

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL012622\  
 Data File : VL038288.D  
 Acq On : 26 Jan 2022 14:49  
 Operator : SY/AP  
 Sample : N1268-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-1

Quant Time: Jan 27 02:54:09 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 14:12:48 2022  
 QLast Update : Mon Jan 24 14:12:48 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 791917   | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 2149944  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 1837015  | 10.00 | ppbv  | -0.03    |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 1430169  | 10.26    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.60% |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) Dichlorodifluoromethane     | 3.04  | 85  | 71306   | 0.423  | ppbv 92   |
| 3) Chlorodifluoromethane       | 2.98  | 51  | 34715   | 0.220  | ppbv # 90 |
| 4) Chloromethane               | 3.14  | 50  | 6939    | 0.128  | ppbv 92   |
| 7) Chloroethane                | 3.56  | 64  | 5367    | 0.294  | ppbv # 79 |
| 9) Propene                     | 3.20  | 41  | 267438  | 5.211  | ppbv 93   |
| 10) Heptane                    | 8.10  | 43  | 966642  | 7.321  | ppbv 98   |
| 11) Trichlorofluoromethane     | 3.94  | 101 | 26384   | 0.201  | ppbv 100  |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47  | 101 | 3670    | 0.037  | ppbv # 27 |
| 13) Ethanol                    | 3.60  | 45  | 43094   | 7.822  | ppbv 86   |
| 15) Acetone                    | 3.84  | 43  | 512872  | 7.347  | ppbv # 64 |
| 16) 1,3-Butadiene              | 3.30  | 39  | 71332   | 1.424  | ppbv # 17 |
| 17) tert-Butyl alcohol         | 4.30  | 59  | 6849    | 0.089  | ppbv # 70 |
| 19) Isopropyl Alcohol          | 3.97  | 45  | 22690   | 0.520  | ppbv # 91 |
| 21) Allyl Chloride             | 4.36  | 41  | 10882   | 0.176  | ppbv # 27 |
| 23) Vinyl Acetate              | 5.05  | 43  | 1327891 | 13.083 | ppbv # 92 |
| 25) Ethyl Acetate              | 5.67  | 43  | 1675308 | 8.571  | ppbv # 77 |
| 26) Hexane                     | 5.67  | 57  | 2360325 | 25.963 | ppbv # 40 |
| 27) Carbon Disulfide           | 4.54  | 76  | 3254    | 0.031  | ppbv # 39 |
| 28) Methyl tert-Butyl Ether    | 5.02  | 73  | 11184   | 0.119  | ppbv # 53 |
| 30) Cyclohexane                | 7.10  | 84  | 2912    | 0.037  | ppbv # 1  |
| 34) 2-Butanone                 | 5.23  | 43  | 125534  | 1.785  | ppbv # 88 |
| 35) Carbon Tetrachloride       | 6.99  | 117 | 5525    | 0.037  | ppbv # 92 |
| 36) Benzene                    | 6.87  | 78  | 23306   | 0.123  | ppbv # 75 |
| 39) 1,2-Dichloropropane        | 7.15  | 63  | 565773  | 7.338  | ppbv # 48 |
| 41) Tetrahydrofuran            | 5.96  | 42  | 75671   | 1.601  | ppbv # 40 |
| 43) Methyl Methacrylate        | 7.96  | 69  | 2797    | 0.042  | ppbv # 1  |
| 50) 4-Methyl-2-Pentanone       | 8.74  | 43  | 8132    | 0.065  | ppbv # 71 |
| 51) 2-Hexanone                 | 10.09 | 43  | 213120  | 3.858  | ppbv # 31 |
| 52) Tetrachloroethene          | 11.19 | 164 | 27592   | 0.421  | ppbv # 85 |
| 53) Toluene                    | 9.78  | 91  | 49589   | 0.236  | ppbv 100  |
| 58) Ethyl Benzene              | 12.68 | 91  | 25533   | 0.095  | ppbv 97   |
| 59) m/p-Xylene                 | 12.97 | 91  | 9977    | 0.043  | ppbv # 32 |
| 60) o-Xylene                   | 13.66 | 91  | 27033   | 0.126  | ppbv 98   |
| 61) Styrene                    | 13.50 | 104 | 5603    | 0.056  | ppbv # 1  |
| 67) sec-Butylbenzene           | 17.27 | 105 | 10378   | 0.032  | ppbv # 78 |
| 69) p-Isopropyltoluene         | 17.62 | 119 | 32404   | 0.129  | ppbv # 77 |
| 72) 4-Ethyltoluene             | 15.80 | 105 | 9789    | 0.044  | ppbv # 39 |
| 73) 1,3,5-Trimethylbenzene     | 15.97 | 105 | 42627   | 0.212  | ppbv 90   |
| 74) 1,2,4-Trimethylbenzene     | 16.73 | 105 | 99952   | 0.471  | ppbv # 74 |

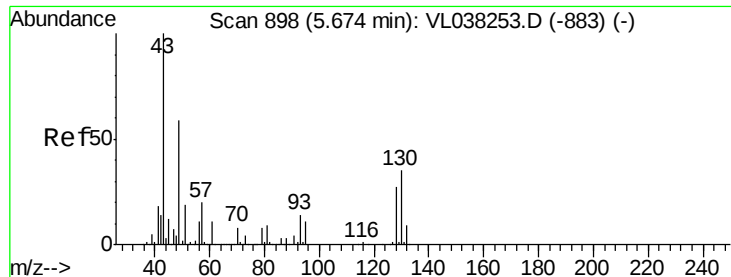
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL012622\  
Data File : VL038288.D  
Acq On : 26 Jan 2022 14:49  
Operator : SY/AP  
Sample : N1268-03  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-1

Quant Time: Jan 27 02:54:09 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 14:12:48 2022  
QLast Update : Mon Jan 24 14:12:48 2022  
Response via : Initial Calibration

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: SV-1

Acq: 26 Jan 2022 14:49

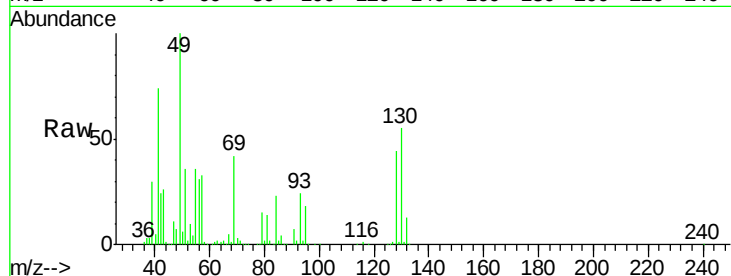
Tgt Ion: 49 Resp: 791917

Ion Ratio Lower Upper

49 100

128 47.5 24.5 73.5

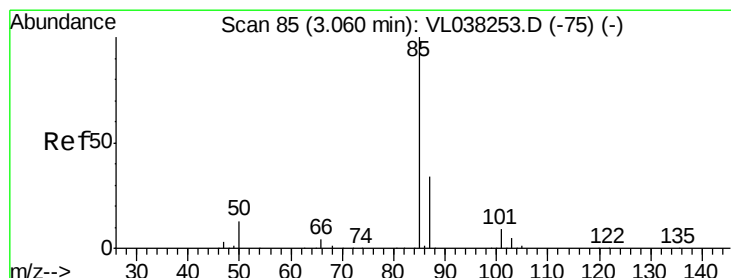
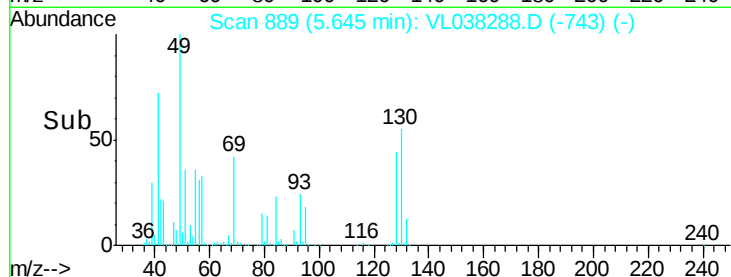
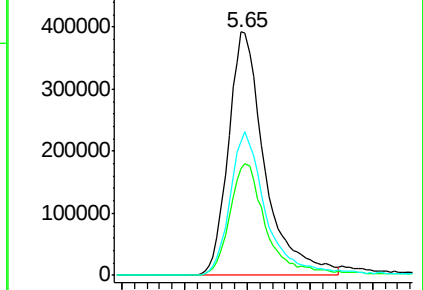
130 59.9 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.423 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL038288.D

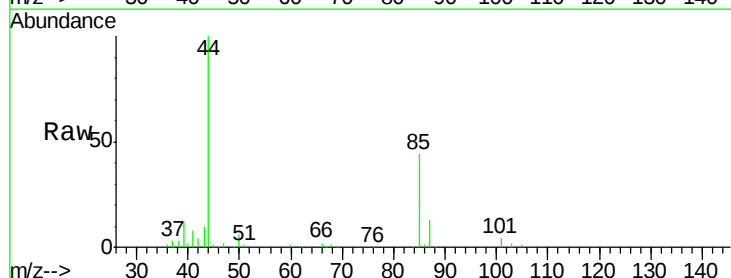
Acq: 26 Jan 2022 14:49

Tgt Ion: 85 Resp: 71306

Ion Ratio Lower Upper

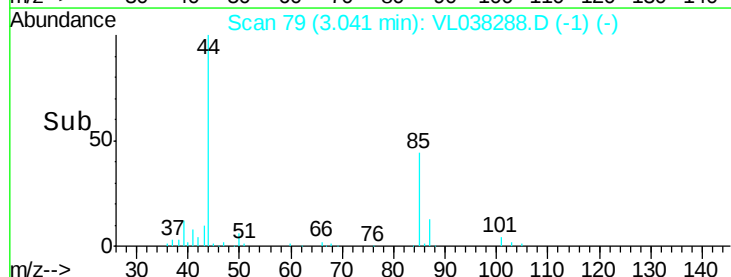
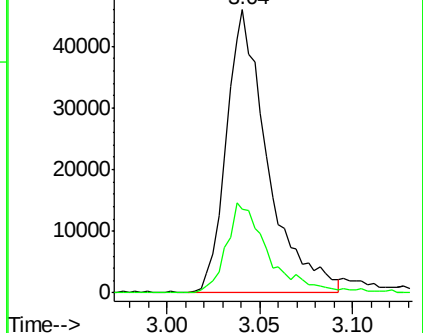
85 100

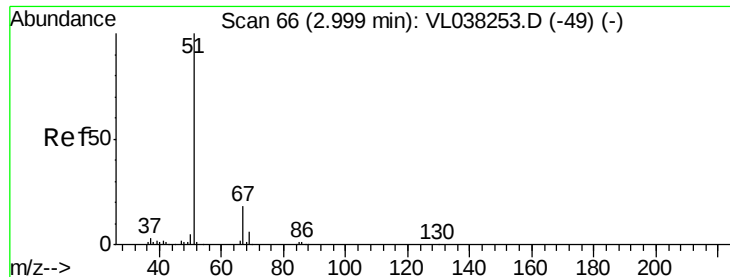
87 29.5 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

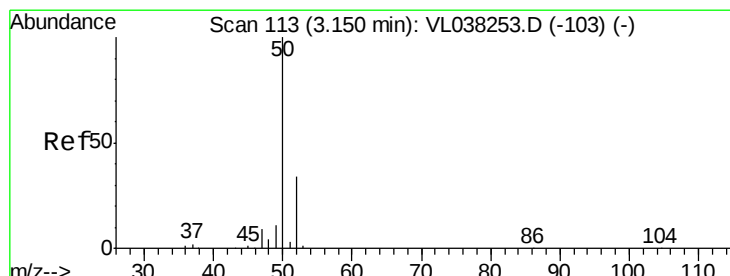
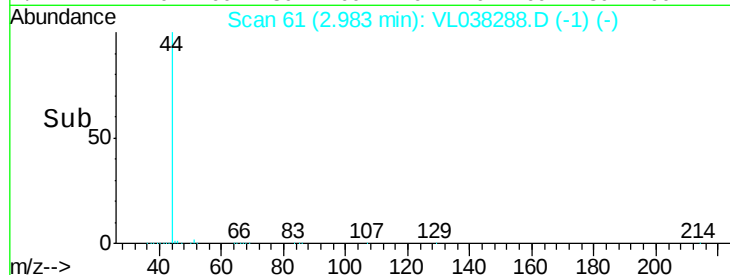
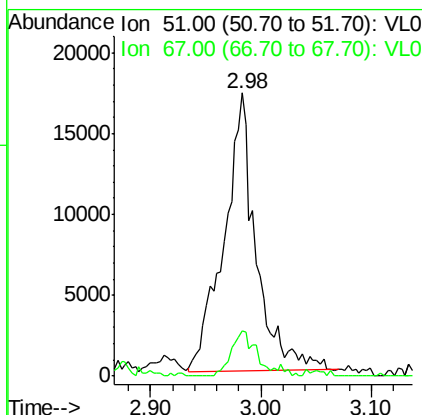
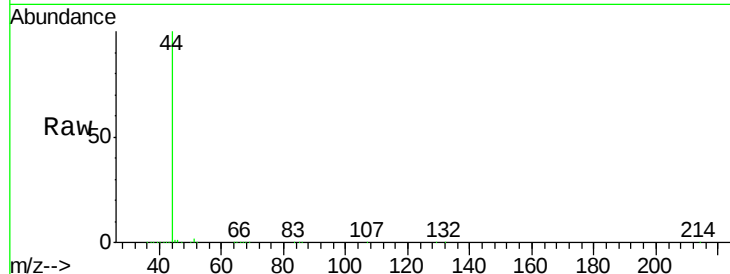
Ion 87.00 (86.70 to 87.70): VL0





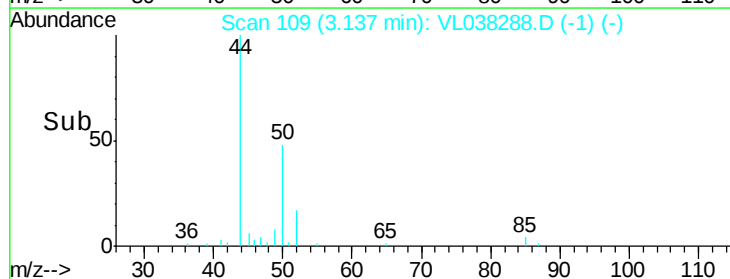
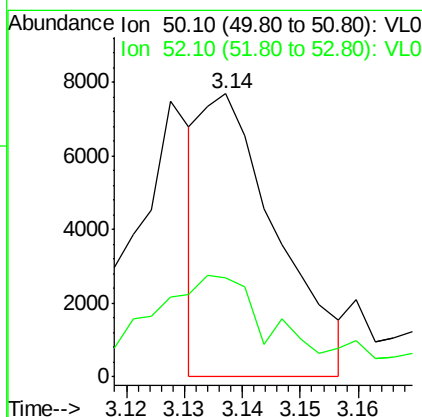
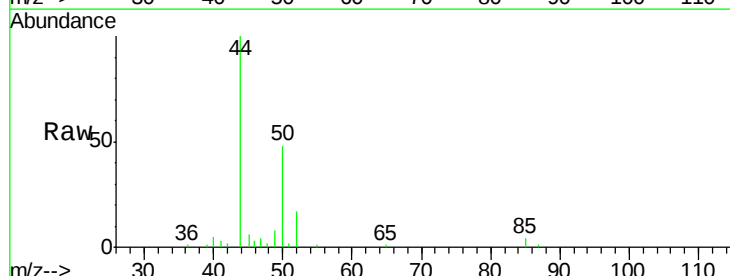
#3  
 Chlorodifluoromethane  
 Concen: 0.220 ppbv  
 RT: 2.98  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-1  
 Acq: 26 Jan 2022 14:49

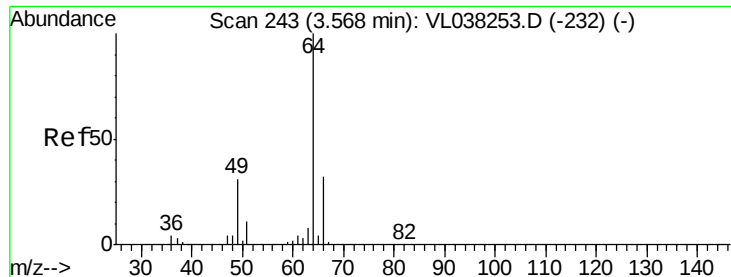
Tgt Ion: 51 Resp: 34715  
 Ion Ratio Lower Upper  
 51 100  
 67 13.5 14.4 21.6#



#4  
 Chloromethane  
 Concen: 0.128 ppbv  
 RT: 3.14 min Scan# 109  
 Delta R.T. -0.01 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

Tgt Ion: 50 Resp: 6939  
 Ion Ratio Lower Upper  
 50 100  
 52 29.6 27.1 40.7





#7

Chloroethane

Concen: 0.294 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

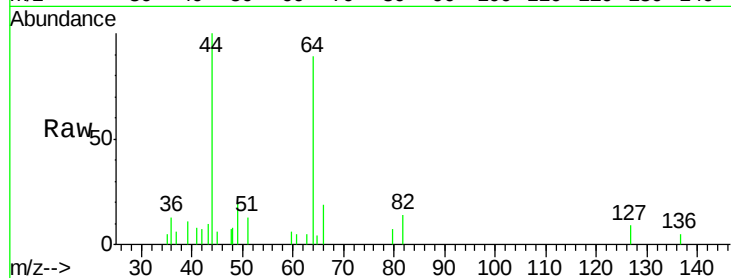
Acq: 26 Jan 2022 14:49 SV-1

Tgt Ion: 64 Resp: 5367

Ion Ratio Lower Upper

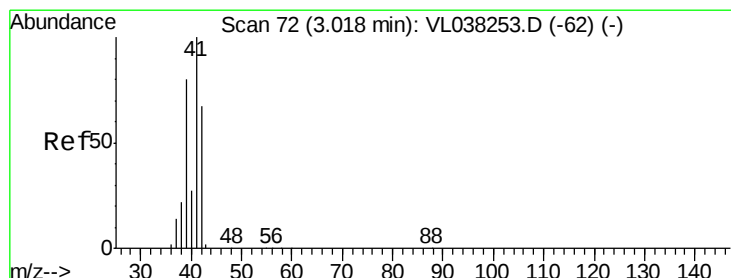
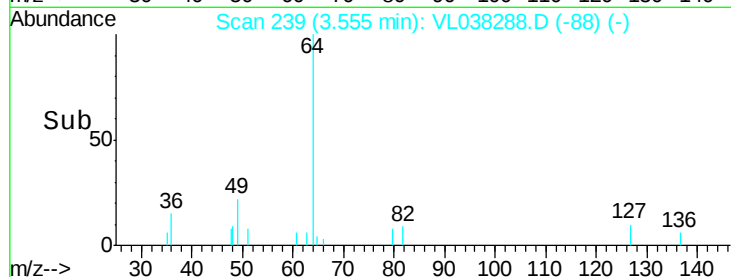
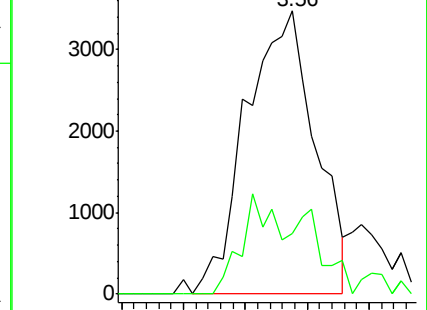
64 100

66 20.5 25.8 38.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 5.211 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.18 min

Lab File: VL038288.D

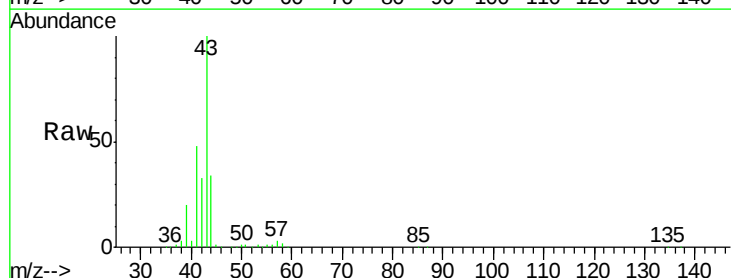
Acq: 26 Jan 2022 14:49

Tgt Ion: 41 Resp: 267438

Ion Ratio Lower Upper

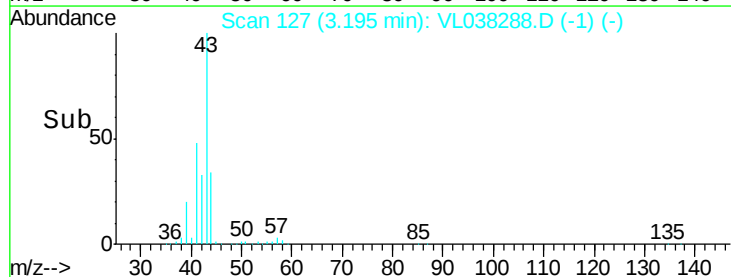
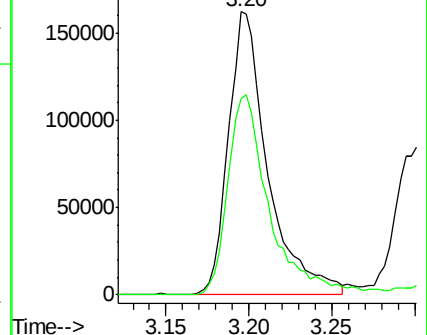
41 100

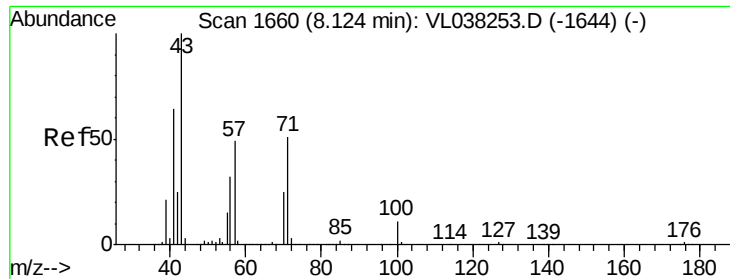
42 74.6 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

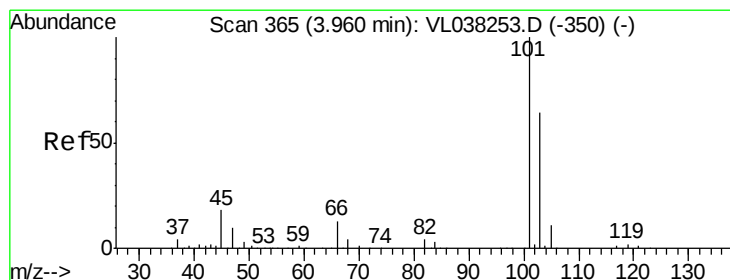
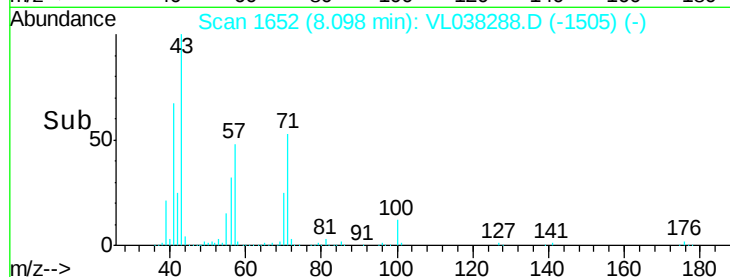
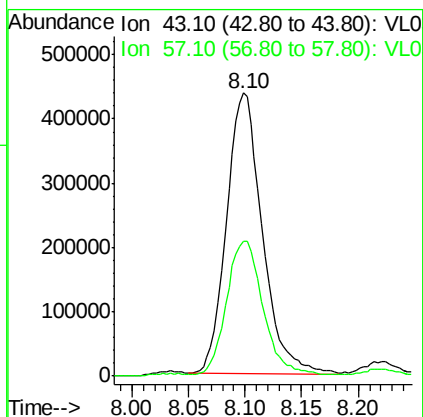
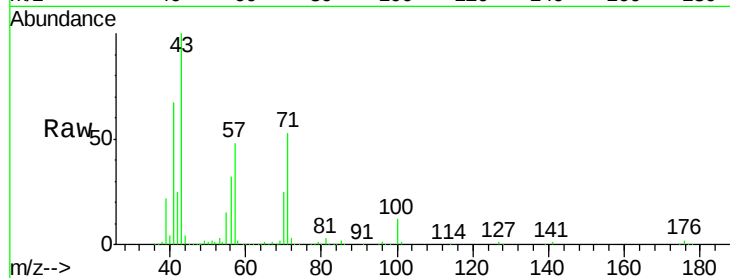
Ion 42.10 (41.80 to 42.80): VL0





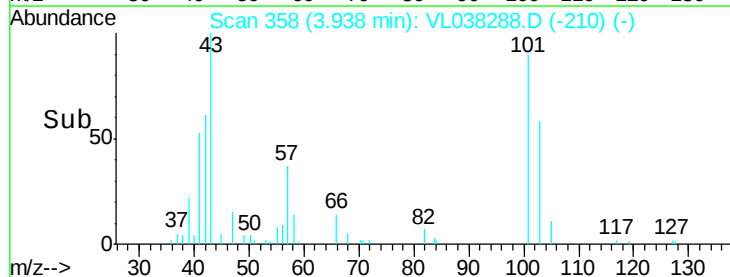
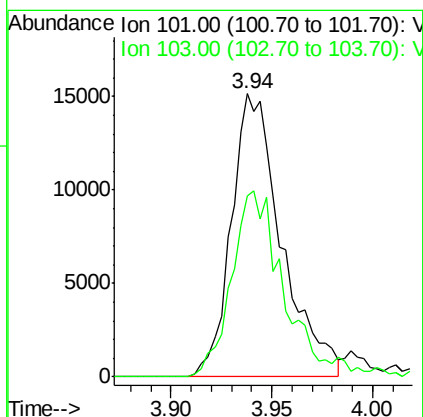
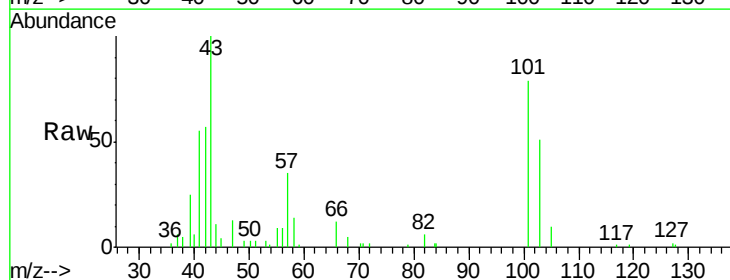
#10  
 Heptane  
 Concen: 7.321 ppbv  
 RT: 8.10  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-1  
 Acq: 26 Jan 2022 14:49

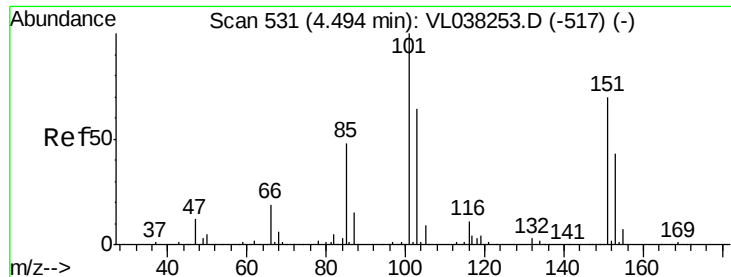
Tgt Ion: 43 Resp: 966642  
 Ion Ratio Lower Upper  
 43 100  
 57 48.2 39.5 59.3



#11  
 Trichlorofluoromethane  
 Concen: 0.201 ppbv  
 RT: 3.94 min Scan# 358  
 Delta R.T. -0.02 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

Tgt Ion: 101 Resp: 26384  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 51.2 76.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.037 ppbv

RT: 4.47 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

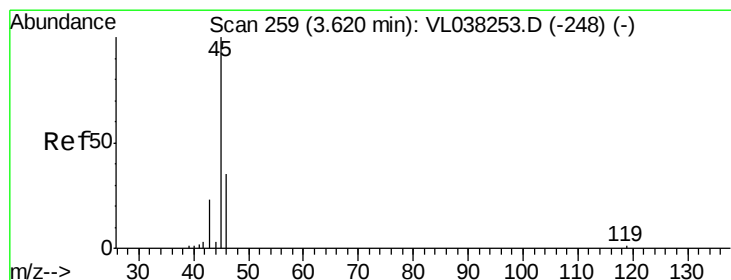
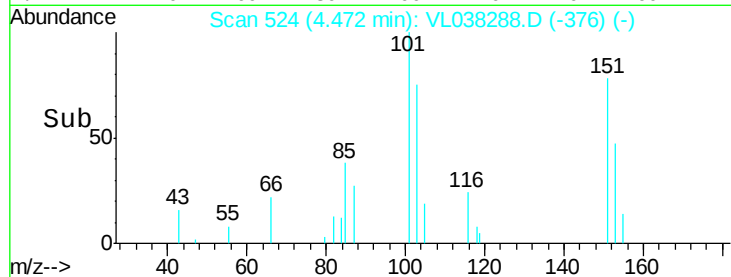
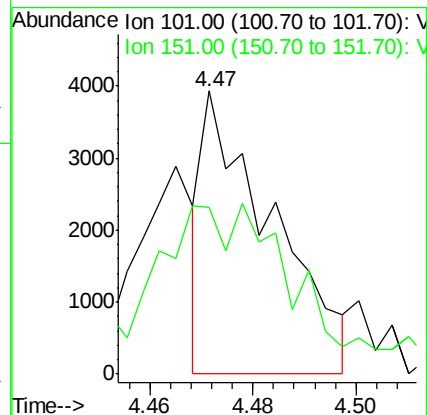
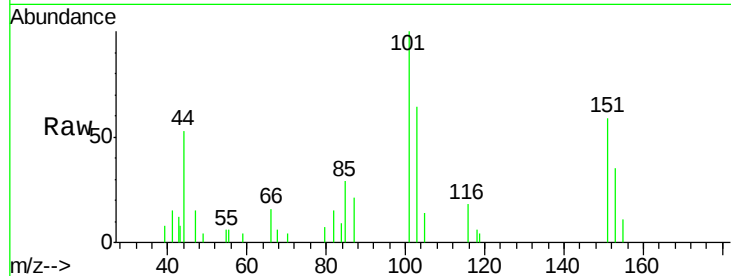
Acq: 26 Jan 2022 14:49 SV-1

Tgt Ion: 101 Resp: 3670

Ion Ratio Lower Upper

101 100

151 128.7 55.3 82.9#



#13

Ethanol

Concen: 7.822 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.02 min

Lab File: VL038288.D

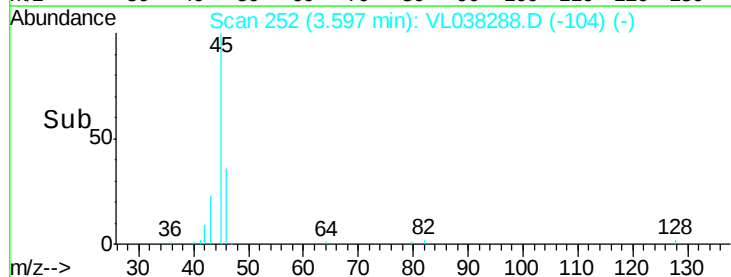
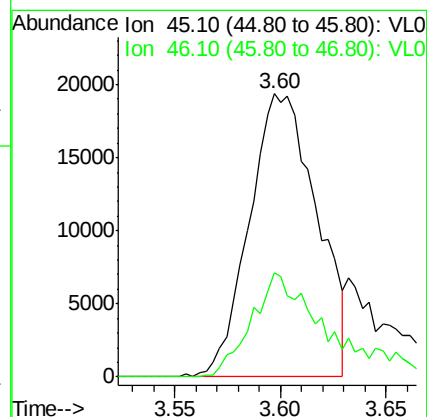
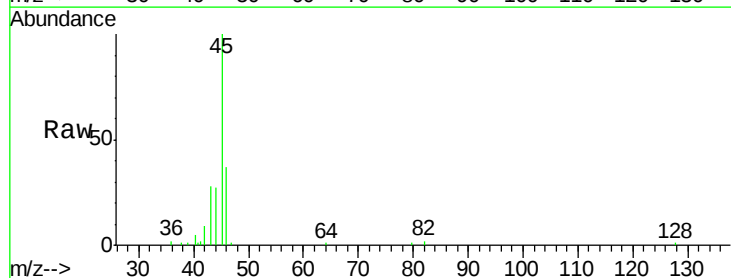
Acq: 26 Jan 2022 14:49

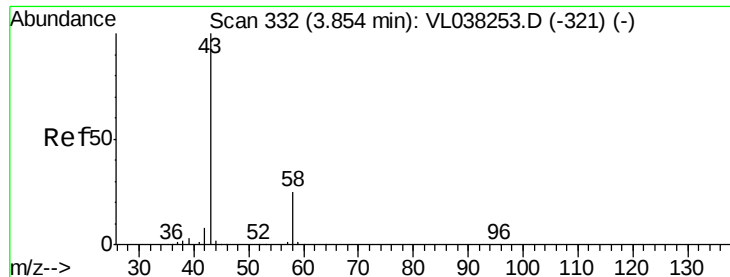
Tgt Ion: 45 Resp: 43094

Ion Ratio Lower Upper

45 100

46 46.9 15.4 61.6





#15

Acetone

Concen: 7.347 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

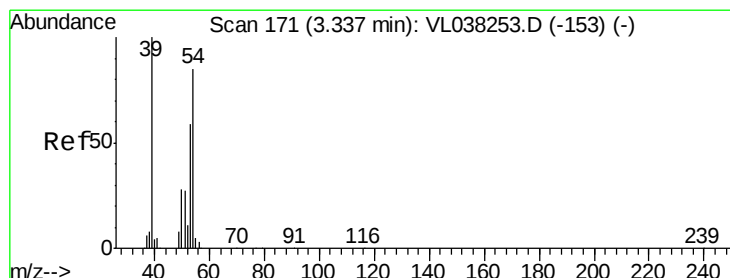
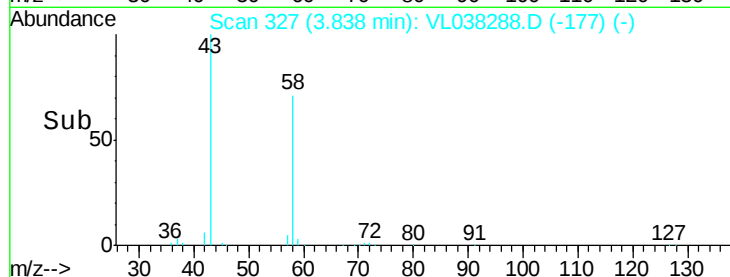
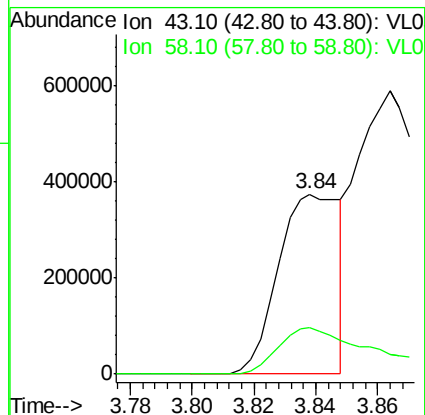
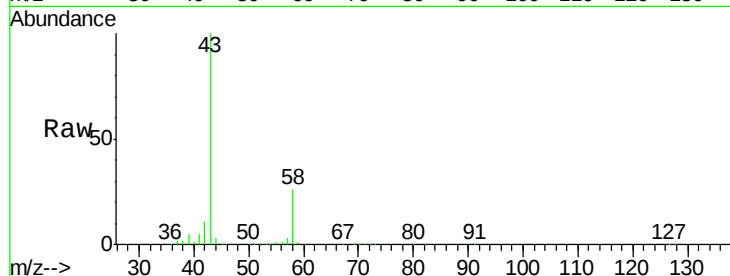
Acq: 26 Jan 2022 14:49 SV-1

Tgt Ion: 43 Resp: 512872

Ion Ratio Lower Upper

43 100

58 45.5 21.5 32.3#



#16

1,3-Butadiene

Concen: 1.424 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.04 min

Lab File: VL038288.D

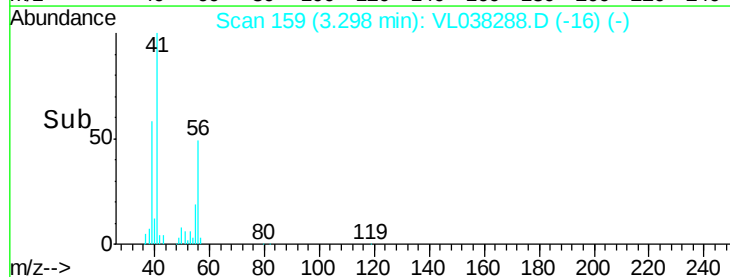
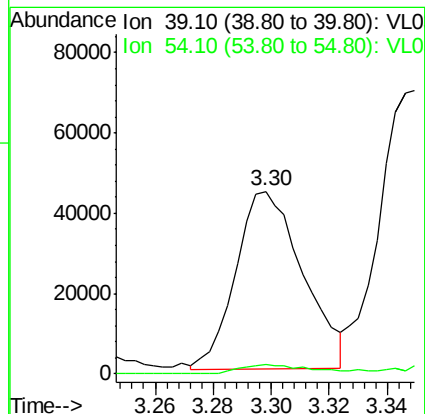
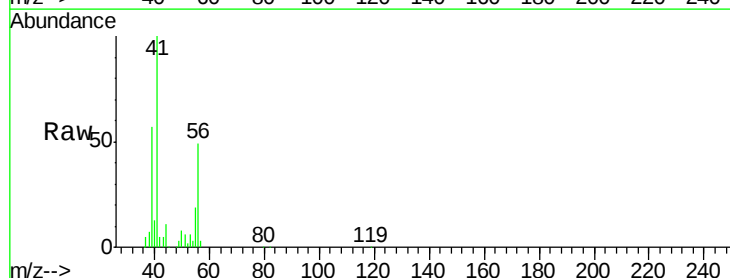
Acq: 26 Jan 2022 14:49

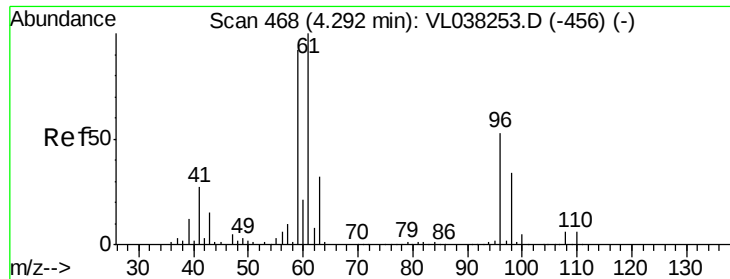
Tgt Ion: 39 Resp: 71332

Ion Ratio Lower Upper

39 100

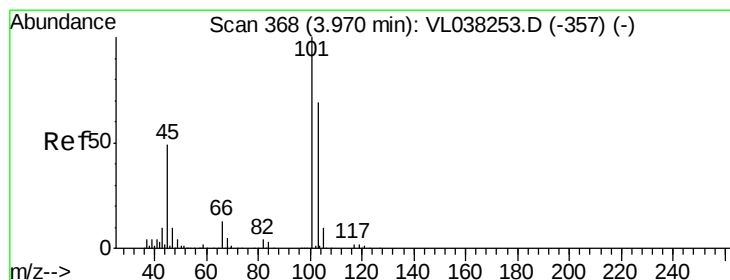
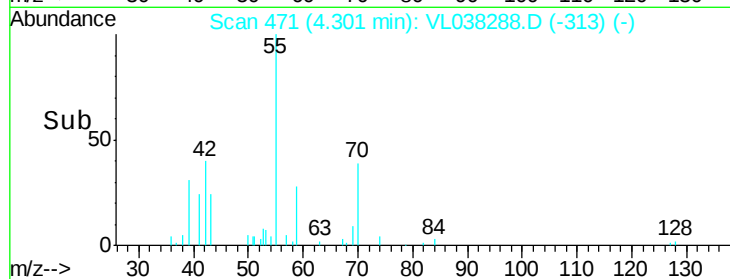
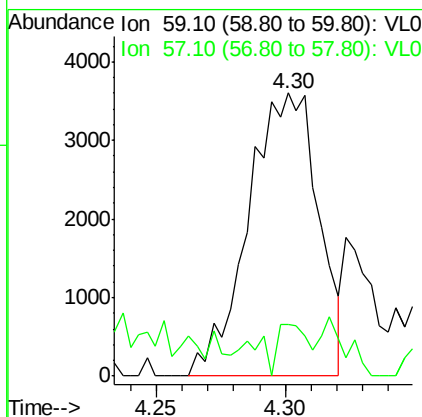
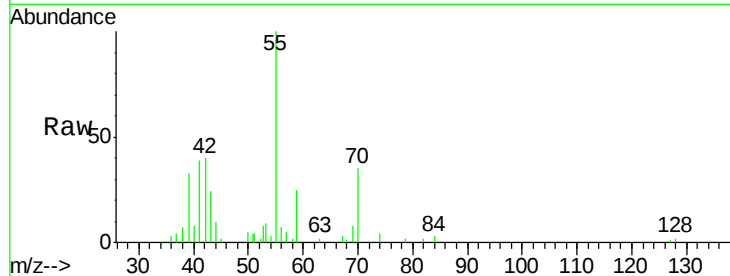
54 6.1 62.6 94.0#





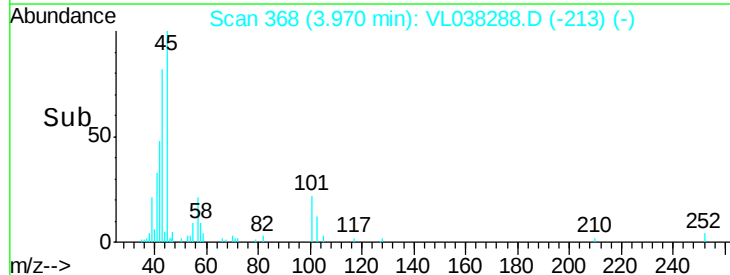
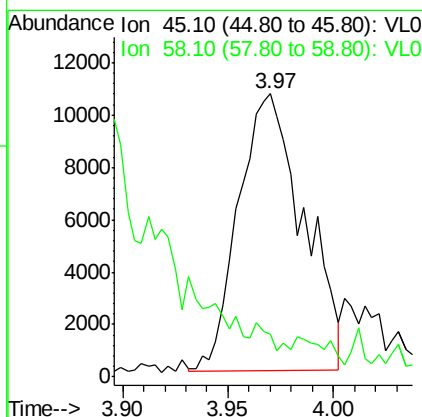
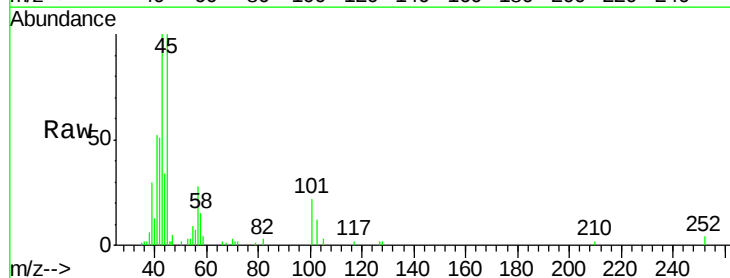
#17  
 tert-Butyl alcohol  
 Concen: 0.089 ppbv  
 RT: 4.30  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId : SV-1  
 Acq: 26 Jan 2022 14:49

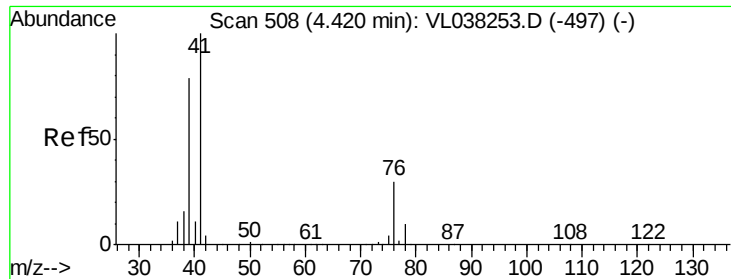
Tgt Ion: 59 Resp: 6849  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 9.2 13.8#



#19  
 Isopropyl Alcohol  
 Concen: 0.520 ppbv  
 RT: 3.97 min Scan# 368  
 Delta R.T.: -0.00 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

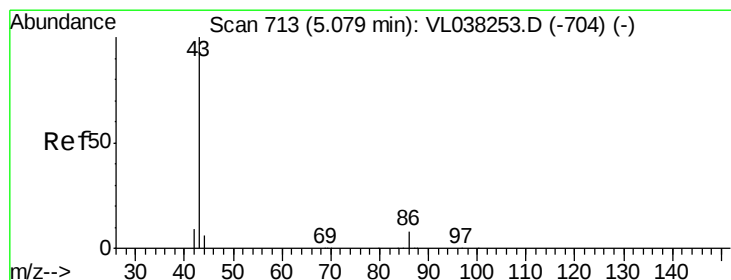
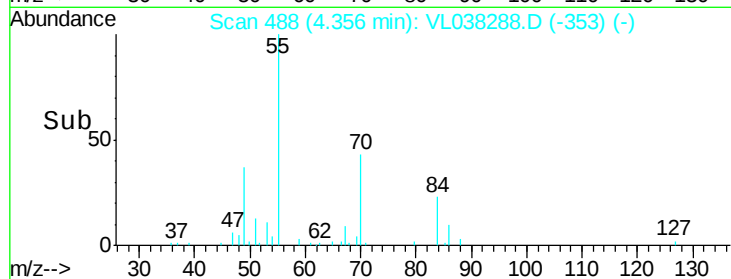
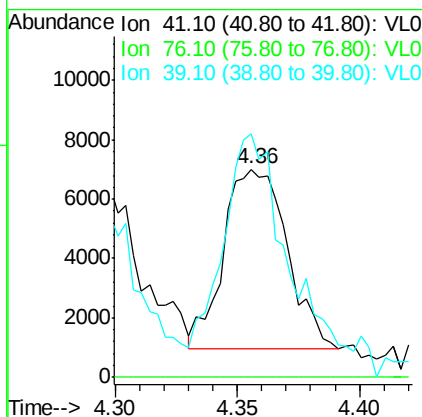
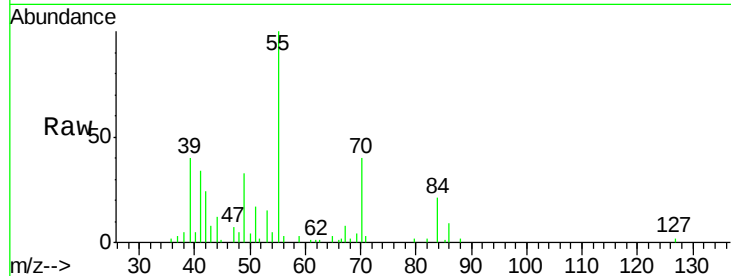
Tgt Ion: 45 Resp: 22690  
 Ion Ratio Lower Upper  
 45 100  
 58 0.0 2.3 3.5#





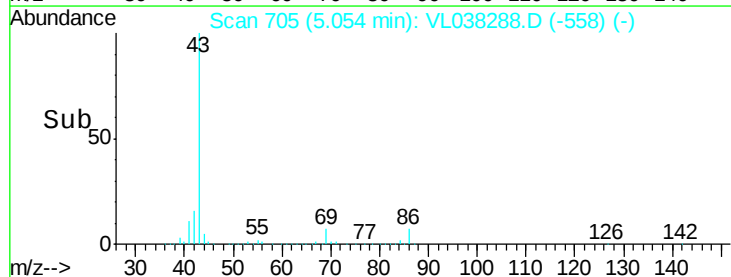
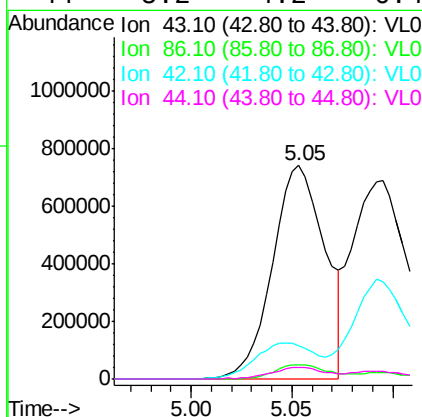
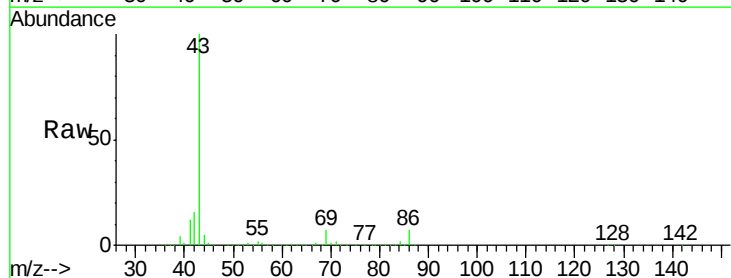
#21  
 Allyl Chloride  
 Concen: 0.176 ppbv  
 RT: 4.36  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-1  
 Acq: 26 Jan 2022 14:49

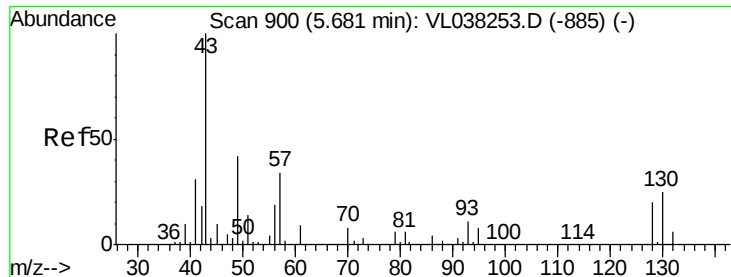
Tgt Ion: 41 Resp: 10882  
 Ion Ratio Lower Upper  
 41 100  
 76 39.2 25.0 37.6#  
 39 162.9 63.0 94.6#



#23  
 Vinyl Acetate  
 Concen: 13.083 ppbv  
 RT: 5.05 min Scan# 705  
 Delta R.T. -0.03 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

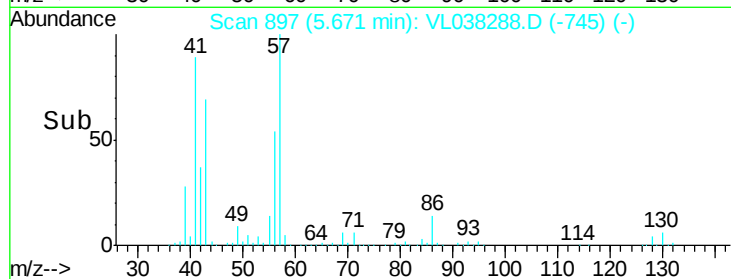
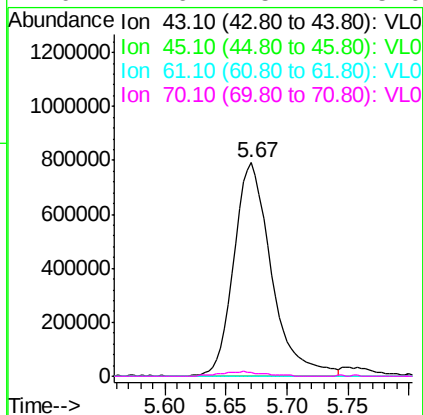
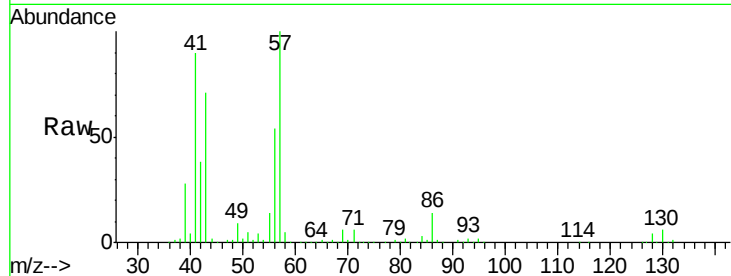
Tgt Ion: 43 Resp: 1327891  
 Ion Ratio Lower Upper  
 43 100  
 86 6.9 5.7 8.5  
 42 15.8 7.7 11.5#  
 44 5.2 4.2 6.4





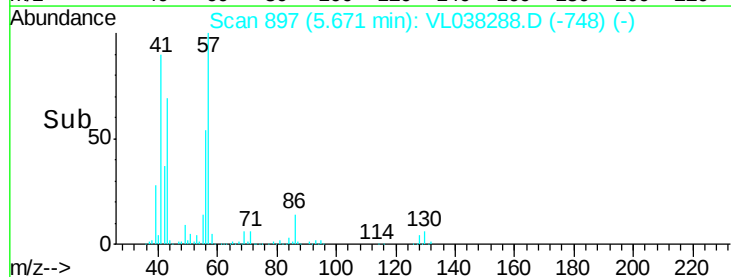
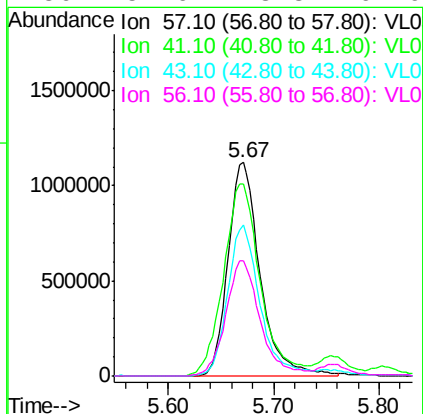
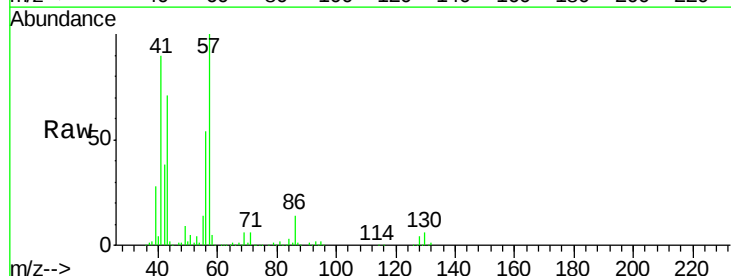
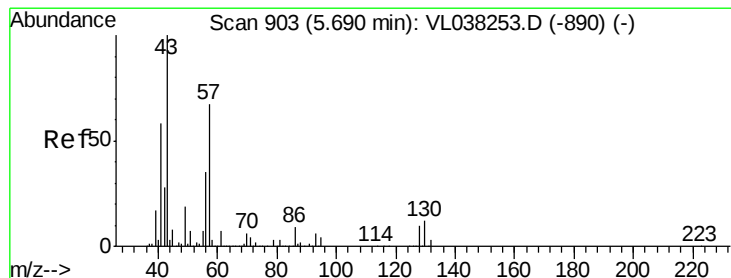
#25  
Ethyl Acetate  
Concen: 8.571 ppbv  
RT: 5.67  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SV-1  
Acq: 26 Jan 2022 14:49

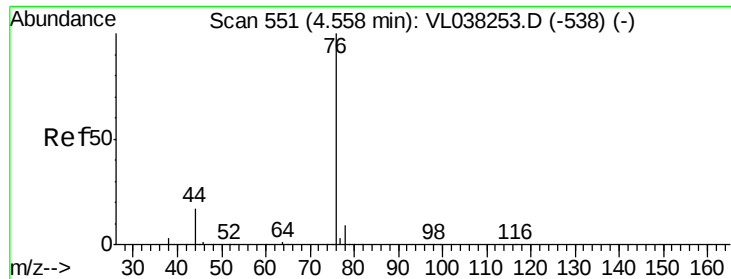
| Tgt Ion: | 43    | Resp: | 1675308 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 45       | 0.1   | 7.9   | 11.9#   |
| 61       | 0.3   | 7.8   | 11.8#   |
| 70       | 2.6   | 5.4   | 8.0#    |



#26  
Hexane  
Concen: 25.963 ppbv  
RT: 5.67 min Scan# 897  
Delta R.T. -0.02 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

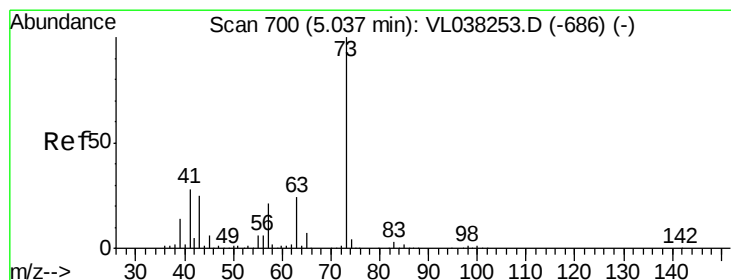
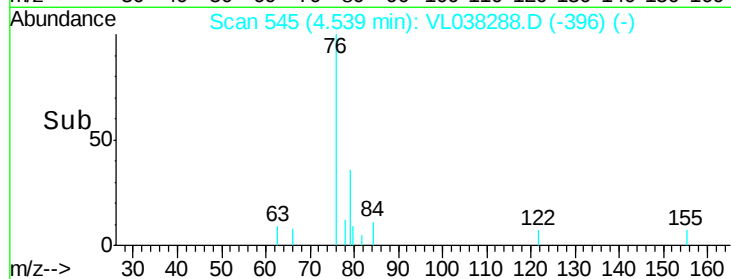
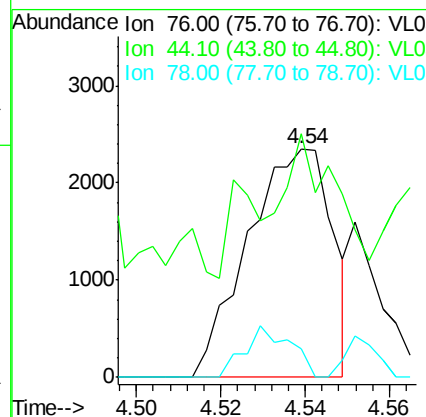
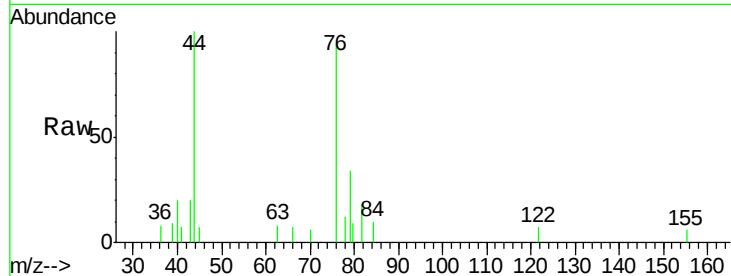
| Tgt Ion: | 57    | Resp: | 2360325 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 57       | 100   |       |         |
| 41       | 103.0 | 72.8  | 109.2   |
| 43       | 71.1  | 177.0 | 265.6#  |
| 56       | 57.6  | 43.3  | 64.9    |





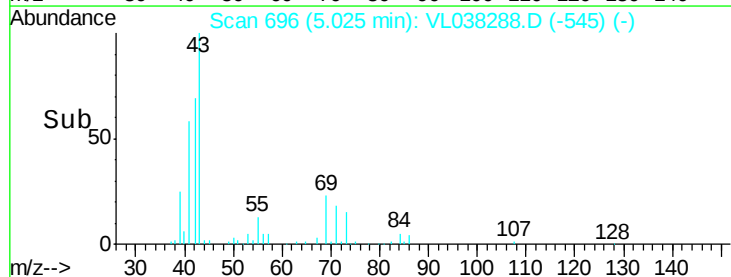
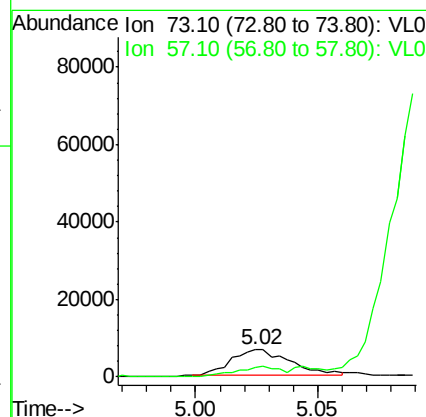
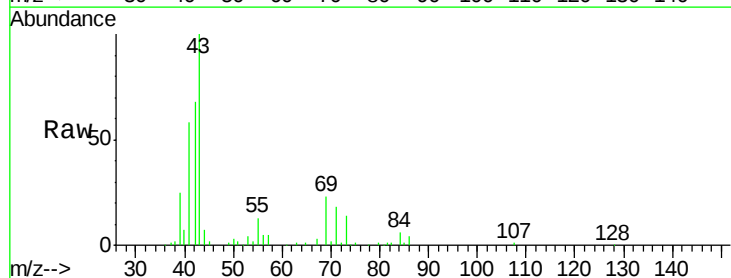
#27  
Carbon Disulfide  
Concen: 0.031 ppbv  
RT: 4.54 Instrument: MSVOA\_1  
Delta R.T. ClientSampleId:  
Lab File: SV-1  
Acq: 26 Jan 2022 14:49

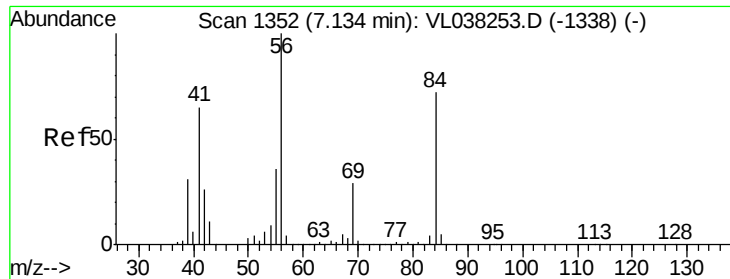
Tgt Ion: 76 Resp: 3254  
Ion Ratio Lower Upper  
76 100  
44 53.6 14.8 22.2#  
78 20.3 7.9 11.9#



#28  
Methyl tert-Butyl Ether  
Concen: 0.119 ppbv  
RT: 5.02 min Scan# 696  
Delta R.T. -0.01 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

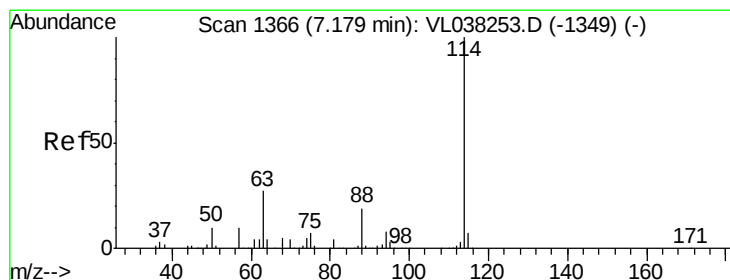
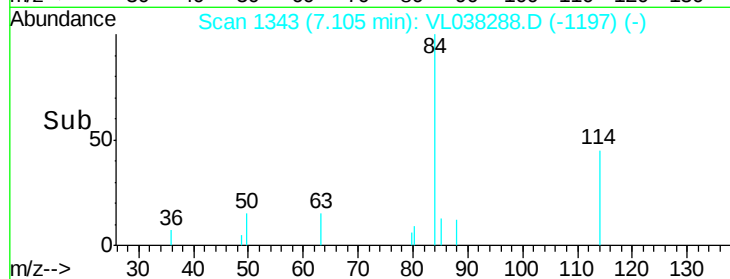
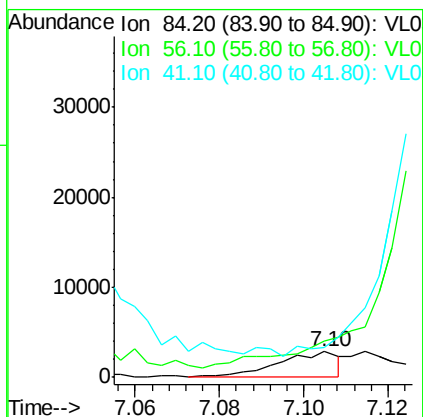
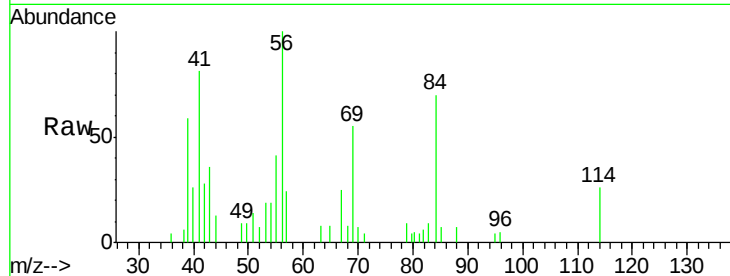
Tgt Ion: 73 Resp: 11184  
Ion Ratio Lower Upper  
73 100  
57 0.0 18.2 27.4#





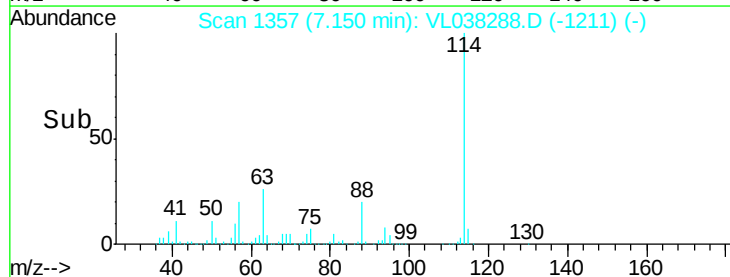
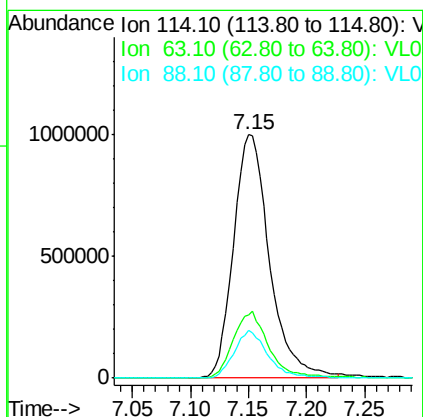
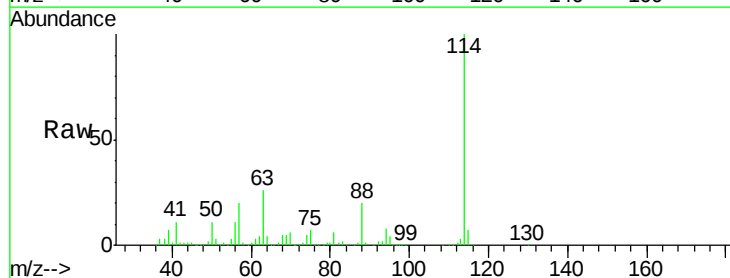
#30  
Cyclohexane  
Concen: 0.037 ppbv  
RT: 7.10  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SV-1  
Acq: 26 Jan 2022 14:49

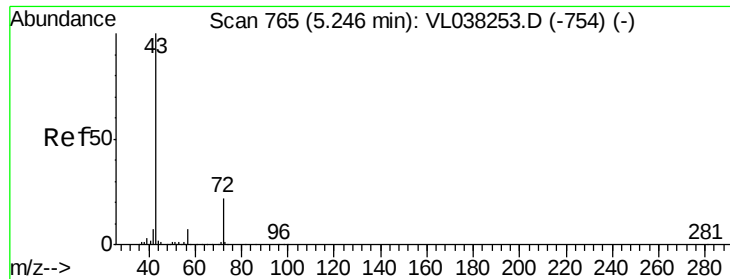
Tgt Ion: 84 Resp: 2912  
Ion Ratio Lower Upper  
84 100  
56 0.0 112.7 169.1#  
41 0.0 71.1 106.7#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.15 min Scan# 1357  
Delta R.T. -0.03 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

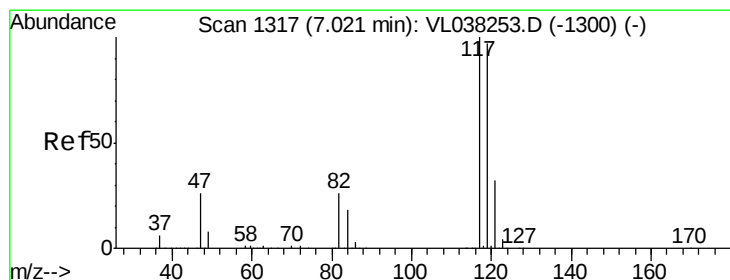
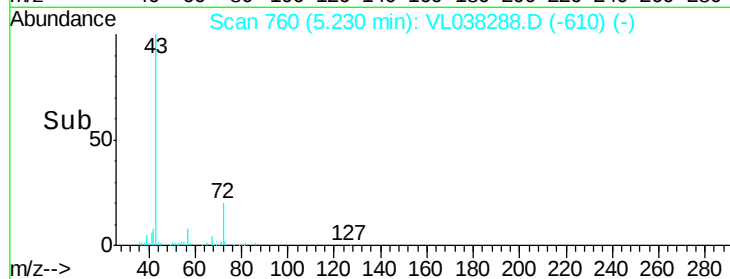
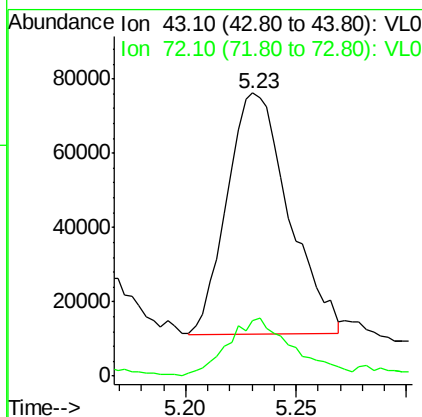
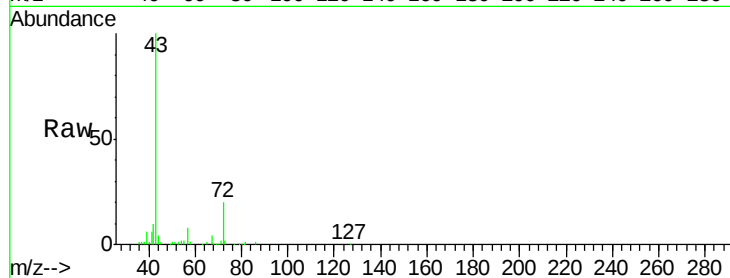
Tgt Ion: 114 Resp: 2149944  
Ion Ratio Lower Upper  
114 100  
63 27.4 22.0 33.0  
88 18.7 15.0 22.6





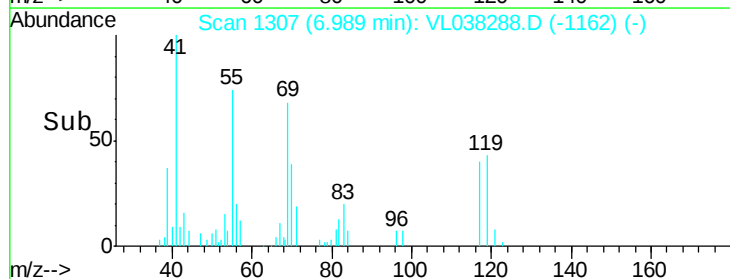
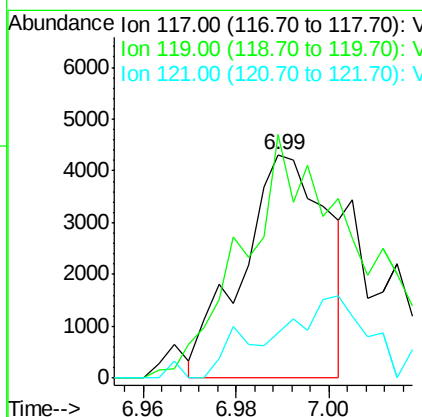
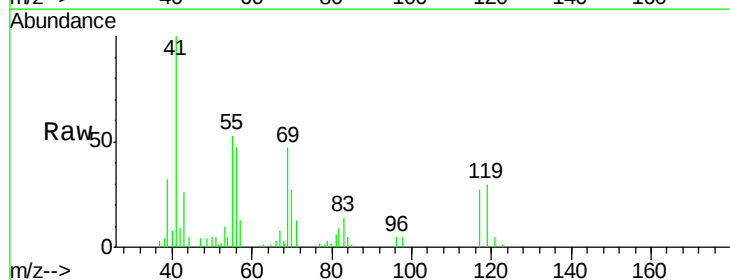
#34  
 2-Butanone  
 Concen: 1.785 ppbv  
 RT: 5.23  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-1  
 Acq: 26 Jan 2022 14:49

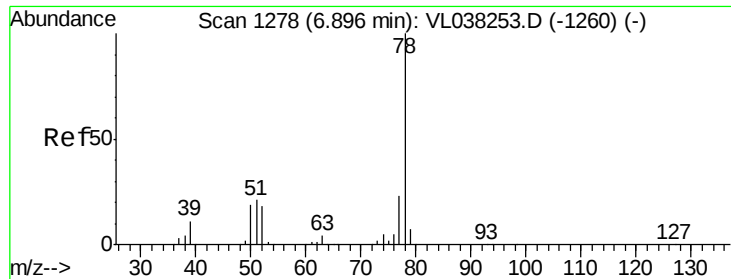
Tgt Ion: 43 Resp: 125534  
 Ion Ratio Lower Upper  
 43 100  
 72 28.5 18.1 27.1#



#35  
 Carbon Tetrachloride  
 Concen: 0.037 ppbv  
 RT: 6.99 min Scan# 1307  
 Delta R.T. -0.03 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

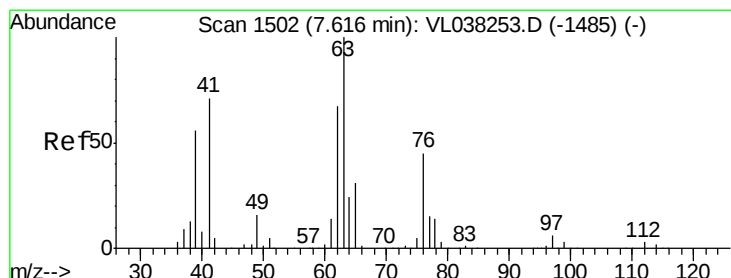
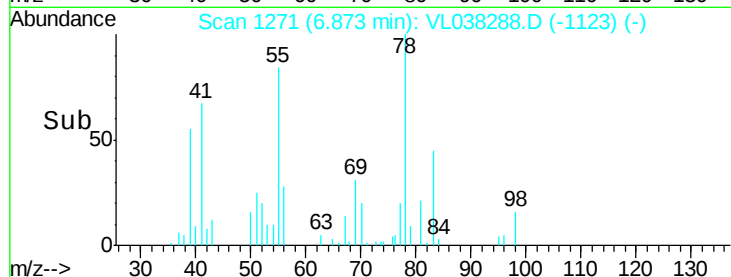
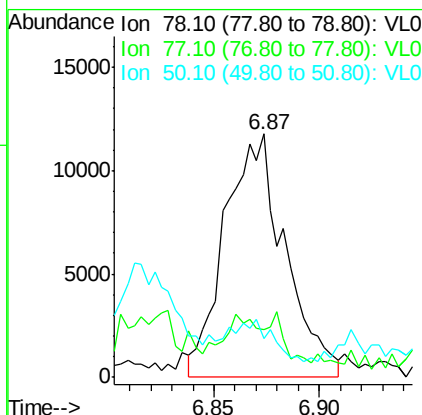
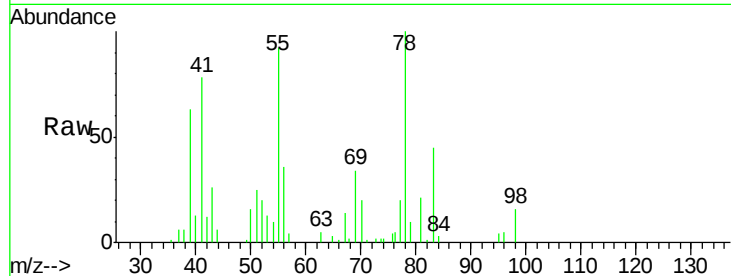
Tgt Ion: 117 Resp: 5525  
 Ion Ratio Lower Upper  
 117 100  
 119 101.4 77.9 116.9  
 121 21.7 25.4 38.2#





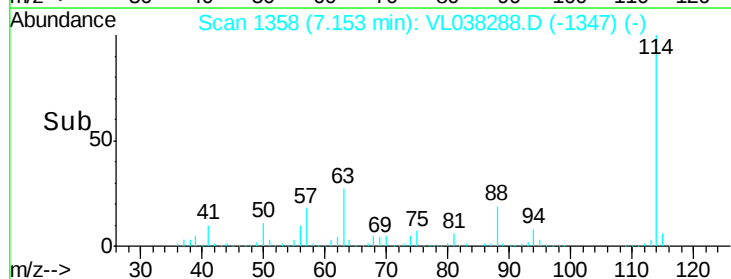
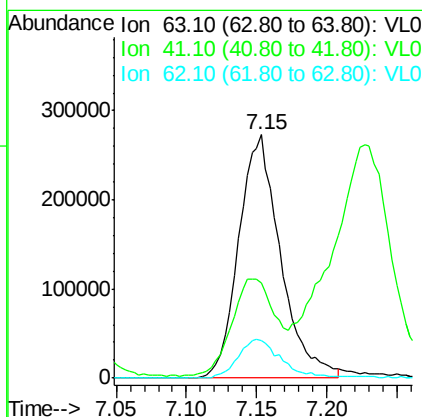
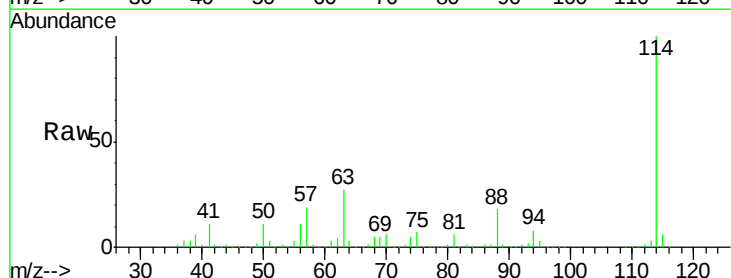
#36  
Benzene  
Concen: 0.123 ppbv  
RT: 6.87  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 26 Jan 2022 14:49

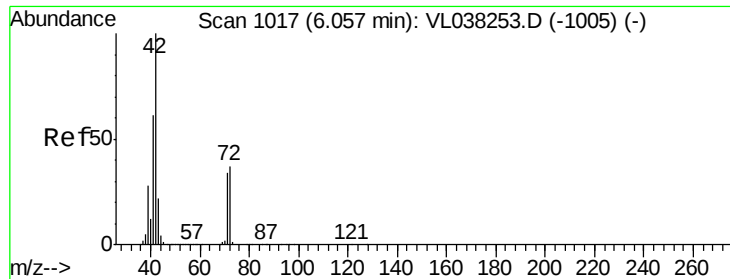
Tgt Ion: 78 Resp: 23306  
Ion Ratio Lower Upper  
78 100  
77 14.9 18.2 27.2#  
50 3.0 15.1 22.7#



#39  
1,2-Dichloropropane  
Concen: 7.338 ppbv  
RT: 7.15 min Scan# 1358  
Delta R.T. -0.46 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

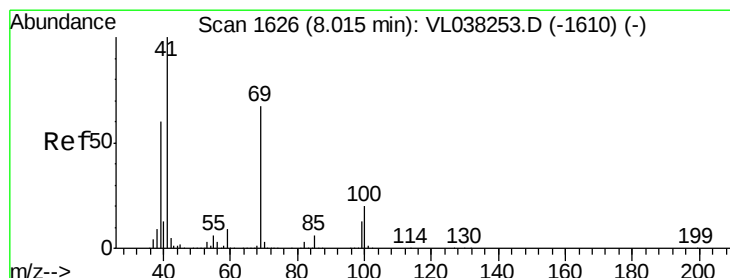
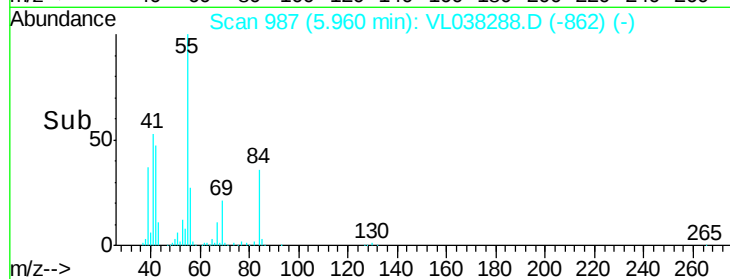
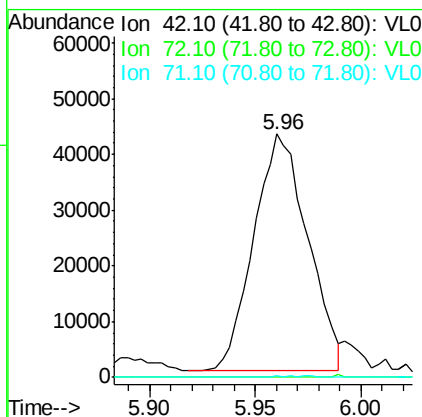
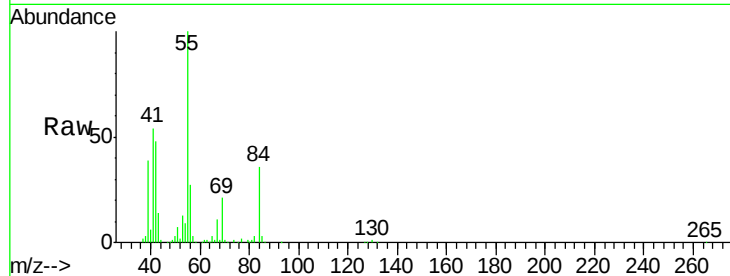
Tgt Ion: 63 Resp: 565773  
Ion Ratio Lower Upper  
63 100  
41 37.3 56.6 85.0#  
62 15.7 53.9 80.9#





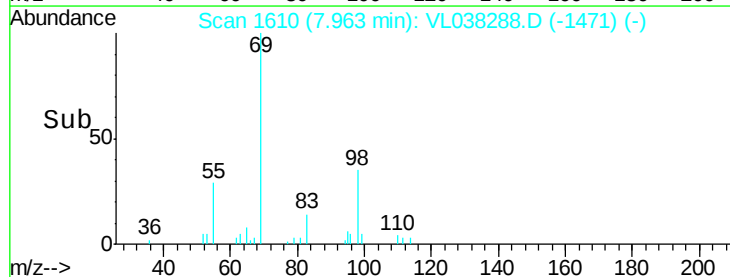
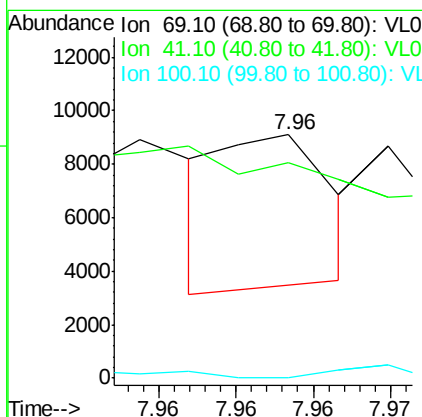
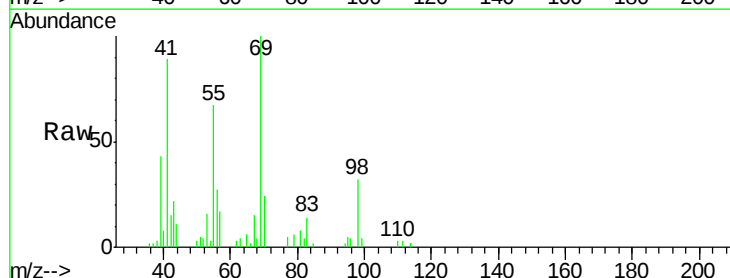
#41  
Tetrahydrofuran  
Concen: 1.601 ppbv  
RT: 5.96  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId : SV-1  
Acq: 26 Jan 2022 14:49

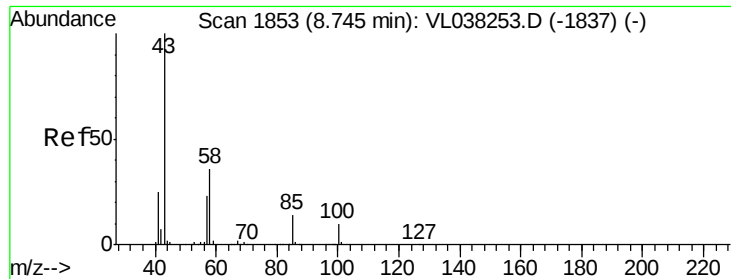
Tgt Ion: 42 Resp: 75671  
Ion Ratio Lower Upper  
42 100  
72 2.7 29.7 44.5#  
71 0.0 29.4 44.2#



#43  
Methyl Methacrylate  
Concen: 0.042 ppbv  
RT: 7.96 min Scan# 1610  
Delta R.T. -0.05 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

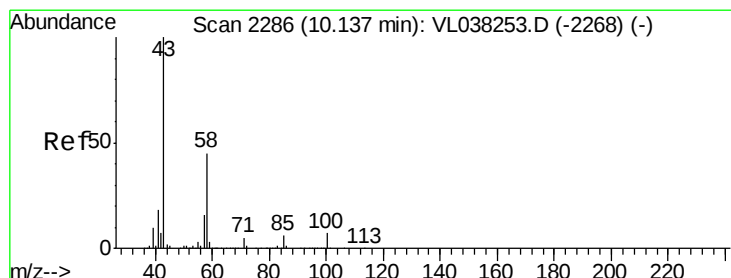
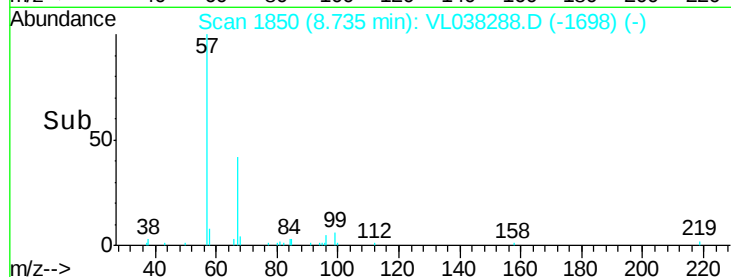
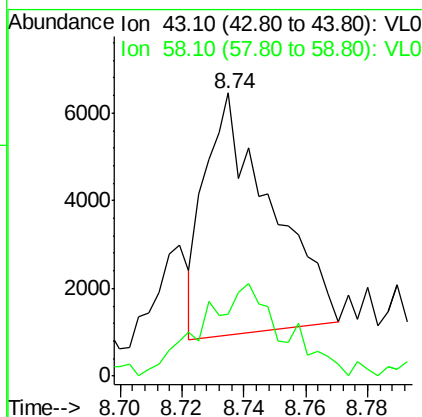
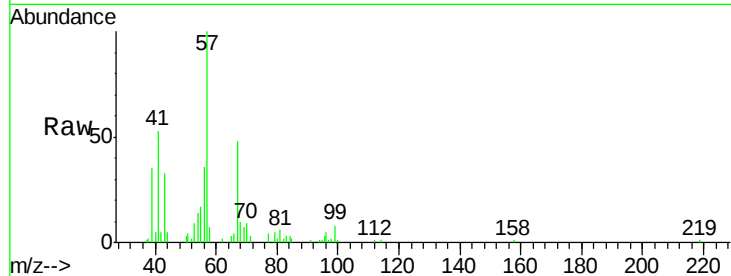
Tgt Ion: 69 Resp: 2797  
Ion Ratio Lower Upper  
69 100  
41 0.0 120.9 181.3#  
100 0.0 23.4 35.0#





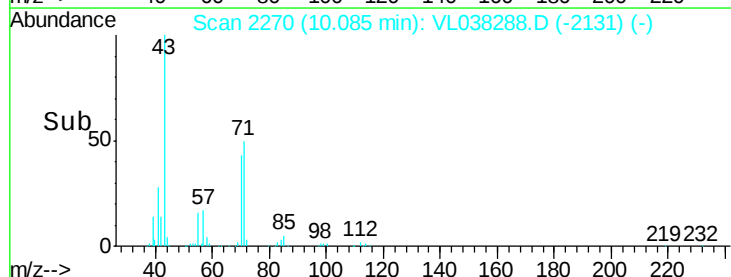
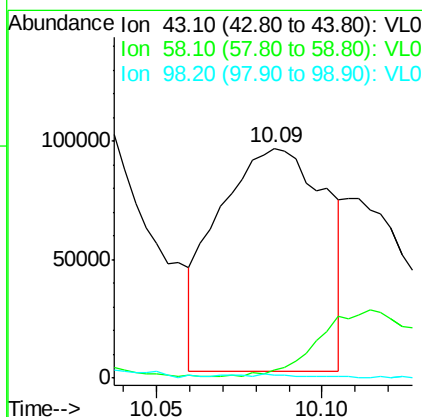
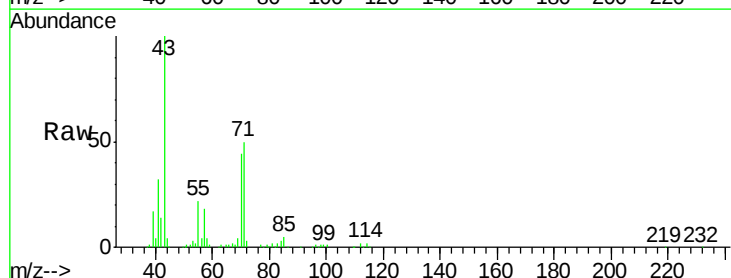
#50  
 4-Methyl-2-Pentanone  
 Concen: 0.065 ppbv  
 RT: 8.74  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-1  
 Acq: 26 Jan 2022 14:49

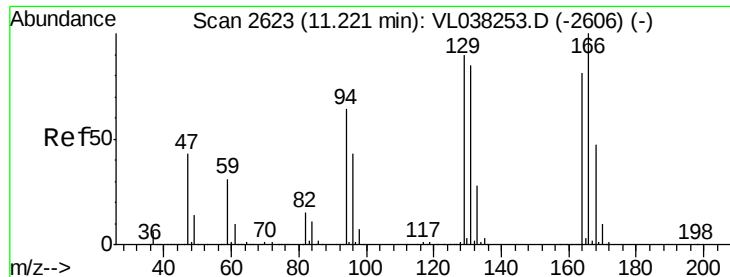
Tgt Ion: 43 Resp: 8132  
 Ion Ratio Lower Upper  
 43 100  
 58 52.3 28.2 42.4#



#51  
 2-Hexanone  
 Concen: 3.858 ppbv  
 RT: 10.09 min Scan# 2270  
 Delta R.T. -0.05 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

Tgt Ion: 43 Resp: 213120  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 37.0 55.4#  
 98 1.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.421 ppbv

RT: 11.19

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 26 Jan 2022 14:49

Tgt Ion: 164 Resp: 27592

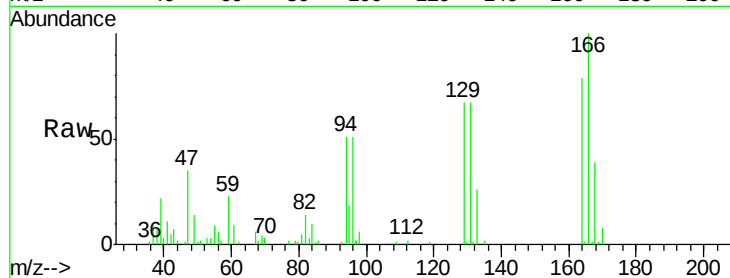
Ion Ratio Lower Upper

164 100

166 127.0 98.8 148.2

129 84.8 89.2 133.8#

131 84.6 83.6 125.4

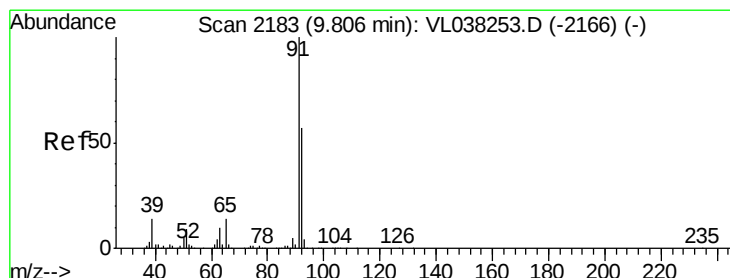
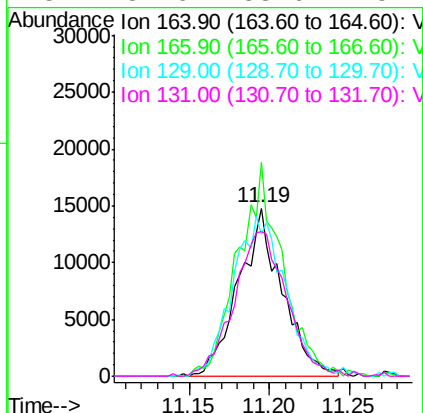
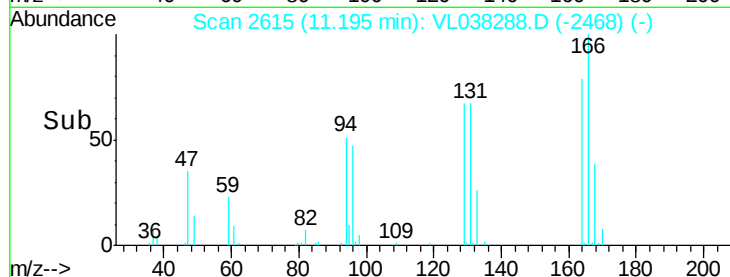


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.236 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.03 min

Lab File: VL038288.D

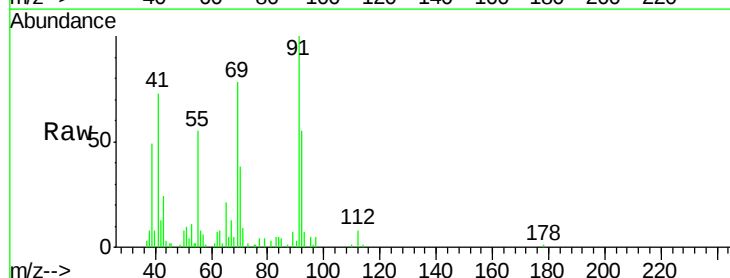
Acq: 26 Jan 2022 14:49

Tgt Ion: 91 Resp: 49589

Ion Ratio Lower Upper

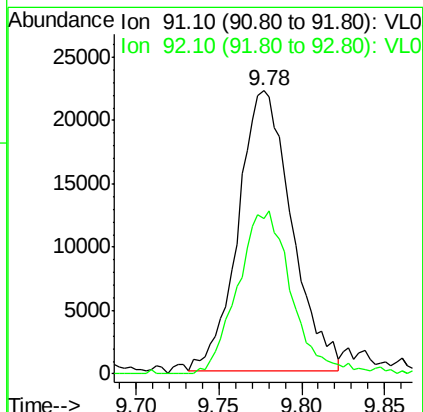
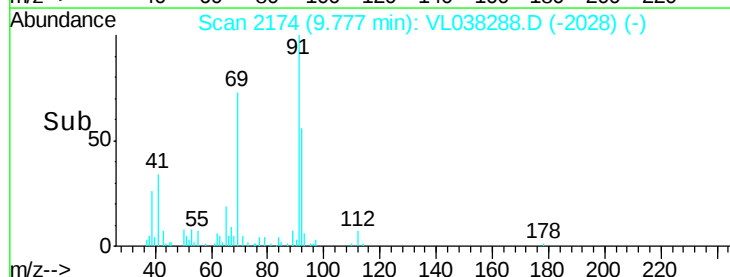
91 100

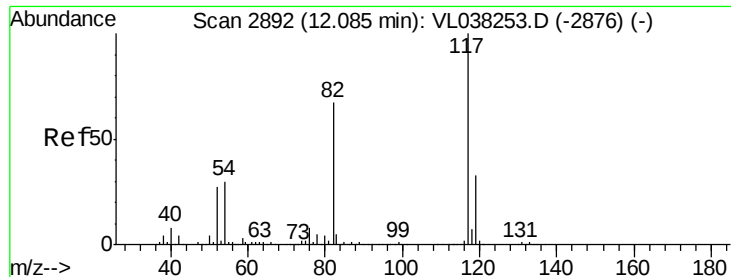
92 58.9 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

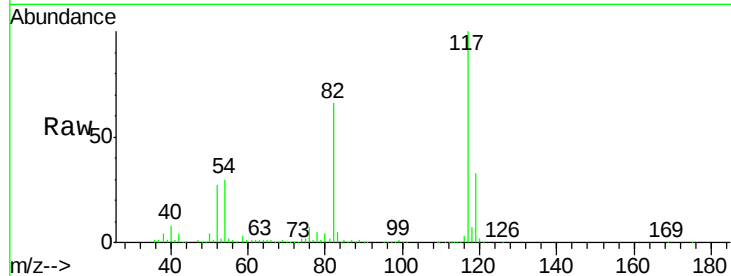
Ion 92.10 (91.80 to 92.80): VL0



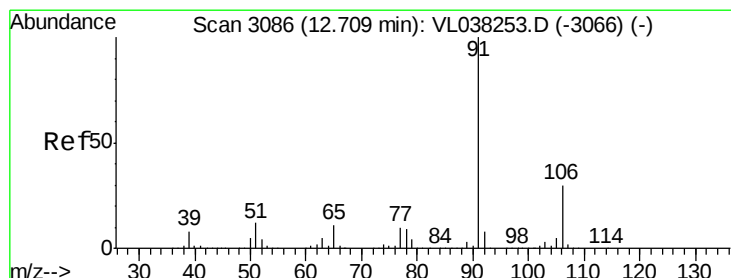
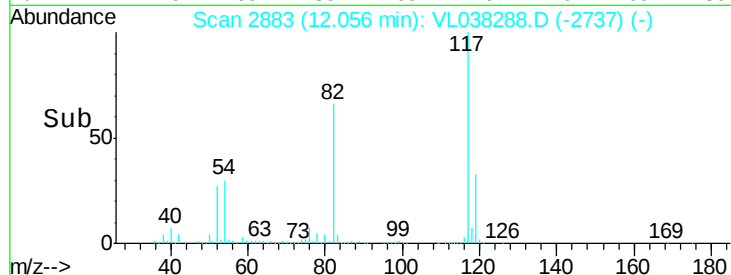
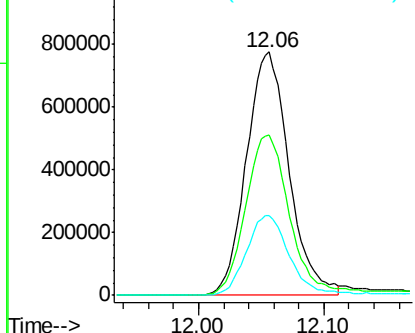


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.06 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : SV-1  
Acq: 26 Jan 2022 14:49

Tgt Ion: 117 Resp: 1837015  
Ion Ratio Lower Upper  
117 100  
82 71.7 54.4 81.6  
119 34.7 45.9 68.9#

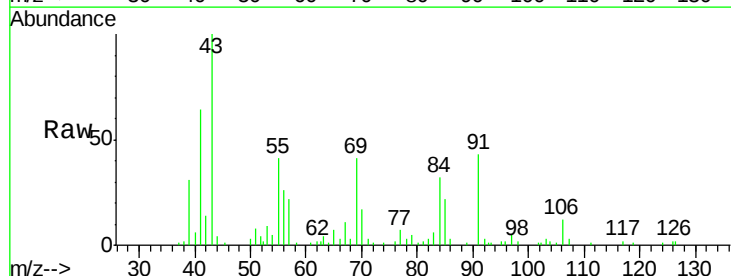


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

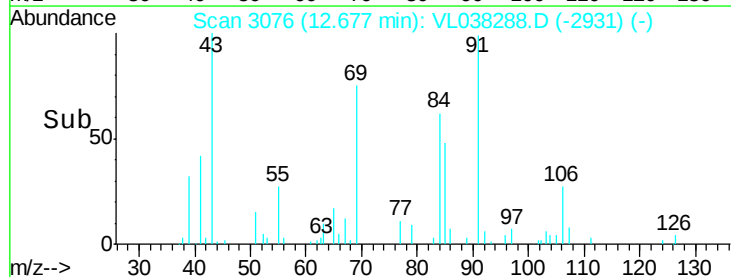
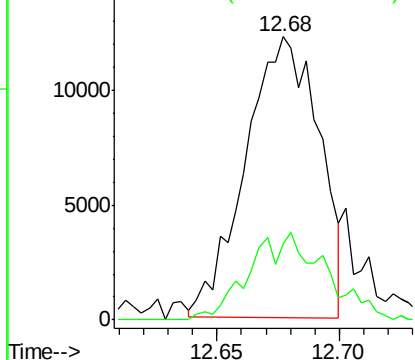


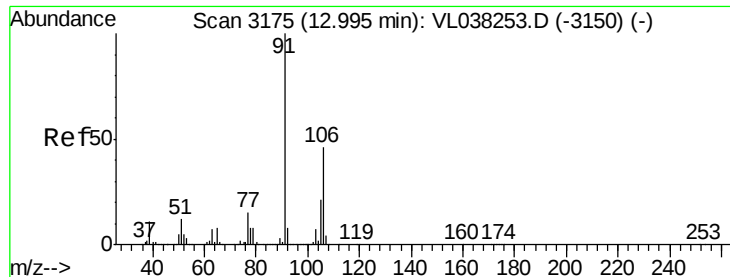
#58  
Ethyl Benzene  
Concen: 0.095 ppbv  
RT: 12.68 min Scan# 3076  
Delta R.T. -0.03 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

Tgt Ion: 91 Resp: 25533  
Ion Ratio Lower Upper  
91 100  
106 28.4 24.1 36.1



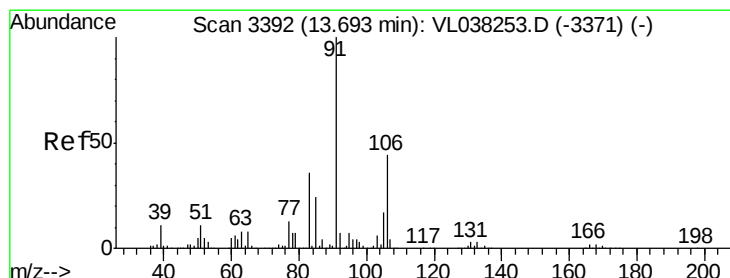
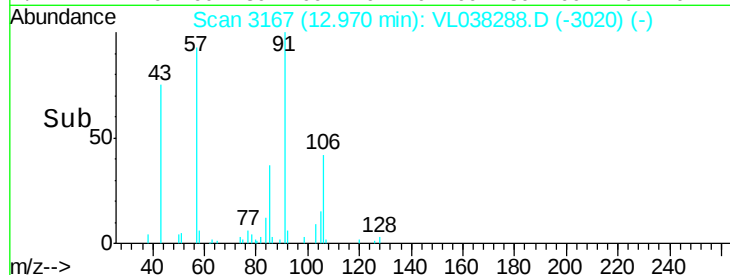
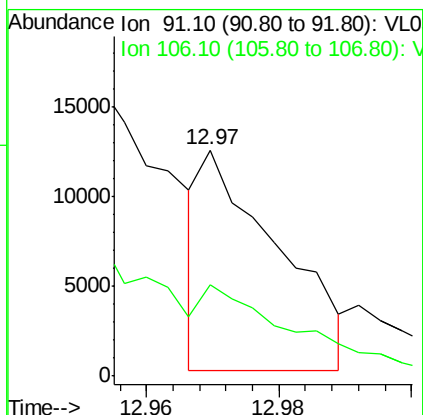
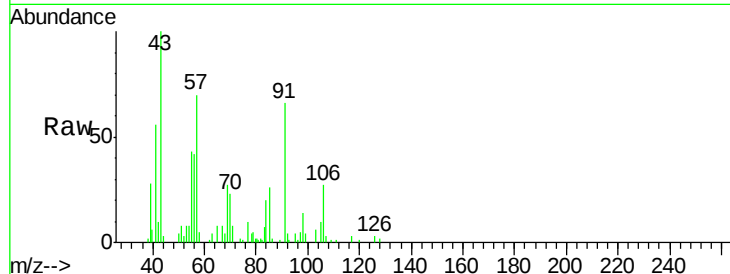
Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 106.10 (105.80 to 106.80): V





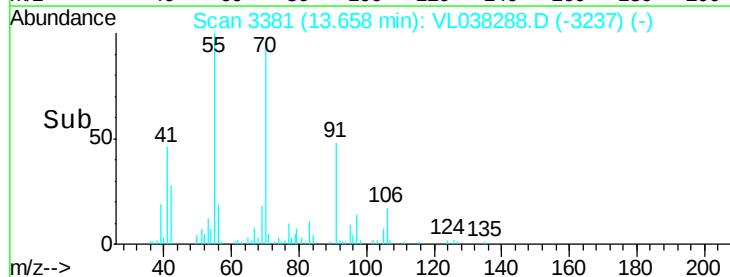
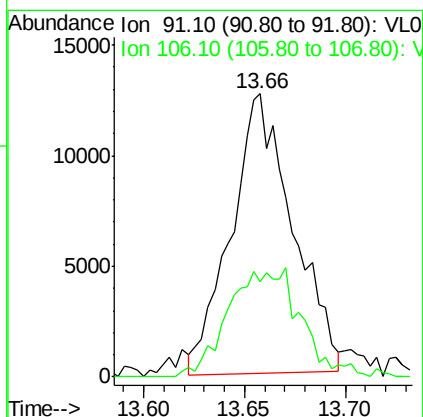
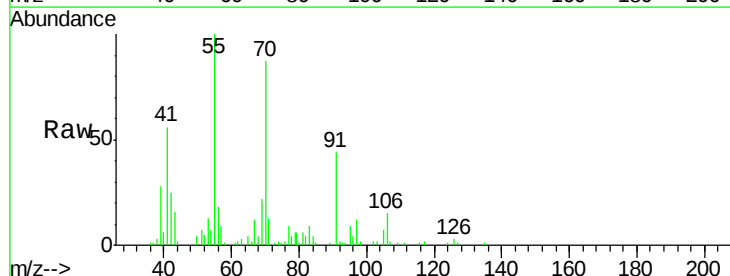
#59  
m/p-Xylene  
Concen: 0.043 ppbv  
RT: 12.97  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId : SV-1  
Acq: 26 Jan 2022 14:49

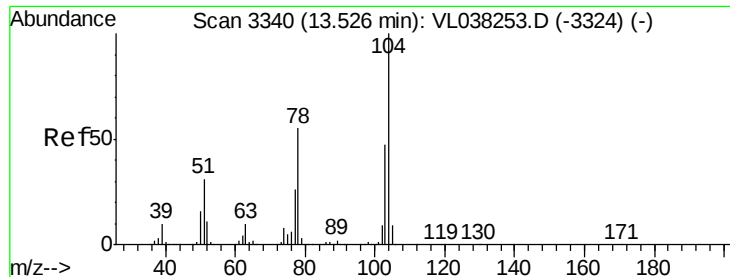
Tgt Ion: 91 Resp: 9977  
Ion Ratio Lower Upper  
91 100  
106 0.0 34.8 52.2#



#60  
o-Xylene  
Concen: 0.126 ppbv  
RT: 13.66 min Scan# 3381  
Delta R.T. -0.04 min  
Lab File: VL038288.D  
Acq: 26 Jan 2022 14:49

Tgt Ion: 91 Resp: 27033  
Ion Ratio Lower Upper  
91 100  
106 45.9 22.2 66.6





#61

Styrene

Concen: 0.056 ppbv

RT: 13.50

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 26 Jan 2022 14:49

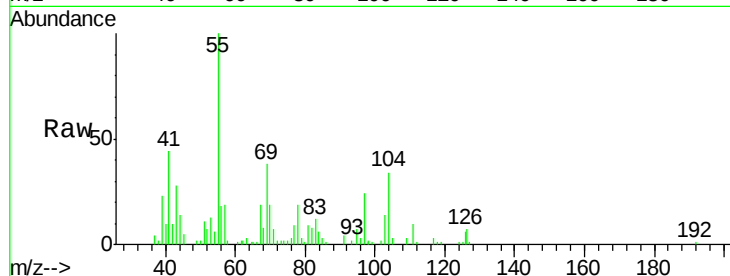
Tgt Ion:104 Resp: 5603

Ion Ratio Lower Upper

104 100

78 126.1 44.2 66.4#

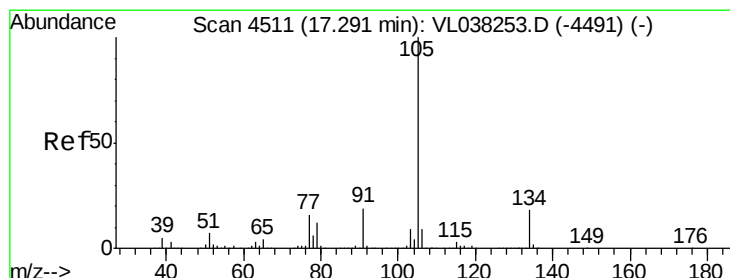
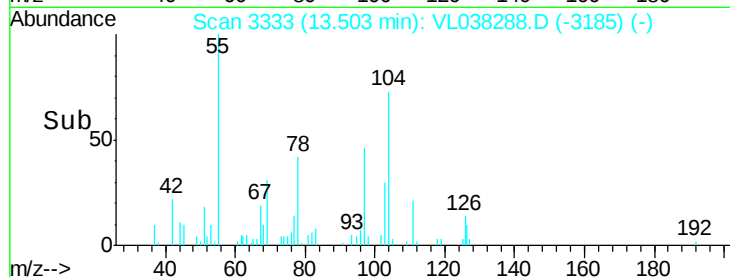
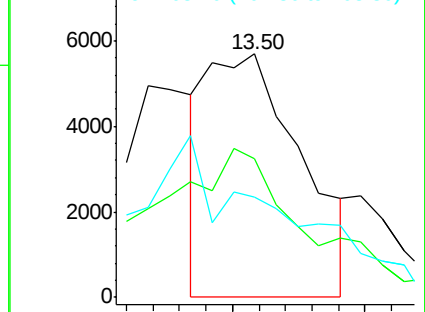
103 120.3 38.2 57.4#



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



#67

sec-Butylbenzene

Concen: 0.032 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.02 min

Lab File: VL038288.D

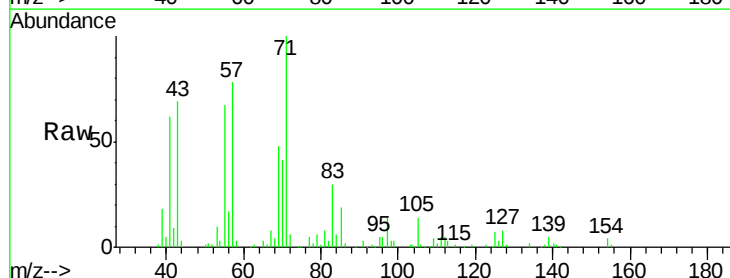
Acq: 26 Jan 2022 14:49

Tgt Ion:105 Resp: 10378

Ion Ratio Lower Upper

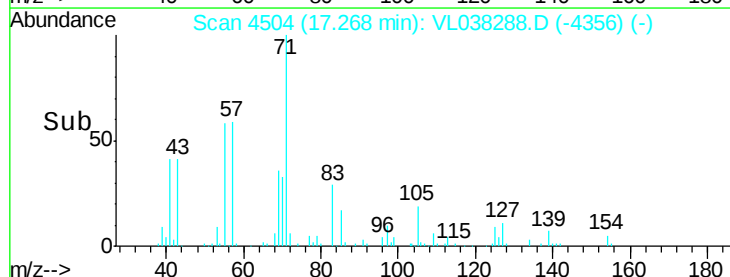
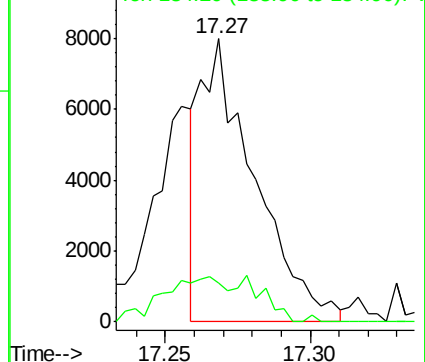
105 100

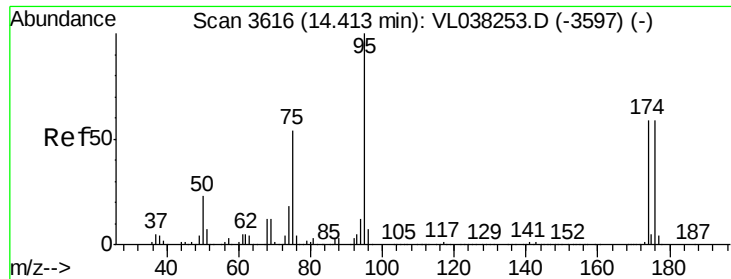
134 27.4 14.3 21.5#



Abundance Ion 105.10 (104.80 to 105.80): V

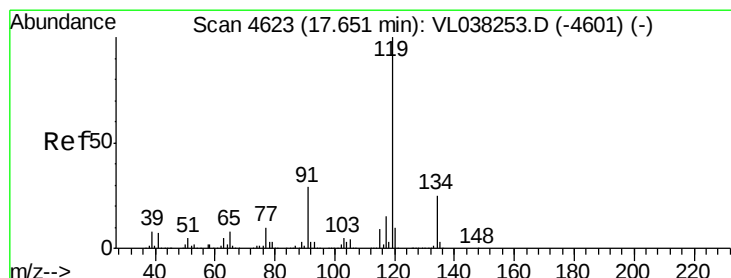
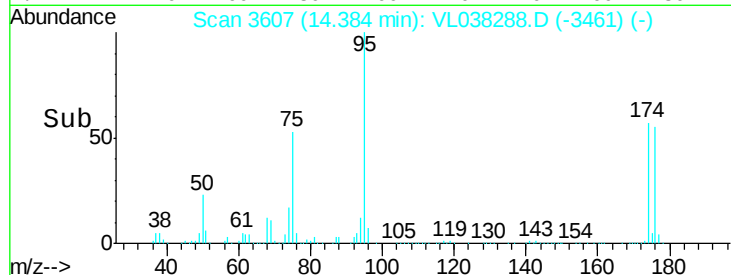
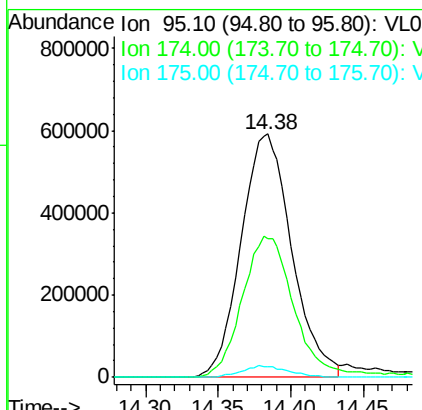
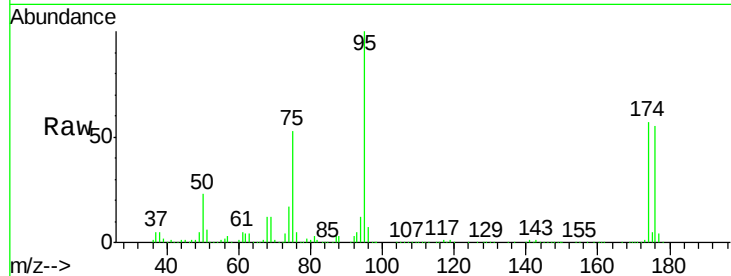
Ion 134.20 (133.90 to 134.90): V





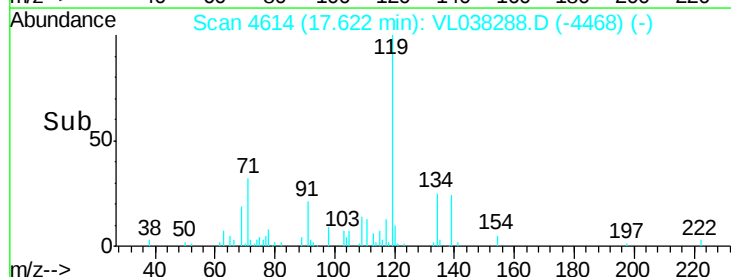
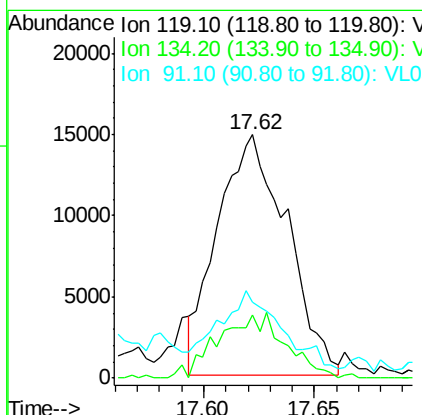
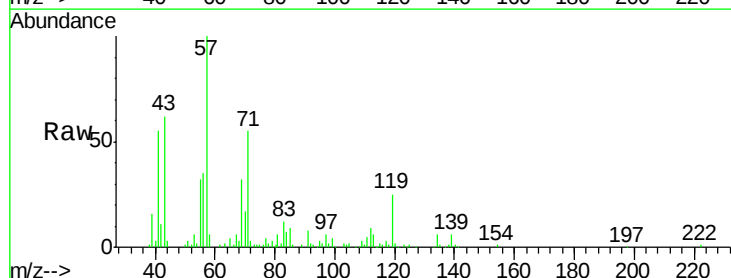
#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.257 ppbv  
 RT: 14.38 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : SV-1  
 Acq: 26 Jan 2022 14:49

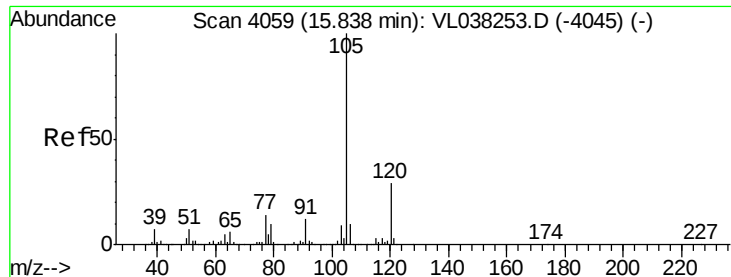
Tgt Ion: 95 Resp: 1430169  
 Ion Ratio Lower Upper  
 95 100  
 174 62.5 48.3 72.5  
 175 4.6 3.5 5.3



#69  
 p-Isopropyltoluene  
 Concen: 0.129 ppbv  
 RT: 17.62 min Scan# 4614  
 Delta R.T. -0.03 min  
 Lab File: VL038288.D  
 Acq: 26 Jan 2022 14:49

Tgt Ion: 119 Resp: 32404  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 20.2 30.2  
 91 50.7 23.2 34.8#





#72

4-Ethyltoluene

Concen: 0.044 ppbv

RT: 15.80

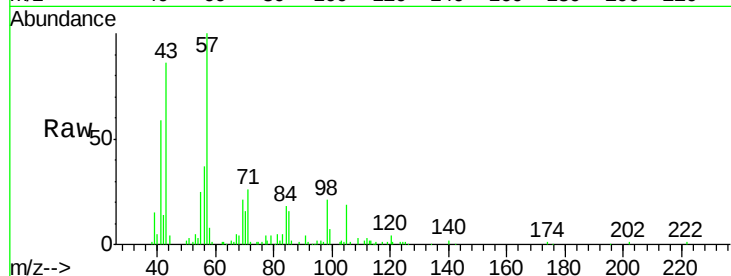
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

SV-1

Acq: 26 Jan 2022 14:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 9789  |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 0.0   | 23.8  | 35.8# |
| 91        | 0.0   | 10.2  | 15.4# |
| 77        | 55.0  | 11.7  | 17.5# |

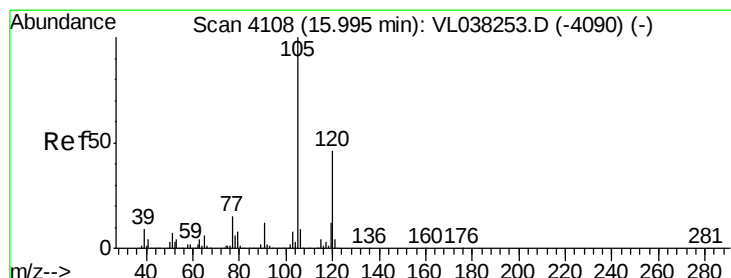
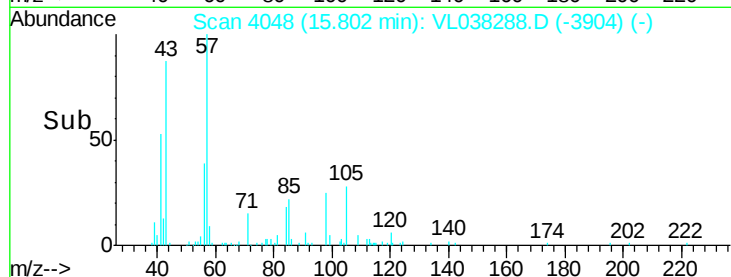
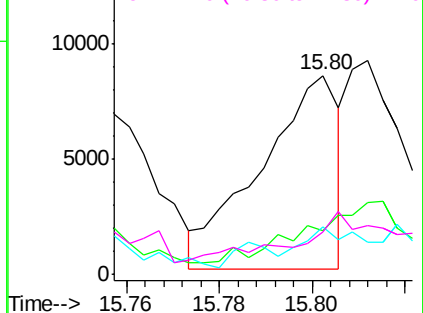


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.212 ppbv

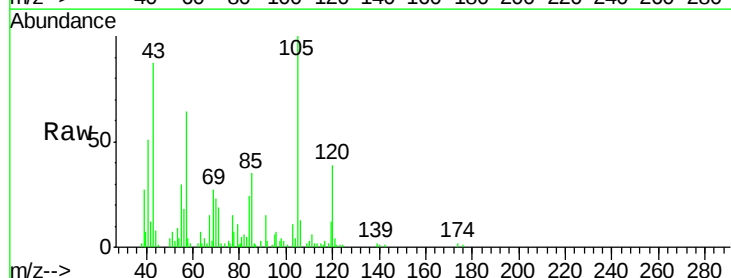
RT: 15.97 min Scan# 4099

Delta R.T. -0.03 min

Lab File: VL038288.D

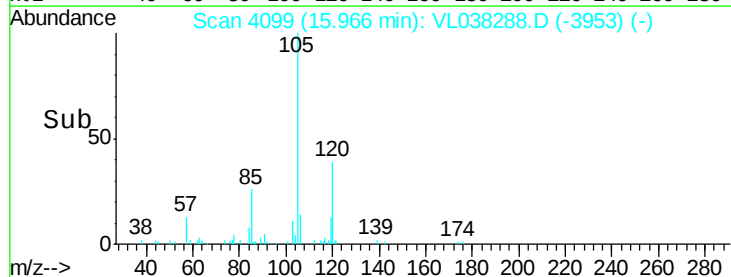
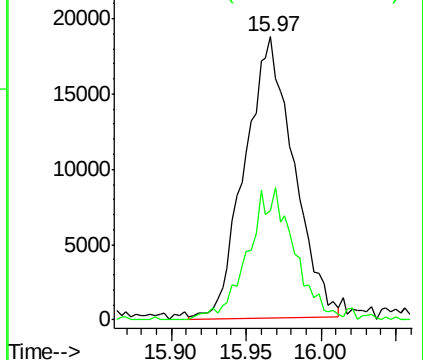
Acq: 26 Jan 2022 14:49

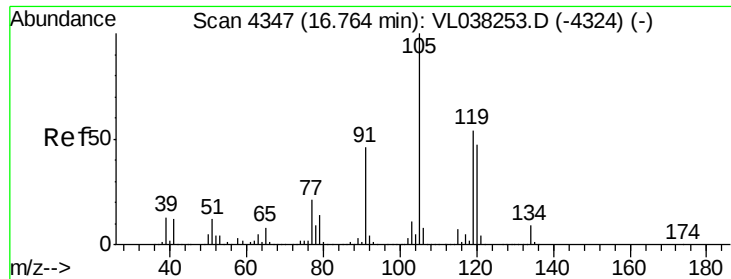
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 42627 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 39.0  | 36.6  | 55.0  |



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: 0.471 ppbv  
 RT: 16.73  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 SV-1  
 Acq: 26 Jan 2022 14.49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 99952 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 45.8  | 37.2  | 55.8  |
| 91        | 9.2   | 36.6  | 55.0# |
| 77        | 13.4  | 16.9  | 25.3# |

