

106 28.3 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.462 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.01 min

Lab File: VL037905.D

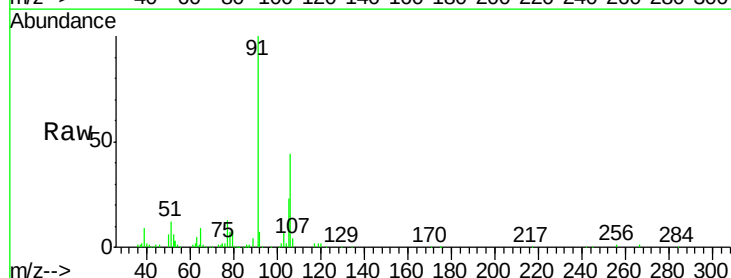
Acq: 25 Oct 2021 22:23

Tgt Ion: 91 Resp: 192265

Ion Ratio Lower Upper

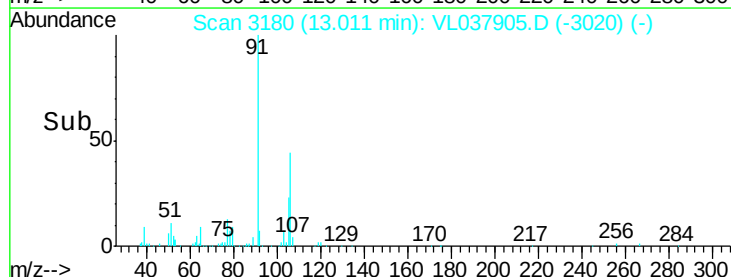
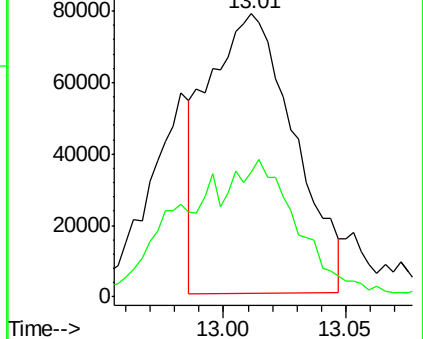
91 100

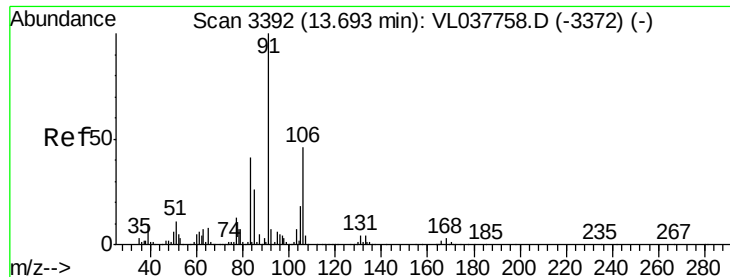
106 68.1 36.7 55.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.302 ppbv

RT: 13.71

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

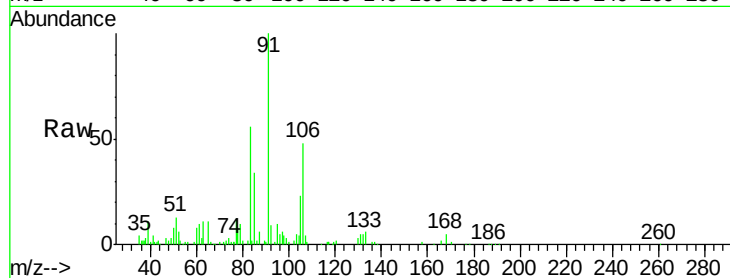
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 91 Resp: 120353

Ion Ratio Lower Upper

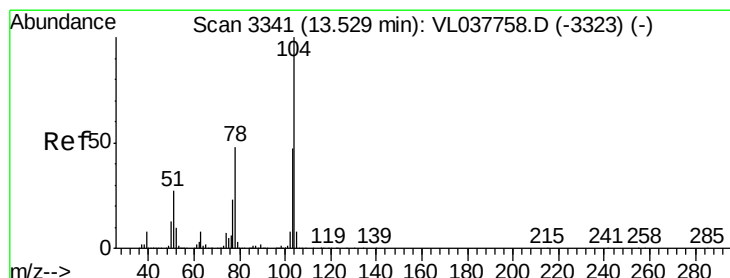
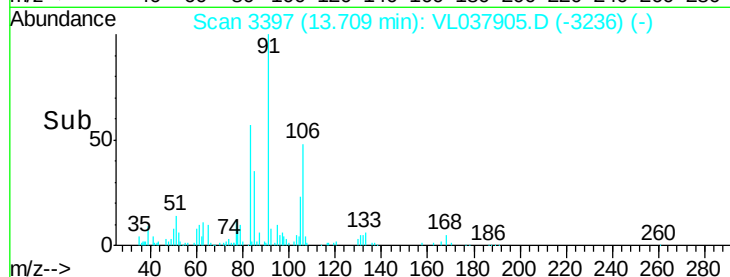
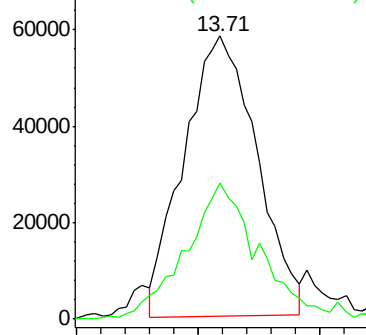
91 100

106 51.2 23.5 70.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.138 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

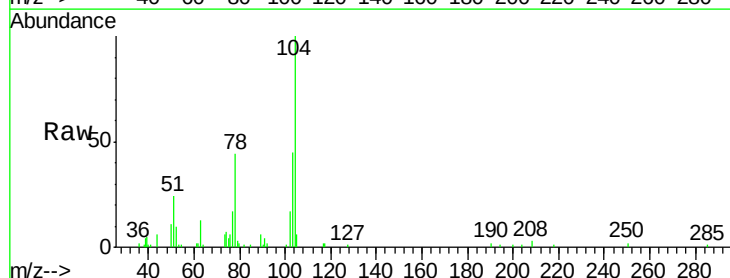
Tgt Ion: 104 Resp: 26651

Ion Ratio Lower Upper

104 100

78 87.7 40.6 61.0#

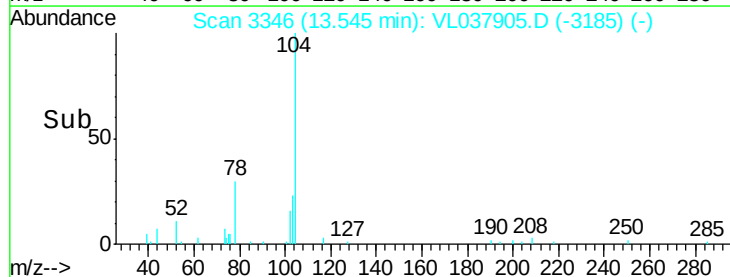
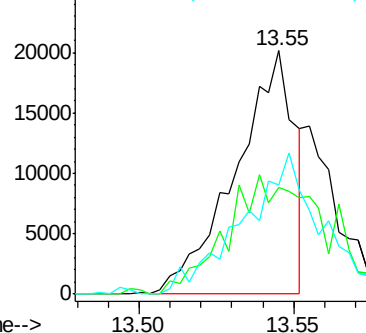
103 84.2 39.6 59.4#

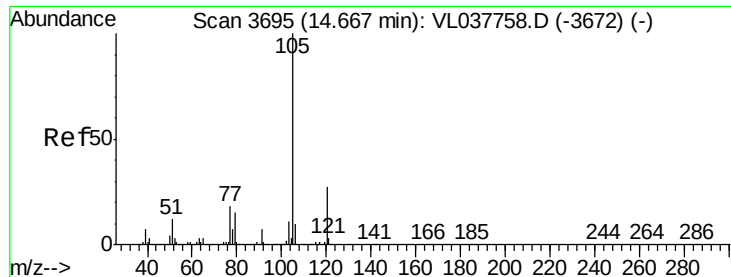


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.223 ppbv

RT: 14.68

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

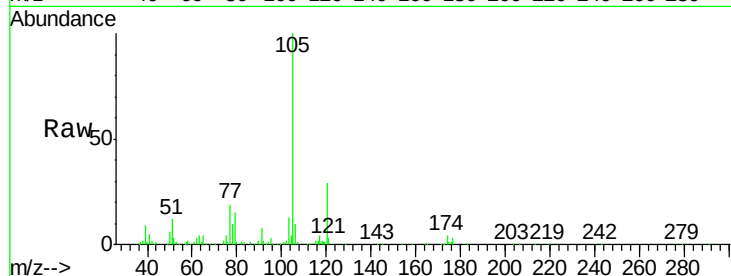
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion: 105 Resp: 124020

Ion Ratio Lower Upper

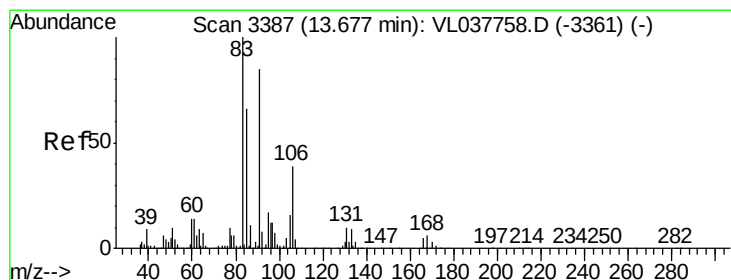
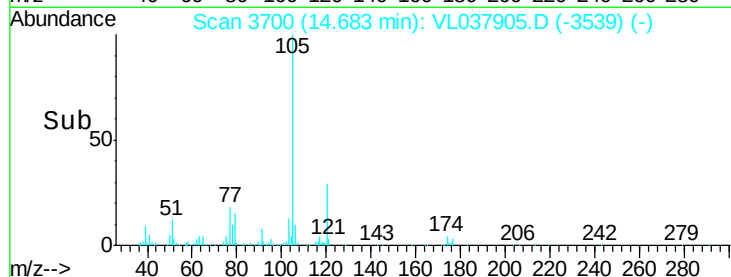
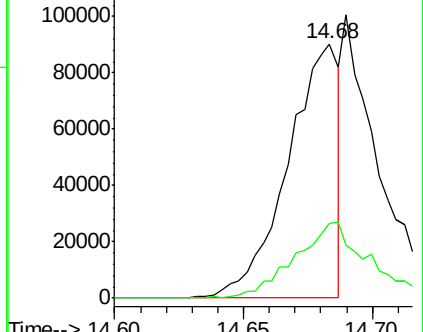
105 100

120 0.0 21.3 31.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.432 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

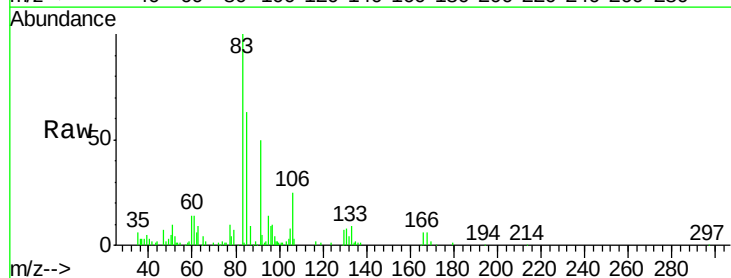
Tgt Ion: 83 Resp: 132960

Ion Ratio Lower Upper

83 100

131 11.8 5.0 15.0

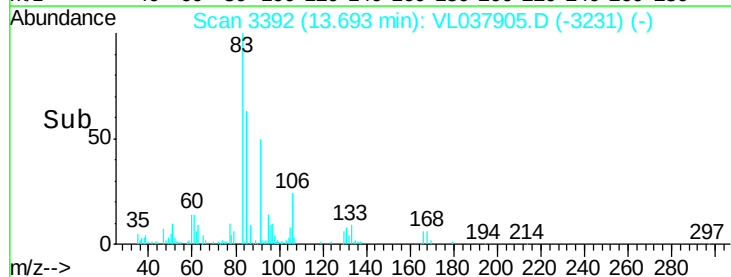
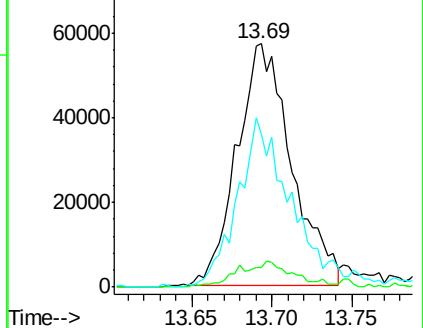
85 70.0 33.1 99.5



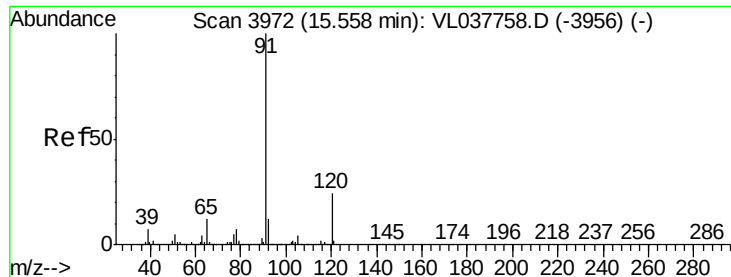
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0







#64

n-propylbenzene

Concen: 0.341 ppbv

RT: 15.58

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

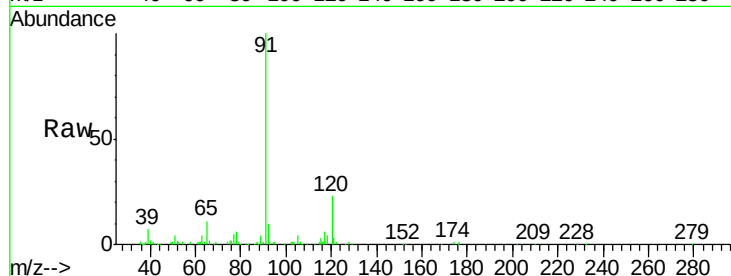
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tgt Ion:120 Resp: 47214

Ion Ratio Lower Upper

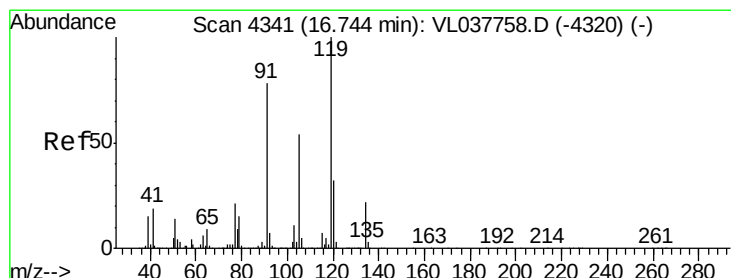
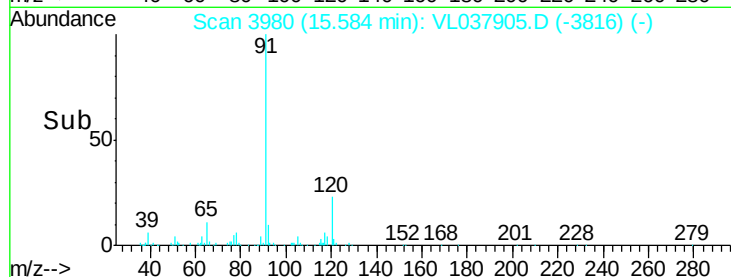
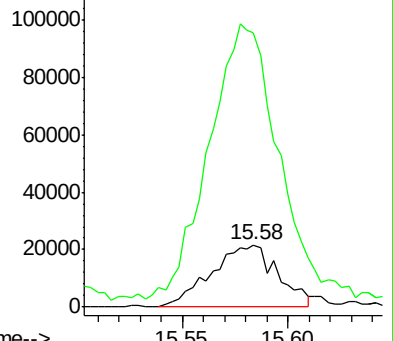
120 100

91 535.4 375.0 562.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.349 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

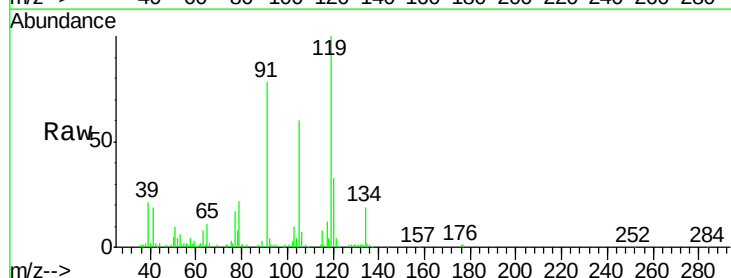
Tgt Ion:119 Resp: 170660

Ion Ratio Lower Upper

119 100

91 88.9 62.6 94.0

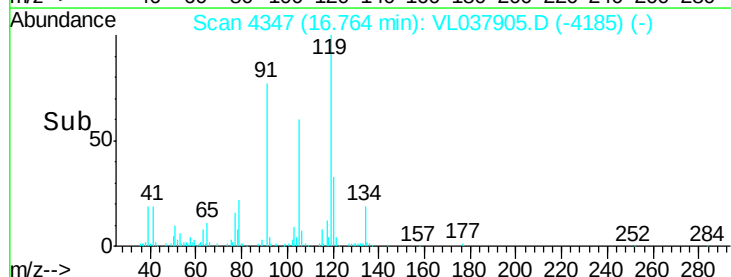
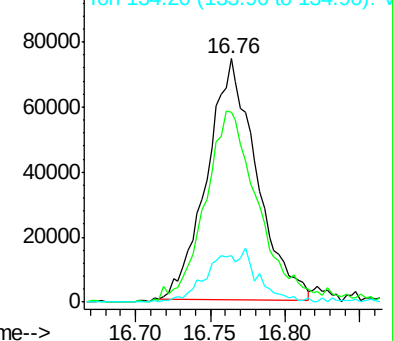
134 21.6 16.3 24.5

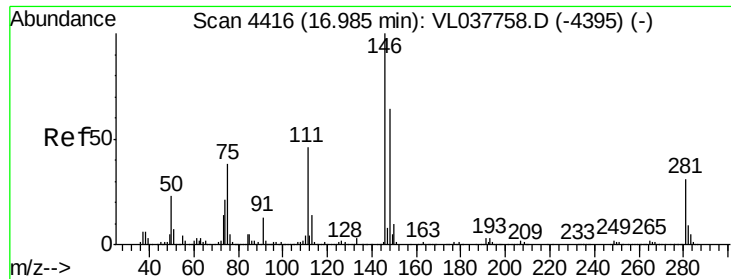


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

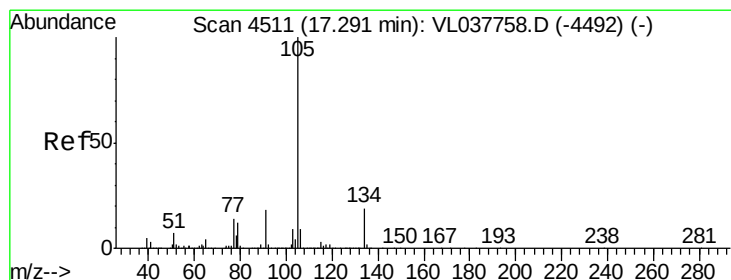
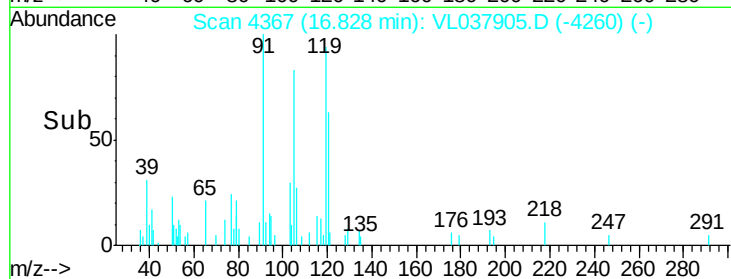
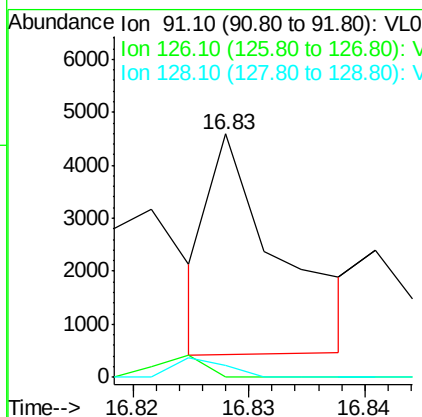
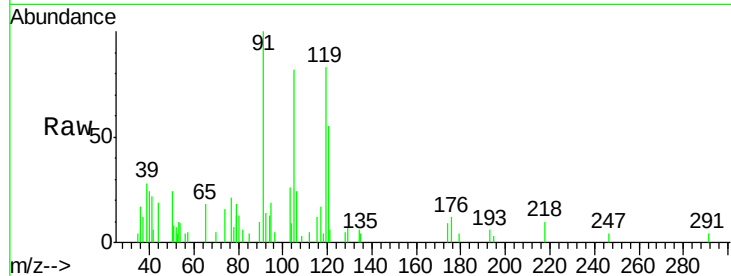
Ion 134.20 (133.90 to 134.90): V





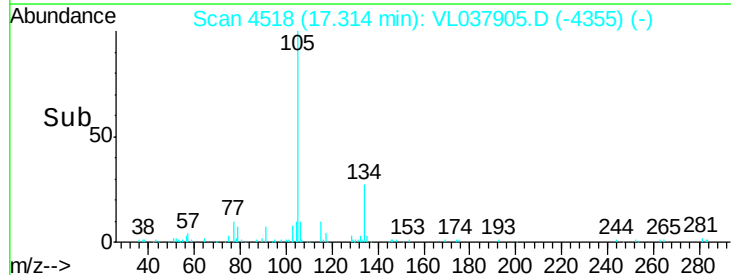
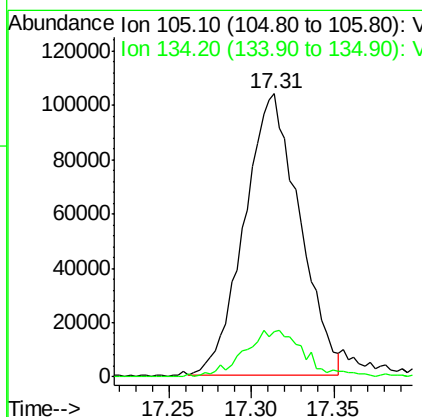
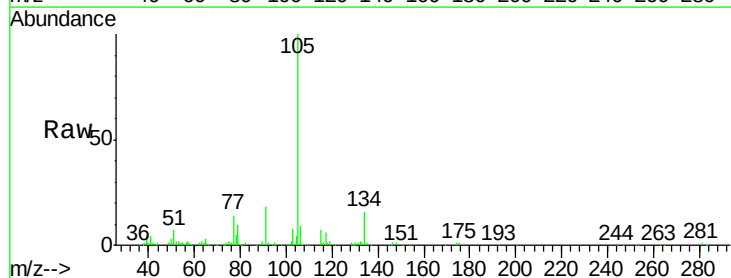
#66  
Benzyl Chloride  
Concen: 0.073 ppbv  
RT: 16.83 min  
Delta R.T. MSVOA.L  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

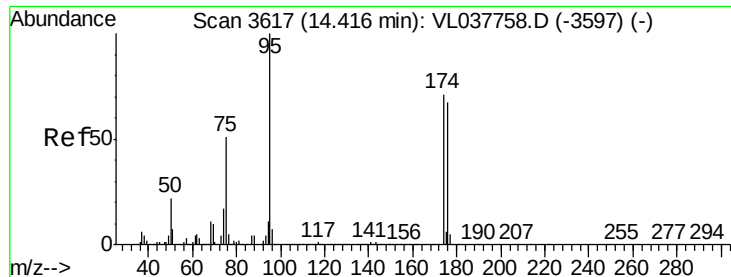
Tgt Ion: 91 Resp: 1761  
Ion Ratio Lower Upper  
91 100  
126 6.9 0.0 0.0#  
128 0.0 5.3 7.9#



#67  
sec-Butylbenzene  
Concen: 0.358 ppbv  
RT: 17.31 min Scan# 4518  
Delta R.T. 0.02 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

Tgt Ion: 105 Resp: 239652  
Ion Ratio Lower Upper  
105 100  
134 18.6 15.4 23.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.230 ppbv

RT: 14.43

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

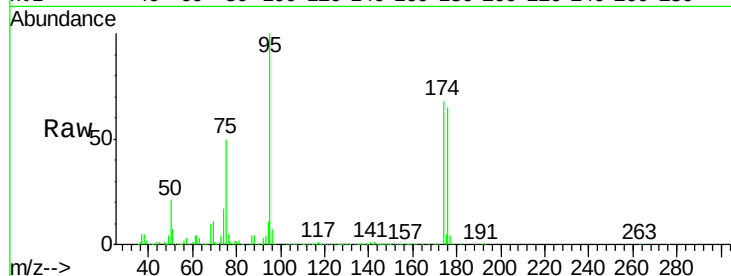
Tgt Ion: 95 Resp: 2580090

Ion Ratio Lower Upper

95 100

174 73.7 57.8 86.6

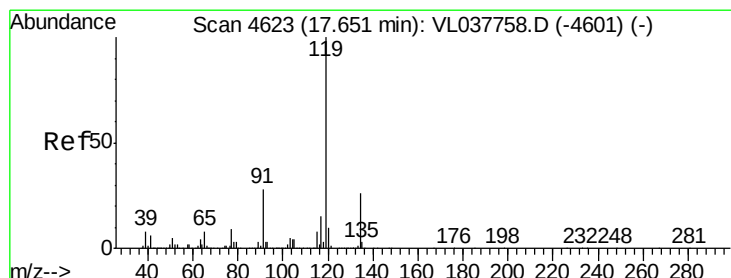
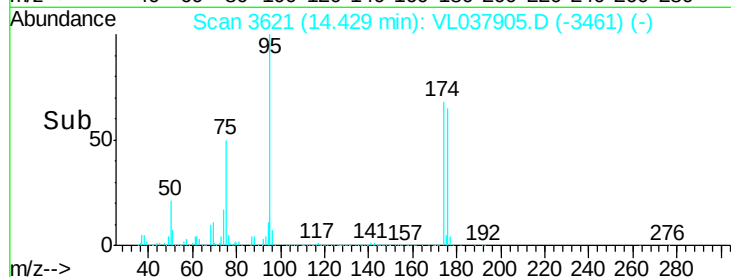
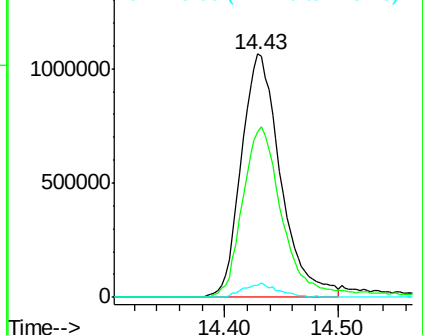
175 5.5 4.7 7.1



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



#69

p-Isopropyltoluene

Concen: 0.147 ppbv

RT: 17.67 min Scan# 4628

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

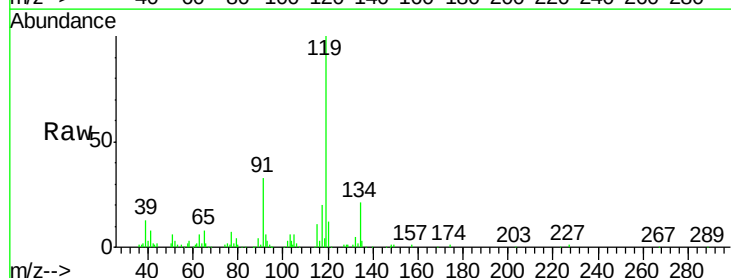
Tgt Ion: 119 Resp: 79280

Ion Ratio Lower Upper

119 100

134 59.5 21.2 31.8#

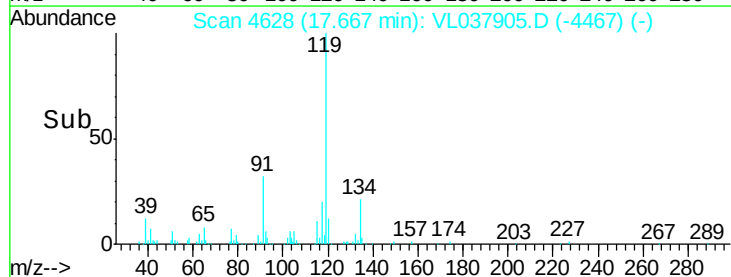
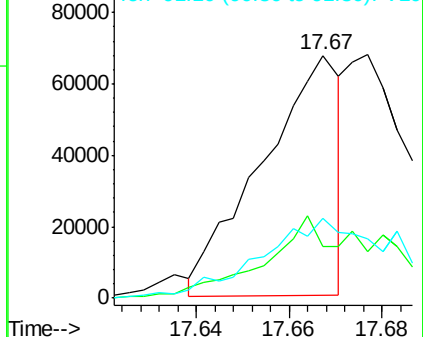
91 65.1 22.2 33.4#

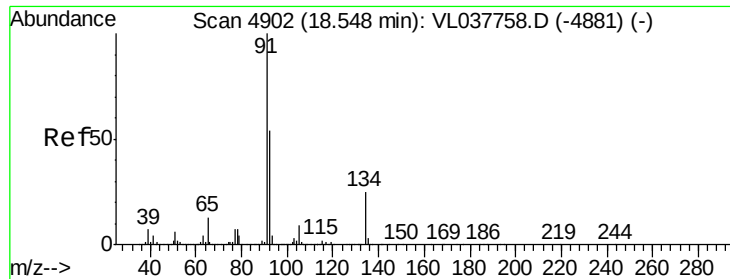


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

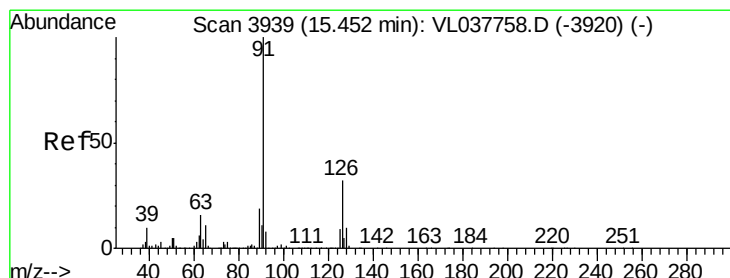
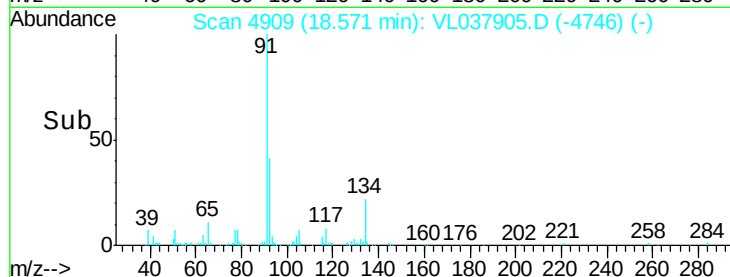
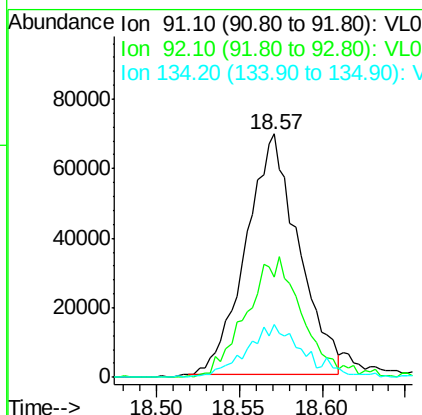
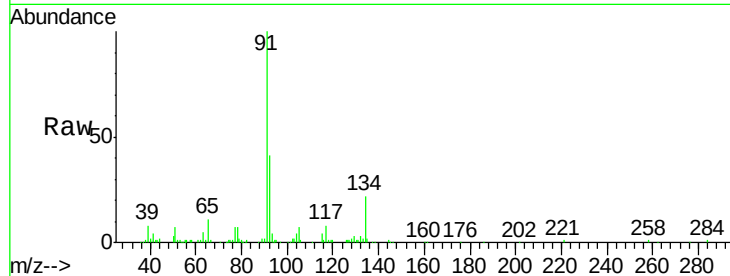
Ion 91.10 (90.80 to 91.80): VL0





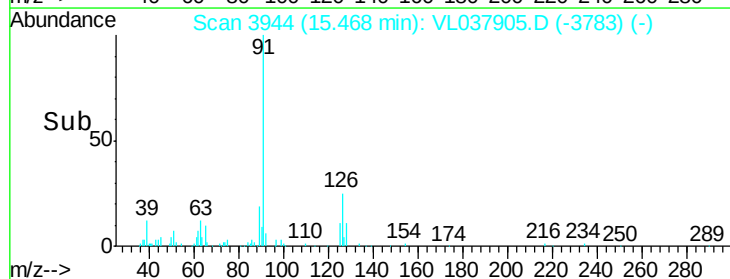
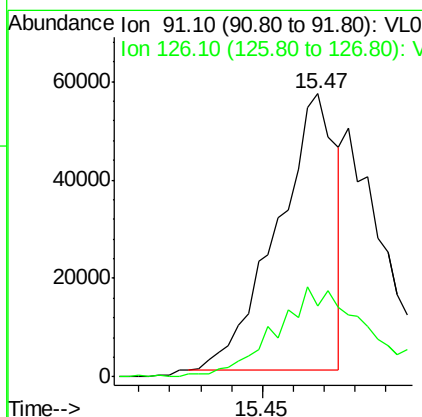
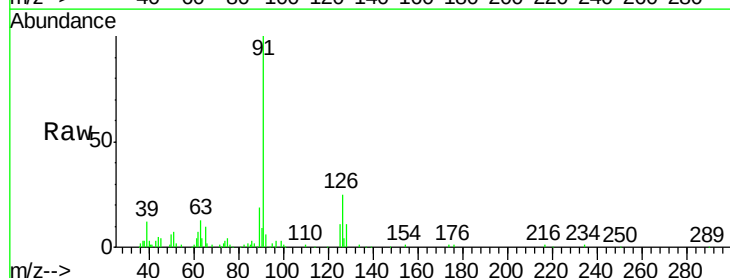
#70  
n-Butylbenzene  
Concen: 0.298 ppbv  
RT: 18.57 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

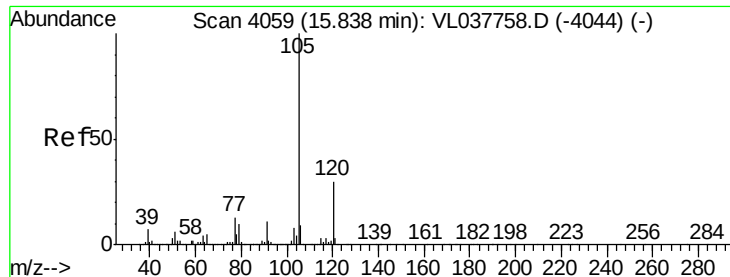
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 153189 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 53.9  | 43.4  | 65.0   |
| 134      | 23.9  | 19.8  | 29.6   |



#71  
2-Chlorotoluene  
Concen: 0.188 ppbv  
RT: 15.47 min Scan# 3944  
Delta R.T.: 0.02 min  
Lab File: VL037905.D  
Acq: 25 Oct 2021 22:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 73621 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 53.9  | 13.6  | 54.6  |





#72

4-Ethyltoluene

Concen: 0.287 ppbv

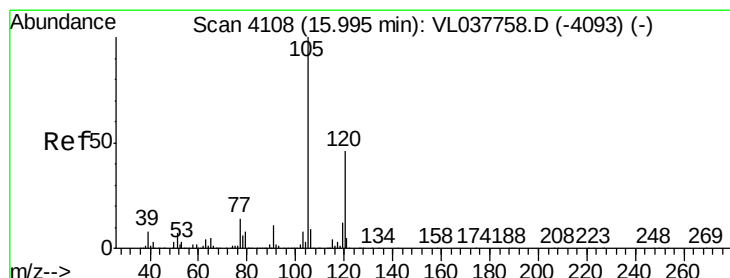
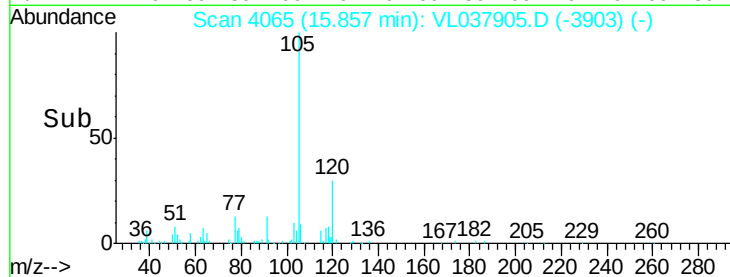
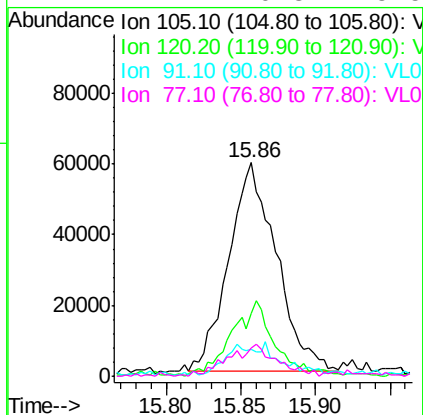
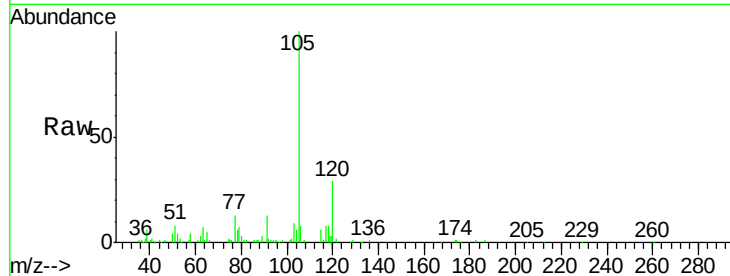
RT: 15.86

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 105  | Resp: | 129755 |
| Ion Ratio |      | Lower | Upper  |
| 105       | 100  |       |        |
| 120       | 34.3 | 24.2  | 36.2   |
| 91        | 18.1 | 10.4  | 15.6#  |
| 77        | 17.4 | 10.3  | 15.5#  |



#73

1,3,5-Trimethylbenzene

Concen: 0.329 ppbv

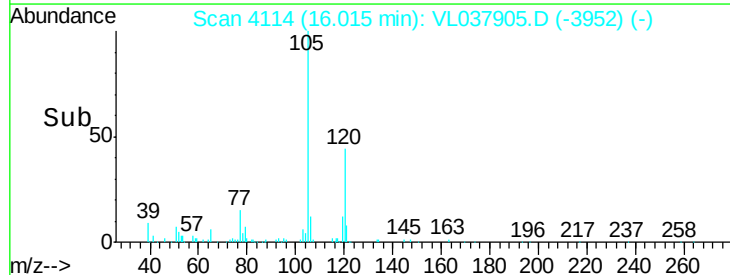
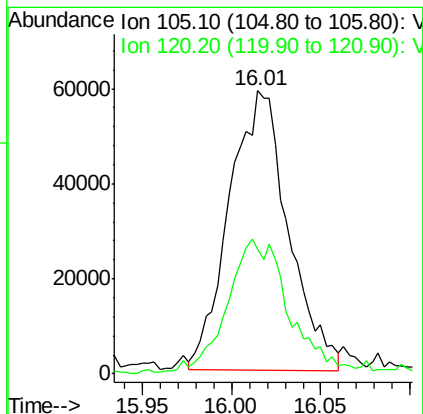
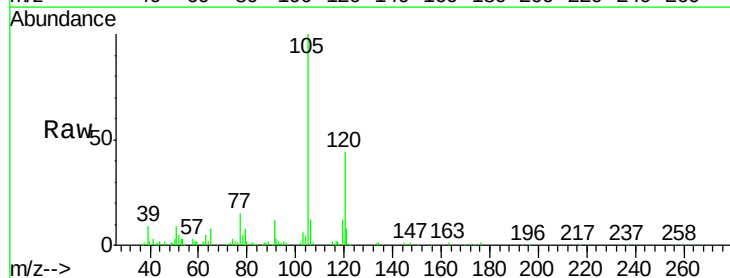
RT: 16.01 min Scan# 4114

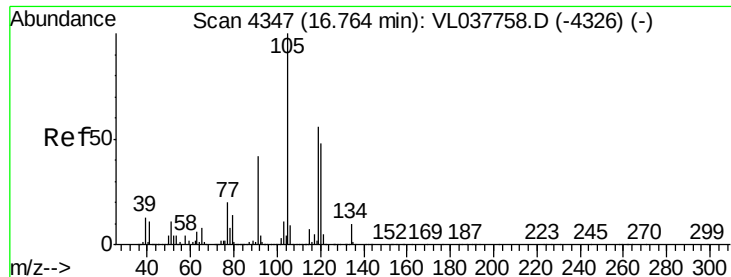
Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 105  | Resp: | 135130 |
| Ion Ratio |      | Lower | Upper  |
| 105       | 100  |       |        |
| 120       | 42.8 | 36.6  | 54.8   |





#74

1,2,4-Trimethylbenzene

Concen: 0.185 ppbv

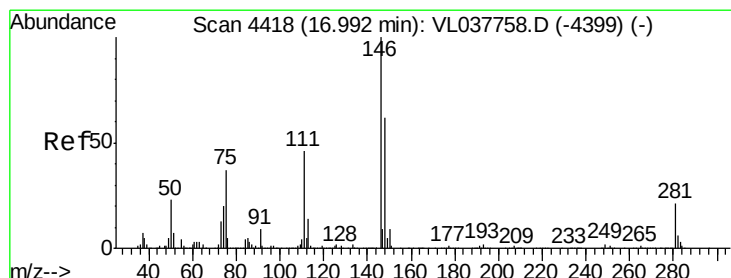
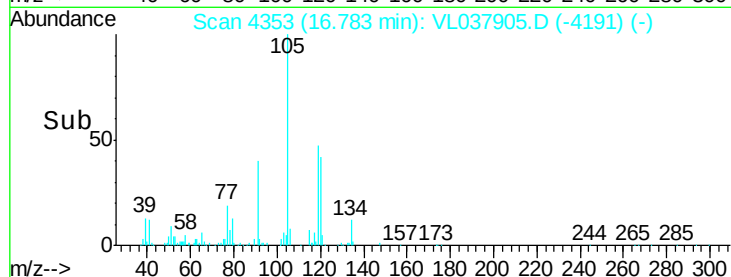
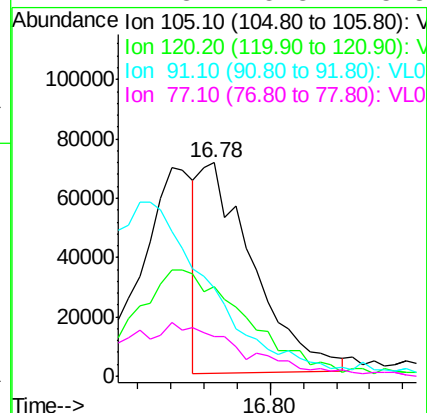
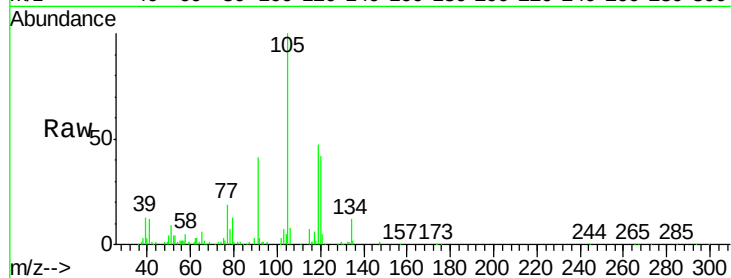
RT: 16.78

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 79767 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 41.9  | 38.4  | 57.6  |
| 91        | 40.1  | 34.2  | 51.2  |
| 77        | 17.3  | 15.8  | 23.8  |



#75

1,3-Dichlorobenzene

Concen: 0.253 ppbv

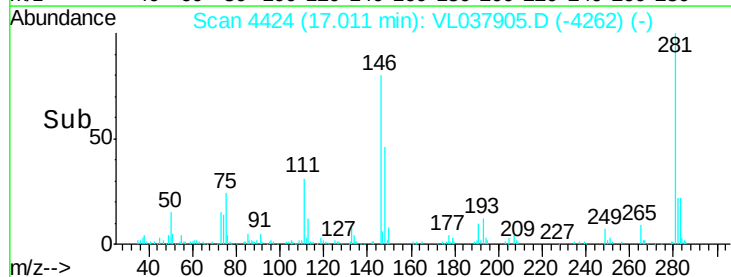
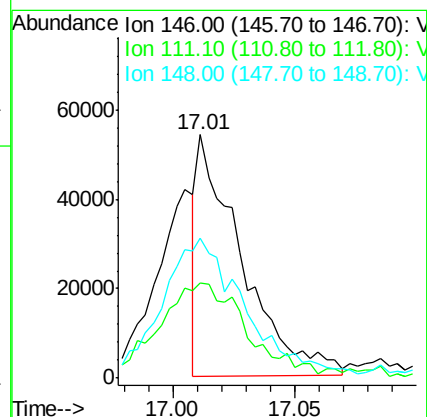
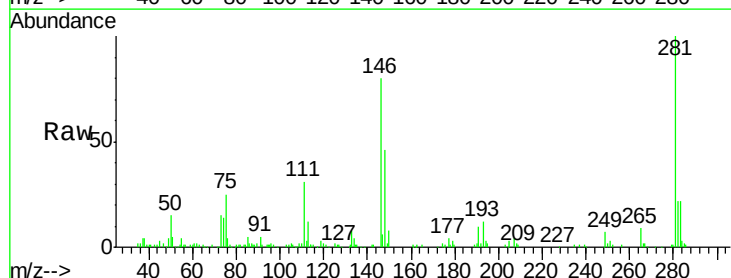
RT: 17.01 min Scan# 4424

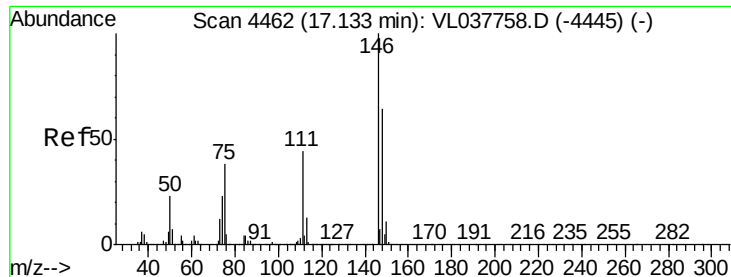
Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

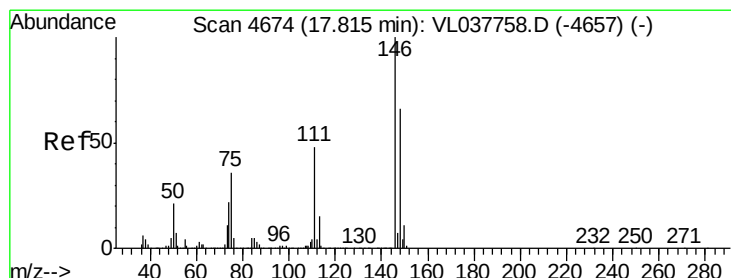
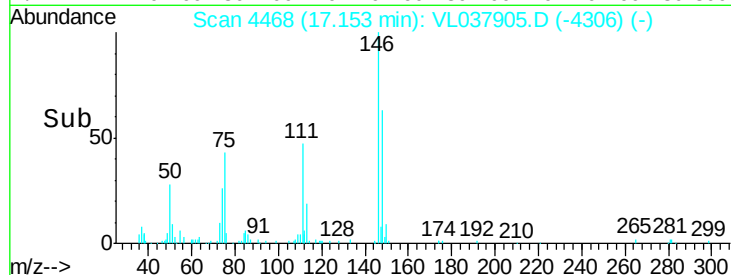
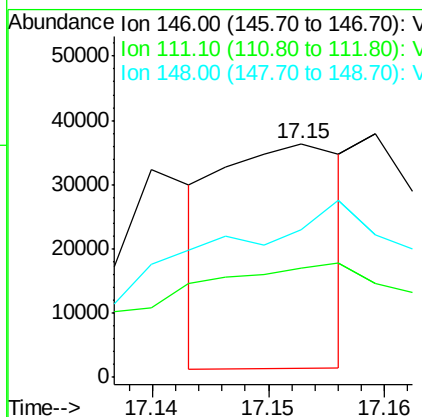
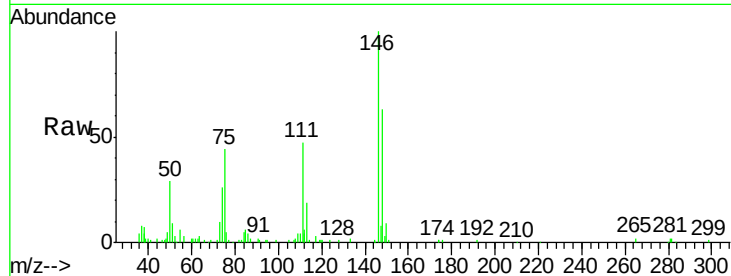
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 67587 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 84.6  | 22.8  | 68.4# |
| 148       | 113.0 | 32.8  | 98.3# |





#76  
 1,4-Dichlorobenzene  
 Concen: 0.101 ppbv  
 RT: 17.15 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 25 Oct 2021 22:23

Tgt Ion:146 Resp: 25699  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 22.4 67.3#  
 148 0.0 33.3 99.9#



#77  
 1,2-Dichlorobenzene  
 Concen: 0.254 ppbv  
 RT: 17.83 min Scan# 4679  
 Delta R.T. 0.02 min  
 Lab File: VL037905.D  
 Acq: 25 Oct 2021 22:23

Tgt Ion:146 Resp: 65141  
 Ion Ratio Lower Upper  
 146 100  
 111 79.3 23.6 70.8#  
 148 106.4 32.9 98.6#

