

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\  
 Data File : VL037715.D  
 Acq On : 28 Sep 2021 23:10  
 Operator : SY/AP  
 Sample : M3948-04DL 40X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Sep 29 03:42:44 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Sep 16 13:42:46 2021  
 QLast Update : Thu Sep 16 13:42:46 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1380395  | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 4071339  | 10.00 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3617605  | 10.00 | ppbv  | 0.02     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2858642  | 10.93    | ppbv | 0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 109.30% |

## Target Compounds

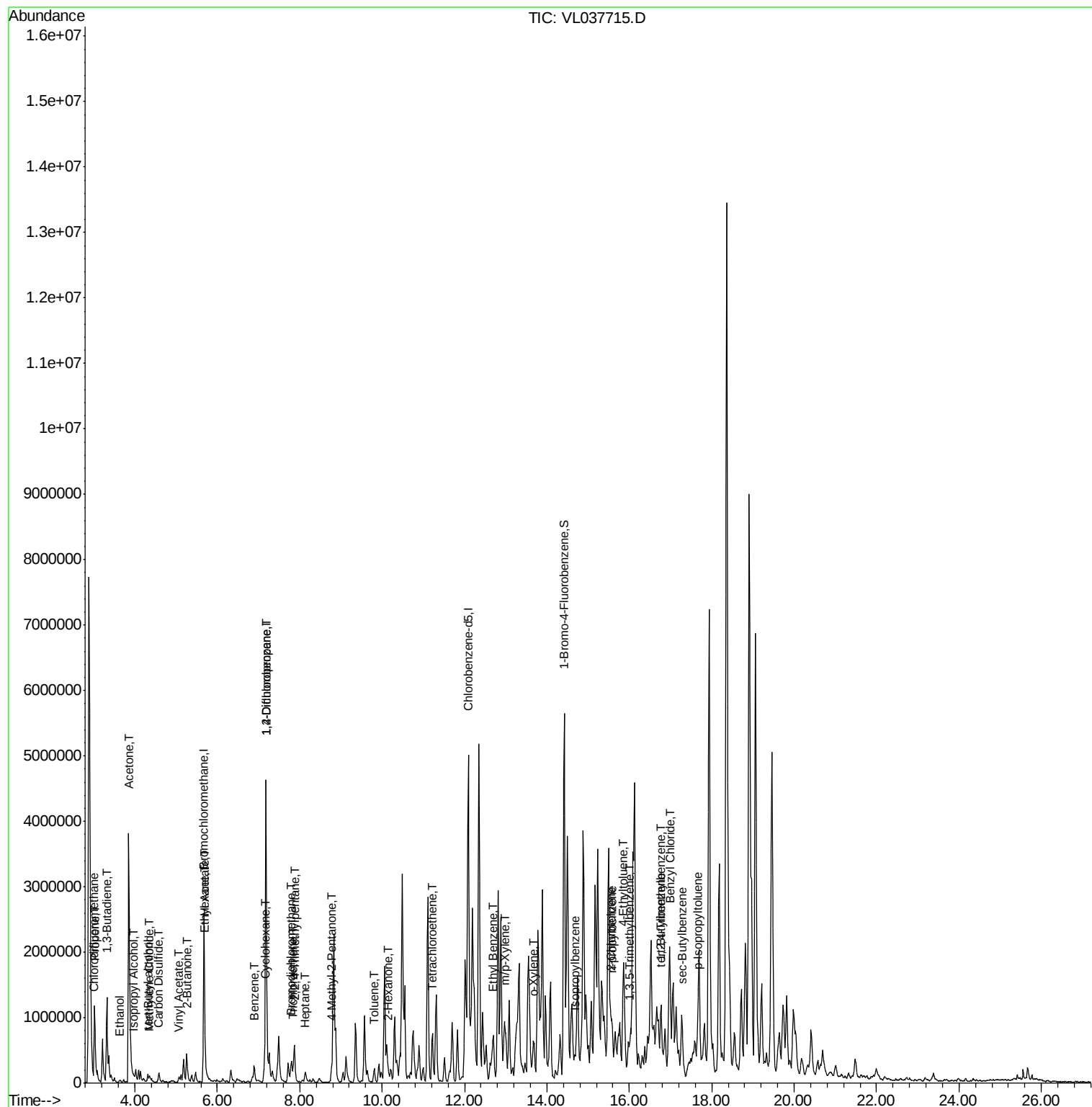
|                            |       |     |         |              | Ovalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 3) Chlorodifluoromethane   | 3.00  | 51  | 15592   | 0.060 ppbv   | 97     |
| 9) Propene                 | 3.02  | 41  | 641937  | 6.989 ppbv   | 90     |
| 10) Heptane                | 8.12  | 43  | 46594   | 0.217 ppbv   | 87     |
| 13) Ethanol                | 3.62  | 45  | 13387   | 1.490 ppbv # | 1      |
| 15) Acetone                | 3.85  | 43  | 5421657 | 37.802 ppbv  | 99     |
| 16) 1,3-Butadiene          | 3.32  | 39  | 412436  | 4.602 ppbv # | 25     |
| 17) tert-Butyl alcohol     | 4.31  | 59  | 32329   | 0.266 ppbv # | 65     |
| 19) Isopropyl Alcohol      | 3.98  | 45  | 8666    | 0.111 ppbv # | 89     |
| 20) Methylene Chloride     | 4.35  | 84  | 14839   | 0.217 ppbv # | 78     |
| 23) Vinyl Acetate          | 5.07  | 43  | 18234   | 0.092 ppbv # | 64     |
| 25) Ethyl Acetate          | 5.70  | 43  | 31281   | 0.090 ppbv # | 91     |
| 26) Hexane                 | 5.69  | 57  | 37808   | 0.229 ppbv # | 28     |
| 27) Carbon Disulfide       | 4.57  | 76  | 8813    | 0.058 ppbv # | 15     |
| 30) Cyclohexane            | 7.15  | 84  | 26042   | 0.185 ppbv # | 1      |
| 34) 2-Butanone             | 5.25  | 43  | 596278  | 3.604 ppbv   | 96     |
| 36) Benzene                | 6.90  | 78  | 218865  | 0.645 ppbv # | 93     |
| 38) Trichloroethene        | 7.84  | 130 | 31026   | 0.219 ppbv # | 82     |
| 39) 1,2-Dichloropropane    | 7.18  | 63  | 955524  | 7.348 ppbv # | 26     |
| 42) Bromodichloromethane   | 7.80  | 83  | 22302   | 0.093 ppbv # | 27     |
| 44) 2,2,4-Trimethylpentane | 7.87  | 57  | 32289   | 0.057 ppbv # | 1      |
| 50) 4-Methyl-2-Pentanone   | 8.77  | 43  | 33279   | 0.158 ppbv # | 82     |
| 51) 2-Hexanone             | 10.15 | 43  | 81444   | 0.879 ppbv # | 39     |
| 52) Tetrachloroethene      | 11.23 | 164 | 13744   | 0.105 ppbv # | 76     |
| 53) Toluene                | 9.81  | 91  | 92732   | 0.246 ppbv   | 93     |
| 58) Ethyl Benzene          | 12.71 | 91  | 67580   | 0.141 ppbv   | 93     |
| 59) m/p-Xylene             | 13.00 | 91  | 178975  | 0.428 ppbv # | 31     |
| 60) o-Xylene               | 13.69 | 91  | 298470  | 0.749 ppbv   | 98     |
| 62) Isopropylbenzene       | 14.67 | 105 | 175798  | 0.316 ppbv   | 100    |
| 64) n-propylbenzene        | 15.57 | 120 | 10354   | 0.072 ppbv # | 1      |
| 65) tert-Butylbenzene      | 16.75 | 119 | 32888   | 0.066 ppbv # | 28     |
| 66) Benzyl Chloride        | 16.99 | 91  | 1449    | 0.053 ppbv # | 65     |
| 67) sec-Butylbenzene       | 17.30 | 105 | 71890   | 0.106 ppbv   | 97     |
| 69) p-Isopropyltoluene     | 17.65 | 119 | 122501  | 0.220 ppbv   | 98     |
| 71) 2-Chlorotoluene        | 15.56 | 91  | 131575  | 0.330 ppbv   | 76     |
| 72) 4-Ethyltoluene         | 15.84 | 105 | 49559   | 0.108 ppbv # | 28     |
| 73) 1,3,5-Trimethylbenzene | 16.00 | 105 | 161967  | 0.380 ppbv   | 90     |
| 74) 1,2,4-Trimethylbenzene | 16.76 | 105 | 424765  | 0.946 ppbv # | 77     |

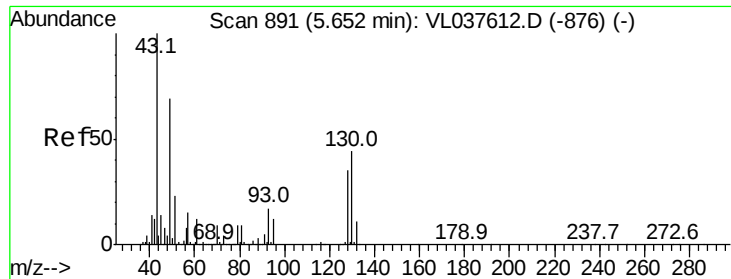
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092821\  
Data File : VL037715.D  
Acq On : 28 Sep 2021 23:10  
Operator : SY/AP  
Sample : M3948-04DL 40X  
Misc : 400mL/MSVOA L  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Sep 29 03:42:44 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Sep 16 13:42:46 2021  
QLast Update : Thu Sep 16 13:42:46 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA\_L

Lab File:

Acq: 28 Sep 2021 23:10

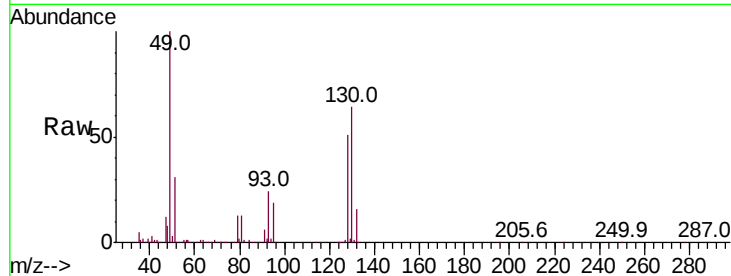
Tot Ion: 49 Resp: 1380395

Ion Ratio Lower Upper

49 100

128 53.2 27.9 83.6

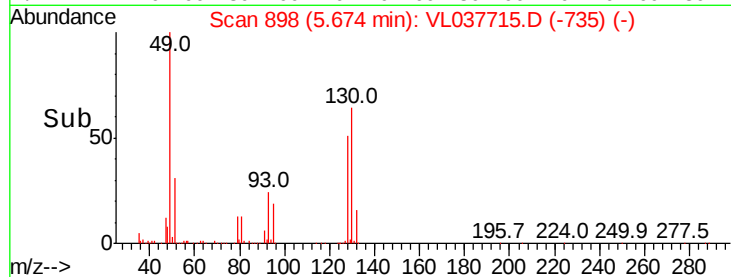
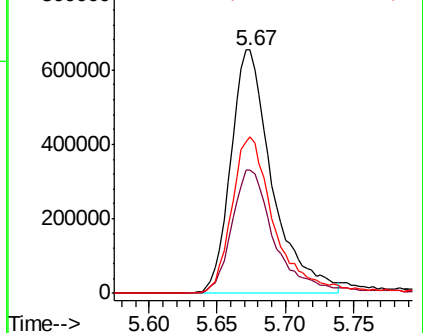
130 68.4 33.9 101.7



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



#3

Chlorodifluoromethane

Concen: 0.060 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL037715.D

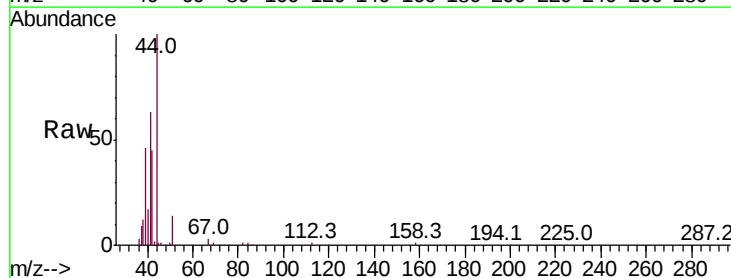
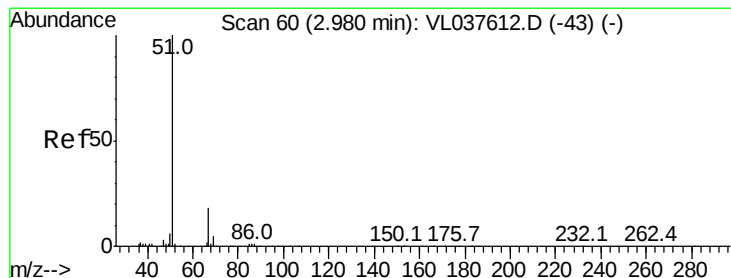
Acq: 28 Sep 2021 23:10

Tgt Ion: 51 Resp: 15592

Ion Ratio Lower Upper

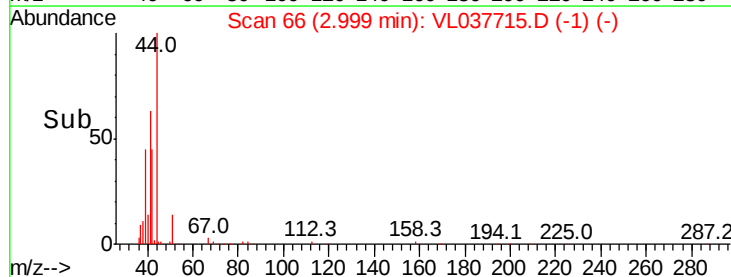
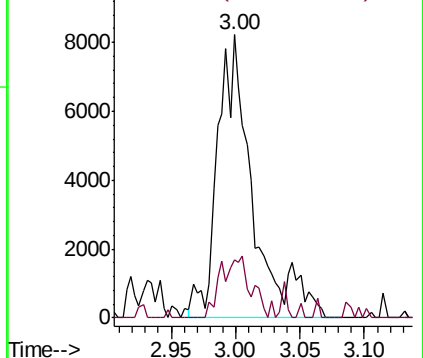
51 100

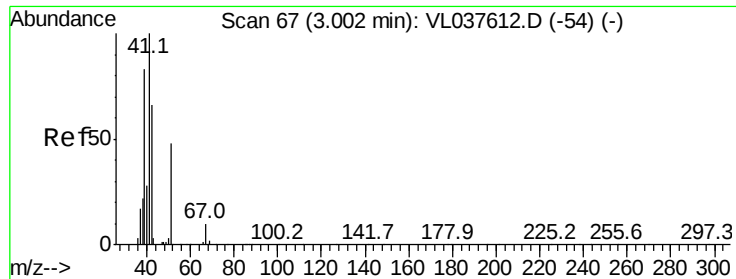
67 18.9 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

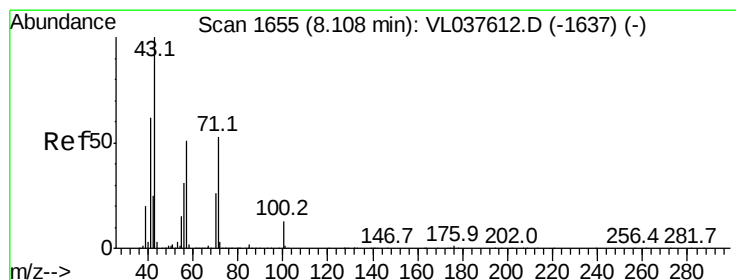
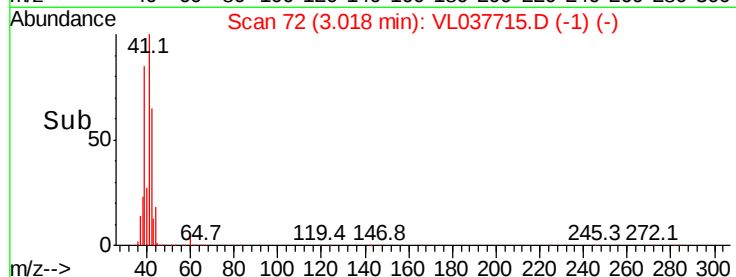
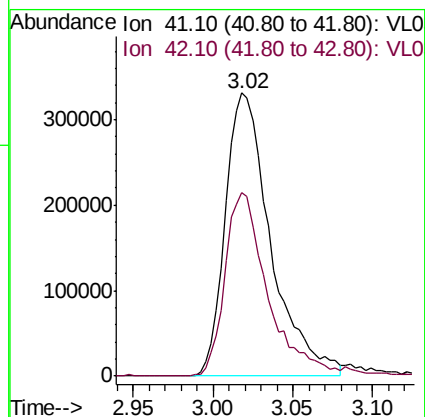
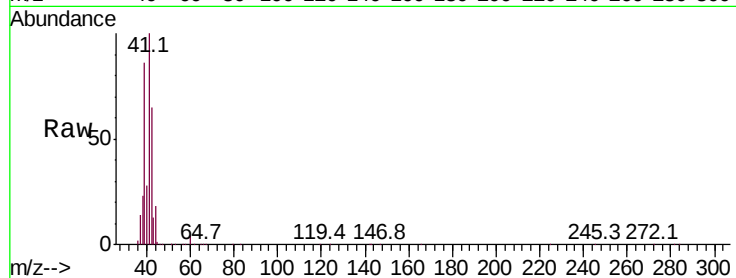
Ion 67.00 (66.70 to 67.70): VL0





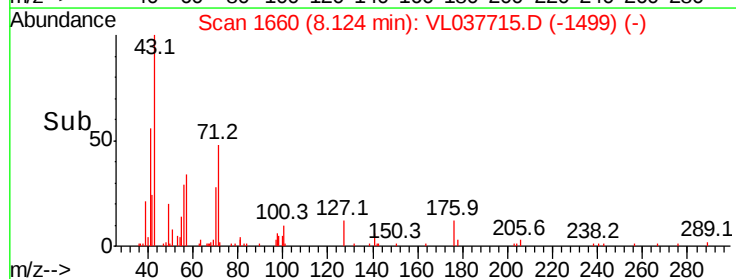
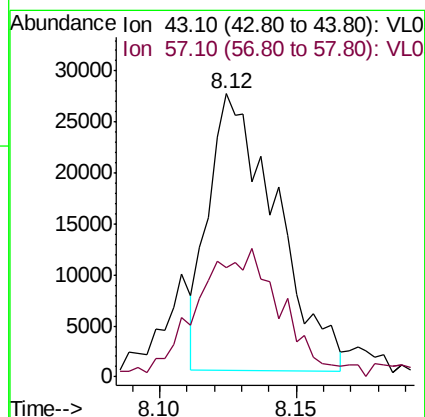
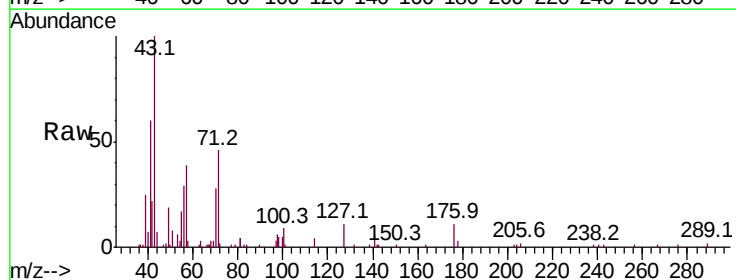
#9  
 Propene  
 Concen: 6.989 ppbv  
 RT: 3.02  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 28 Sep 2021 23:10

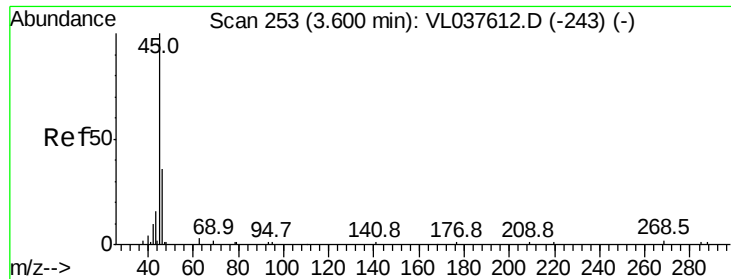
Tot Ion: 41 Resp: 641937  
 Ion Ratio Lower Upper  
 41 100  
 42 62.8 57.2 85.8



#10  
 Heptane  
 Concen: 0.217 ppbv  
 RT: 8.12 min Scan# 1660  
 Delta R.T. 0.02 min  
 Lab File: VL037715.D  
 Acq: 28 Sep 2021 23:10

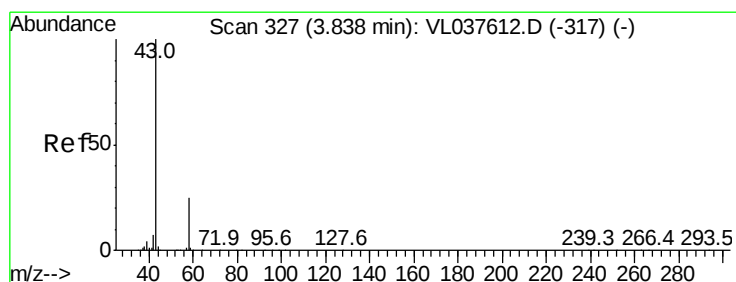
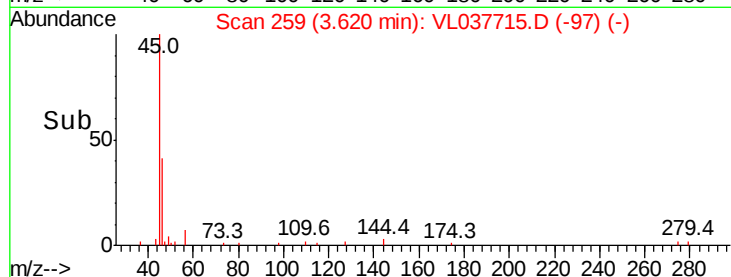
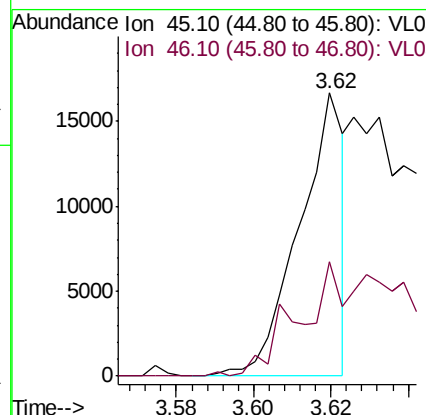
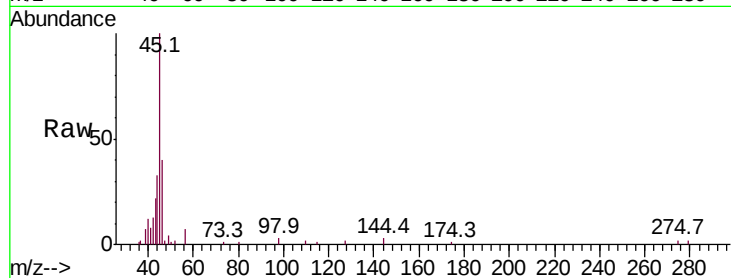
Tgt Ion: 43 Resp: 46594  
 Ion Ratio Lower Upper  
 43 100  
 57 58.9 40.1 60.1





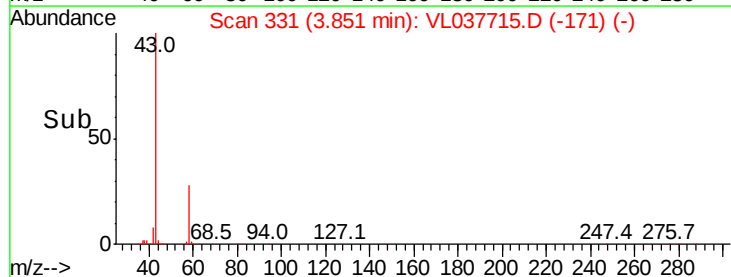
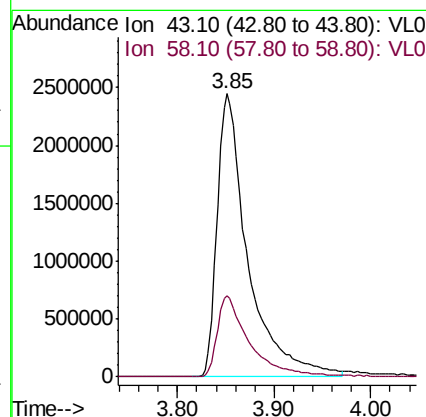
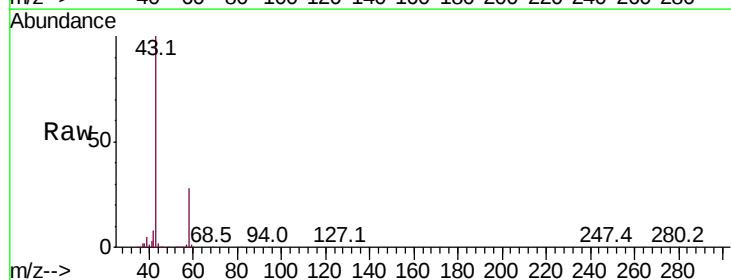
#13  
 Ethanol  
 Concen: 1.490 ppbv  
 RT: 3.62  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 28 Sep 2021 23:10

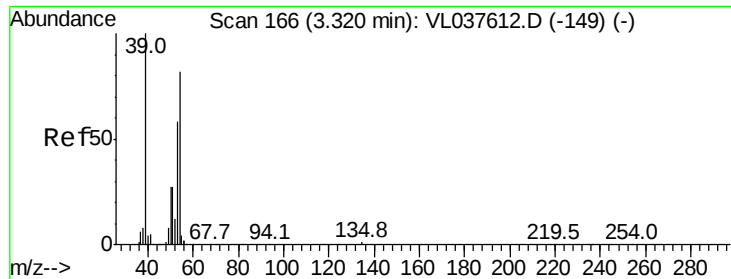
Tot Ion: 45 Resp: 13387  
 Ion Ratio Lower Upper  
 45 100  
 46 136.7 17.2 68.8#



#15  
 Acetone  
 Concen: 37.802 ppbv  
 RT: 3.85 min Scan# 331  
 Delta R.T. 0.01 min  
 Lab File: VL037715.D  
 Acq: 28 Sep 2021 23:10

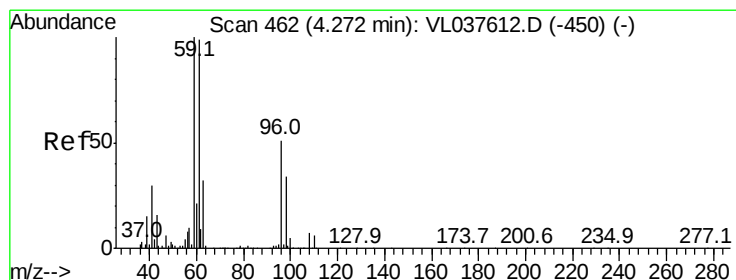
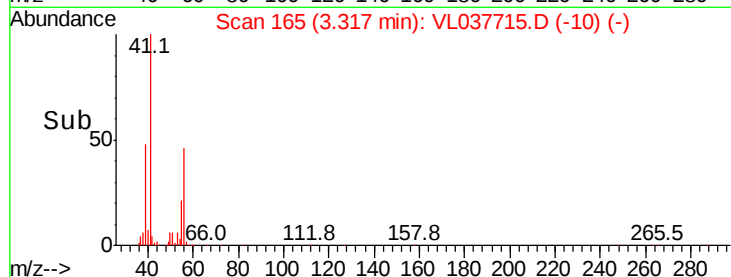
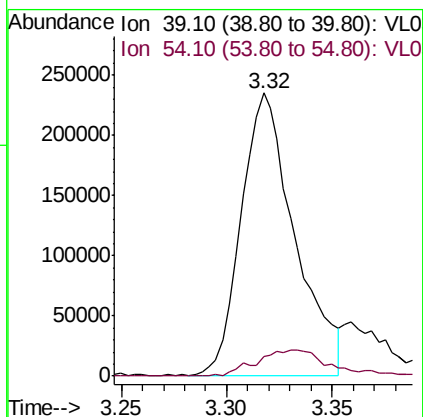
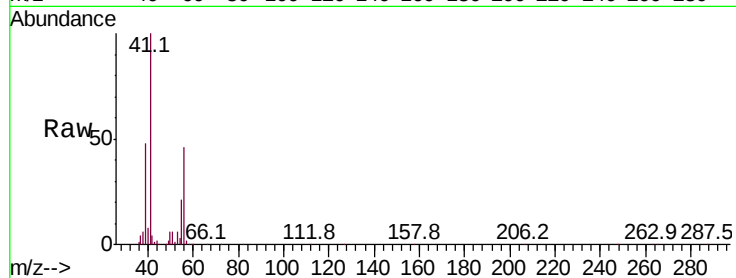
Tgt Ion: 43 Resp: 5421657  
 Ion Ratio Lower Upper  
 43 100  
 58 30.4 24.9 37.3





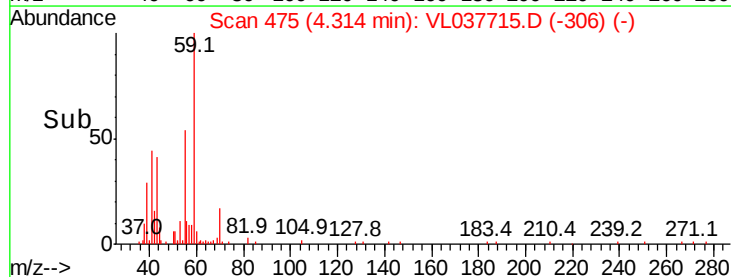
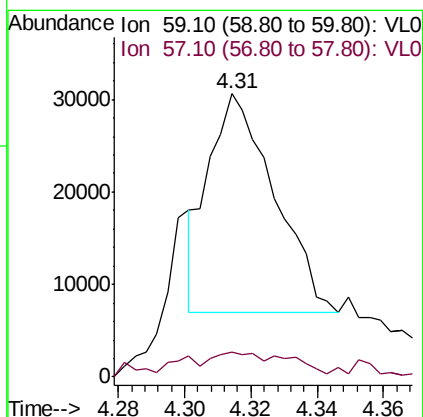
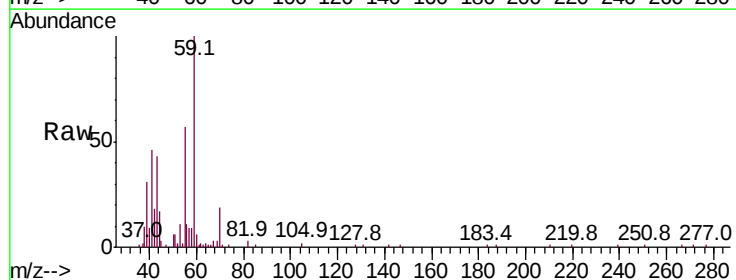
#16  
 1,3-Butadiene  
 Concen: 4.602 ppbv  
 RT: 3.32  
 Delta R.T. MSVOA\_1  
 Lab File: ClientSampleId :  
 Acq: 28 Sep 2021 23:10

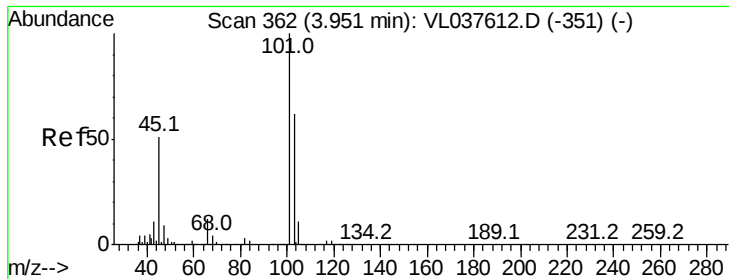
Tot Ion: 39 Resp: 412436  
 Ion Ratio Lower Upper  
 39 100  
 54 12.8 62.6 93.8#



#17  
 tert-Butyl alcohol  
 Concen: 0.266 ppbv  
 RT: 4.31 min Scan# 475  
 Delta R.T. 0.04 min  
 Lab File: VL037715.D  
 Acq: 28 Sep 2021 23:10

Tgt Ion: 59 Resp: 32329  
 Ion Ratio Lower Upper  
 59 100  
 57 23.8 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 0.111 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

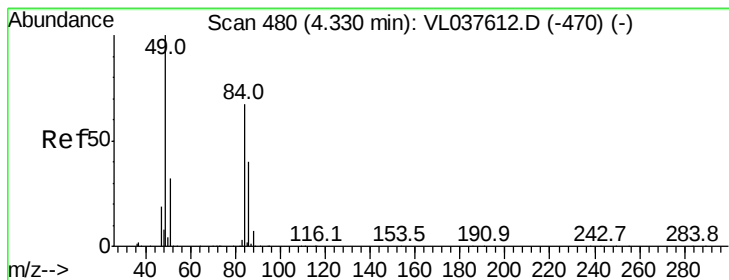
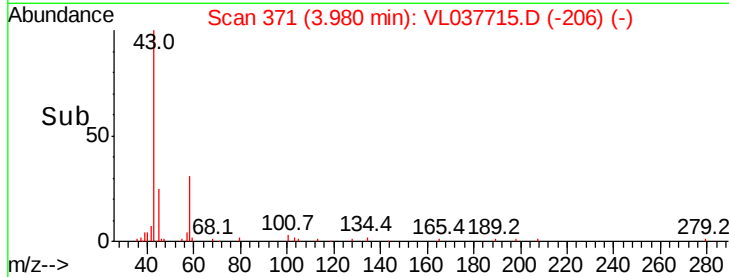
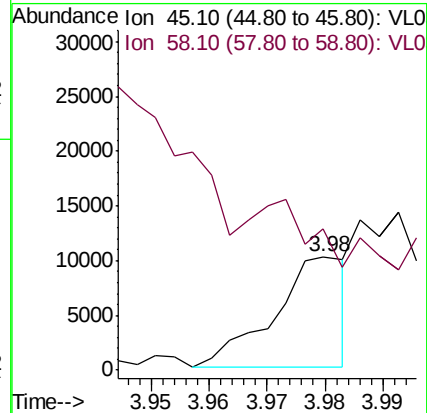
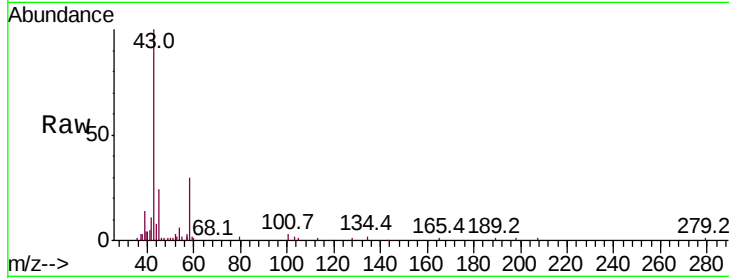
Acq: 28 Sep 2021 23:10

Tot Ion: 45 Resp: 8666

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



#20

Methylene Chloride

Concen: 0.217 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037715.D

Acq: 28 Sep 2021 23:10

Tgt Ion: 84 Resp: 14839

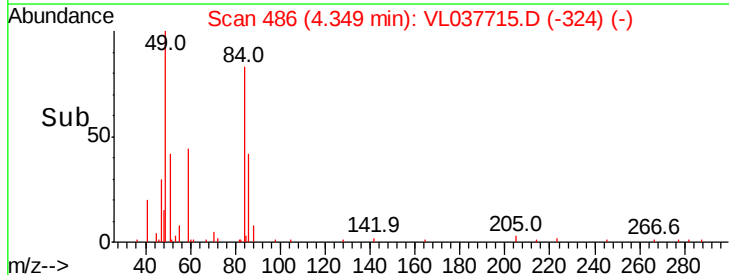
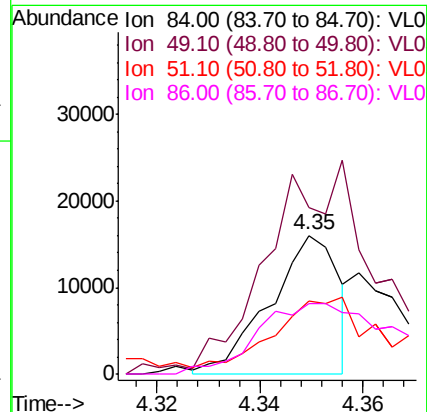
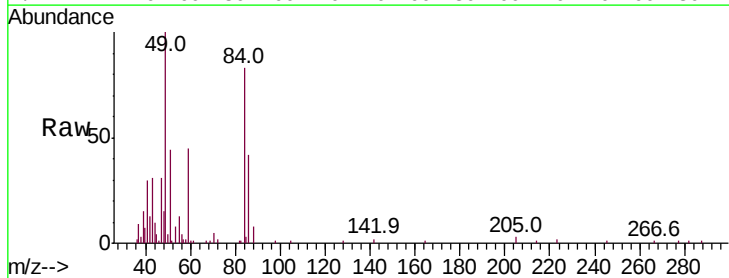
Ion Ratio Lower Upper

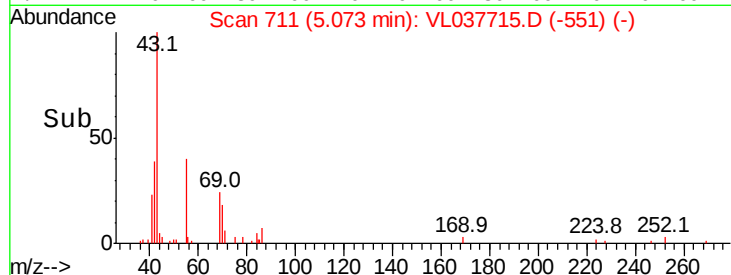
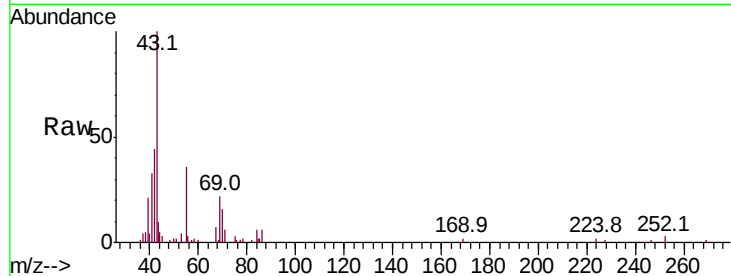
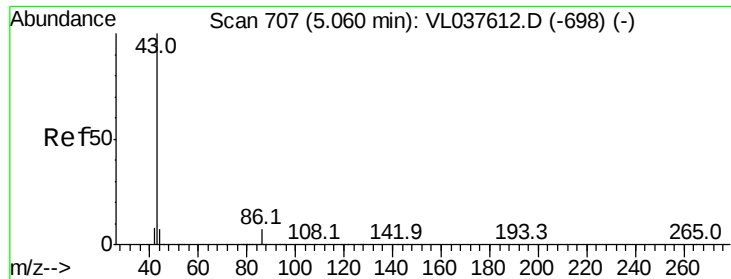
84 100

49 112.6 120.0 180.0#

51 50.1 38.0 57.0

86 46.6 48.2 72.2#





#23

Vinyl Acetate

Concen: 0.092 ppbv

RT: 5.07 min

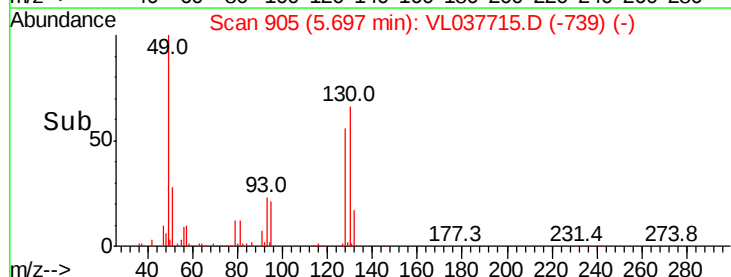
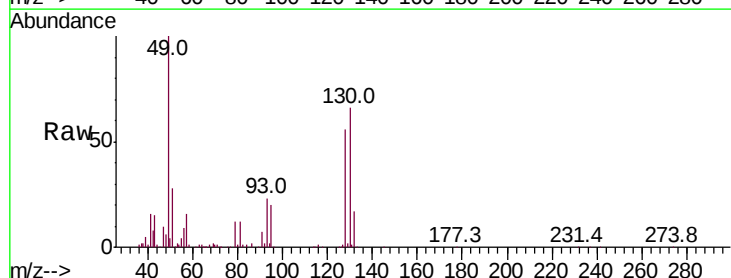
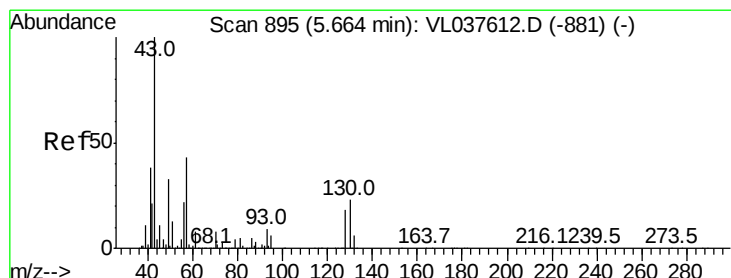
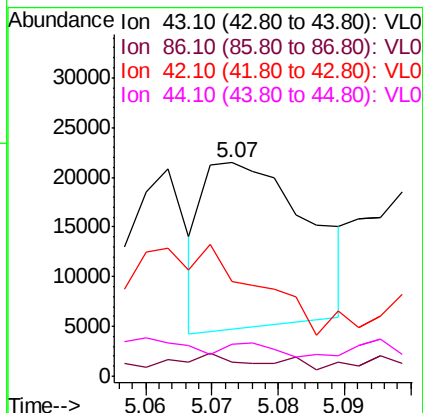
Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:10

Tot Ion: 43 Resp: 18234

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 0.4   | 5.0   | 7.6#  |
| 42  | 30.8  | 7.5   | 11.3# |
| 44  | 12.2  | 4.7   | 7.1#  |



#25

Ethyl Acetate

Concen: 0.090 ppbv

RT: 5.70 min Scan# 905

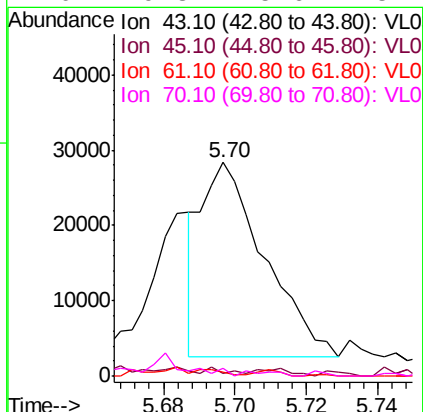
Delta R.T. 0.03 min

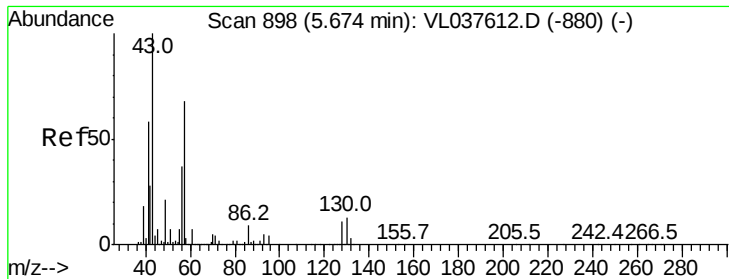
Lab File: VL037715.D

Acq: 28 Sep 2021 23:10

Tgt Ion: 43 Resp: 31281

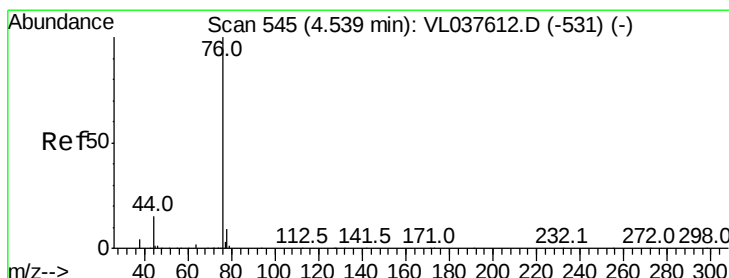
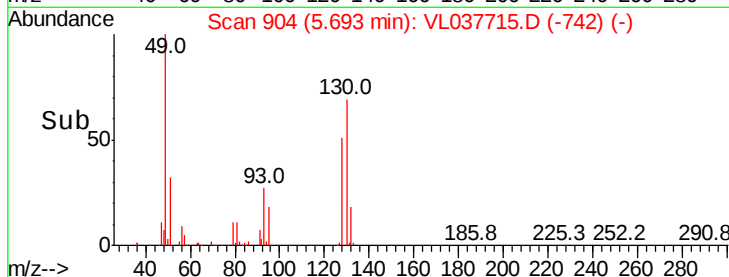
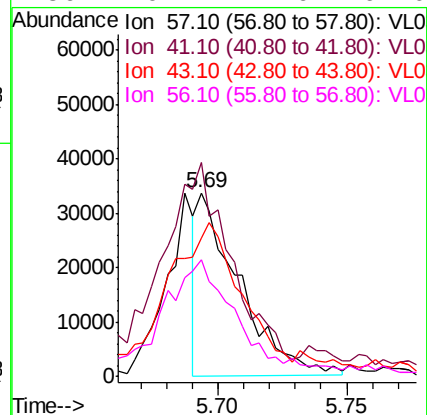
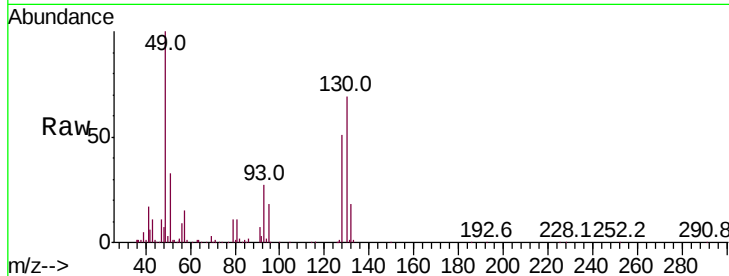
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 6.3   | 8.0   | 12.0# |
| 61  | 5.7   | 7.5   | 11.3# |
| 70  | 9.3   | 5.6   | 8.4#  |





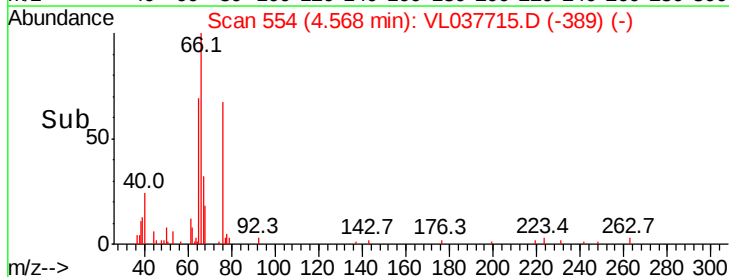
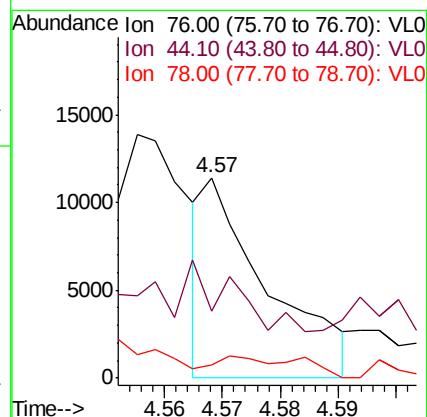
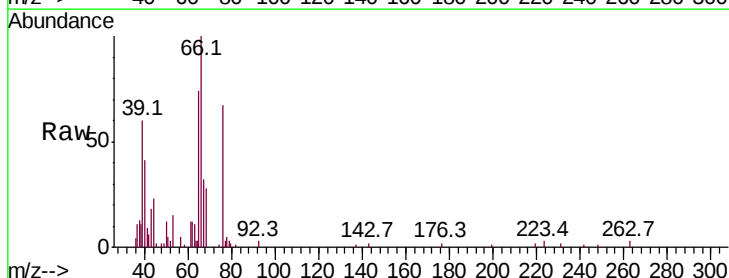
#26  
Hexane  
Concen: 0.229 ppbv  
RT: 5.69  
Instrument: MSVOA\_1  
Delta R.T.  
Lab File: ClientSampleId:  
Acq: 28 Sep 2021 23:10

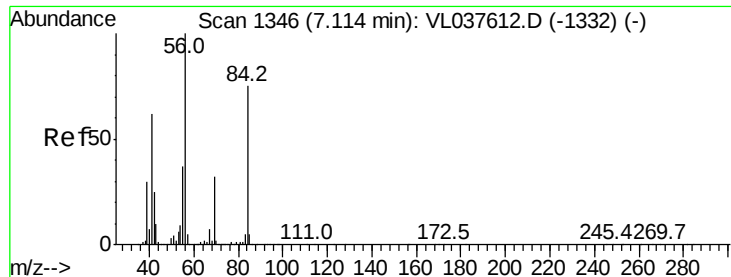
Tot Ion: 57 Resp: 37808  
Ion Ratio Lower Upper  
57 100  
41 240.4 70.9 106.3#  
43 174.2 170.4 255.6  
56 129.7 42.6 64.0#



#27  
Carbon Disulfide  
Concen: 0.058 ppbv  
RT: 4.57 min Scan# 554  
Delta R.T. 0.03 min  
Lab File: VL037715.D  
Acq: 28 Sep 2021 23:10

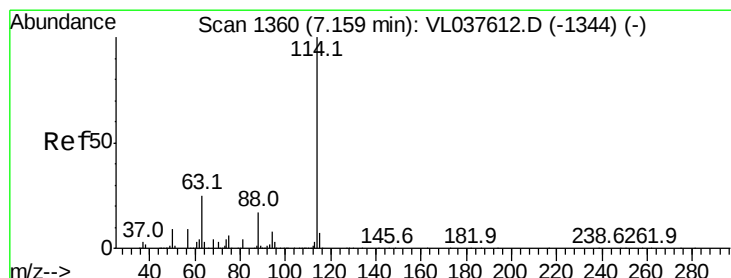
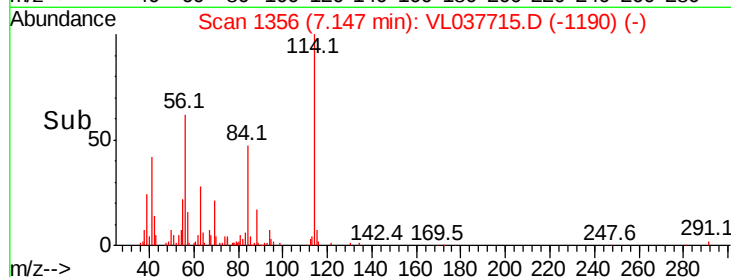
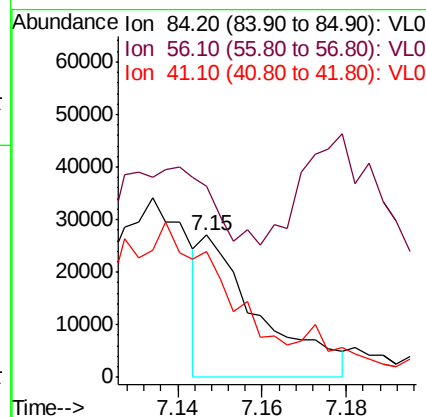
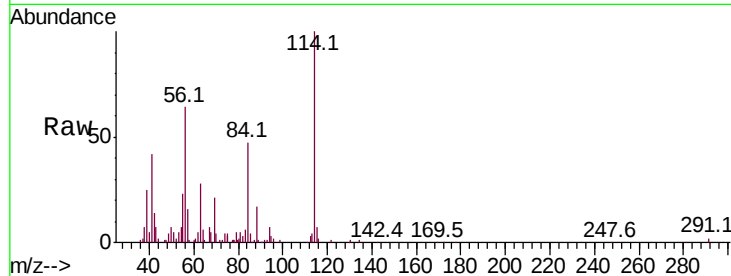
Tgt Ion: 76 Resp: 8813  
Ion Ratio Lower Upper  
76 100  
44 68.5 14.2 21.2#  
78 0.0 7.4 11.0#





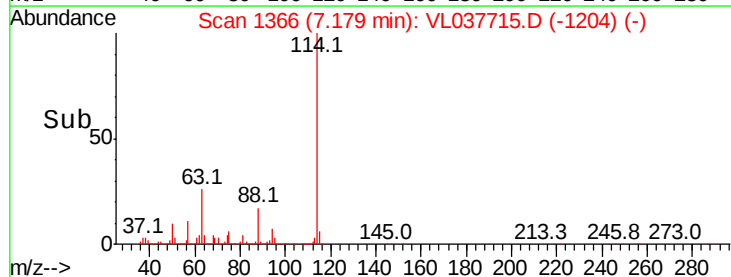
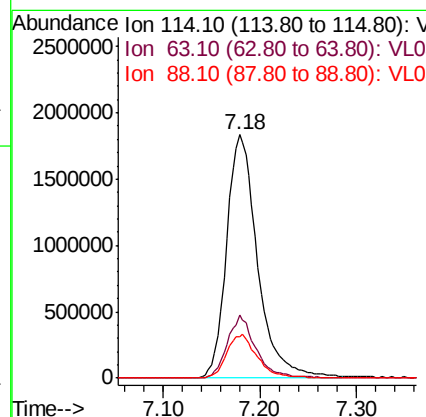
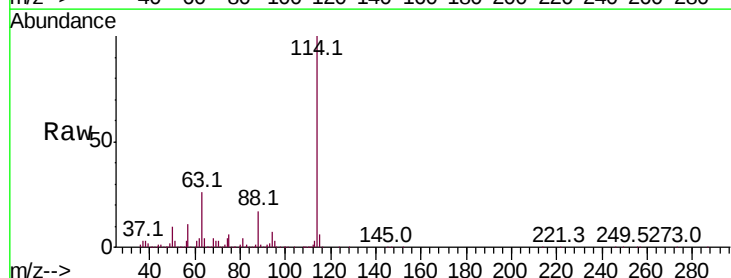
#30  
Cvclohexane  
Concen: 0.185 ppbv  
RT: 7.15 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 28 Sep 2021 23:10

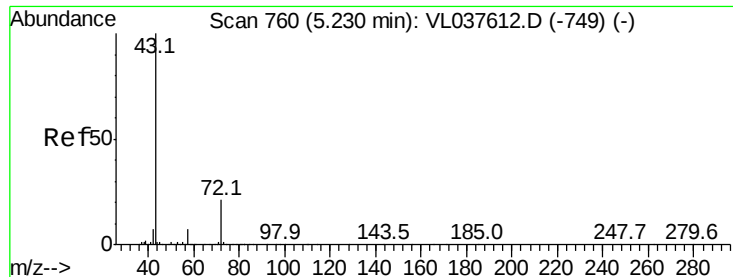
| Tot Ion   | 84    | Resp  | 26042  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 84        | 100   |       |        |
| 56        | 0.0   | 113.6 | 170.4# |
| 41        | 0.0   | 67.9  | 101.9# |



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.18 min Scan# 1366  
Delta R.T. 0.02 min  
Lab File: VL037715.D  
Acq: 28 Sep 2021 23:10

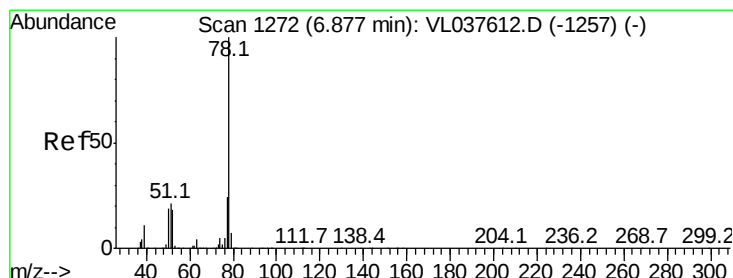
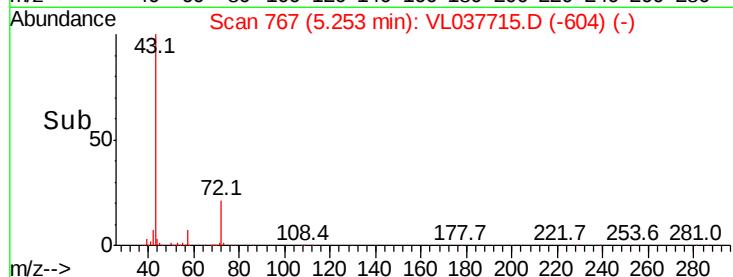
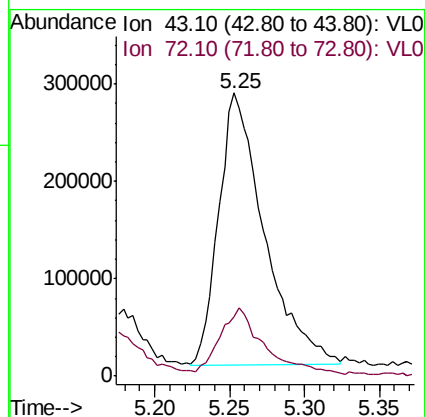
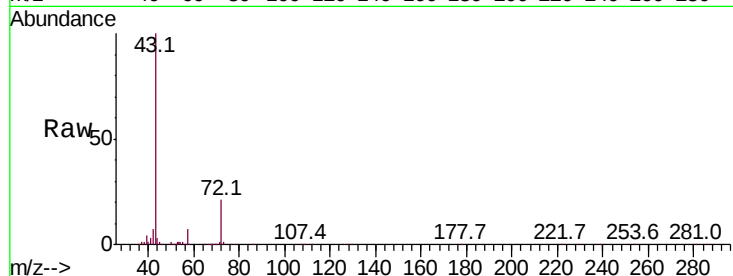
| Tgt Ion   | 114   | Resp  | 4071339 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 114       | 100   |       |         |
| 63        | 24.0  | 19.6  | 29.4    |
| 88        | 18.0  | 14.2  | 21.4    |





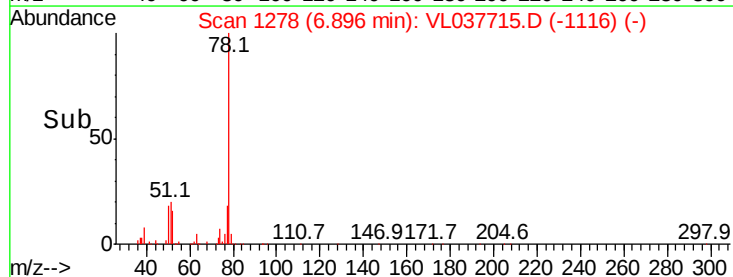
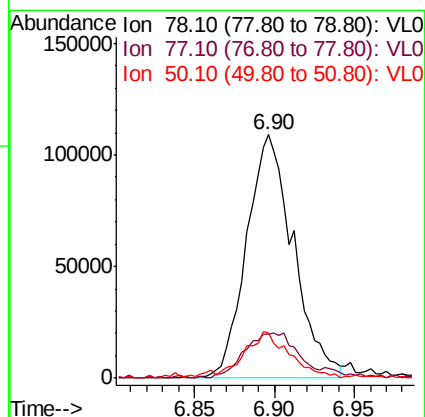
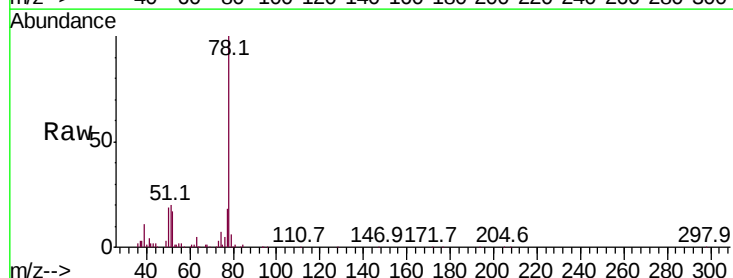
#34  
2-Butanone  
Concen: 3.604 ppbv  
RT: 5.25  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 28 Sep 2021 23:10

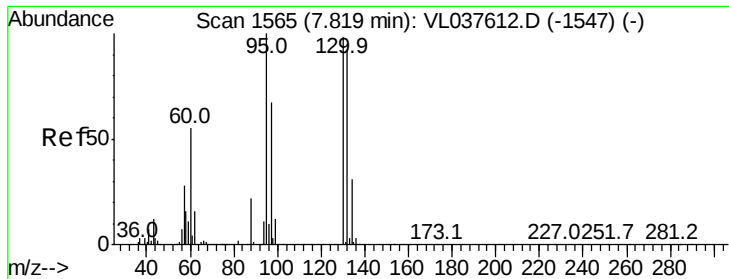
Tot Ion: 43 Resp: 596278  
Ion Ratio Lower Upper  
43 100  
72 25.0 18.4 27.6



#36  
Benzene  
Concen: 0.645 ppbv  
RT: 6.90 min Scan# 1278  
Delta R.T. 0.02 min  
Lab File: VL037715.D  
Acq: 28 Sep 2021 23:10

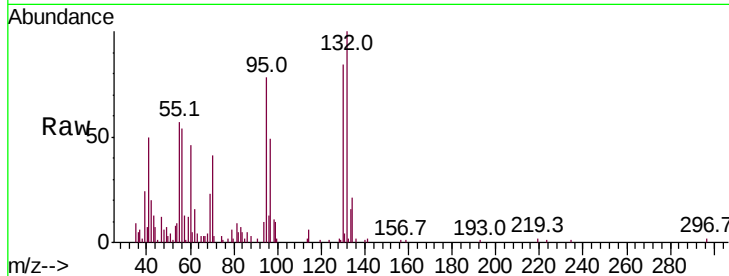
Tgt Ion: 78 Resp: 218865  
Ion Ratio Lower Upper  
78 100  
77 17.9 19.0 28.4#  
50 18.6 14.8 22.2





#38  
 Trichloroethene  
 Concen: 0.219 ppbv  
 RT: 7.84  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 28 Sep 2021 23:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 130   | Resp: | 31026  |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 91.7  | 81.8  | 122.6  |
| 132      | 121.8 | 75.3  | 112.9# |
| 97       | 55.9  | 54.7  | 82.1   |

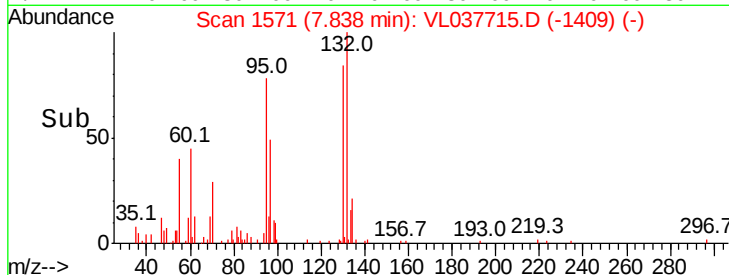
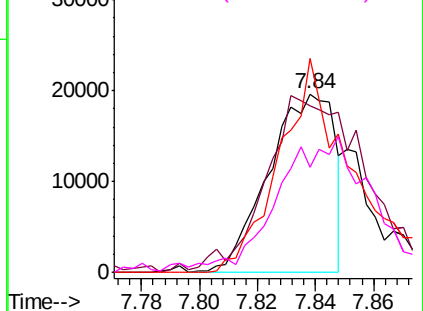


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

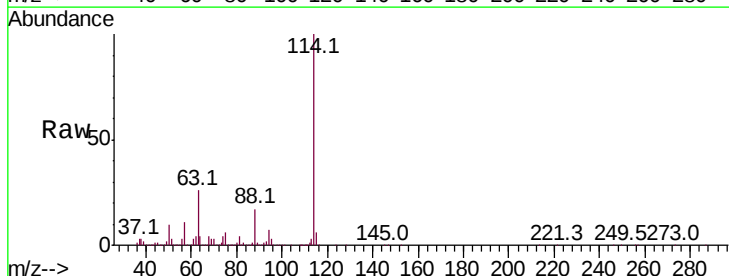
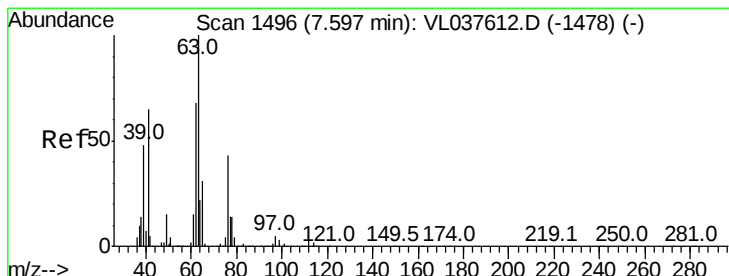
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39  
 1,2-Dichloropropane  
 Concen: 7.348 ppbv  
 RT: 7.18 min Scan# 1366  
 Delta R.T.: -0.42 min  
 Lab File: VL037715.D  
 Acq: 28 Sep 2021 23:10

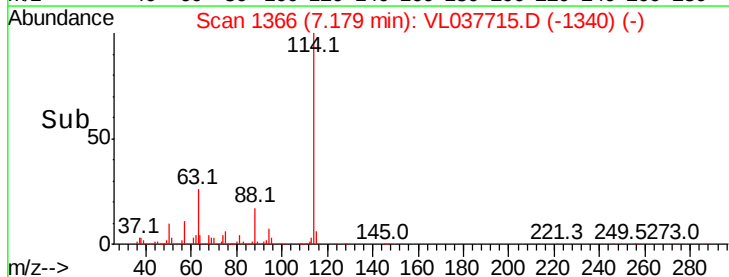
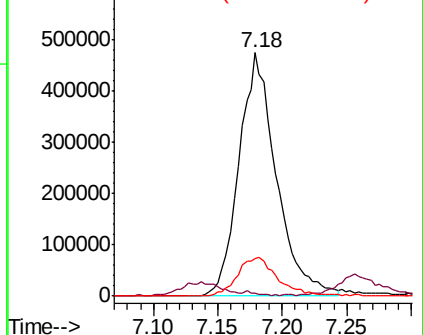
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 955524 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 41       | 0.0   | 51.6  | 77.4#  |
| 62       | 15.1  | 54.6  | 81.8#  |

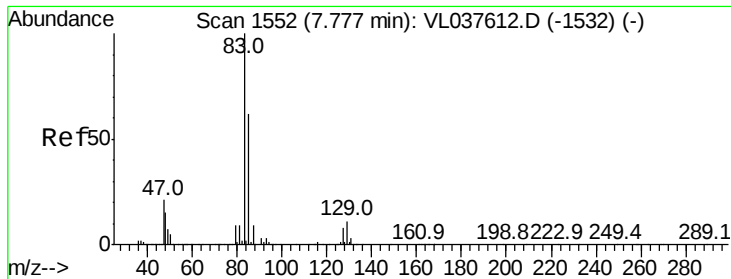


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

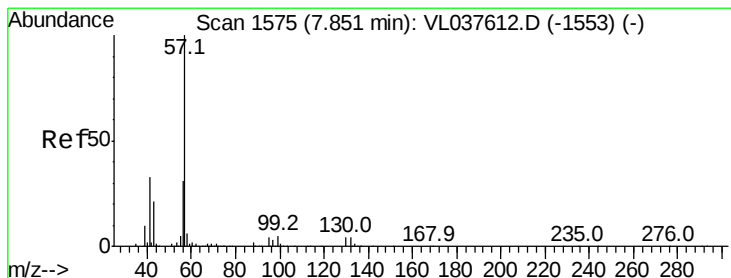
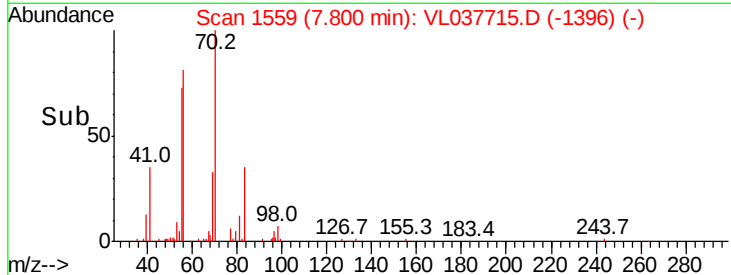
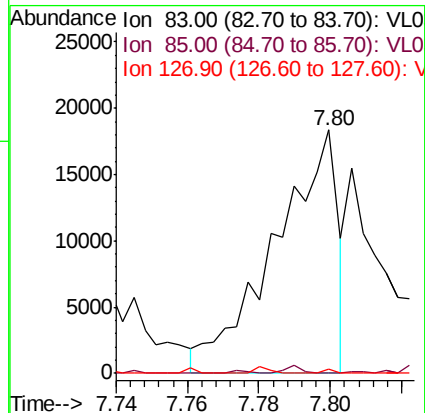
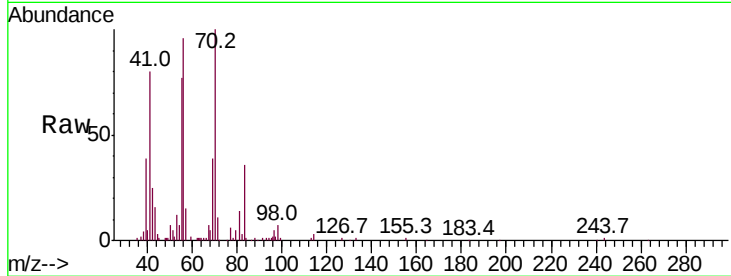




#42

Bromodichloromethane  
 Concen: 0.093 ppbv  
 RT: 7.80 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 28 Sep 2021 23:10

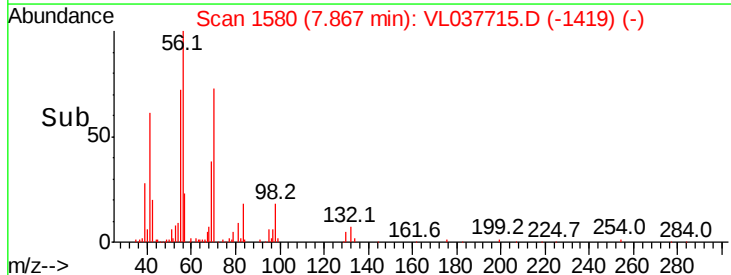
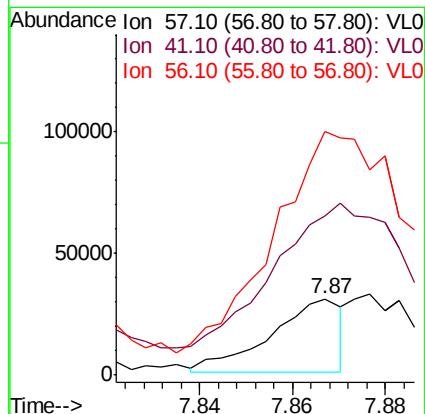
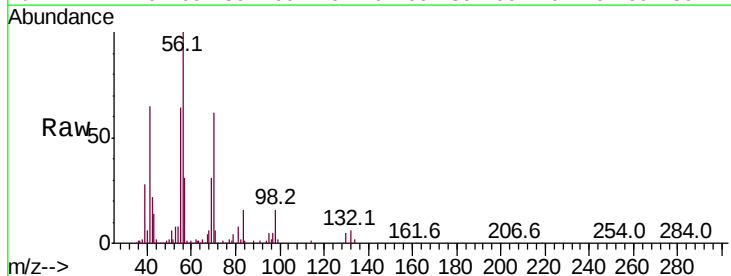
| Tot Ion | 83    | Resp  | 22302 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 85      | 0.0   | 49.8  | 74.6# |
| 127     | 1.9   | 6.4   | 9.6#  |

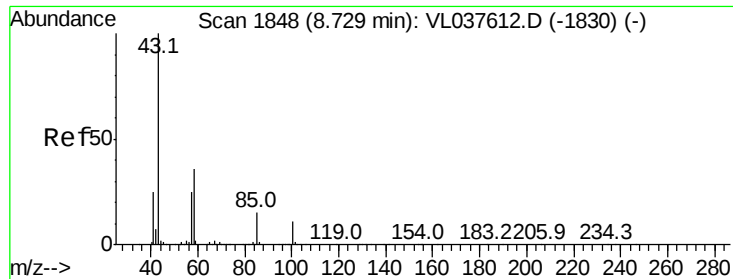


#44

2,2,4-Trimethylpentane  
 Concen: 0.057 ppbv  
 RT: 7.87 min Scan# 1580  
 Delta R.T. 0.02 min  
 Lab File: VL037715.D  
 Acq: 28 Sep 2021 23:10

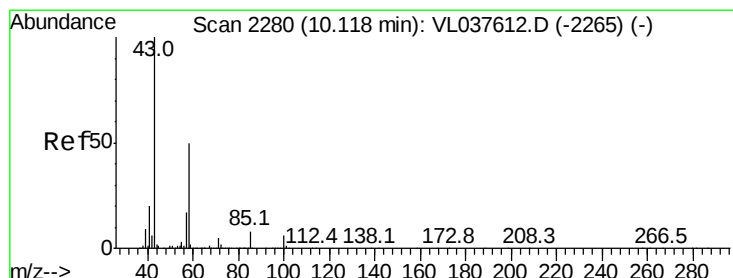
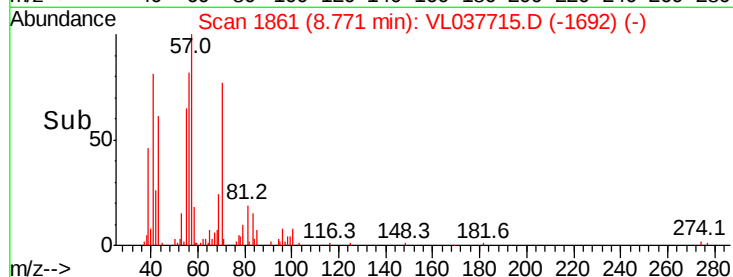
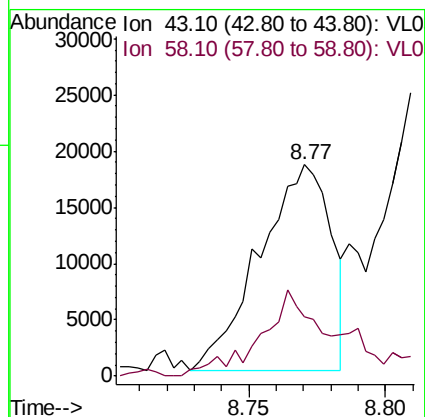
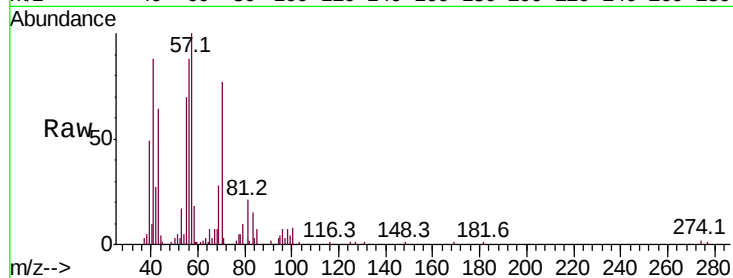
| Tgt Ion | 57    | Resp  | 32289 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 57      | 100   |       |       |
| 41      | 498.4 | 26.1  | 39.1# |
| 56      | 719.3 | 25.7  | 38.5# |





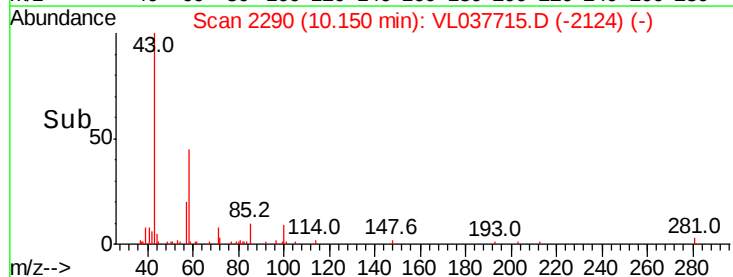
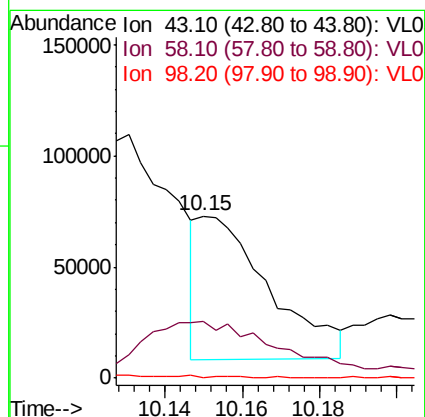
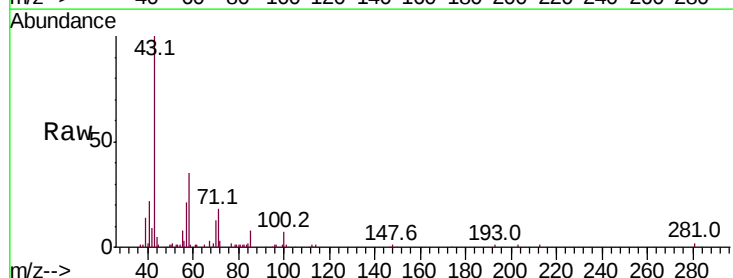
#50  
4-Methyl-2-Pentanone  
Concen: 0.158 ppbv  
RT: 8.77  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 28 Sep 2021 23:10

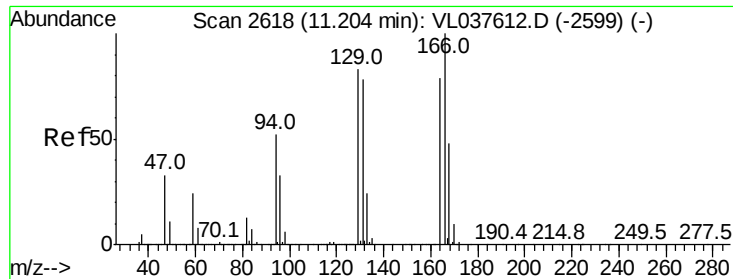
Tot Ion: 43 Resp: 33279  
Ion Ratio Lower Upper  
43 100  
58 47.8 29.4 44.2#



#51  
2-Hexanone  
Concen: 0.879 ppbv  
RT: 10.15 min Scan# 2290  
Delta R.T. 0.03 min  
Lab File: VL037715.D  
Acq: 28 Sep 2021 23:10

Tgt Ion: 43 Resp: 81444  
Ion Ratio Lower Upper  
43 100  
58 91.4 39.3 58.9#  
98 0.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.105 ppbv

RT: 11.23

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:10

Tot Ion:164 Resp: 13744

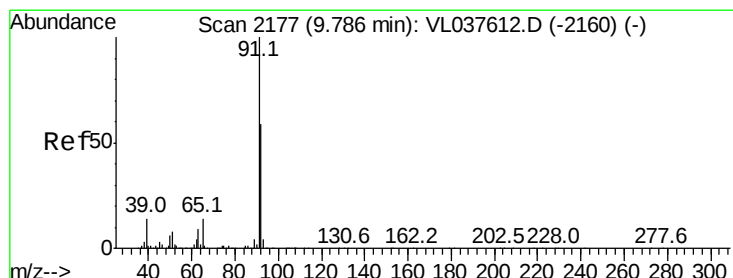
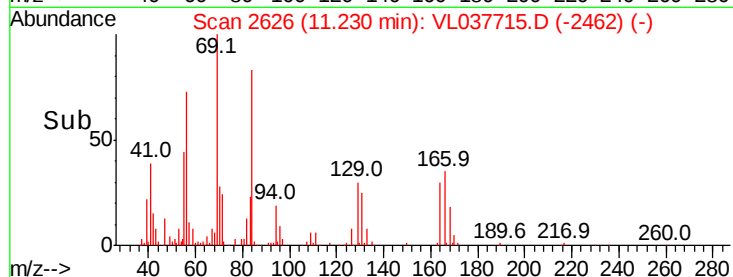
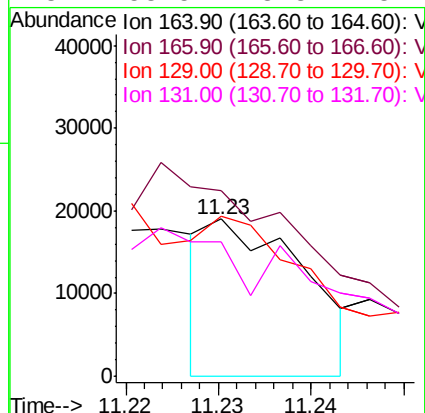
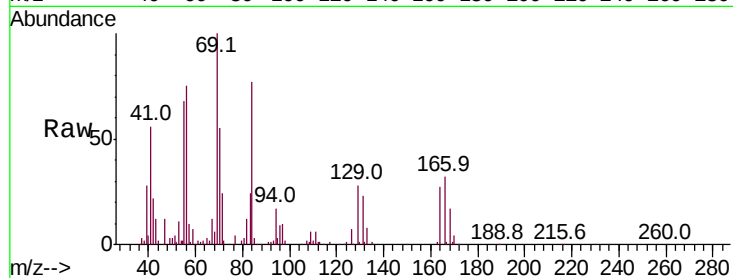
Ion Ratio Lower Upper

164 100

166 94.8 101.2 151.8#

129 102.0 84.0 126.0

131 58.5 78.8 118.2#



#53

Toluene

Concen: 0.246 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037715.D

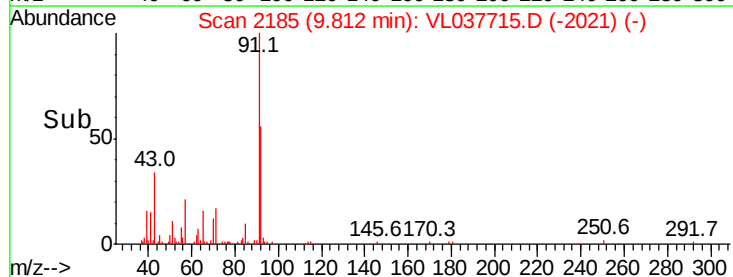
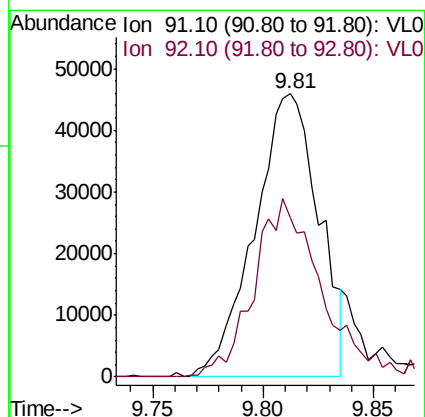
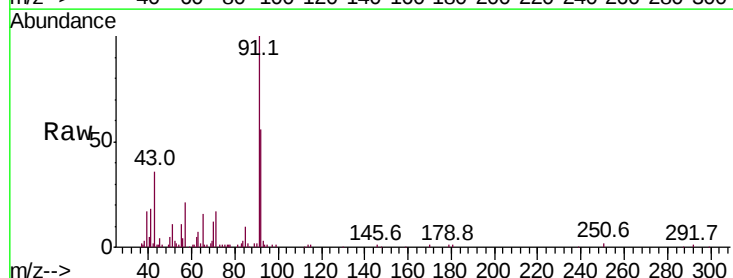
Acq: 28 Sep 2021 23:10

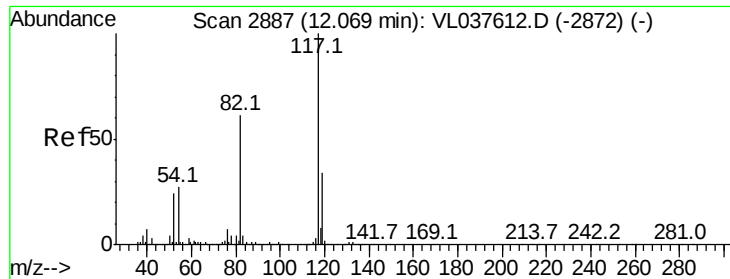
Tgt Ion: 91 Resp: 92732

Ion Ratio Lower Upper

91 100

92 66.3 48.9 73.3

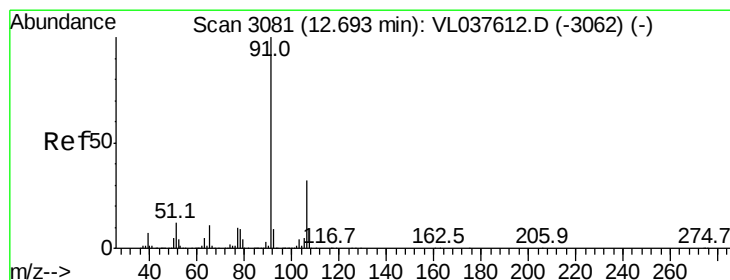
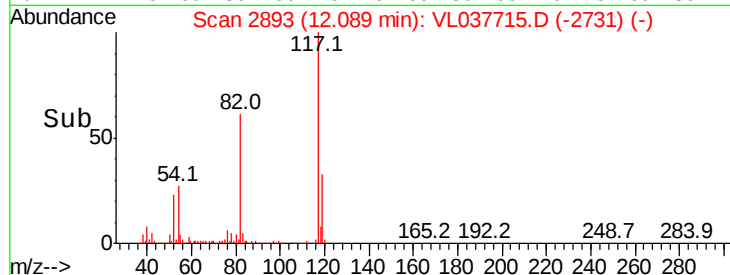
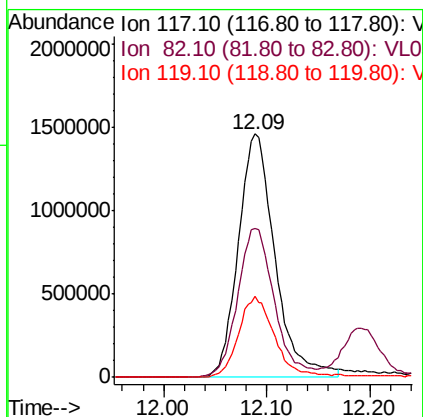
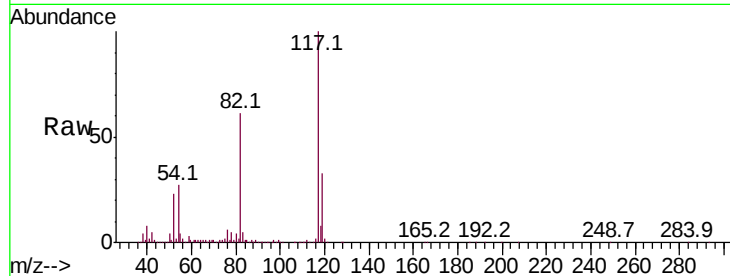




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 28 Sep 2021 23:10

Tot Ion: 117 Resp: 3617605

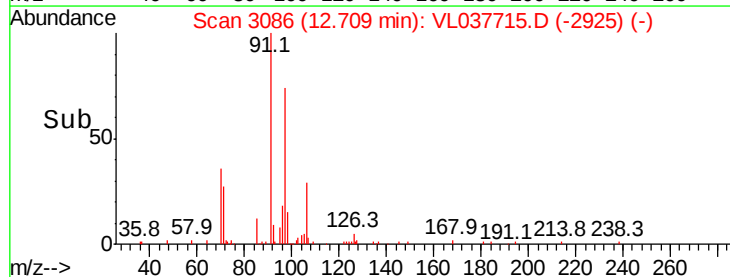
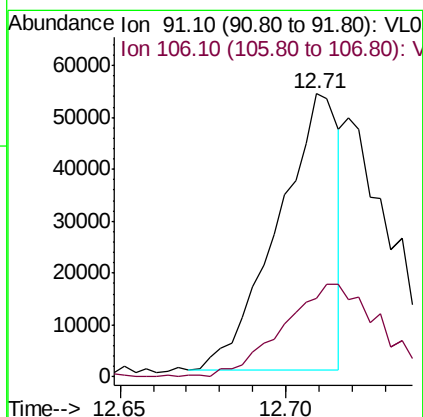
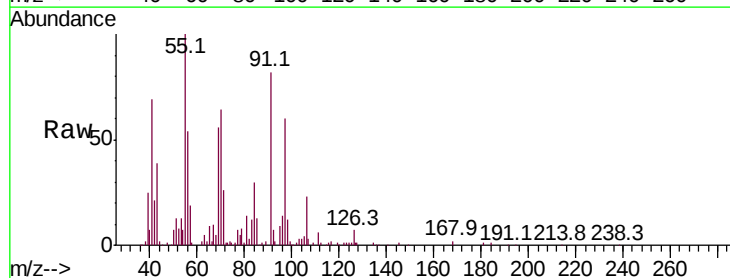
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 61.4  | 50.6  | 75.8  |
| 119 | 33.2  | 26.2  | 39.2  |

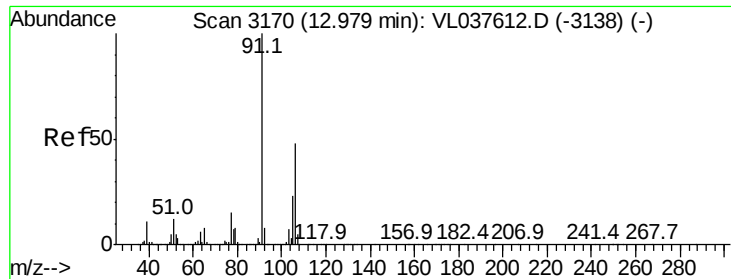


#58  
Ethyl Benzene  
Concen: 0.141 ppbv  
RT: 12.71 min Scan# 3086  
Delta R.T.: 0.02 min  
Lab File: VL037715.D  
Acq: 28 Sep 2021 23:10

Tgt Ion: 91 Resp: 67580

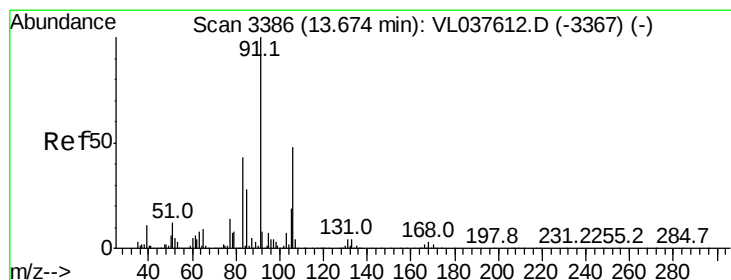
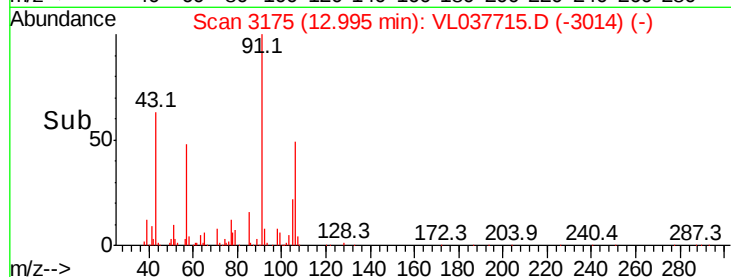
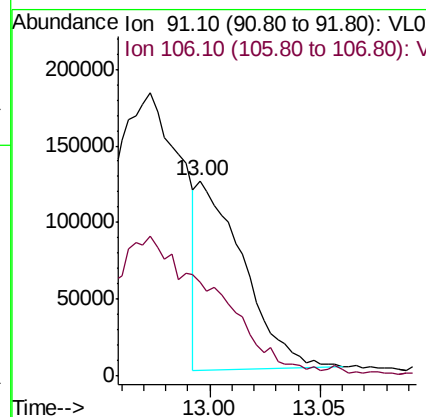
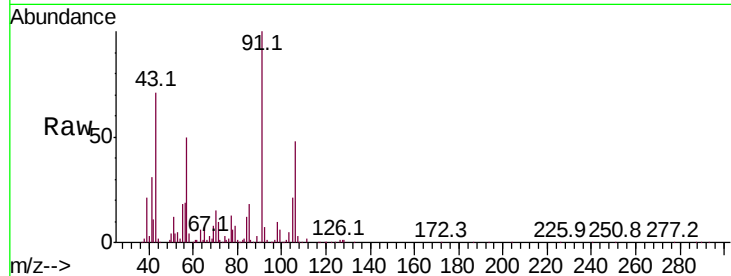
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 27.6  | 25.3  | 37.9  |





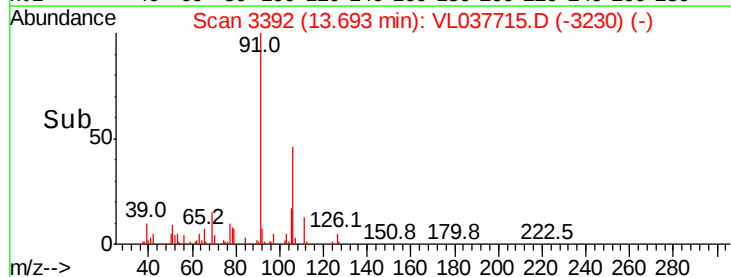
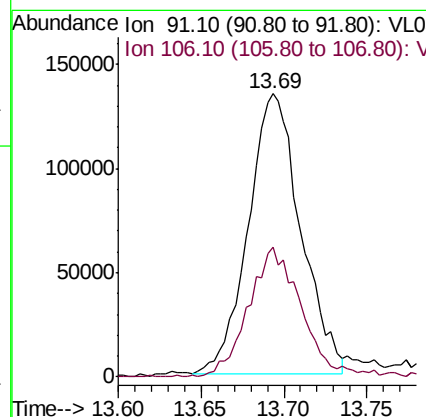
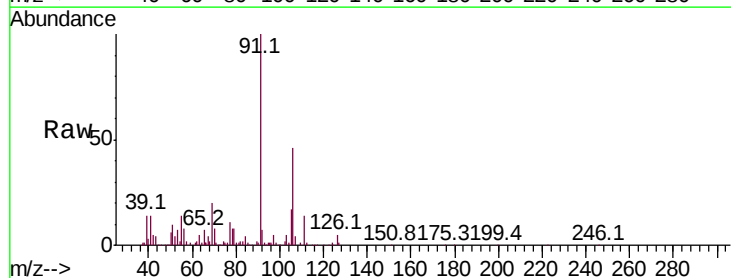
#59  
m/p-Xylene  
Concen: 0.428 ppbv  
RT: 13.00  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
Acq: 28 Sep 2021 23:10

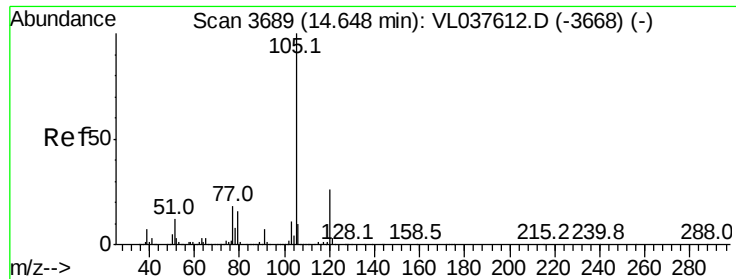
Tot Ion: 91 Resp: 178975  
Ion Ratio Lower Upper  
91 100  
106 0.0 36.6 55.0#



#60  
o-Xylene  
Concen: 0.749 ppbv  
RT: 13.69 min Scan# 3392  
Delta R.T. 0.02 min  
Lab File: VL037715.D  
Acq: 28 Sep 2021 23:10

Tgt Ion: 91 Resp: 298470  
Ion Ratio Lower Upper  
91 100  
106 47.0 23.0 69.0





#62

Isopropylbenzene

Concen: 0.316 ppbv

RT: 14.67 min

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

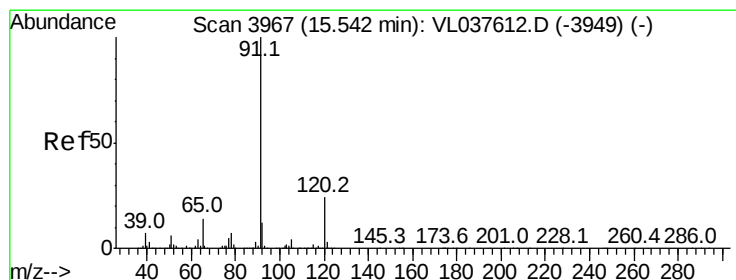
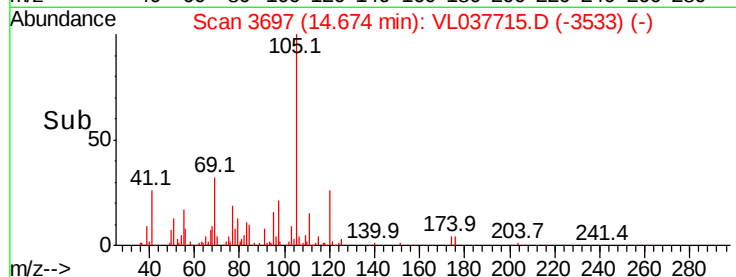
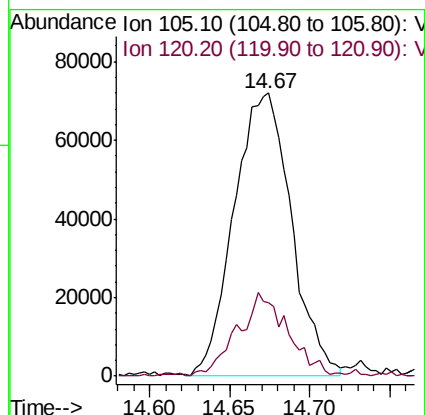
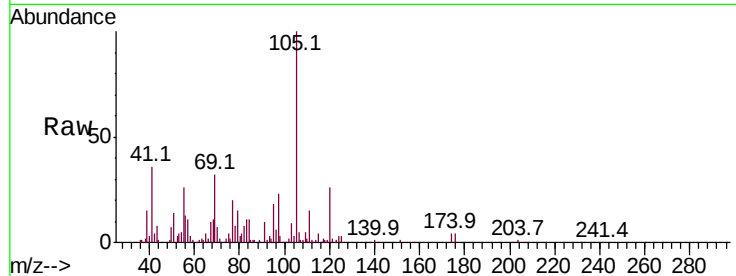
Acq: 28 Sep 2021 23:10

Tot Ion:105 Resp: 175798

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0



#64

n-propylbenzene

Concen: 0.072 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.03 min

Lab File: VL037715.D

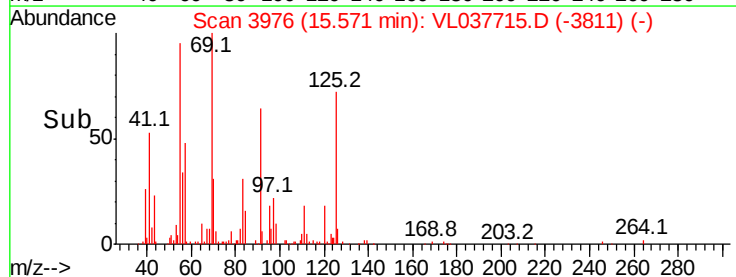
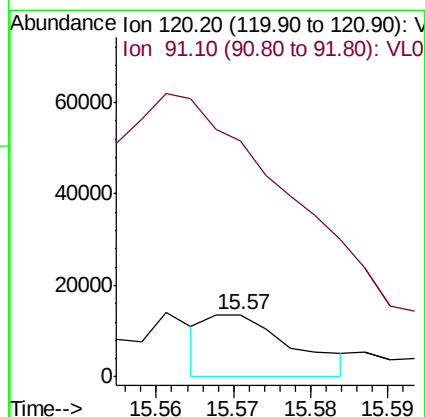
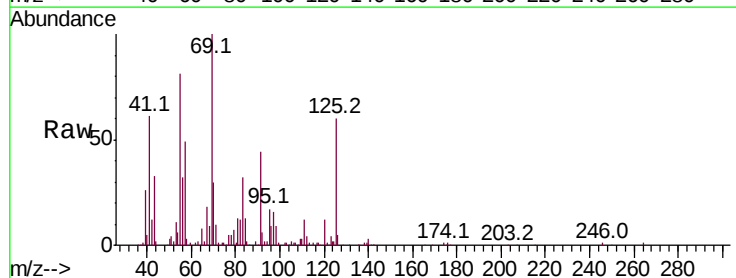
Acq: 28 Sep 2021 23:10

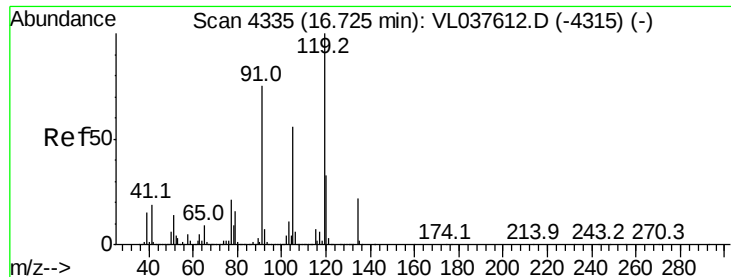
Tgt Ion:120 Resp: 10354

Ion Ratio Lower Upper

120 100

91 0.0 345.0 517.4#





#65

tert-Butylbenzene

Concen: 0.066 ppbv

RT: 16.75 min

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:10

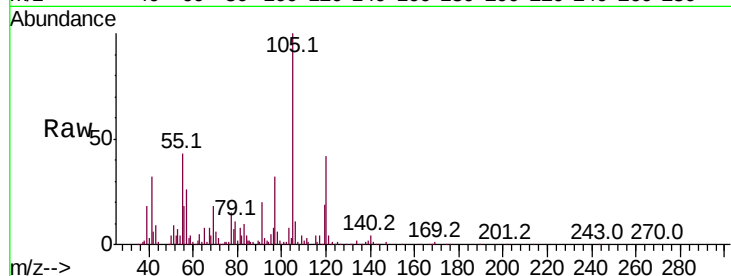
Tot Ion: 119 Resp: 32888

Ion Ratio Lower Upper

119 100

91 0.0 61.9 92.9#

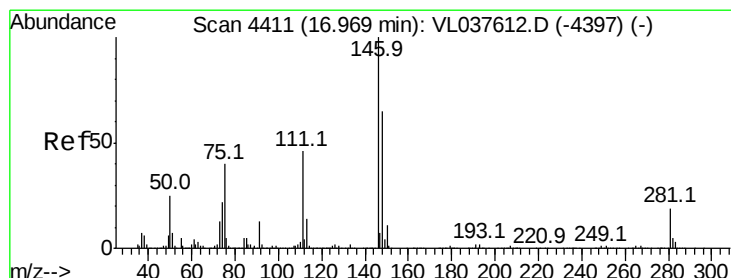
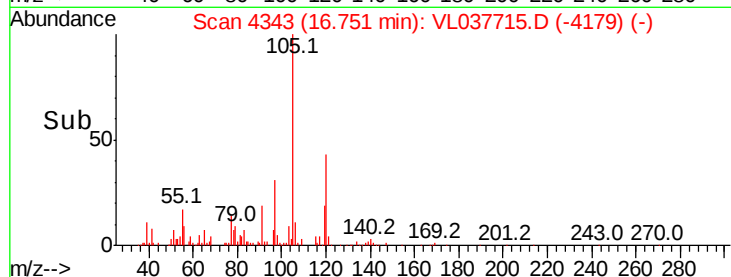
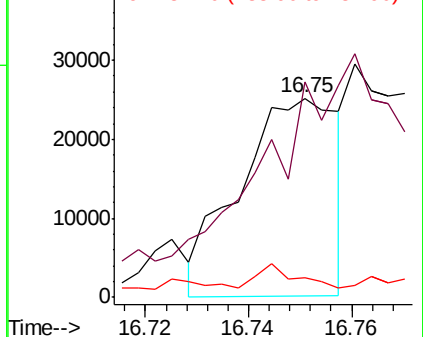
134 23.2 16.5 24.7



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: 0.053 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.02 min

Lab File: VL037715.D

Acq: 28 Sep 2021 23:10

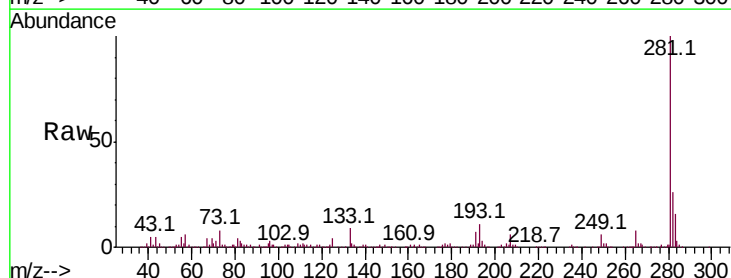
Tgt Ion: 91 Resp: 1449

Ion Ratio Lower Upper

91 100

126 0.0 14.4 21.6#

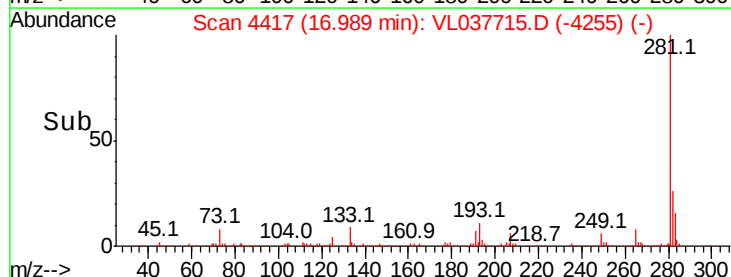
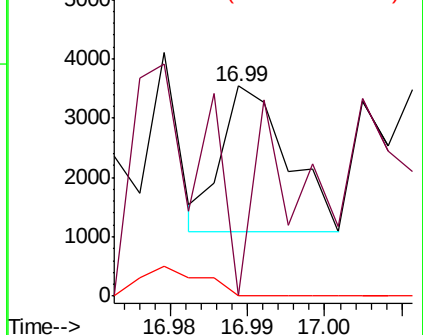
128 0.0 5.7 8.5#

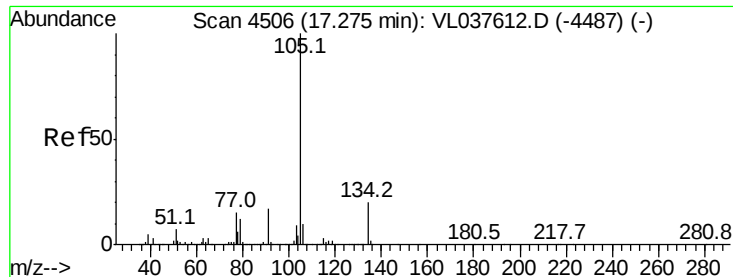


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.106 ppbv

RT: 17.30 min

Delta R.T. MSVOA\_L

Lab File:

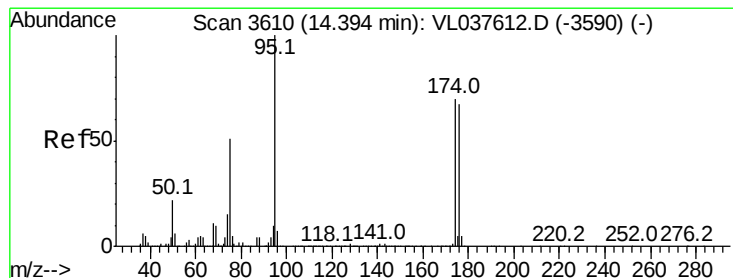
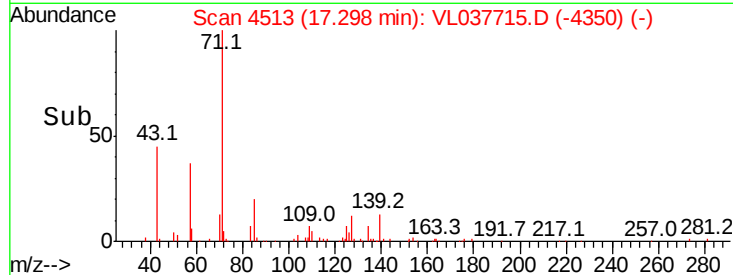
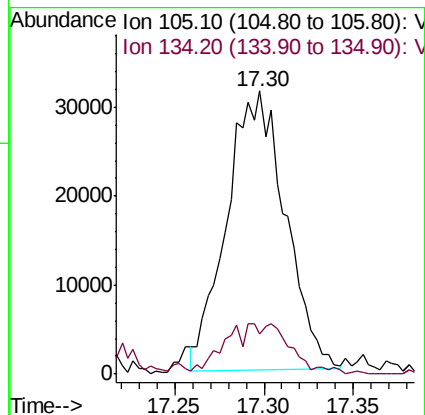
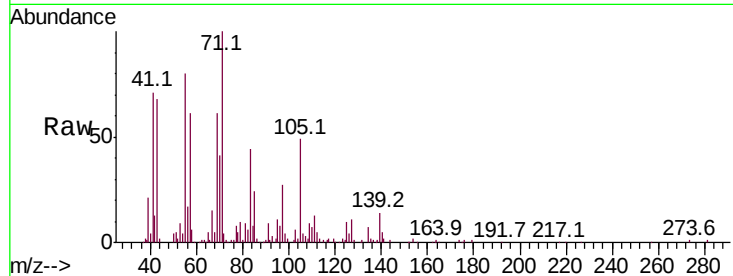
Acq: 28 Sep 2021 23:10

Tot Ion: 105 Resp: 71890

Ion Ratio Lower Upper

105 100

134 21.2 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.934 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037715.D

Acq: 28 Sep 2021 23:10

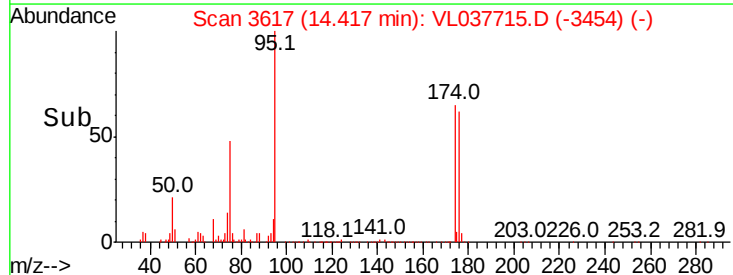
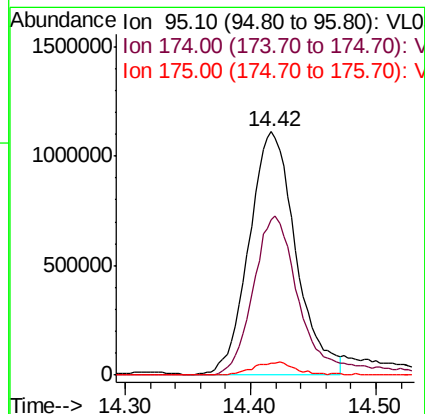
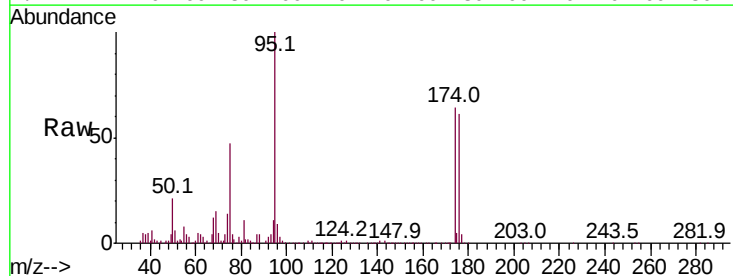
Tgt Ion: 95 Resp: 2858642

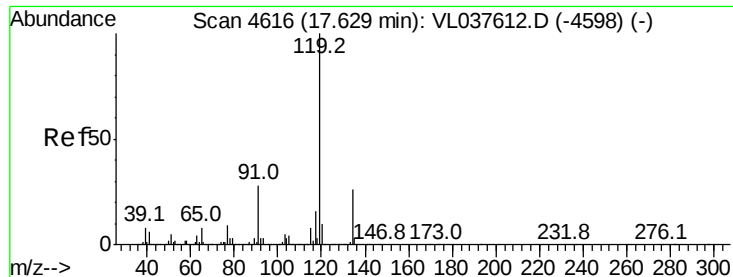
Ion Ratio Lower Upper

95 100

174 69.4 56.3 84.5

175 5.4 4.4 6.6





#69

p-Isopropyltoluene

Concen: 0.220 ppbv

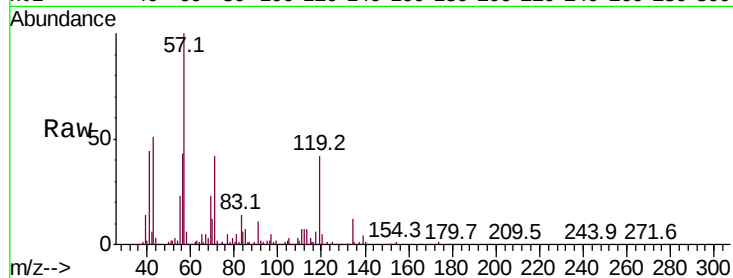
RT: 17.65 min

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 23:10

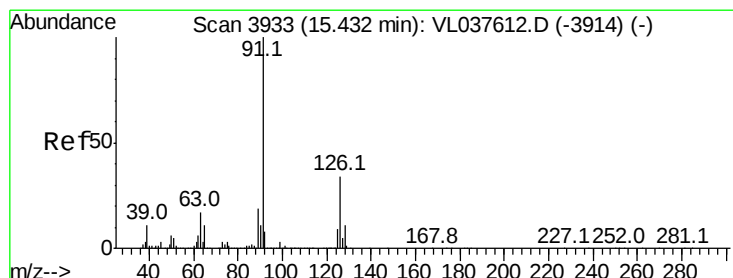
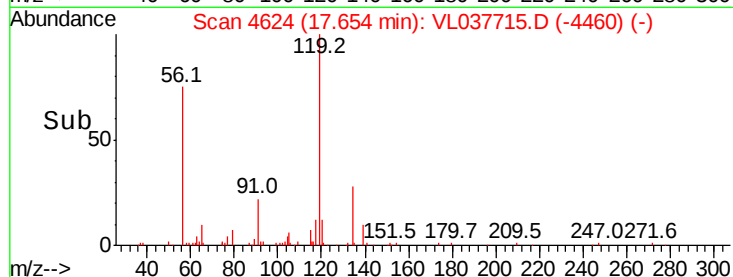
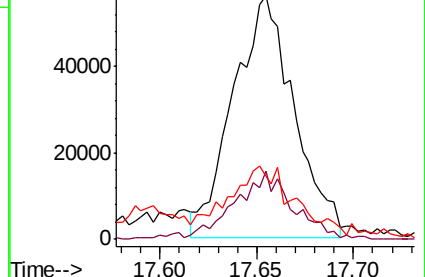
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 119   | Resp: | 122501 |
| Ion      | Ratio | Lower | Upper  |
| 119      | 100   |       |        |
| 134      | 27.7  | 21.2  | 31.8   |
| 91       | 28.1  | 22.2  | 33.2   |



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): V



#71

2-Chlorotoluene

Concen: 0.330 ppbv

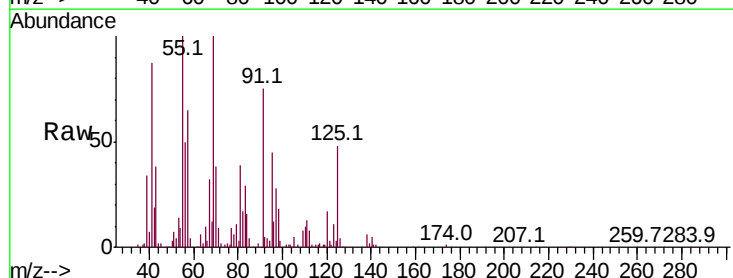
RT: 15.56 min Scan# 3973

Delta R.T. 0.13 min

Lab File: VL037715.D

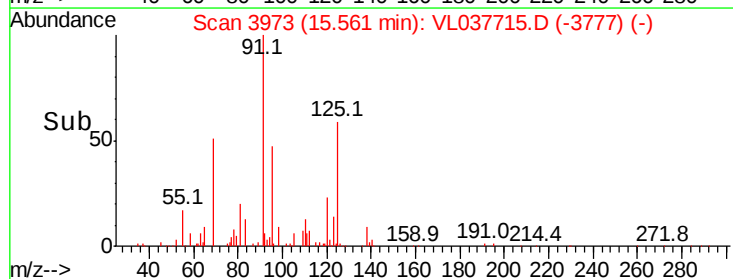
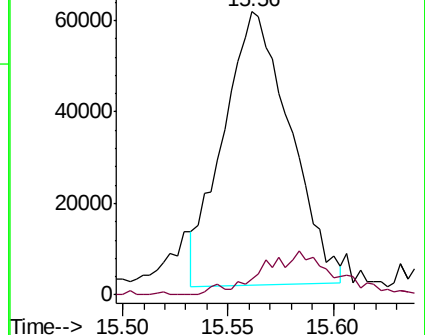
Acq: 28 Sep 2021 23:10

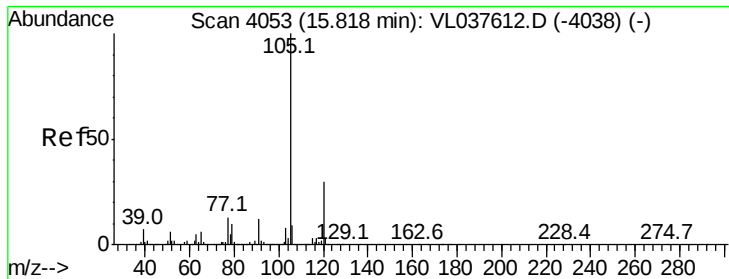
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 131575 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 19.3  | 13.2  | 52.8   |



Abundance Ion 91.10 (90.80 to 91.80): V

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.108 ppbv

RT: 15.84

Delta R.T. MSVOA\_L

Lab File:

Acq: 28 Sep 2021 23:10

Tot Ion:105 Resp: 49559

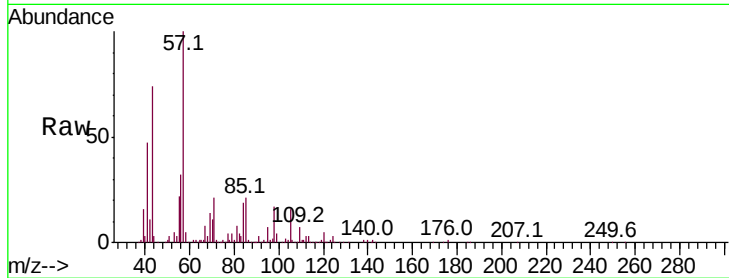
Ion Ratio Lower Upper

105 100

120 59.3 24.7 37.1#

91 39.7 9.9 14.9#

77 61.3 10.5 15.7#

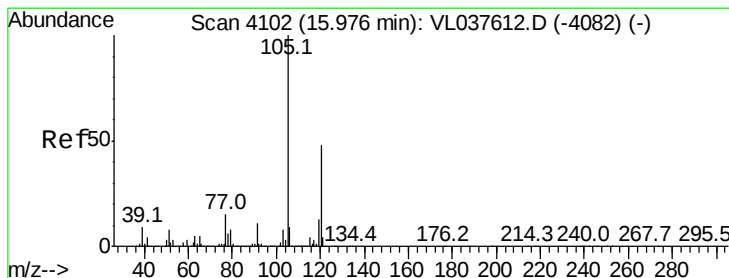
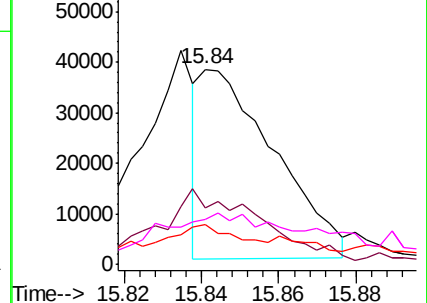
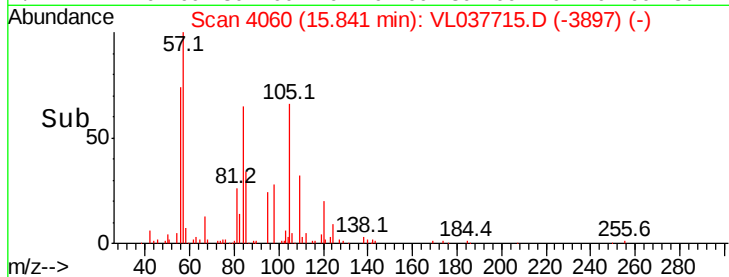


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.380 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL037715.D

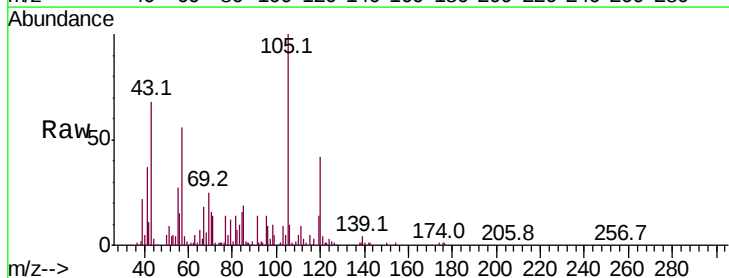
Acq: 28 Sep 2021 23:10

Tgt Ion:105 Resp: 161967

Ion Ratio Lower Upper

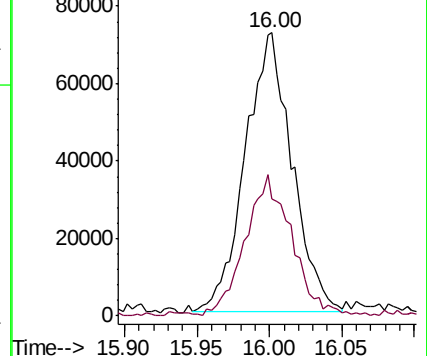
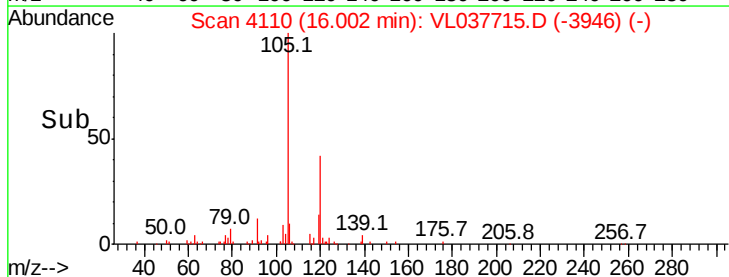
105 100

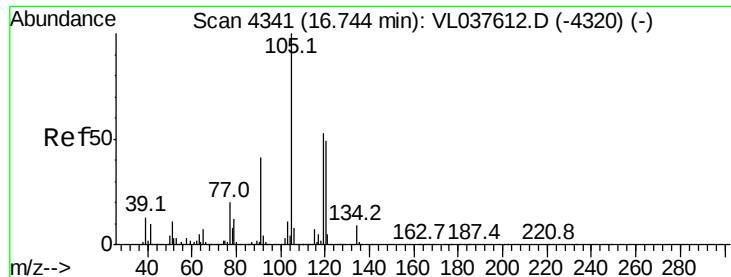
120 41.3 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.946 ppbv

RT: 16.76 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 23:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 105   | Resp: | 424765 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 39.8  | 39.4  | 59.0   |
| 91        | 16.0  | 33.3  | 49.9#  |
| 77        | 14.4  | 15.7  | 23.5#  |

