

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL022222\  
 Data File : VL038382.D  
 Acq On : 22 Feb 2022 9:08  
 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL022222

Quant Time: Mar 14 07:58:14 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 969115   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 2461288  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 2825390  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 1926159  | 8.24     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 82.40% |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.04 | 85   | 1246997  | 8.12  | ppbv   | 96     |
| 3) Chlorodifluoromethane       | 2.98 | 51   | 1591057  | 9.30  | ppbv   | 99     |
| 4) Chloromethane               | 3.13 | 50   | 561334   | 9.44  | ppbv   | 97     |
| 5) Vinyl Chloride              | 3.25 | 62   | 563262   | 9.06  | ppbv   | 100    |
| 6) Bromomethane                | 3.47 | 94   | 291333   | 8.89  | ppbv   | 100    |
| 7) Chloroethane                | 3.54 | 64   | 195961   | 9.82  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane   | 3.18 | 85   | 1379946  | 9.66  | ppbv   | 99     |
| 9) Propene                     | 3.00 | 41   | 541902   | 9.59  | ppbv   | 98     |
| 10) Heptane                    | 8.10 | 43   | 1371957  | 9.97  | ppbv   | 99     |
| 11) Trichlorofluoromethane     | 3.93 | 101  | 1326263  | 9.02  | ppbv   | 95     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47 | 101  | 978207   | 9.08  | ppbv   | 98     |
| 13) Ethanol                    | 3.60 | 45   | 17784    | 3.15  | ppbv # | 1      |
| 14) Bromoethene                | 3.73 | 108  | 428088   | 9.97  | ppbv   | 96     |
| 15) Acetone                    | 3.83 | 43   | 663679   | 8.05  | ppbv   | 99     |
| 16) 1,3-Butadiene              | 3.32 | 39   | 537626   | 9.77  | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.27 | 59   | 860108   | 10.46 | ppbv   | 100    |
| 18) 1,1-Dichloroethene         | 4.28 | 96   | 441693   | 9.34  | ppbv   | 99     |
| 19) Isopropyl Alcohol          | 3.95 | 45   | 460457   | 9.65  | ppbv   | 99     |
| 20) Methylene Chloride         | 4.33 | 84   | 352027   | 8.62  | ppbv   | 97     |
| 21) Allyl Chloride             | 4.39 | 41   | 651545   | 9.36  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene   | 4.86 | 96   | 463747   | 9.72  | ppbv   | 98     |
| 23) Vinyl Acetate              | 5.05 | 43   | 1071871  | 9.81  | ppbv   | 99     |
| 24) 1,1-Dichloroethane         | 4.99 | 63   | 890496   | 9.07  | ppbv   | 100    |
| 25) Ethyl Acetate              | 5.65 | 43   | 2128707  | 9.61  | ppbv   | 99     |
| 26) Hexane                     | 5.66 | 57   | 979745   | 9.77  | ppbv   | 97     |
| 27) Carbon Disulfide           | 4.53 | 76   | 1111042  | 9.96  | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether    | 5.01 | 73   | 976965   | 9.57  | ppbv   | 100    |
| 29) Chloroform                 | 5.73 | 83   | 1589481  | 9.71  | ppbv   | 100    |
| 30) Cyclohexane                | 7.10 | 84   | 833687   | 10.17 | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene     | 5.53 | 61   | 994563   | 10.24 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane      | 6.49 | 97   | 1578186  | 9.59  | ppbv   | 99     |
| 34) 2-Butanone                 | 5.22 | 43   | 696583   | 9.00  | ppbv   | 97     |
| 35) Carbon Tetrachloride       | 7.00 | 117  | 1618179  | 9.35  | ppbv   | 97     |
| 36) Benzene                    | 6.87 | 78   | 2063358  | 9.52  | ppbv   | 97     |
| 37) 1,2-Dichloroethane         | 6.28 | 62   | 1163278  | 9.29  | ppbv   | 100    |
| 38) Trichloroethene            | 7.81 | 130  | 738669   | 9.36  | ppbv   | 94     |
| 39) 1,2-Dichloropropane        | 7.59 | 63   | 818182   | 9.48  | ppbv   | 99     |
| 40) 1,4-Dioxane                | 7.80 | 88   | 93322    | 4.56  | ppbv # | 1      |
| 41) Tetrahydrofuran            | 6.02 | 42   | 519758   | 9.94  | ppbv   | 98     |
| 42) Bromodichloromethane       | 7.76 | 83   | 1732767  | 9.58  | ppbv   | 99     |
| 43) Methyl Methacrylate        | 7.99 | 69   | 757936   | 10.06 | ppbv   | 99     |

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 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

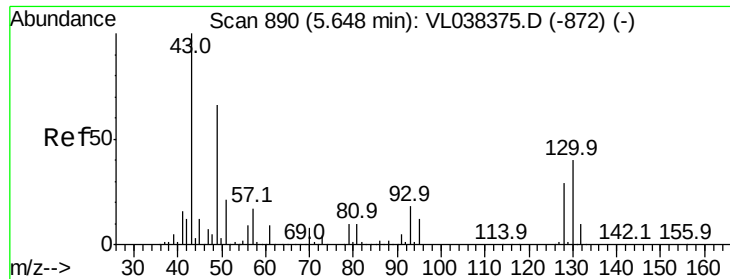
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL022222

Quant Time: Mar 14 07:58:14 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.84  | 57   | 3448870  | 9.26  | ppbv   | 100      |
| 45) t-1,3-Dichloropropene     | 9.25  | 75   | 603735   | 10.03 | ppbv   | 97       |
| 46) cis-1,3-Dichloropropene   | 8.68  | 75   | 749626   | 9.50  | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 9.45  | 97   | 816558   | 9.51  | ppbv   | 97       |
| 48) Dibromochloromethane      | 10.28 | 129  | 1405729  | 10.01 | ppbv   | 99       |
| 49) Bromoform                 | 13.01 | 173  | 1069330  | 10.32 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.72  | 43   | 1398020  | 10.21 | ppbv   | 98       |
| 51) 2-Hexanone                | 10.11 | 43   | 632580   | 10.32 | ppbv # | 98       |
| 52) Tetrachloroethene         | 11.19 | 164  | 668675   | 9.30  | ppbv   | 97       |
| 53) Toluene                   | 9.78  | 91   | 2309345  | 9.82  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.58 | 107  | 1193982  | 9.88  | ppbv   | 94       |
| 56) 1,1,1,2-Tetrachloroethane | 12.09 | 131  | 907646   | 7.71  | ppbv   | 99       |
| 57) Chlorobenzene             | 12.12 | 112  | 1649218  | 7.57  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.68 | 91   | 3053788  | 7.90  | ppbv   | 99       |
| 59) m/p-Xylene                | 12.96 | 91   | 2776256  | 8.37  | ppbv # | 43       |
| 60) o-Xylene                  | 13.66 | 91   | 2385827  | 7.61  | ppbv   | 98       |
| 61) Styrene                   | 13.50 | 104  | 1265163  | 8.74  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.64 | 105  | 3264073  | 7.75  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.64 | 83   | 1783642  | 7.00  | ppbv   | 100      |
| 64) n-propylbenzene           | 15.53 | 120  | 837586   | 8.04  | ppbv   | 96       |
| 65) tert-Butylbenzene         | 16.71 | 119  | 2893020  | 7.93  | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.96 | 91   | 149022   | 7.56  | ppbv # | 96       |
| 67) sec-Butylbenzene          | 17.27 | 105  | 4052727  | 7.84  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.62 | 119  | 3332726  | 8.21  | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.52 | 91   | 3522801  | 8.39  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.42 | 91   | 2530395  | 7.82  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.81 | 105  | 2828452  | 8.18  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.97 | 105  | 2549254  | 8.12  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.73 | 105  | 2670234  | 8.06  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.97 | 146  | 1488677  | 8.02  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.10 | 146  | 1426839  | 7.80  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.78 | 146  | 1415638  | 7.92  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.34 | 225  | 1051481  | 7.72  | ppbv   | 99       |
| 79) Naphthalene               | 22.16 | 128  | 1973815  | 10.99 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.95 | 142  | 432968   | 12.34 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.89 | 180  | 1086108  | 10.01 | ppbv   | 97       |

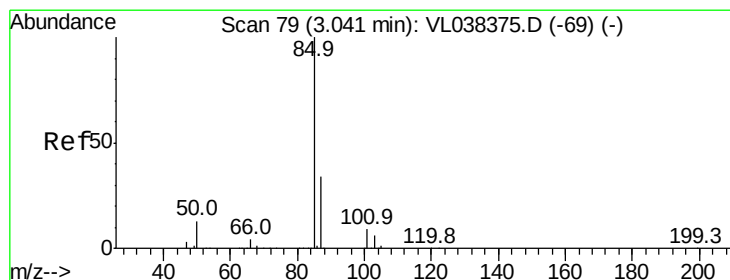
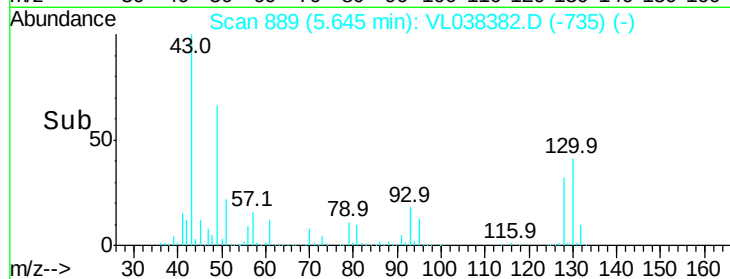
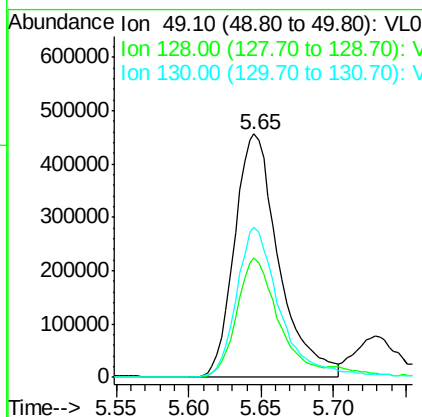
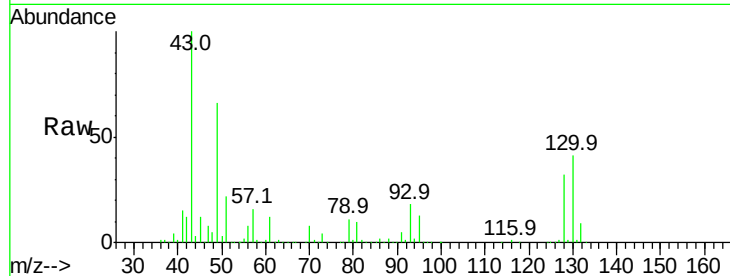
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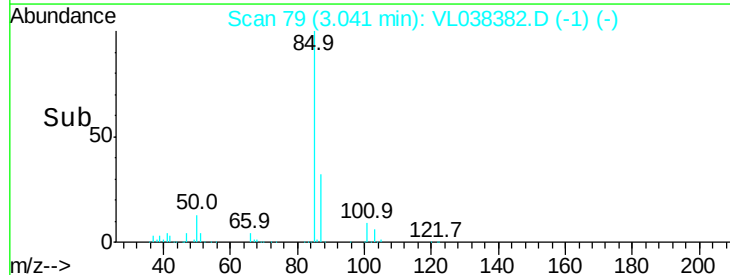
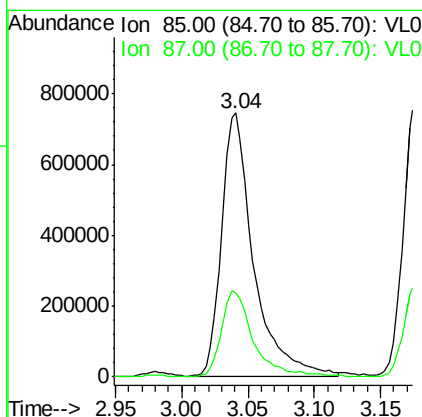
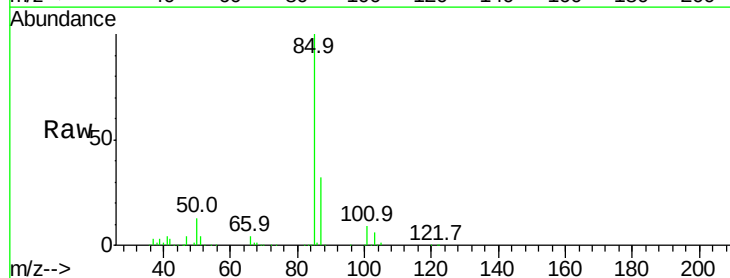
#1  
 Bromochloromethane  
 Concen: 10.00 ppbv  
 RT: 5.65  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 ICVVL022222  
 Acq: 22 Feb 2022 9:08

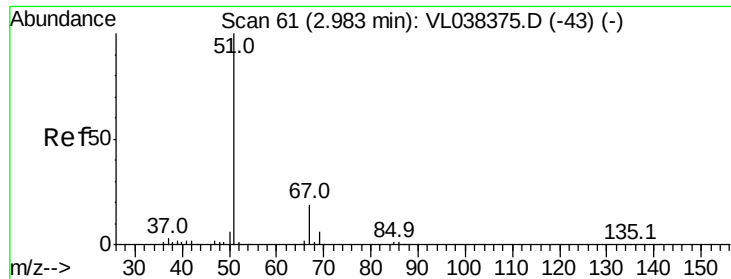
Tgt Ion: 49 Resp: 969115  
 Ion Ratio Lower Upper  
 49 100  
 128 50.4 24.3 72.9  
 130 61.8 30.1 90.5



#2  
 Dichlorodifluoromethane  
 Concen: 8.12 ppbv  
 RT: 3.04 min Scan# 79  
 Delta R.T.: -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 85 Resp: 1246997  
 Ion Ratio Lower Upper  
 85 100  
 87 31.6 27.4 41.0





#3

Chlorodifluoromethane

Concen: 9.30 ppbv

RT: 2.98 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: ICVVL022222

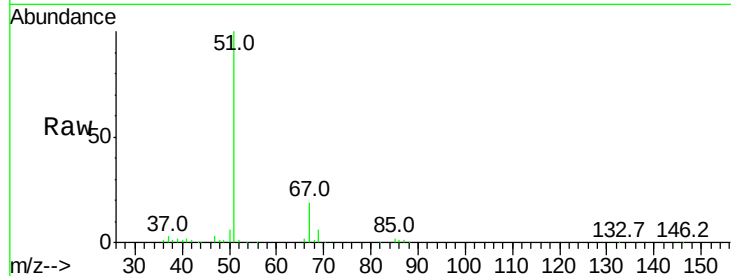
Acq: 22 Feb 2022 9:08

Tgt Ion: 51 Resp: 1591057

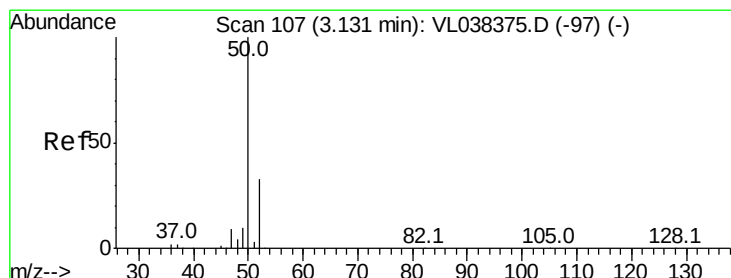
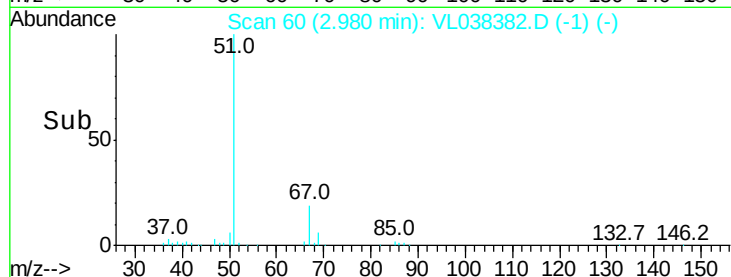
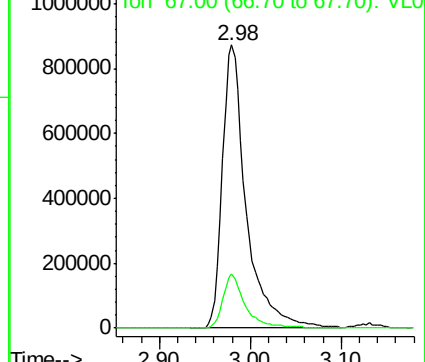
Ion Ratio Lower Upper

51 100

67 17.9 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0



#4

Chloromethane

Concen: 9.44 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL038382.D

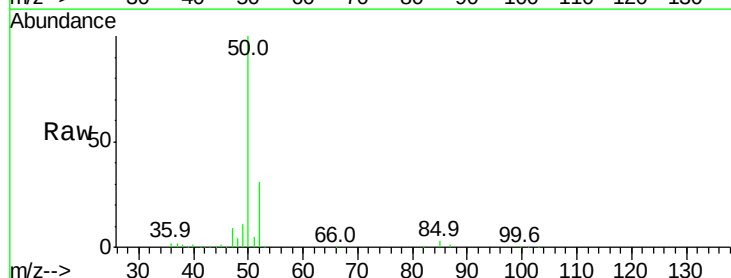
Acq: 22 Feb 2022 9:08

Tgt Ion: 50 Resp: 561334

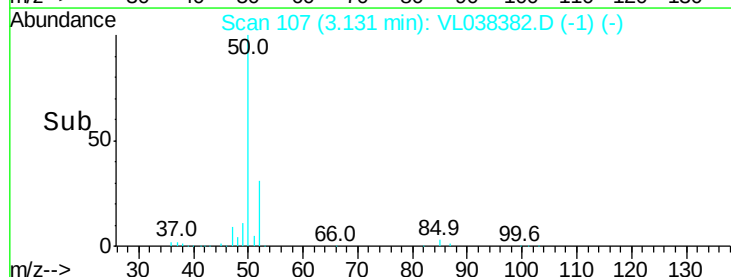
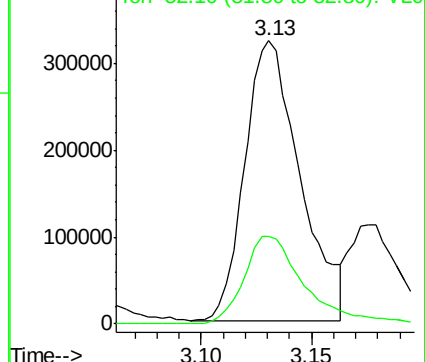
Ion Ratio Lower Upper

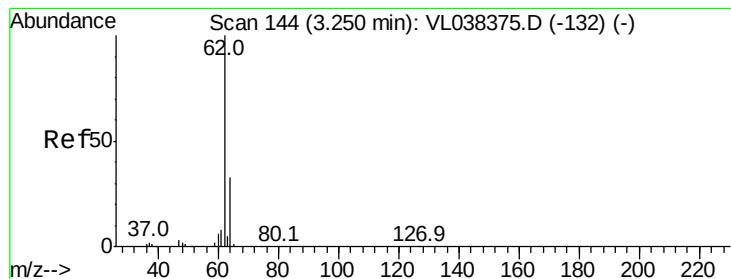
50 100

52 31.3 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0





#5

Vinyl Chloride

Concen: 9.06 ppbv

RT: 3.25 Instrument: MSVOA\_1

Delta R.T. 0.00

Lab File: ClientSampleId: ICVVL022222

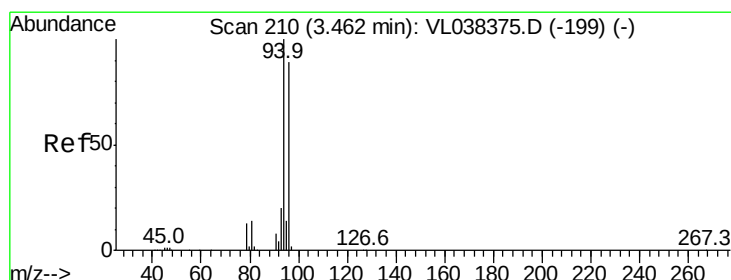
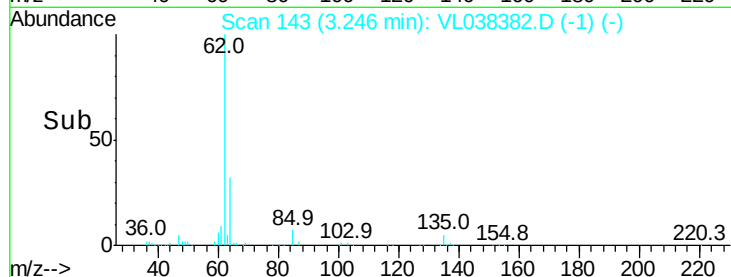
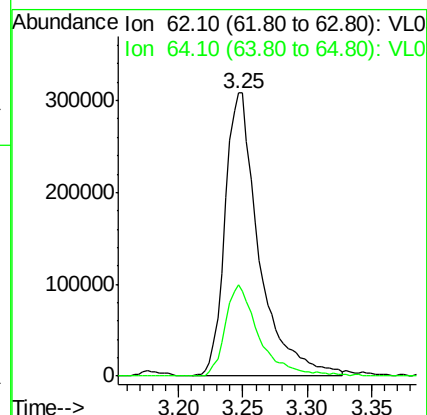
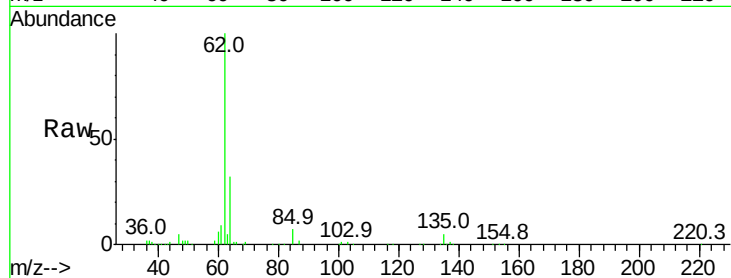
Acq: 22 Feb 2022 9:08

Tgt Ion: 62 Resp: 563262

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2



#6

Bromomethane

Concen: 8.89 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL038382.D

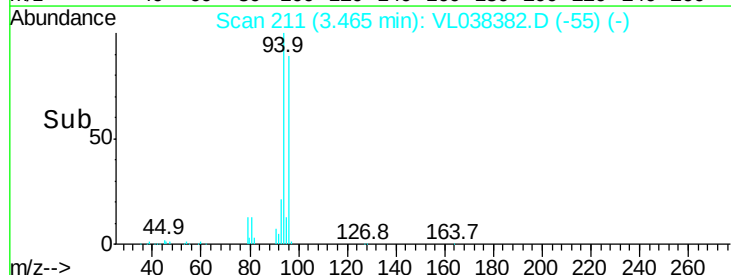
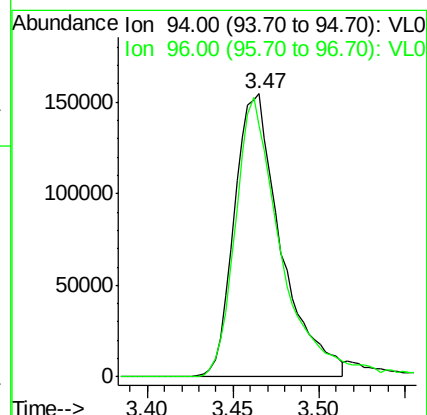
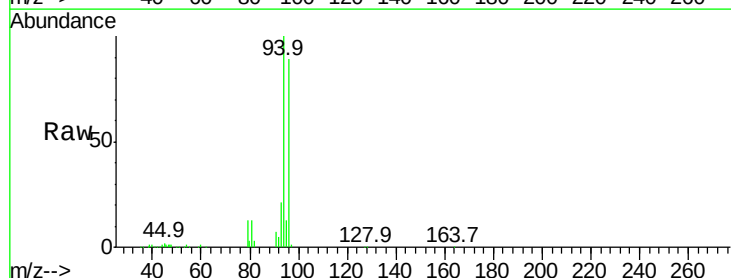
Acq: 22 Feb 2022 9:08

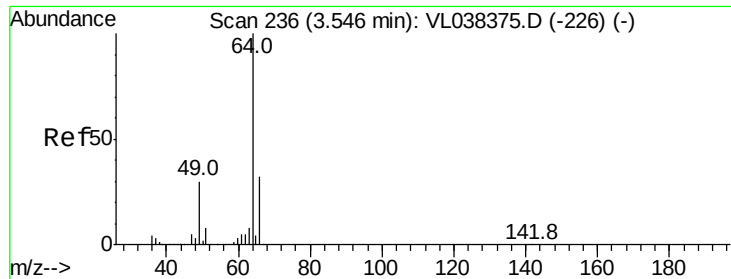
Tgt Ion: 94 Resp: 291333

Ion Ratio Lower Upper

94 100

96 88.7 71.0 106.6





#7

Chloroethane

Concen: 9.82 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

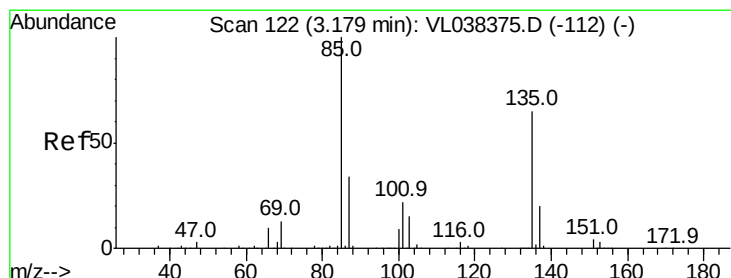
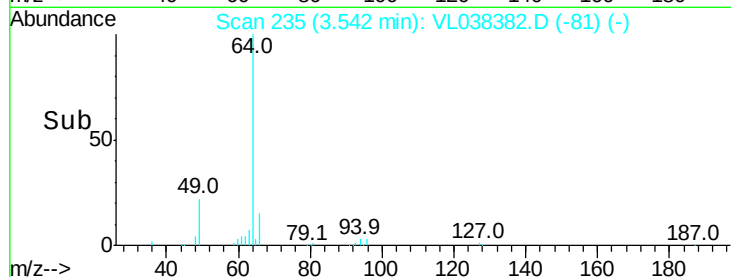
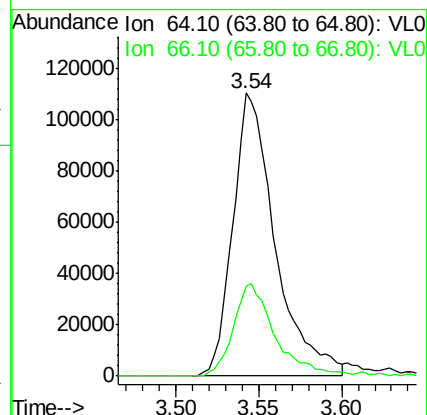
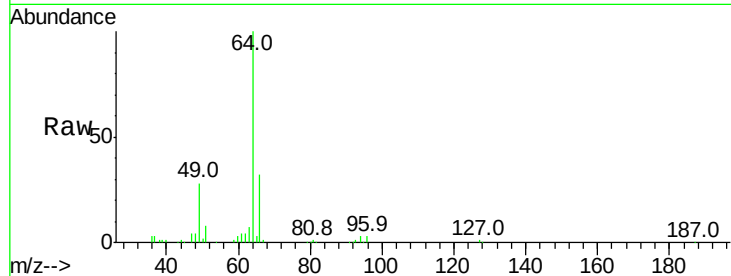
Acq: 22 Feb 2022 9:08

Tgt Ion: 64 Resp: 195961

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 9.66 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL038382.D

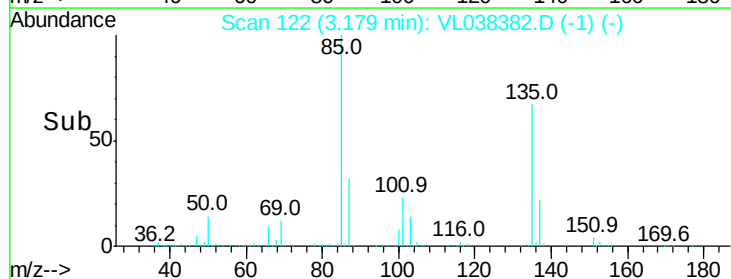
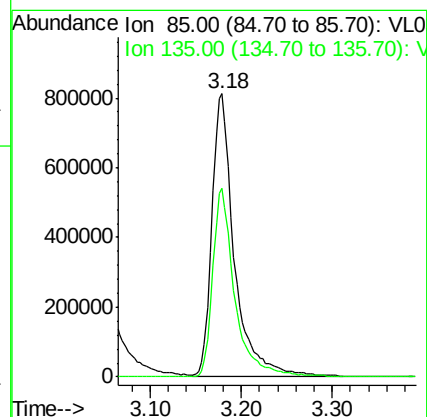
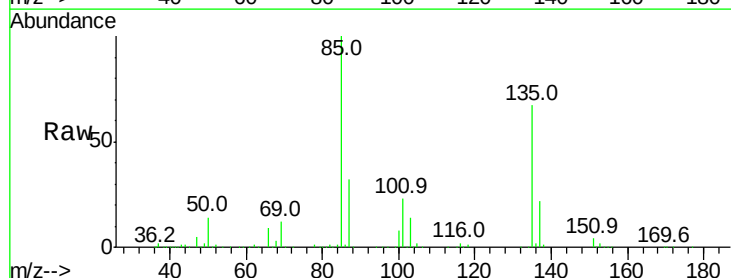
Acq: 22 Feb 2022 9:08

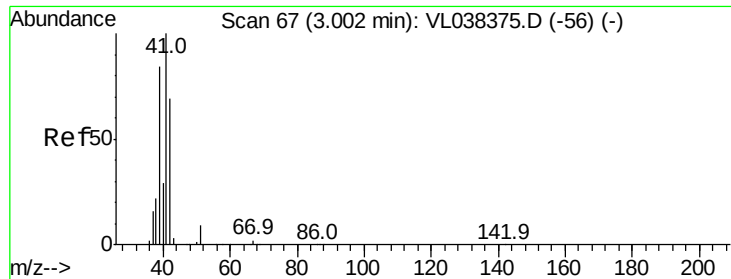
Tgt Ion: 85 Resp: 1379946

Ion Ratio Lower Upper

85 100

135 67.1 54.1 81.1





#9

Propene

Concen: 9.59 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

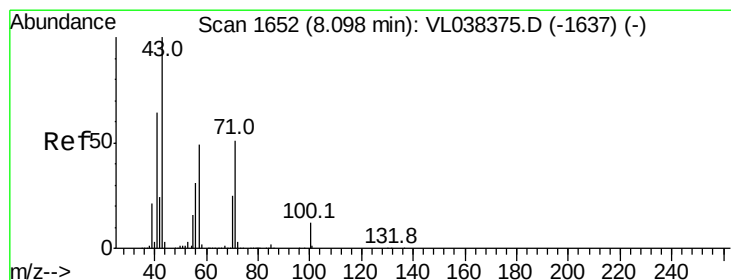
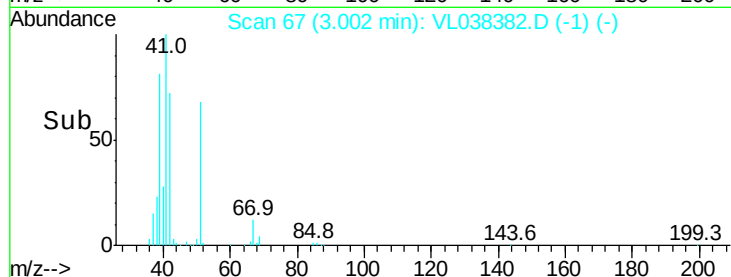
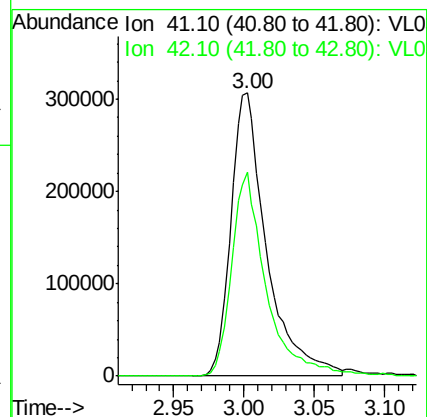
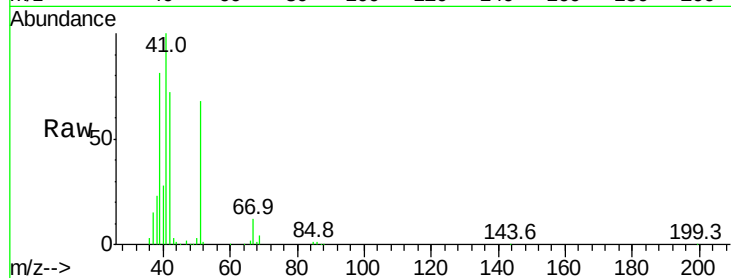
Acq: 22 Feb 2022 9:08

Tgt Ion: 41 Resp: 541902

Ion Ratio Lower Upper

41 100

42 70.0 54.6 82.0



#10

Heptane

Concen: 9.97 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL038382.D

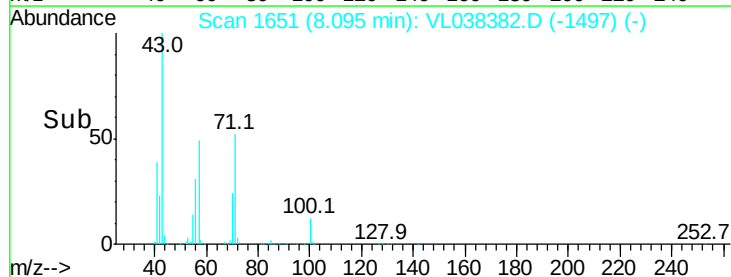
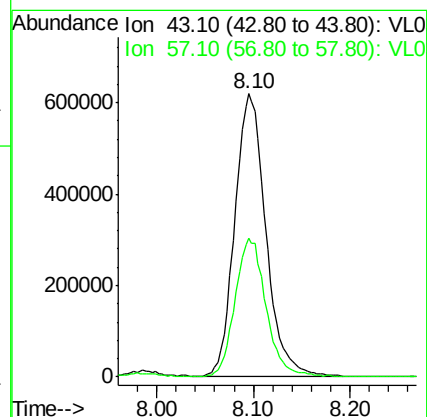
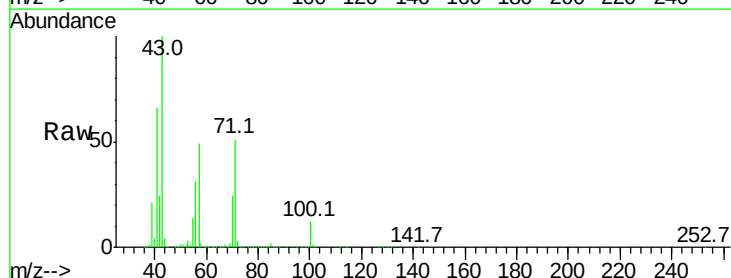
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 1371957

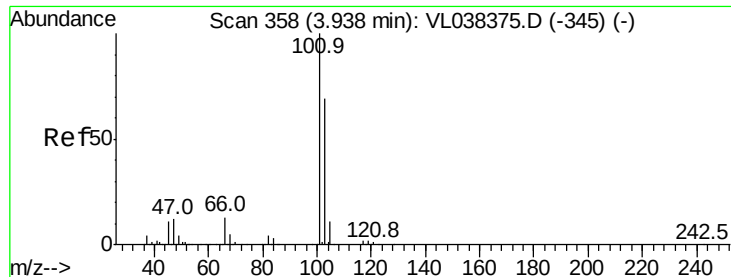
Ion Ratio Lower Upper

43 100

57 49.3 39.8 59.8

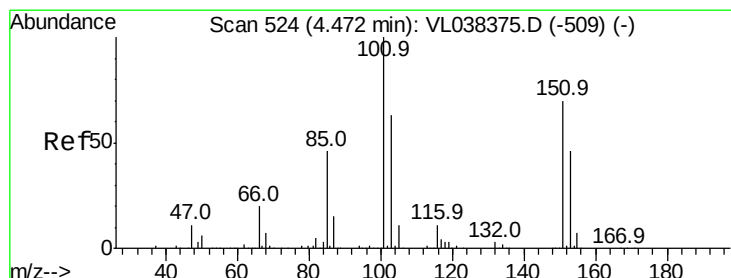
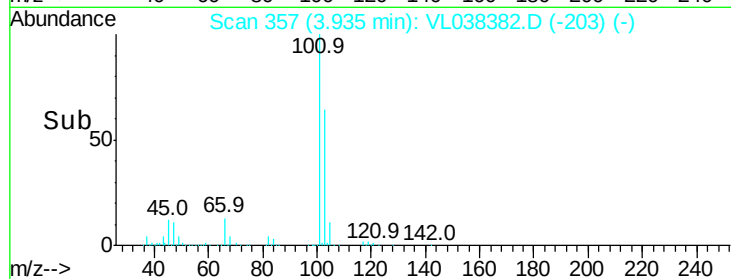
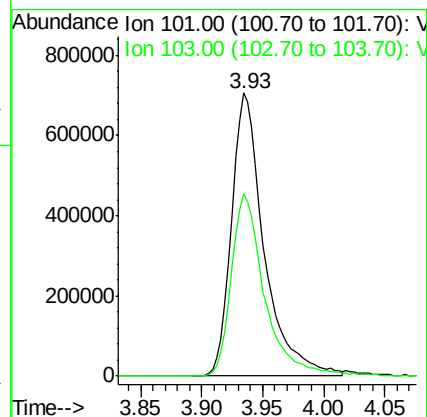
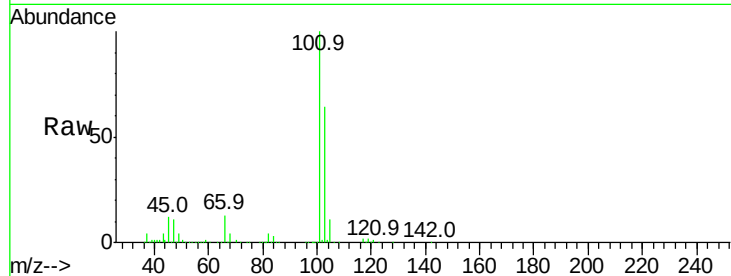






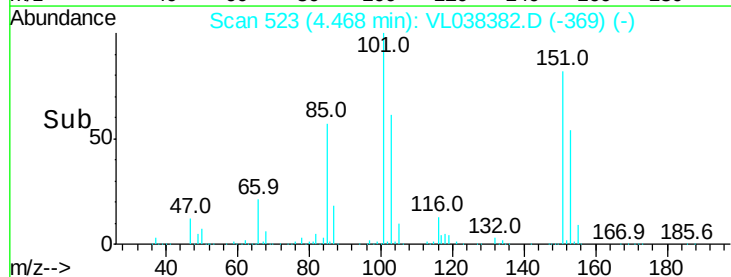
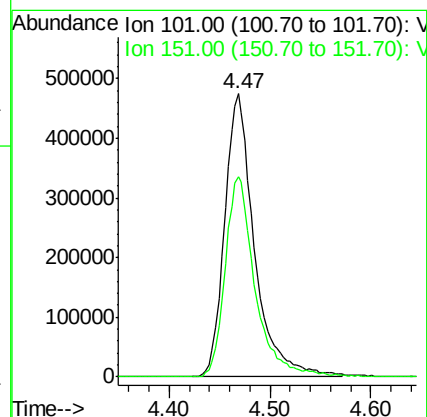
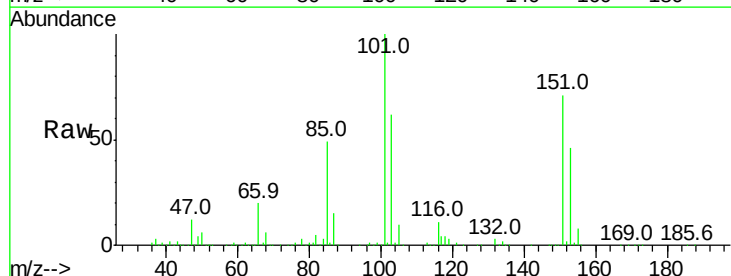
#11  
 Trichlorofluoromethane  
 Concen: 9.02 ppbv  
 RT: 3.93  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

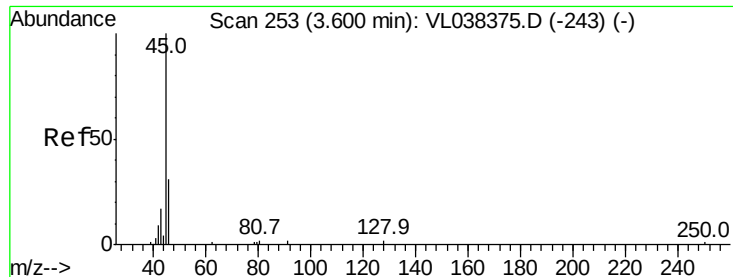
Tgt Ion:101 Resp: 1326263  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 55.0 82.4



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.08 ppbv  
 RT: 4.47 min Scan# 523  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

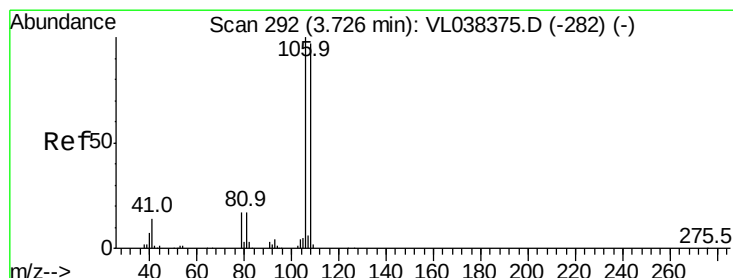
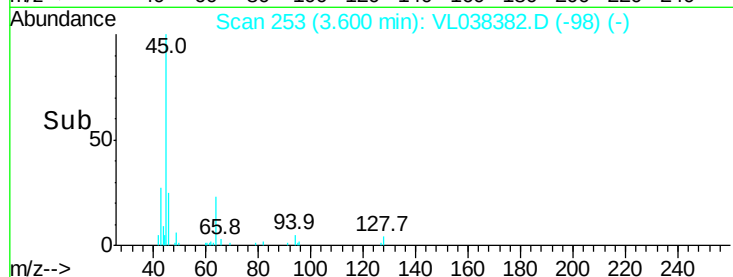
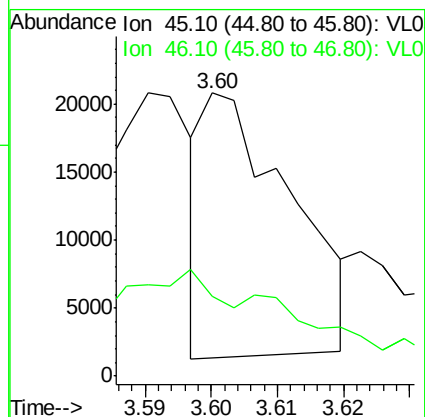
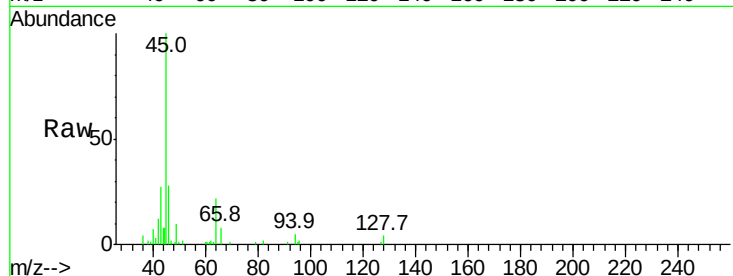
Tgt Ion:101 Resp: 978207  
 Ion Ratio Lower Upper  
 101 100  
 151 71.4 55.9 83.9





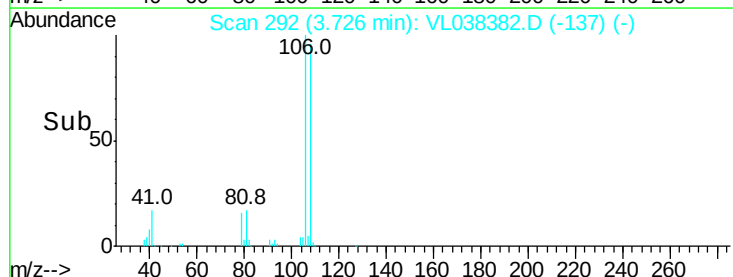
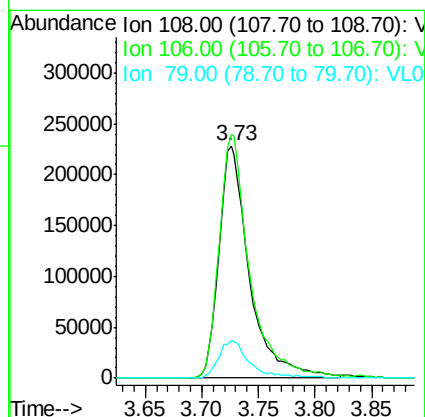
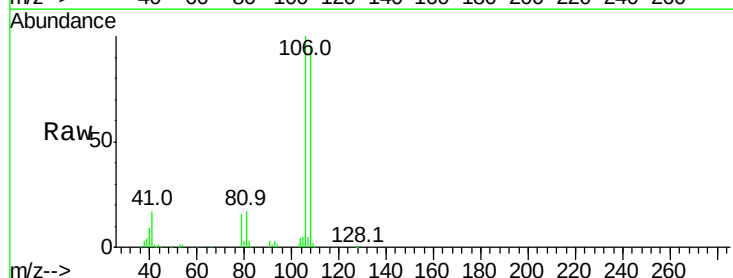
#13  
Ethanol  
Concen: 3.15 ppbv  
RT: 3.60  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
Acq: 22 Feb 2022 9:08

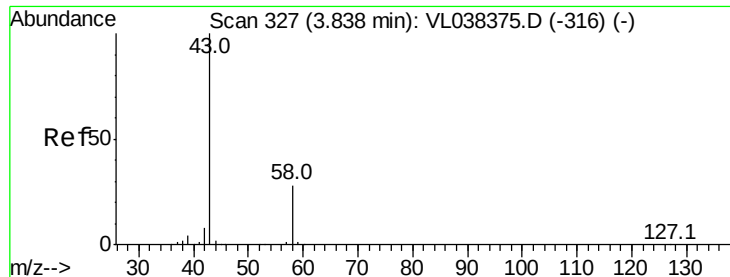
Tgt Ion: 45 Resp: 17784  
Ion Ratio Lower Upper  
45 100  
46 116.4 18.2 72.8#



#14  
Bromoethene  
Concen: 9.97 ppbv  
RT: 3.73 min Scan# 292  
Delta R.T. -0.00 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

Tgt Ion: 108 Resp: 428088  
Ion Ratio Lower Upper  
108 100  
106 106.2 88.4 132.6  
79 16.3 15.0 22.6





#15

Acetone

Concen: 8.05 ppbv

RT: 3.83 Instrument: MSVOA\_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: ICVVL022222

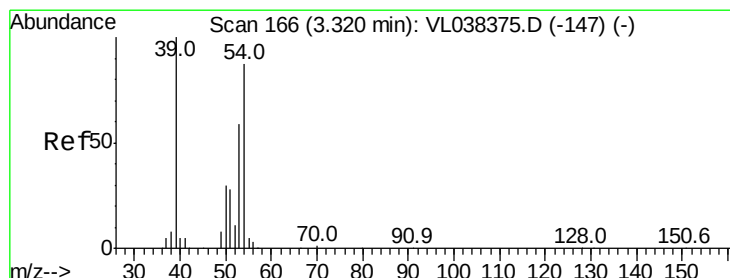
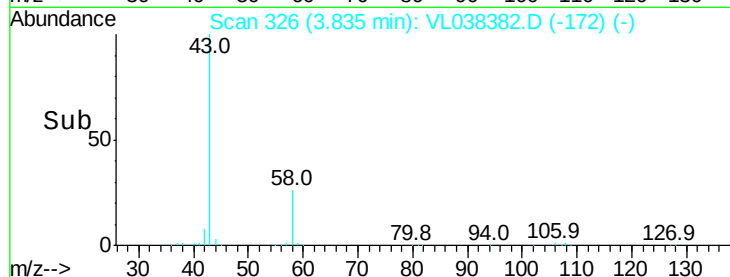
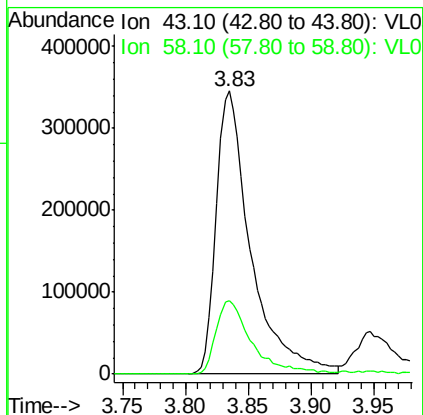
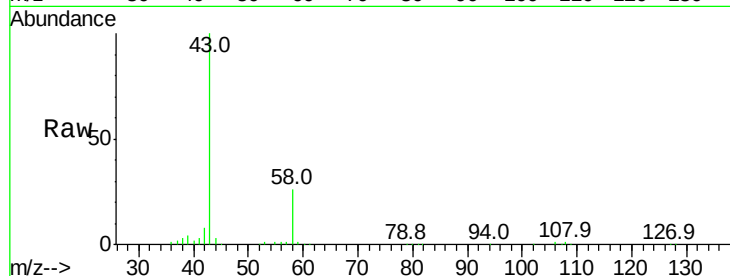
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 663679

Ion Ratio Lower Upper

43 100

58 26.7 21.7 32.5



#16

1,3-Butadiene

Concen: 9.77 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL038382.D

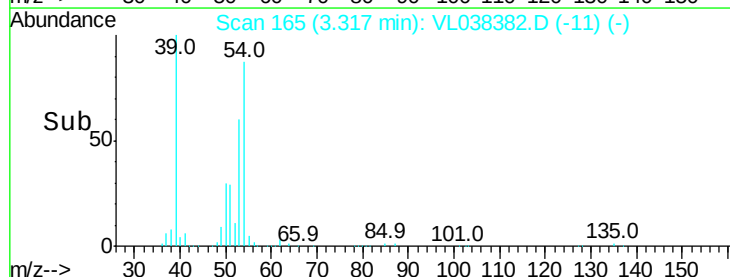
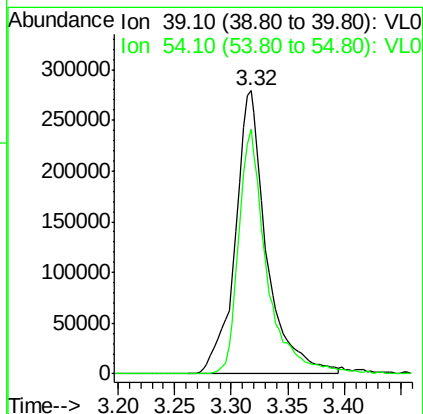
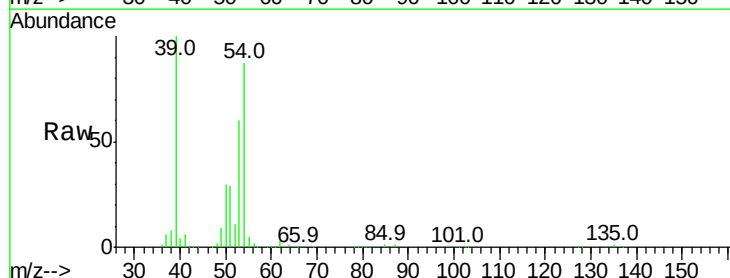
Acq: 22 Feb 2022 9:08

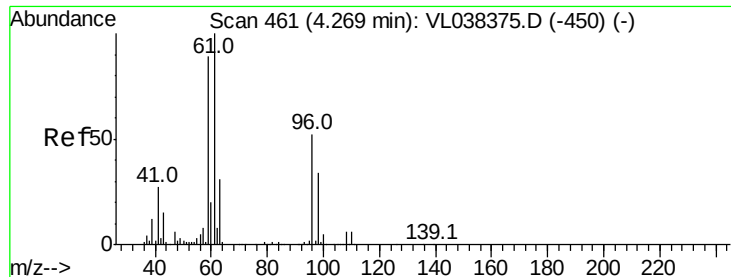
Tgt Ion: 39 Resp: 537626

Ion Ratio Lower Upper

39 100

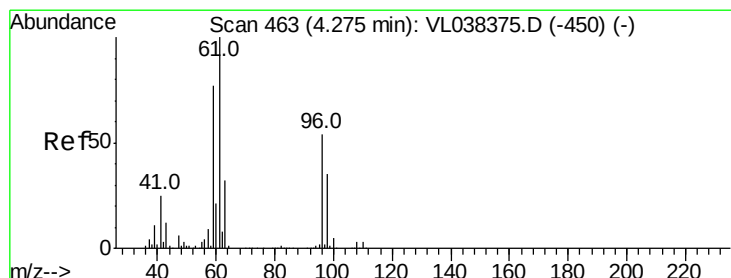
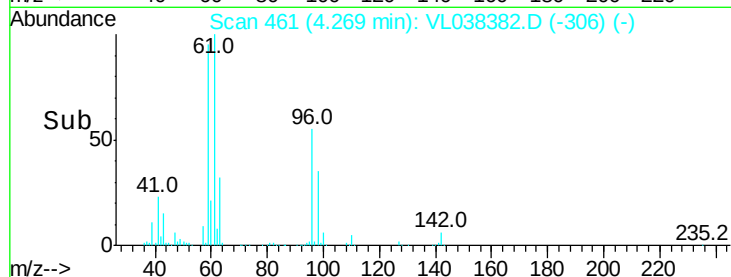
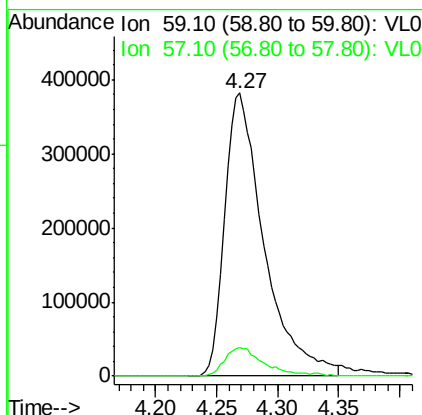
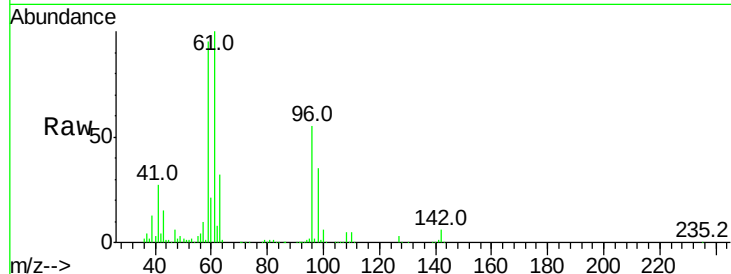
54 78.1 60.3 90.5





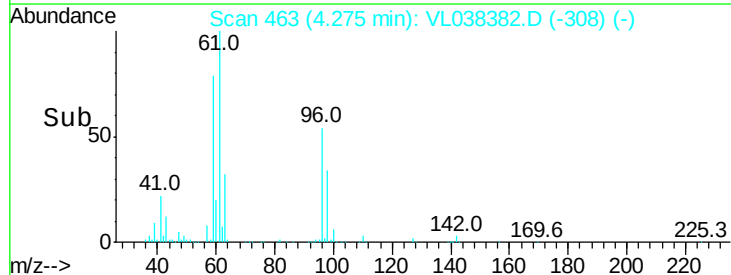
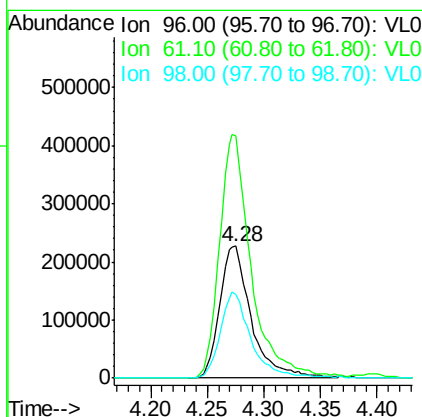
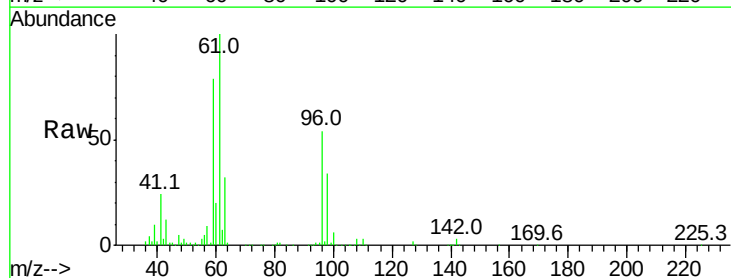
#17  
 tert-Butyl alcohol  
 Concen: 10.46 ppbv  
 RT: 4.27  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

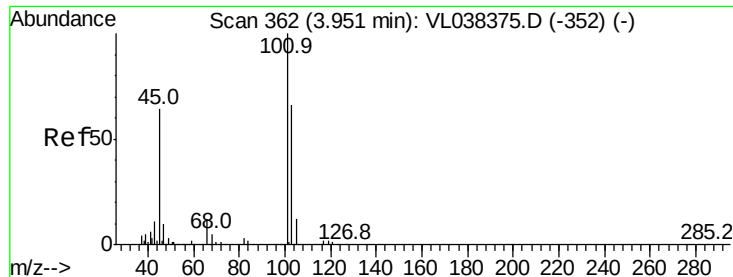
Tgt Ion: 59 Resp: 860108  
 Ion Ratio Lower Upper  
 59 100  
 57 10.6 8.4 12.6



#18  
 1,1-Dichloroethene  
 Concen: 9.34 ppbv  
 RT: 4.28 min Scan# 463  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 96 Resp: 441693  
 Ion Ratio Lower Upper  
 96 100  
 61 183.4 146.8 220.2  
 98 63.1 51.5 77.3





#19

Isopropyl Alcohol

Concen: 9.65 ppbv

RT: 3.95 Instrument: MSVOA\_1

Delta R.T. -0.00

Lab File: ClientSampleId: ICVVL022222

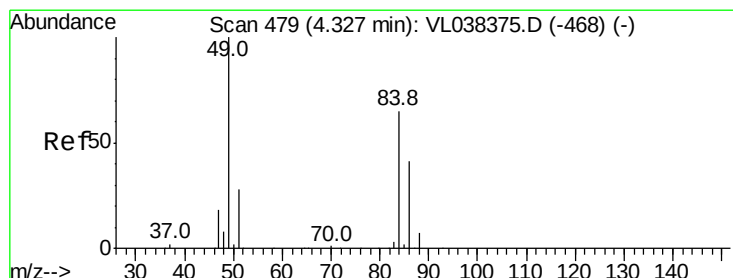
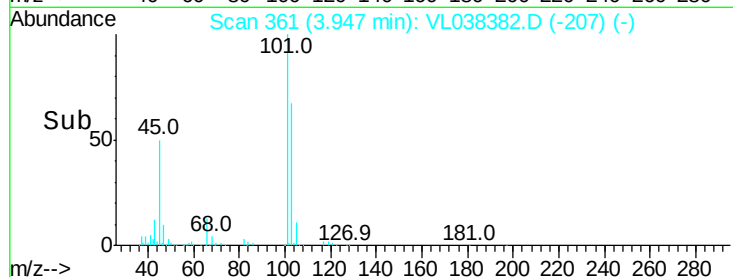
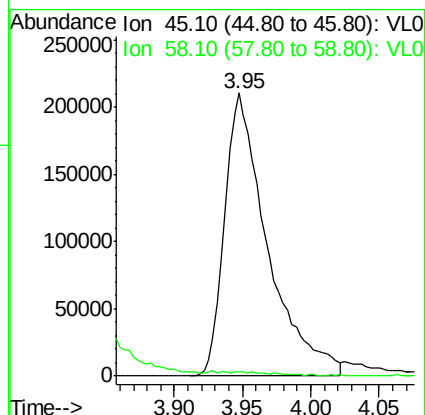
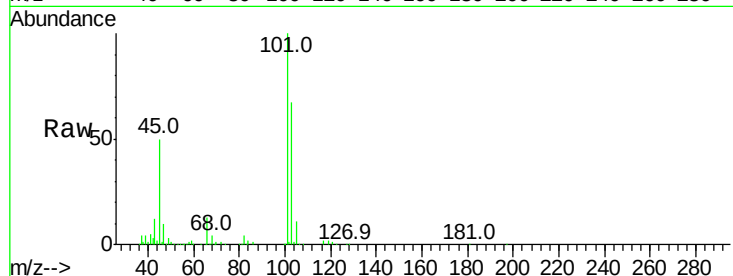
Acq: 22 Feb 2022 9:08

Tgt Ion: 45 Resp: 460457

Ion Ratio Lower Upper

45 100

58 2.0 1.8 2.8



#20

Methylene Chloride

Concen: 8.62 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

Tgt Ion: 84 Resp: 352027

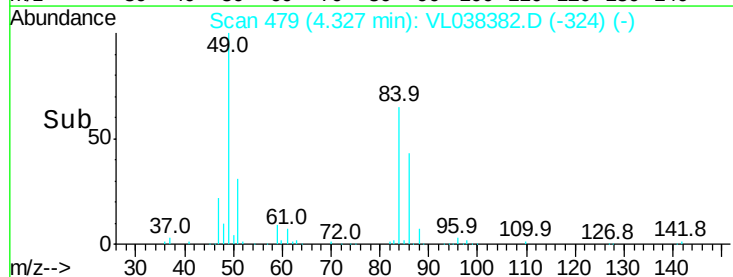
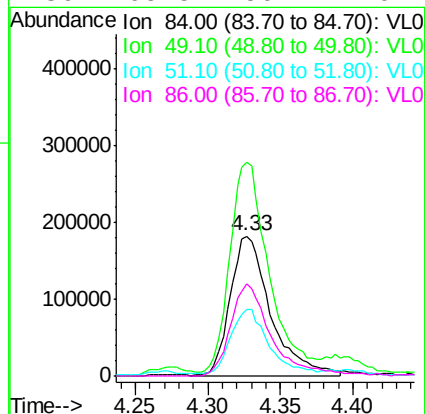
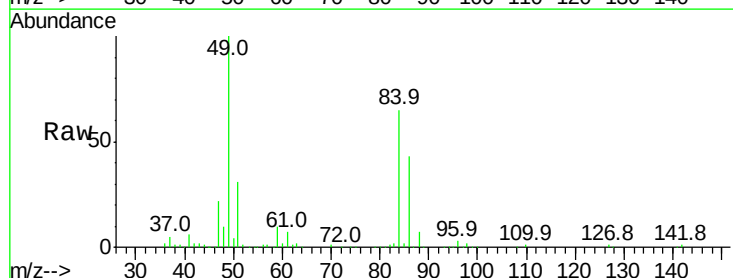
Ion Ratio Lower Upper

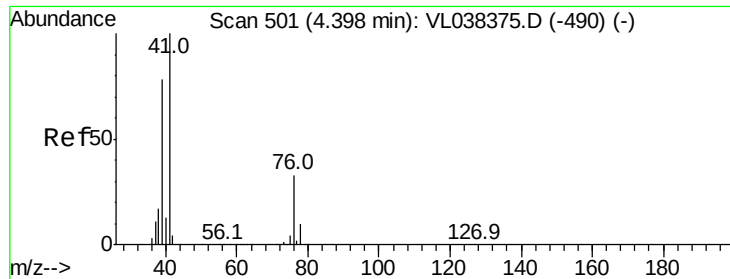
84 100

49 149.6 122.4 183.6

51 46.1 33.3 49.9

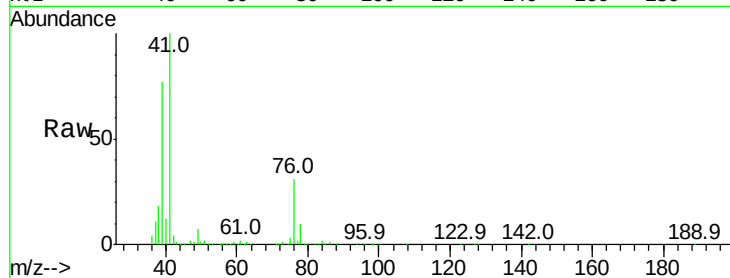
86 65.5 50.7 76.1



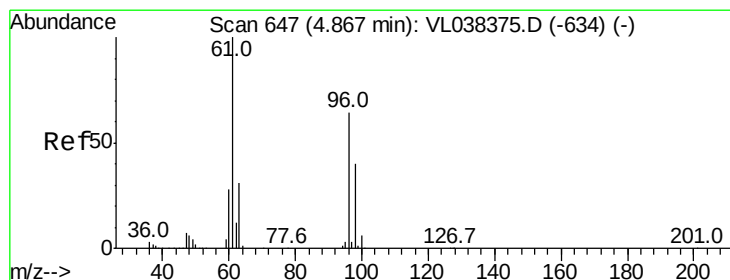
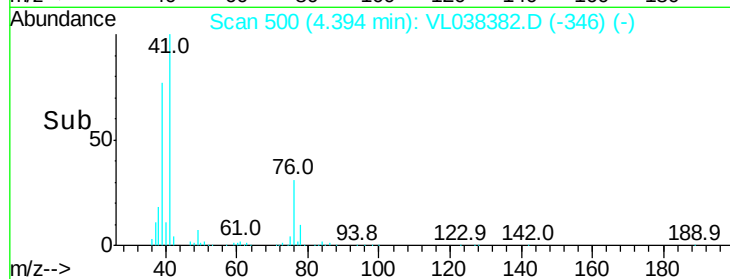
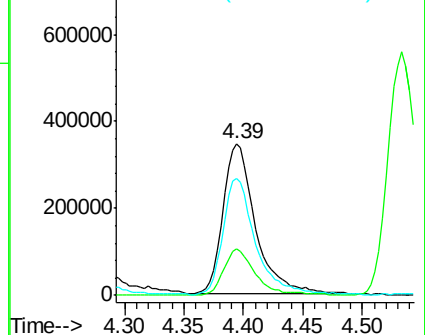


#21  
 Allyl Chloride  
 Concen: 9.36 ppbv  
 RT: 4.39  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId:  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 41 Resp: 651545  
 Ion Ratio Lower Upper  
 41 100  
 76 30.6 25.4 38.0  
 39 78.5 63.0 94.6

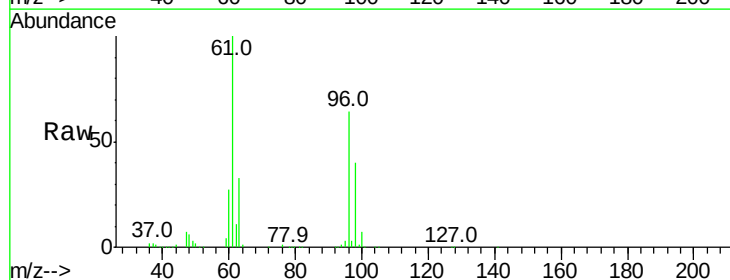


Abundance Ion 41.10 (40.80 to 41.80): VL0  
 Ion 76.10 (75.80 to 76.80): VL0  
 Ion 39.10 (38.80 to 39.80): VL0

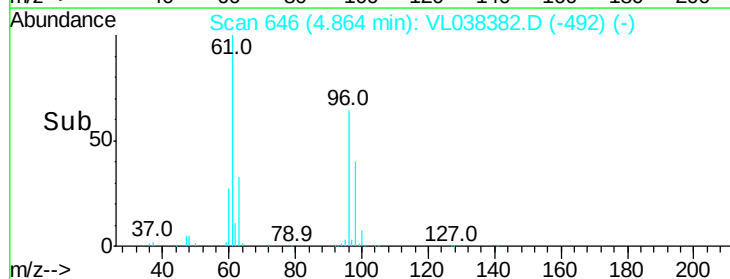
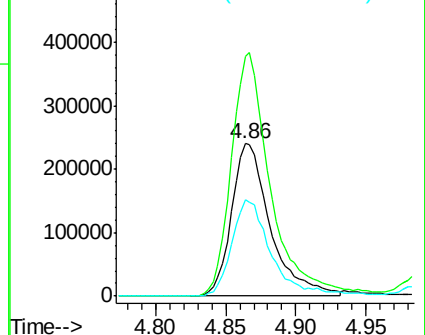


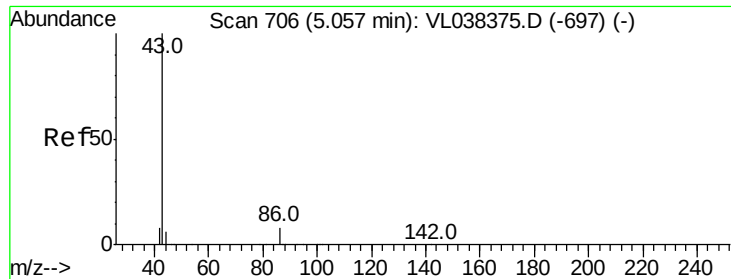
#22  
 trans-1,2-Dichloroethene  
 Concen: 9.72 ppbv  
 RT: 4.86 min Scan# 646  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 96 Resp: 463747  
 Ion Ratio Lower Upper  
 96 100  
 61 156.9 124.2 186.4  
 98 63.4 49.1 73.7



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

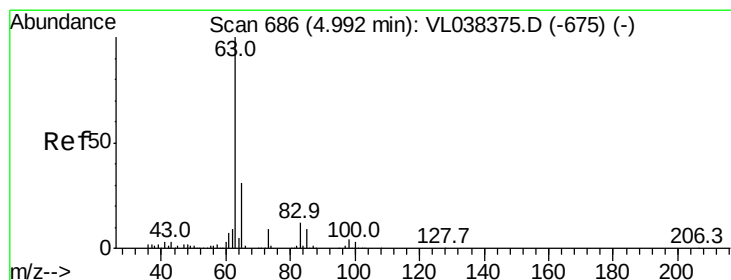
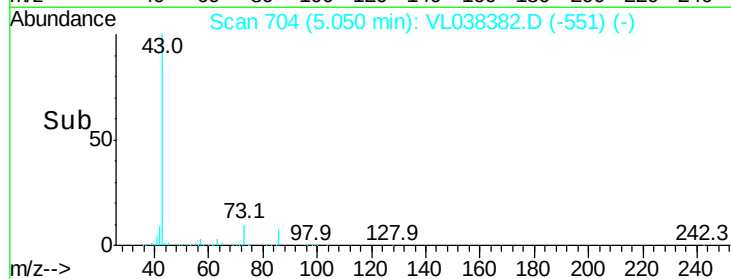
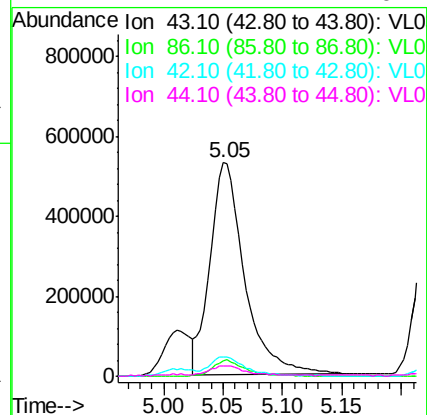
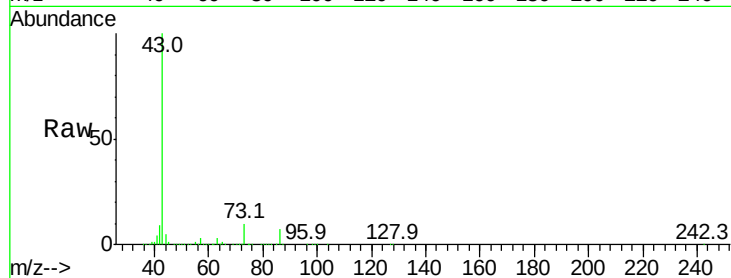




#23  
 Vinyl Acetate  
 Concen: 9.81 ppbv  
 RT: 5.05  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 1071871

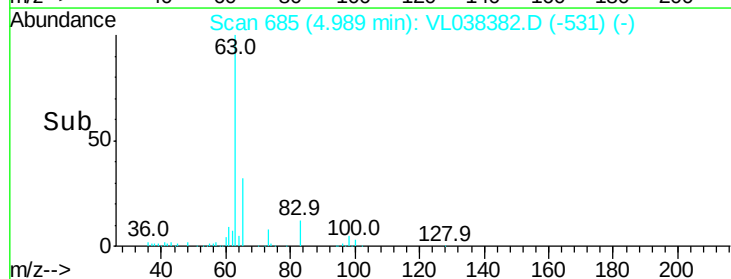
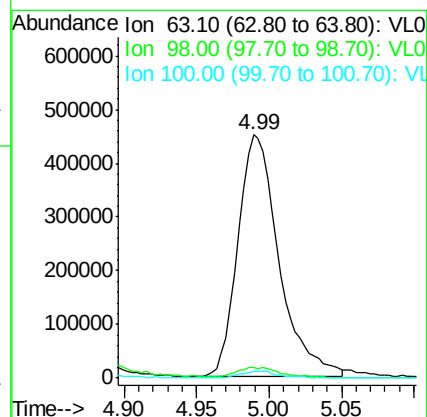
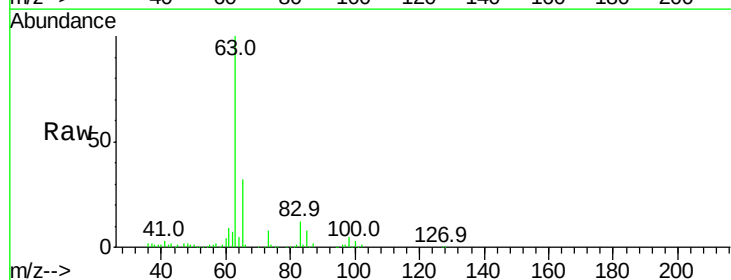
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.4   | 5.8   | 8.6   |
| 42  | 9.2   | 7.4   | 11.0  |
| 44  | 4.2   | 4.2   | 6.2   |

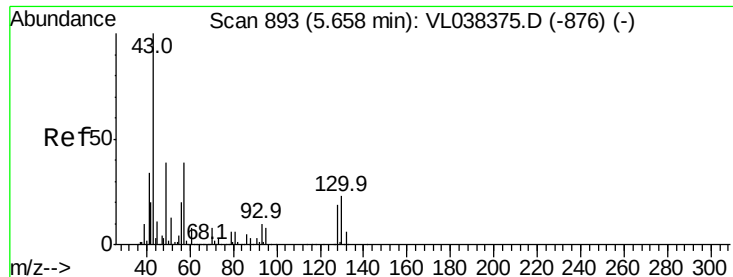


#24  
 1,1-Dichloroethane  
 Concen: 9.07 ppbv  
 RT: 4.99 min Scan# 685  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 63 Resp: 890496

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.3   | 2.1   | 6.5   |
| 100 | 2.9   | 1.4   | 4.2   |

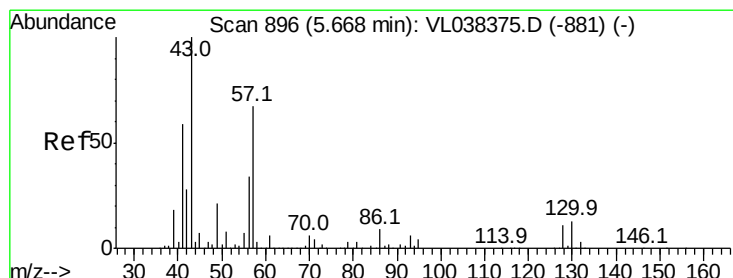
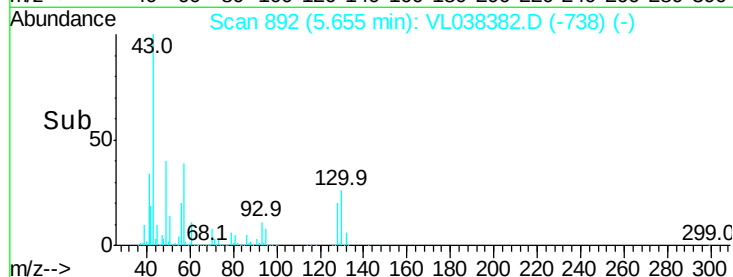
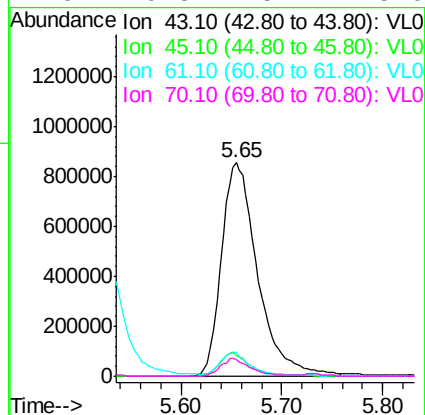
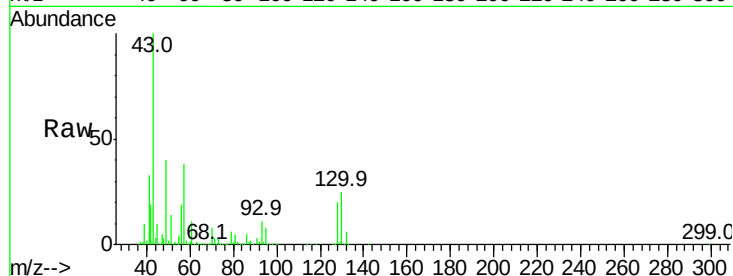




#25  
Ethyl Acetate  
Concen: 9.61 ppbv  
RT: 5.65  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 2128707

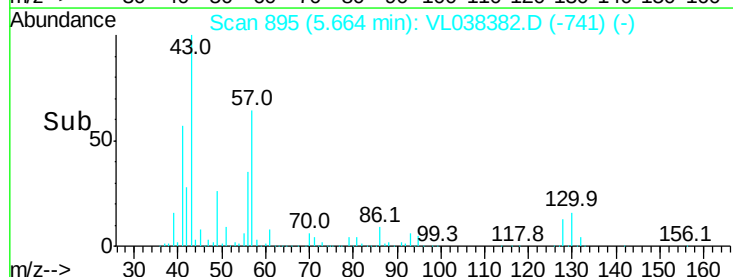
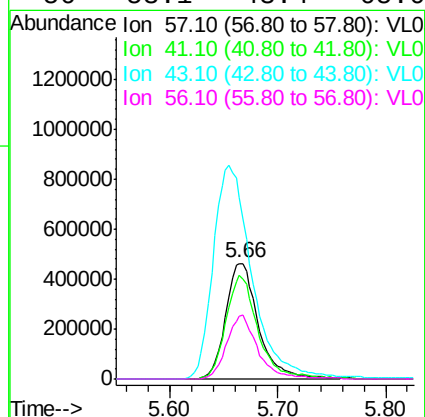
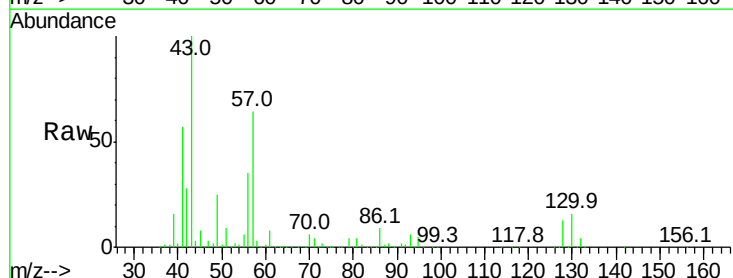
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.4   | 7.8   | 11.6  |
| 61  | 9.2   | 7.5   | 11.3  |
| 70  | 6.8   | 5.4   | 8.0   |



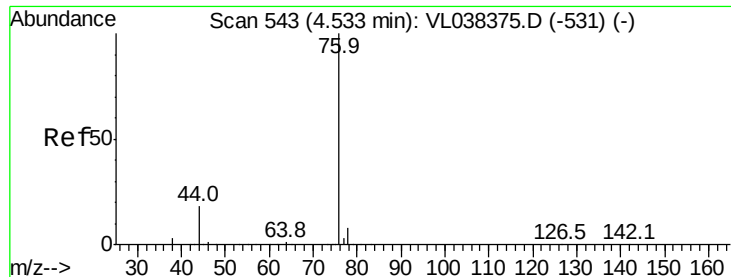
#26  
Hexane  
Concen: 9.77 ppbv  
RT: 5.66 min Scan# 895  
Delta R.T. -0.00 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

Tgt Ion: 57 Resp: 979745

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 89.0  | 73.1  | 109.7 |
| 43  | 220.2 | 181.0 | 271.4 |
| 56  | 53.1  | 43.4  | 65.0  |







#27

Carbon Disulfide

Concen: 9.96 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

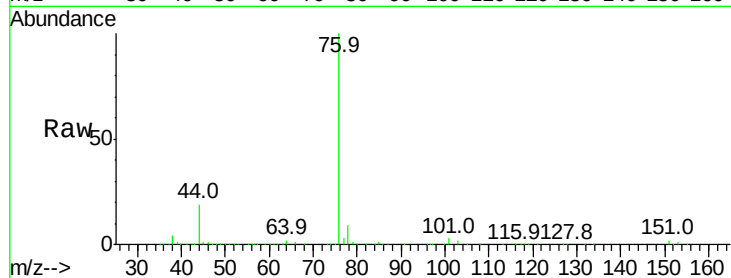
Tgt Ion: 76 Resp: 1111042

Ion Ratio Lower Upper

76 100

44 18.0 14.2 21.2

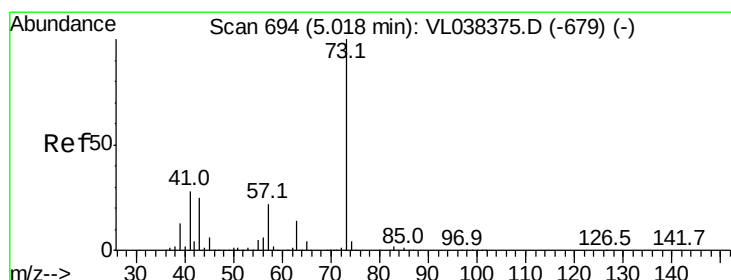
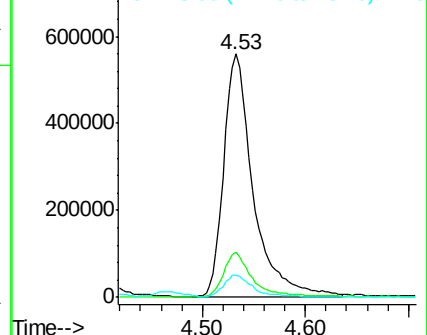
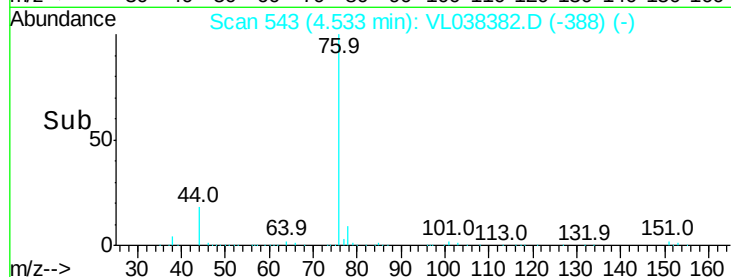
78 9.4 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.57 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL038382.D

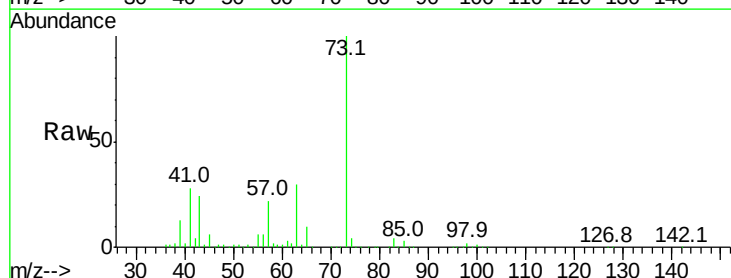
Acq: 22 Feb 2022 9:08

Tgt Ion: 73 Resp: 976965

Ion Ratio Lower Upper

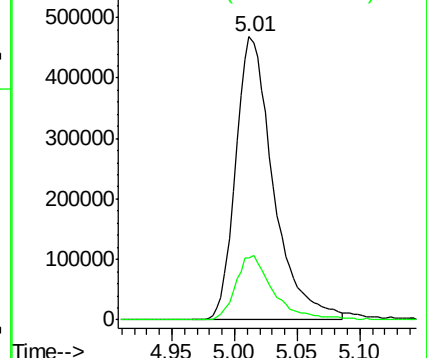
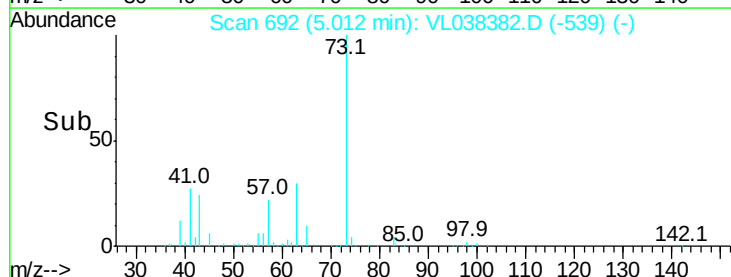
73 100

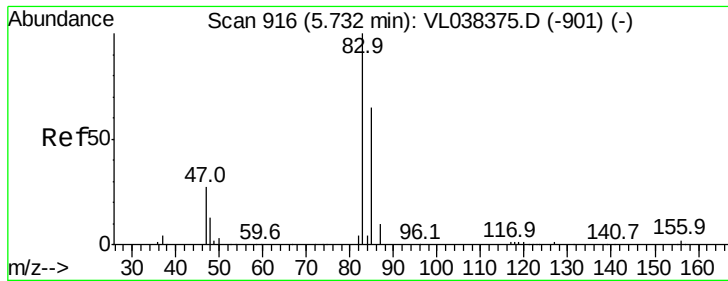
57 23.0 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

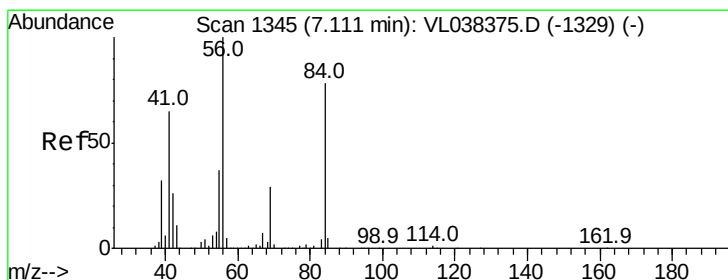
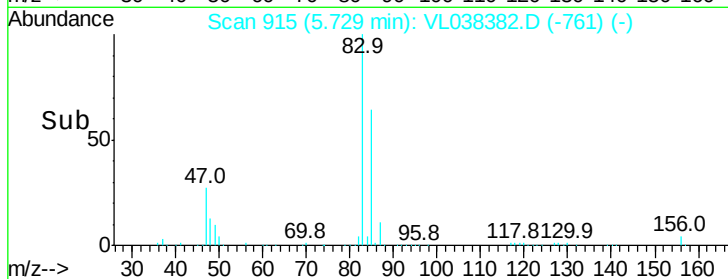
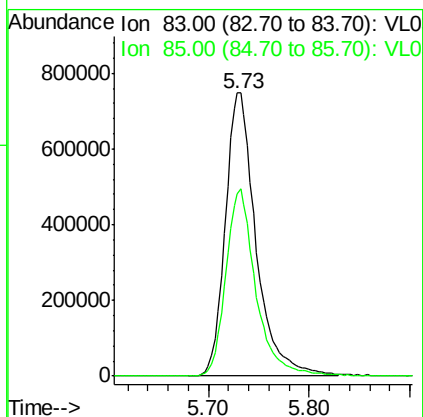
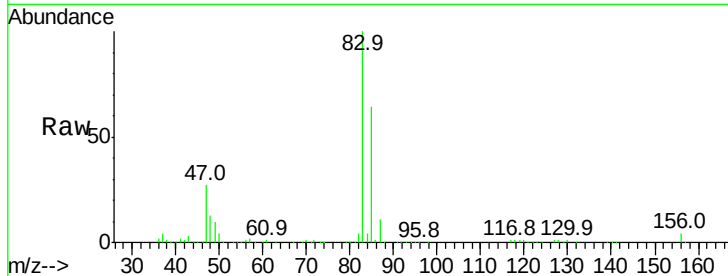
Ion 57.10 (56.80 to 57.80): VL0





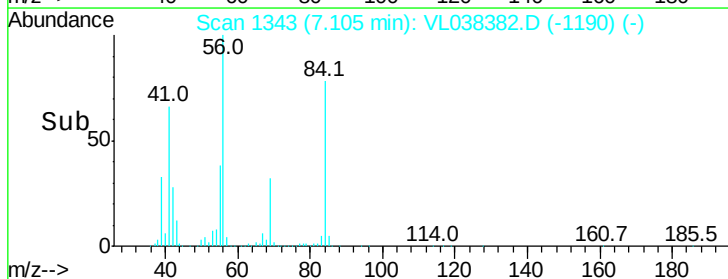
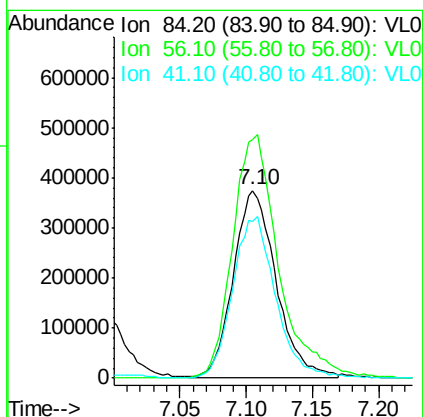
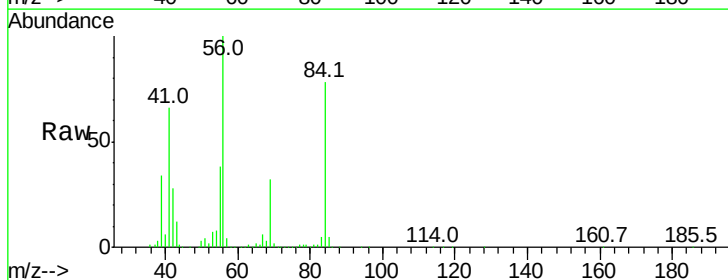
#29  
Chloroform  
Concen: 9.71 ppbv  
RT: 5.73  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 22 Feb 2022 9:08

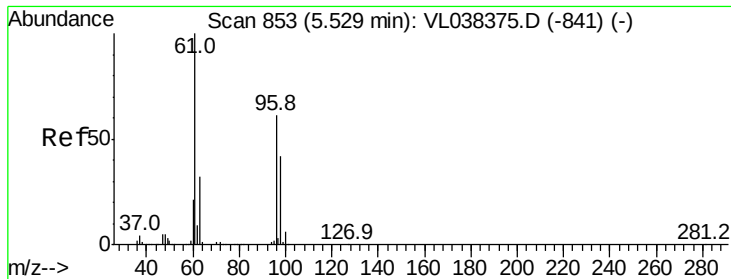
Tgt Ion: 83 Resp: 1589481  
Ion Ratio Lower Upper  
83 100  
85 64.2 51.6 77.4



#30  
Cyclohexane  
Concen: 10.17 ppbv  
RT: 7.10 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

Tgt Ion: 84 Resp: 833687  
Ion Ratio Lower Upper  
84 100  
56 141.5 116.2 174.4  
41 88.0 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.24 ppbv

RT: 5.53

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

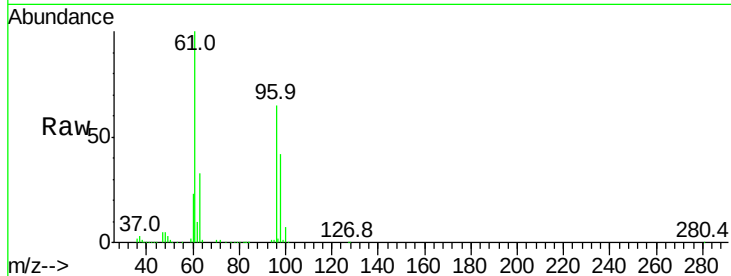
Tgt Ion: 61 Resp: 994563

Ion Ratio Lower Upper

61 100

96 65.1 48.6 73.0

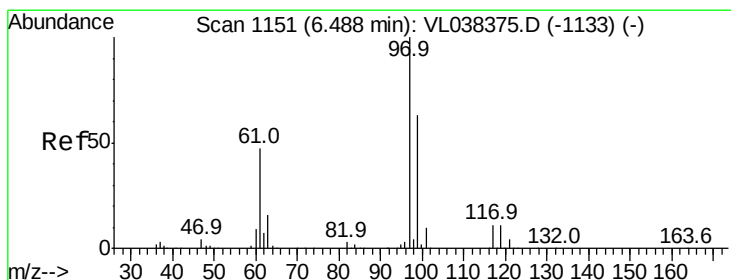
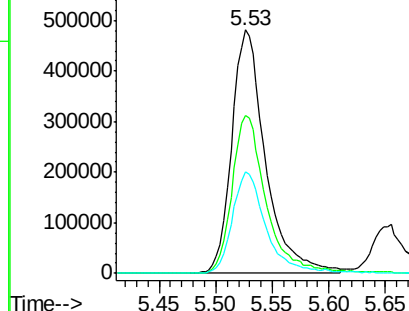
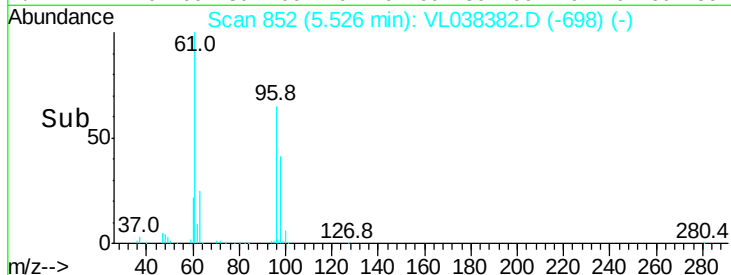
98 41.5 33.2 49.8



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.59 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

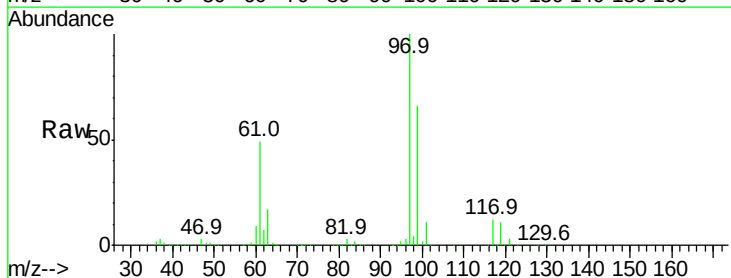
Tgt Ion: 97 Resp: 1578186

Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

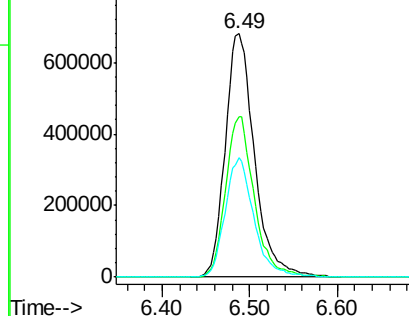
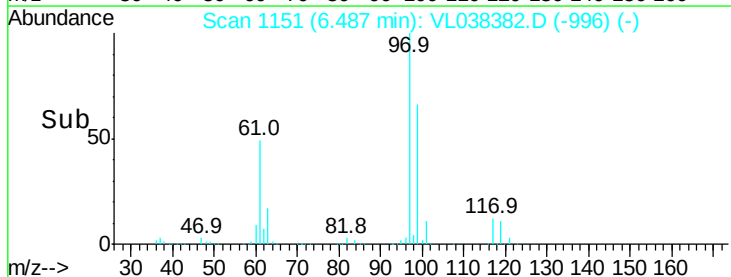
61 48.7 40.5 60.7

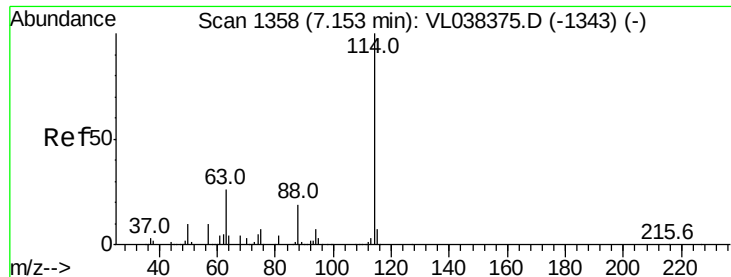


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

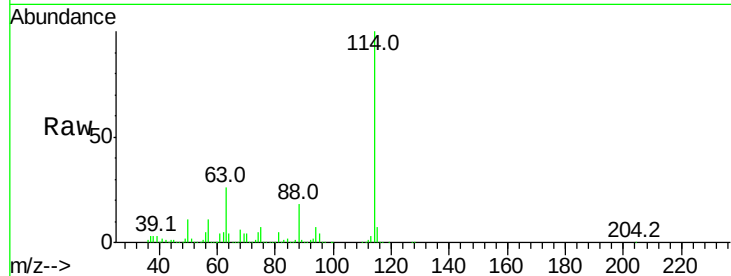




#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.15  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 114 Resp: 2461288

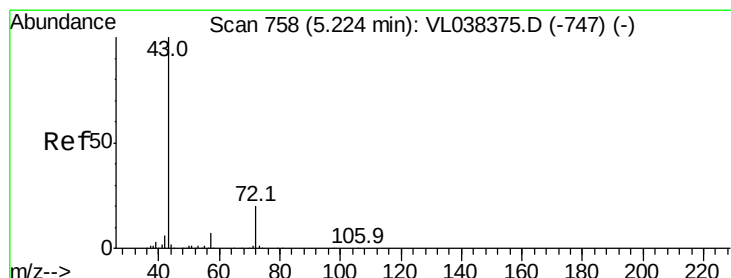
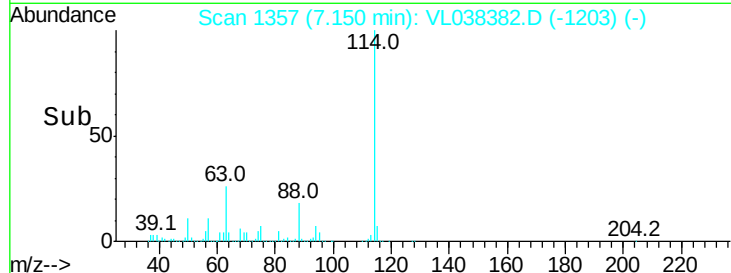
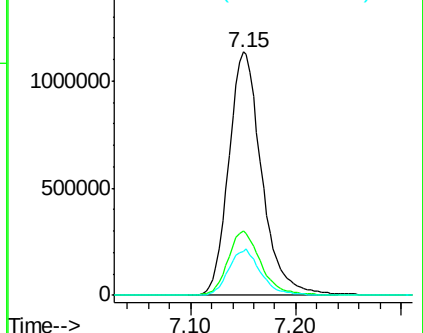
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 26.8  | 22.2  | 33.2  |
| 88  | 18.6  | 15.2  | 22.8  |



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

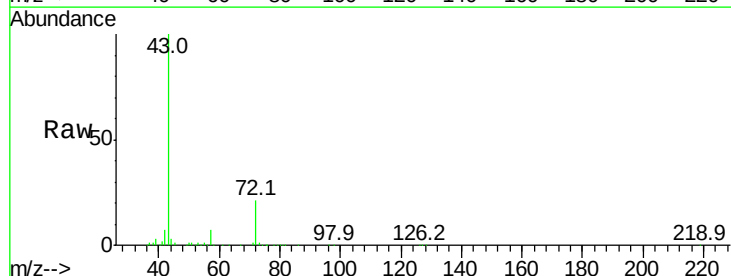
Ion 88.10 (87.80 to 88.80): VL0



#34  
 2-Butanone  
 Concen: 9.00 ppbv  
 RT: 5.22 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

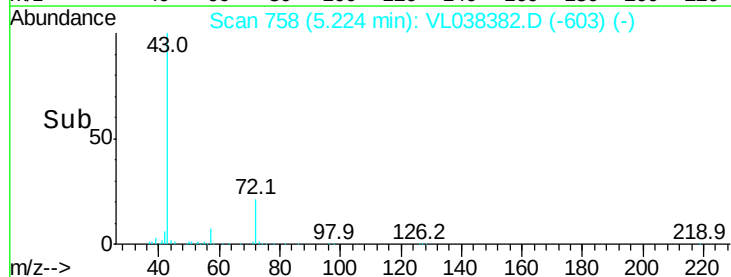
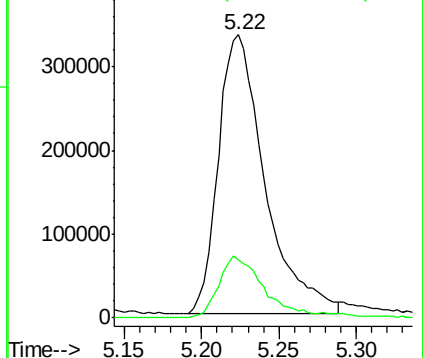
Tgt Ion: 43 Resp: 696583

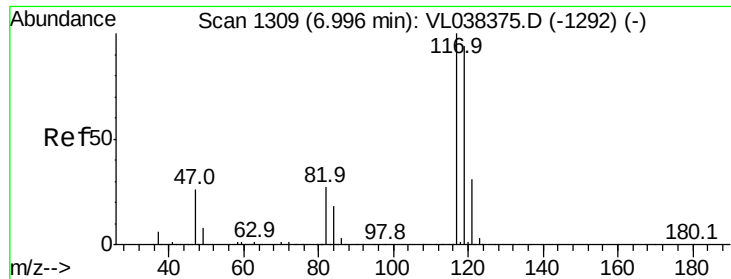
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 23.1  | 17.4  | 26.2  |



Abundance Ion 43.10 (42.80 to 43.80): VL0

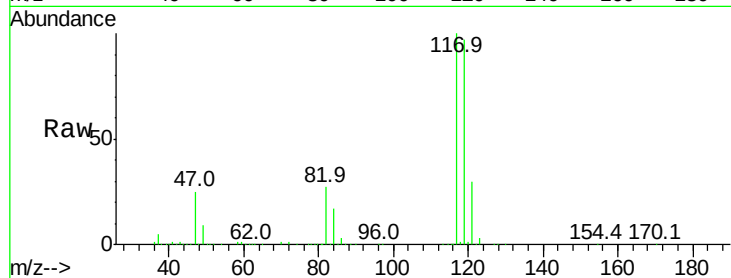
Ion 72.10 (71.80 to 72.80): VL0



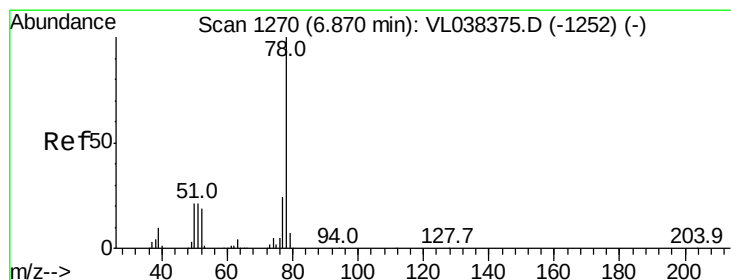
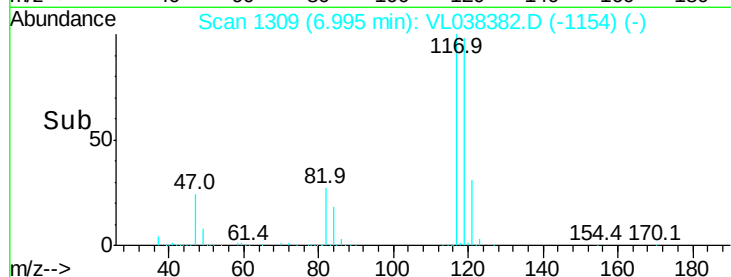
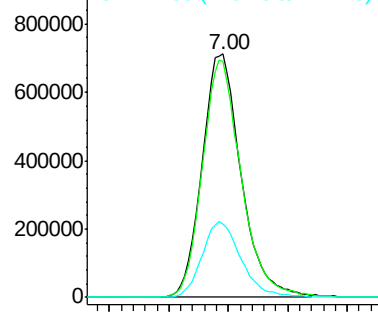


#35  
Carbon Tetrachloride  
Concen: 9.35 ppbv  
RT: 7.00  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 22 Feb 2022 9:08

Tgt Ion: 117 Resp: 1618179  
Ion Ratio Lower Upper  
117 100  
119 96.7 74.9 112.3  
121 30.2 24.8 37.2

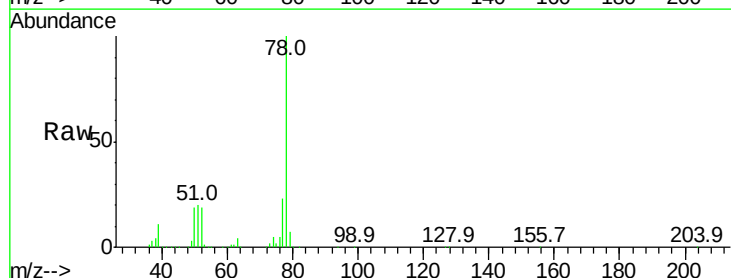


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V

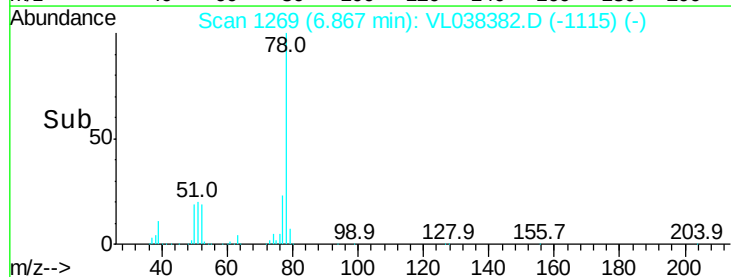
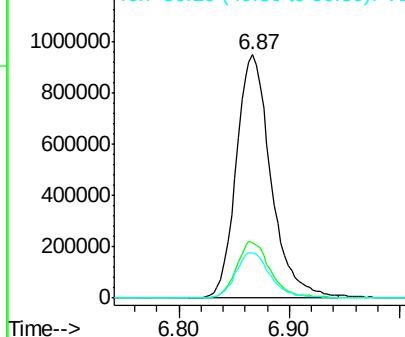


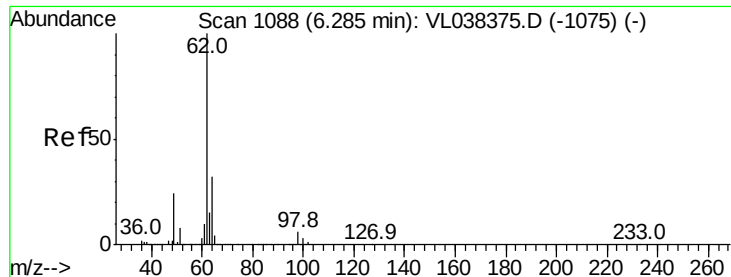
#36  
Benzene  
Concen: 9.52 ppbv  
RT: 6.87 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

Tgt Ion: 78 Resp: 2063358  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.0 28.6  
50 18.8 16.6 24.8



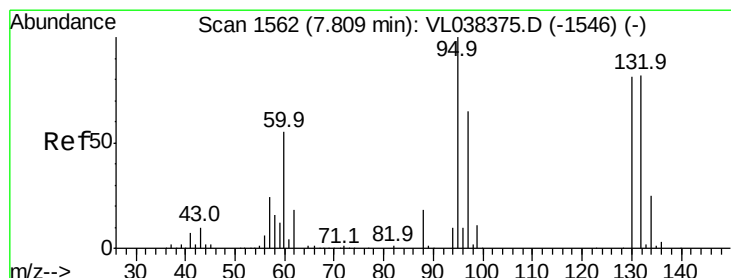
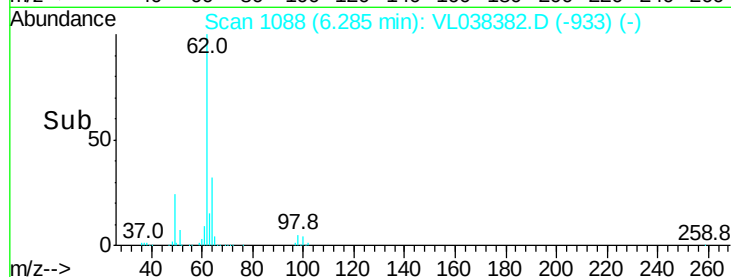
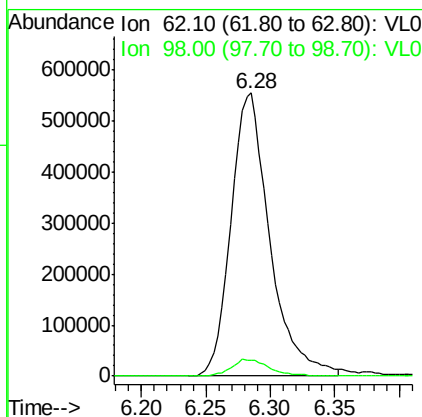
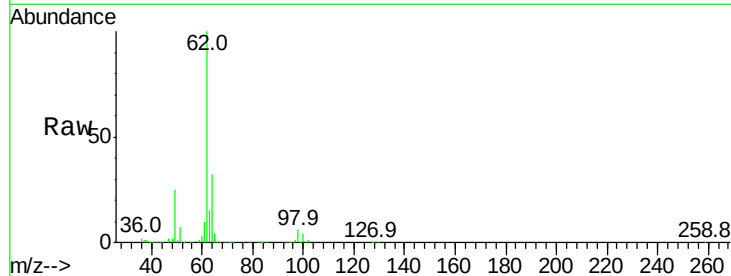
Abundance Ion 78.10 (77.80 to 78.80): VL0  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 50.10 (49.80 to 50.80): VL0





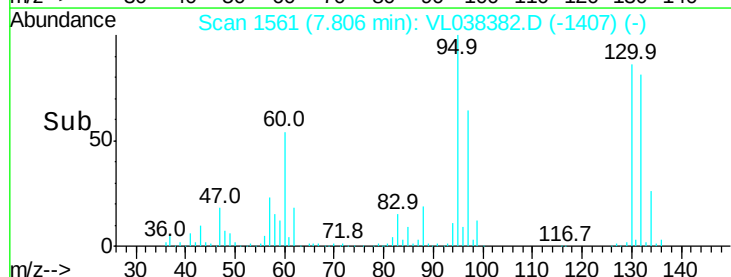
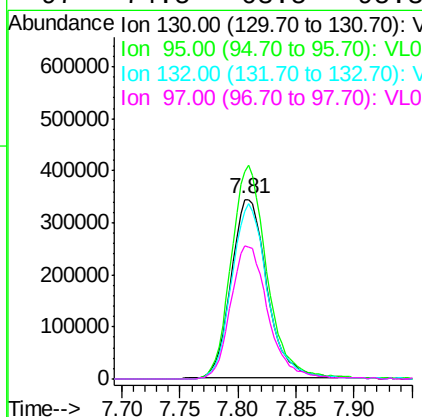
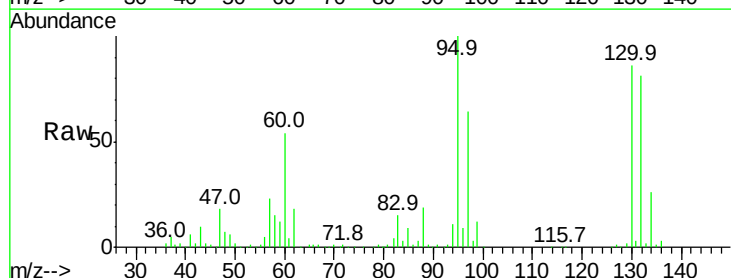
#37  
 1,2-Dichloroethane  
 Concen: 9.29 ppbv  
 RT: 6.28  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

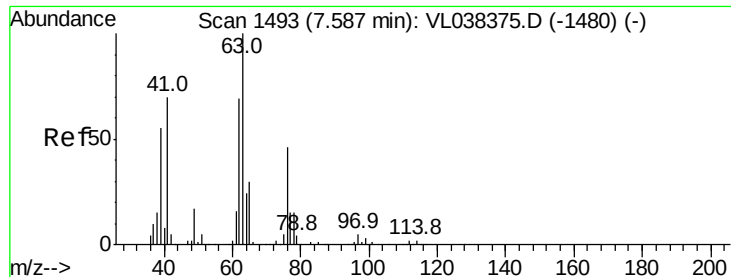
Tgt Ion: 62 Resp: 1163278  
 Ion Ratio Lower Upper  
 62 100  
 98 5.9 4.6 7.0



#38  
 Trichloroethene  
 Concen: 9.36 ppbv  
 RT: 7.81 min Scan# 1561  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

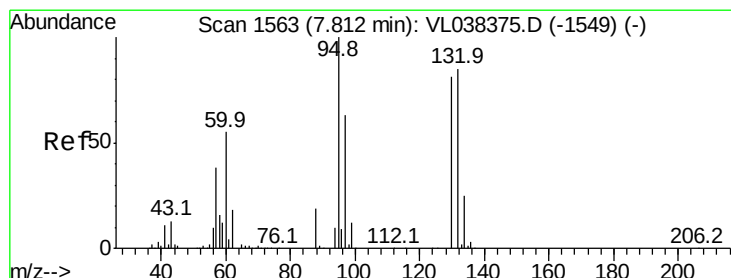
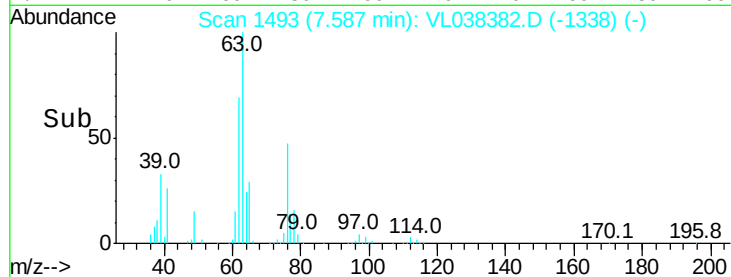
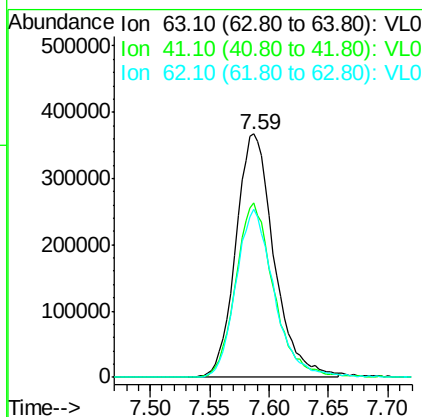
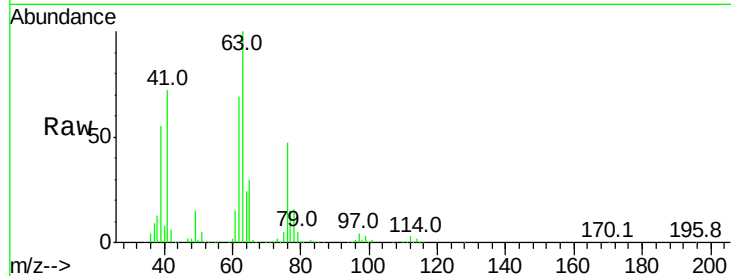
Tgt Ion: 130 Resp: 738669  
 Ion Ratio Lower Upper  
 130 100  
 95 116.3 98.1 147.1  
 132 93.9 80.3 120.5  
 97 74.5 63.5 95.3





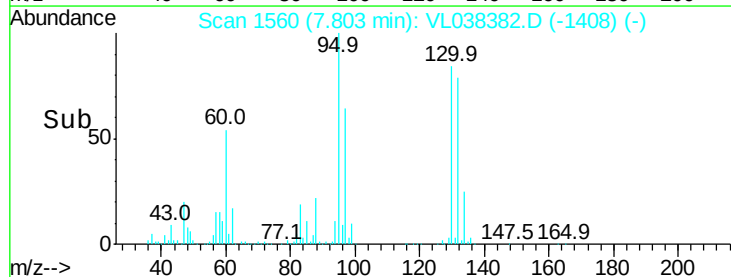
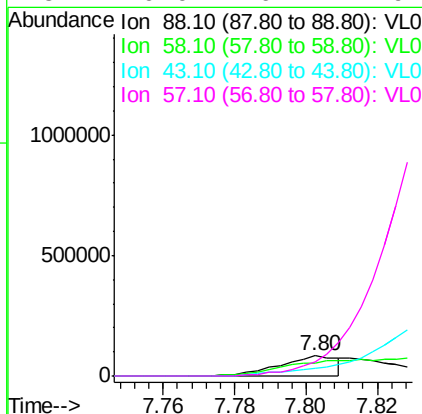
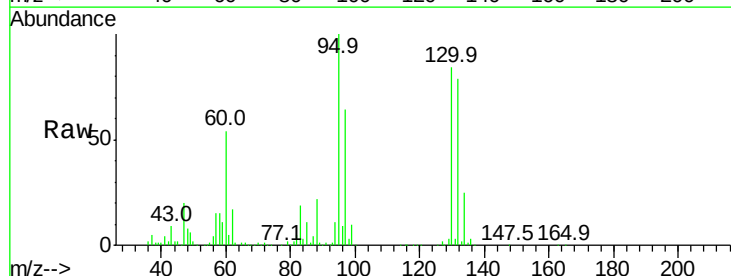
#39  
 1,2-Dichloropropane  
 Concen: 9.48 ppbv  
 RT: 7.59  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

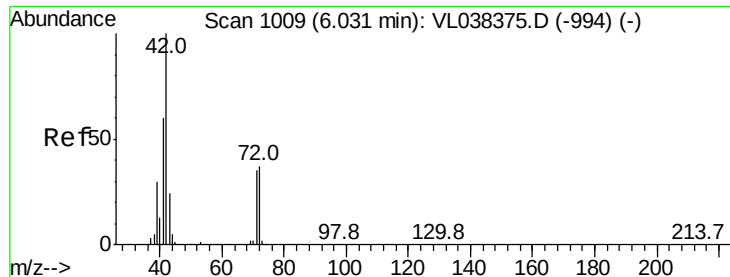
Tgt Ion: 63 Resp: 818182  
 Ion Ratio Lower Upper  
 63 100  
 41 71.7 56.1 84.1  
 62 68.8 55.5 83.3



#40  
 1,4-Dioxane  
 Concen: 4.56 ppbv  
 RT: 7.80 min Scan# 1560  
 Delta R.T. -0.01 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

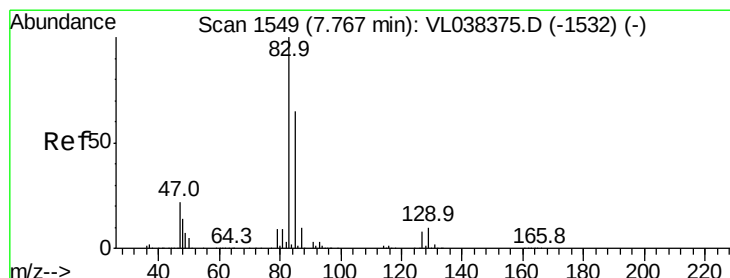
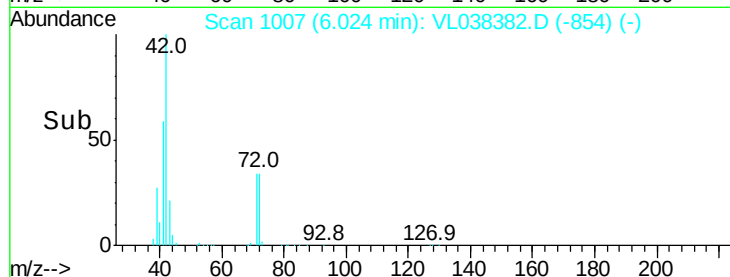
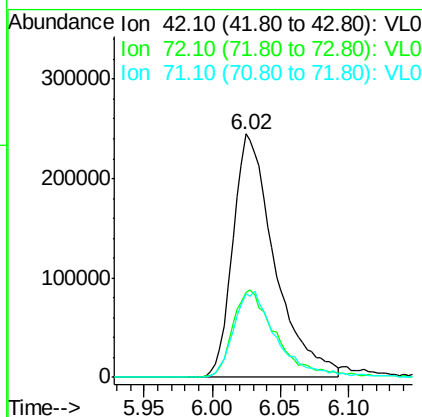
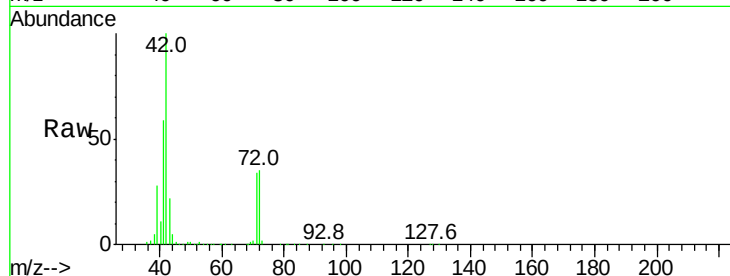
Tgt Ion: 88 Resp: 93322  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 133.2 199.8#  
 43 0.0 330.6 496.0#  
 57 0.0 1462.7 2194.1#





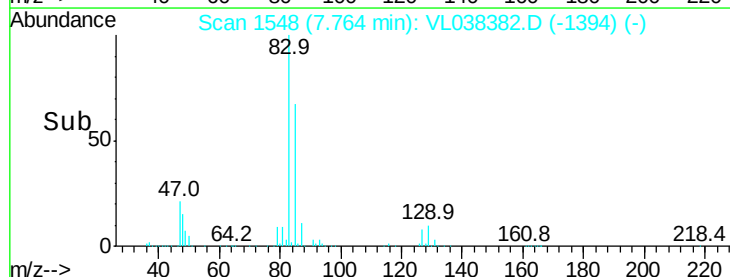
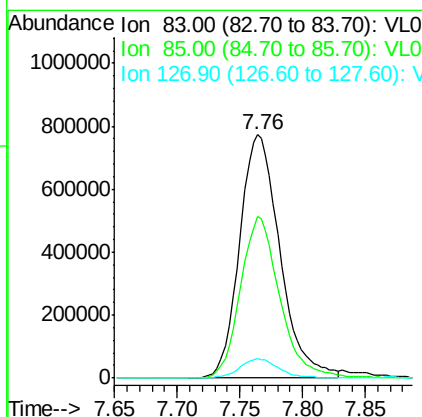
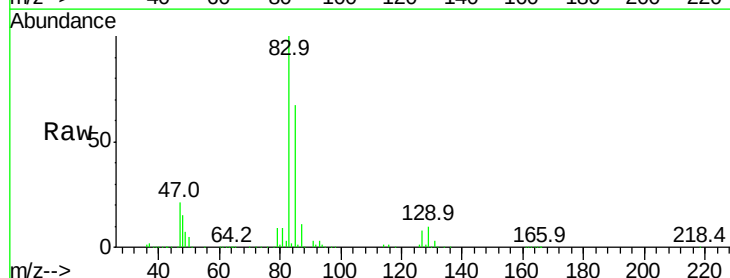
#41  
Tetrahydrofuran  
Concen: 9.94 ppbv  
RT: 6.02  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 22 Feb 2022 9:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.6  | 29.9  | 44.9  |
| 71      | 37.3  | 28.6  | 42.8  |

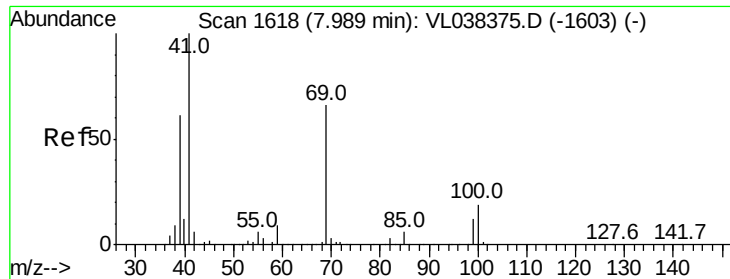


#42  
Bromodichloromethane  
Concen: 9.58 ppbv  
RT: 7.76 min Scan# 1548  
Delta R.T.: -0.00 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.6  | 52.2  | 78.4  |
| 127     | 8.0   | 6.2   | 9.4   |







#43

Methyl Methacrylate

Concen: 10.06 ppbv

RT: 7.99 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

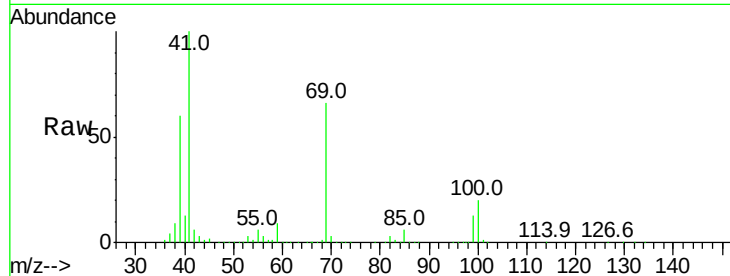
Tgt Ion: 69 Resp: 757936

Ion Ratio Lower Upper

69 100

41 154.5 122.9 184.3

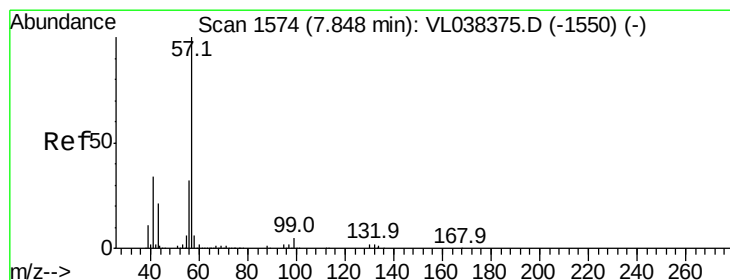
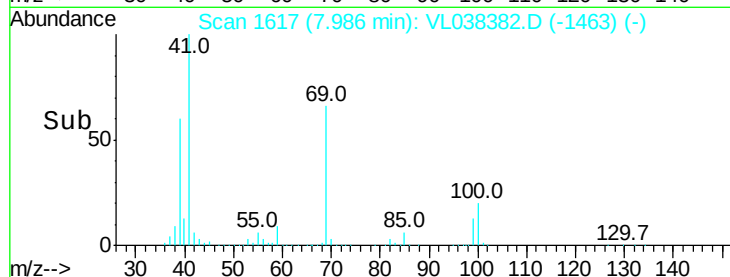
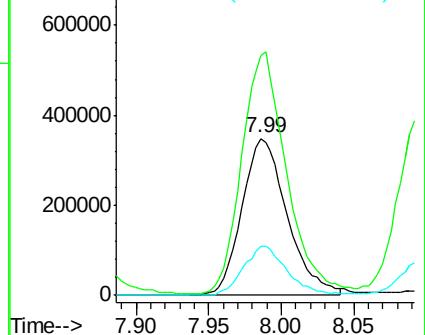
100 30.7 23.6 35.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.26 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

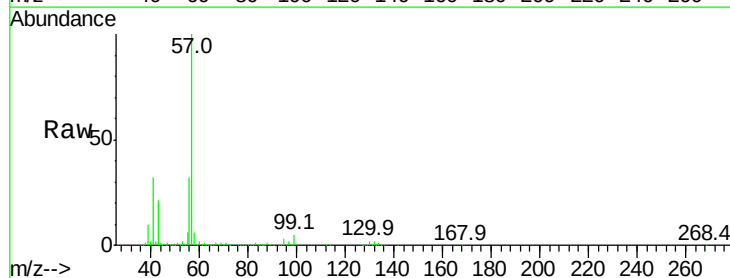
Tgt Ion: 57 Resp: 3448870

Ion Ratio Lower Upper

57 100

41 33.1 26.6 39.8

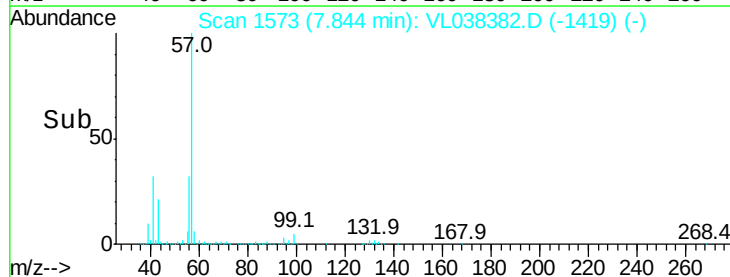
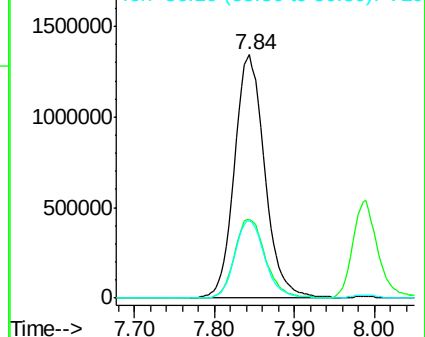
56 31.7 25.0 37.6

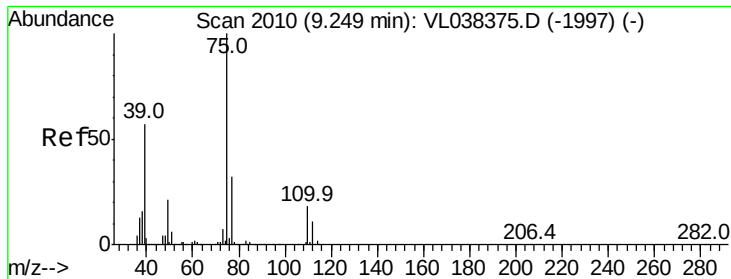


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 10.03 ppbv

RT: 9.25 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: ICVVL022222

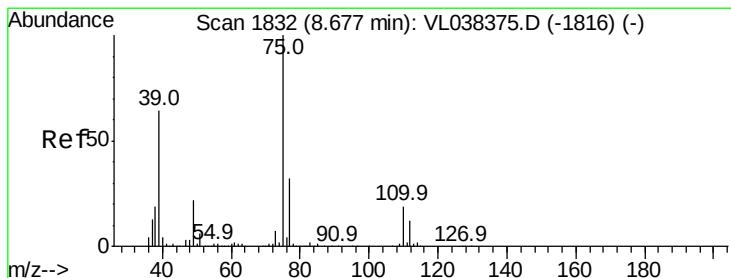
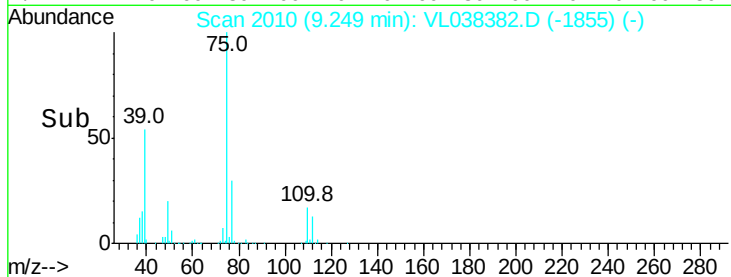
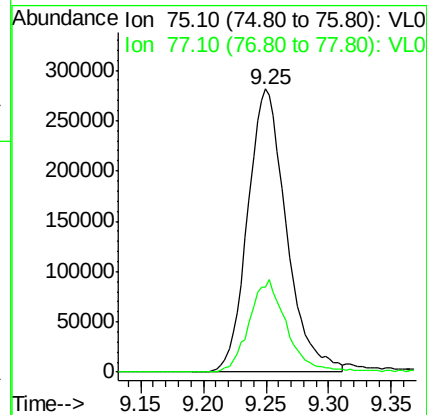
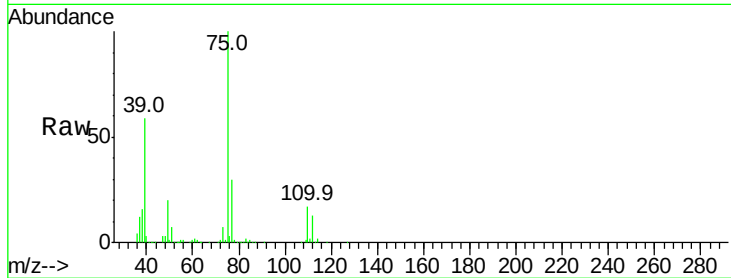
Acq: 22 Feb 2022 9:08

Tgt Ion: 75 Resp: 603735

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 9.50 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

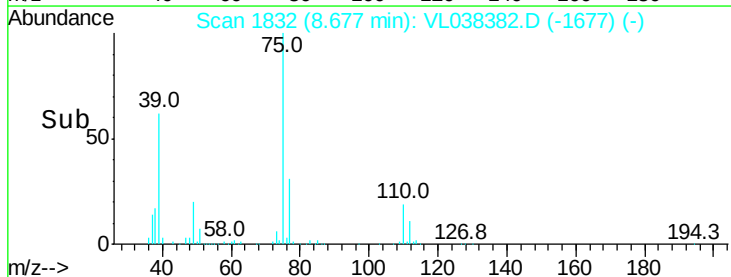
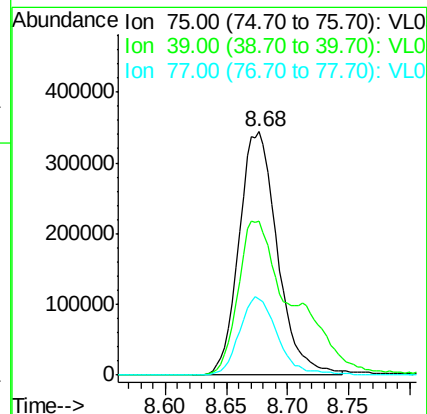
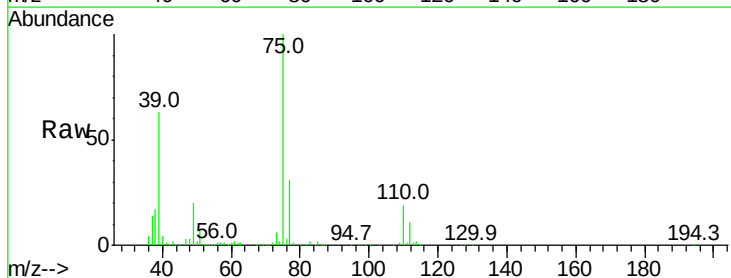
Tgt Ion: 75 Resp: 749626

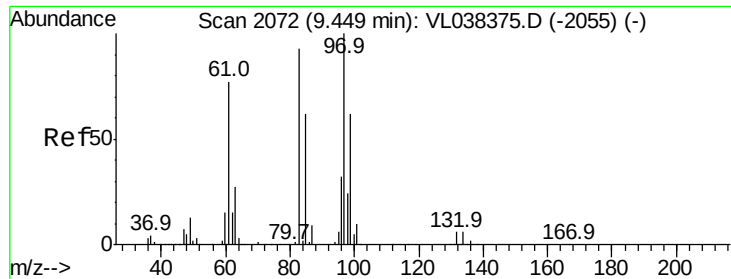
Ion Ratio Lower Upper

75 100

39 62.9 51.4 77.2

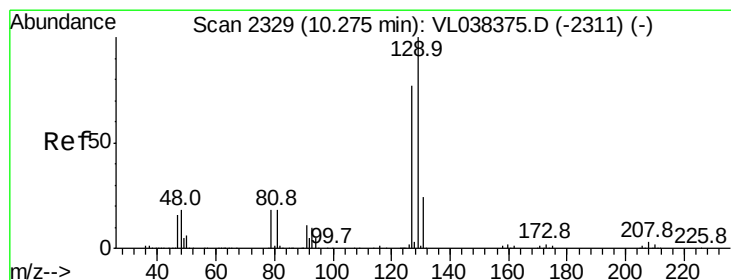
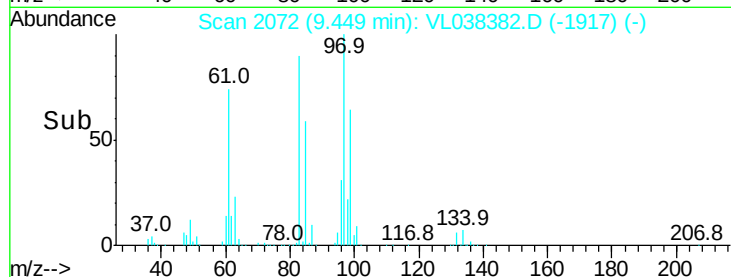
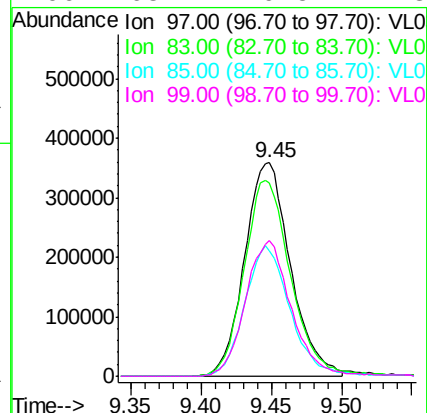
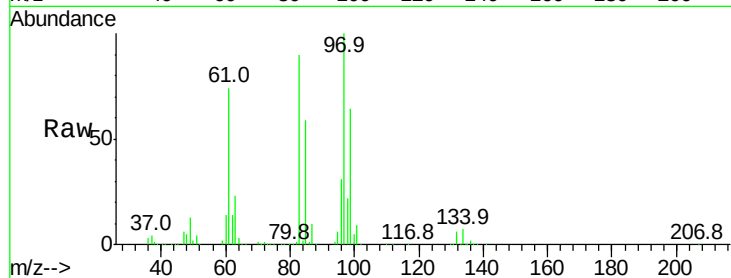
77 31.3 25.4 38.2





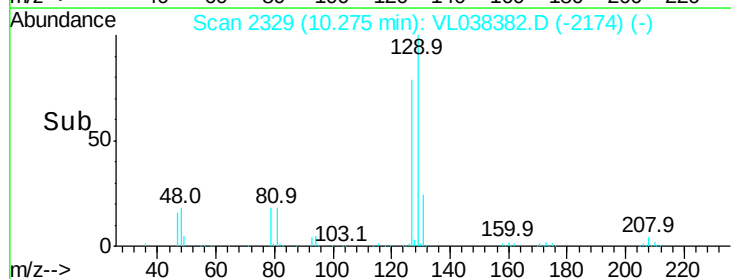
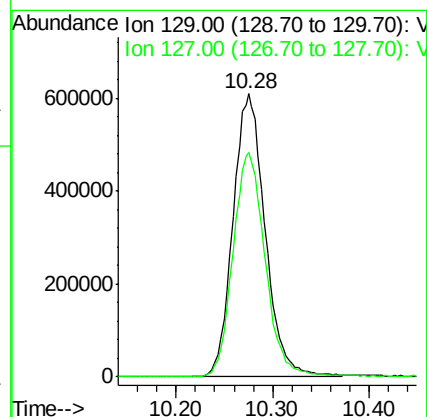
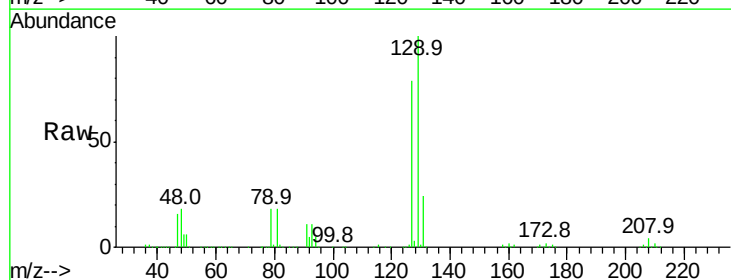
#47  
 1,1,2-Trichloroethane  
 Concen: 9.51 ppbv  
 RT: 9.45  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

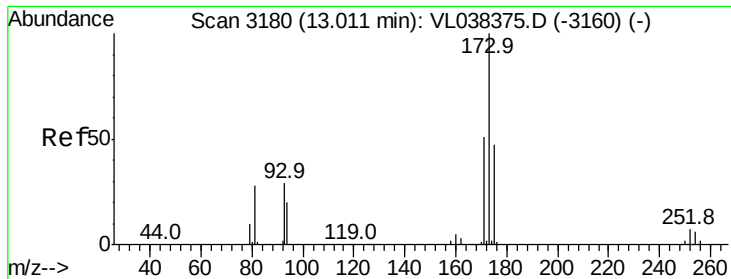
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 816558 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.2  | 74.2  | 111.4  |
| 85       | 58.8  | 49.8  | 74.8   |
| 99       | 63.7  | 49.5  | 74.3   |



#48  
 Dibromochloromethane  
 Concen: 10.01 ppbv  
 RT: 10.28 min Scan# 2329  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 129   | Resp: | 1405729 |
| Ion      | Ratio | Lower | Upper   |
| 129      | 100   |       |         |
| 127      | 80.0  | 39.4  | 118.1   |





#49

Bromoform

Concen: 10.32 ppbv

RT: 13.01

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 9:08

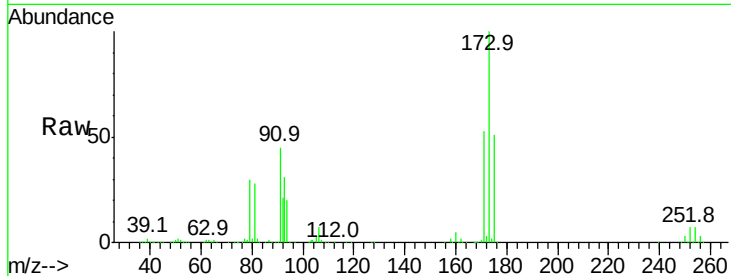
Tgt Ion:173 Resp: 1069330

Ion Ratio Lower Upper

173 100

175 50.5 40.2 60.2

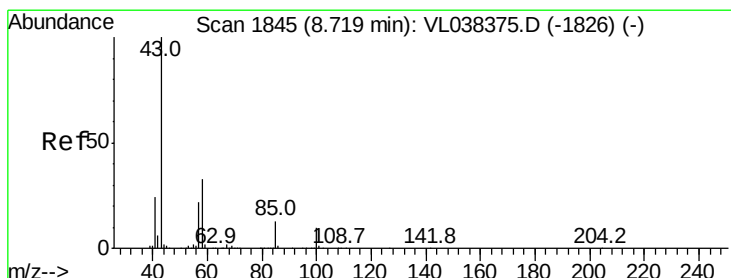
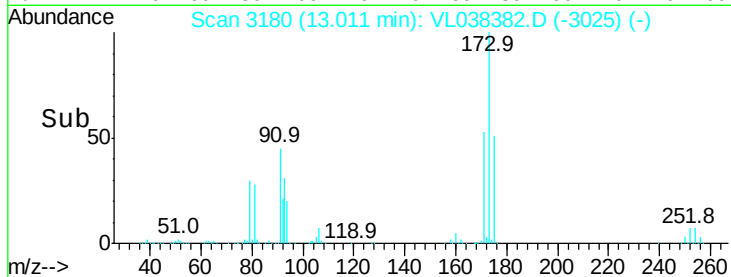
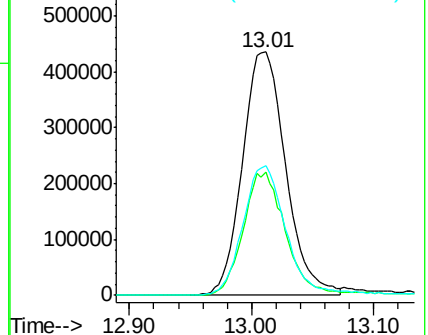
171 54.1 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.21 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL038382.D

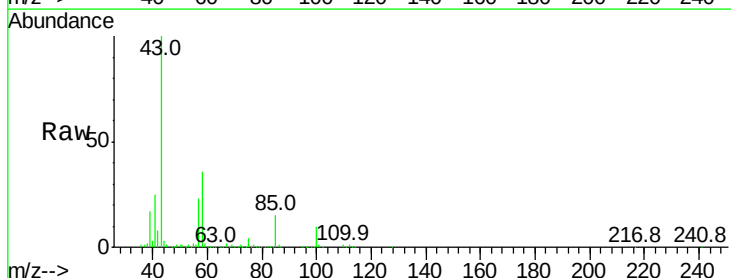
Acq: 22 Feb 2022 9:08

Tgt Ion: 43 Resp: 1398020

Ion Ratio Lower Upper

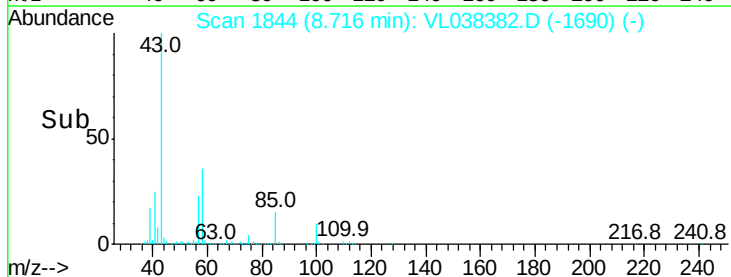
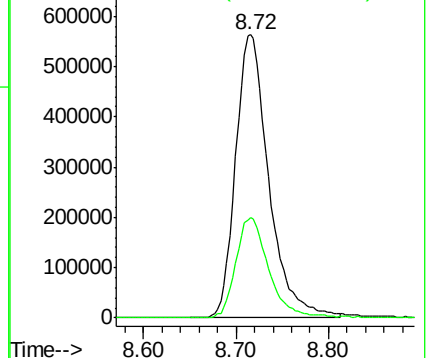
43 100

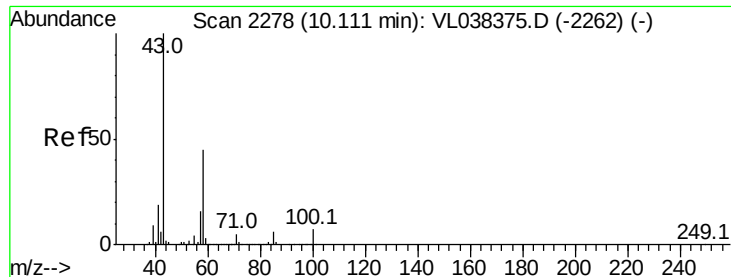
58 35.6 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.32 ppbv

RT: 10.11

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

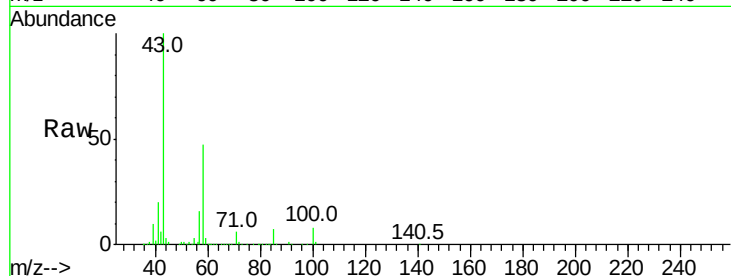
Tgt Ion: 43 Resp: 632580

Ion Ratio Lower Upper

43 100

58 48.2 37.4 56.0

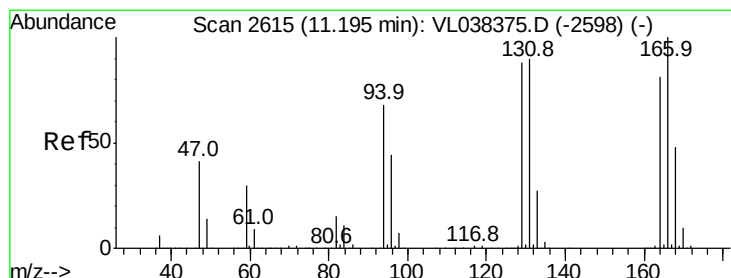
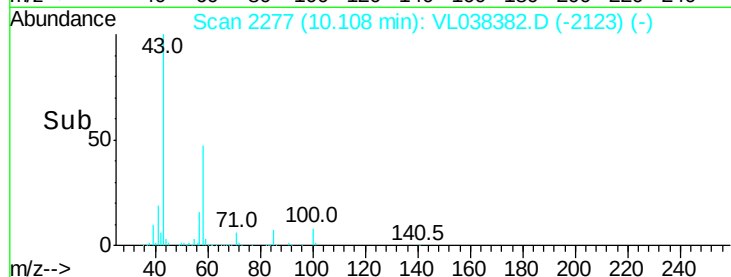
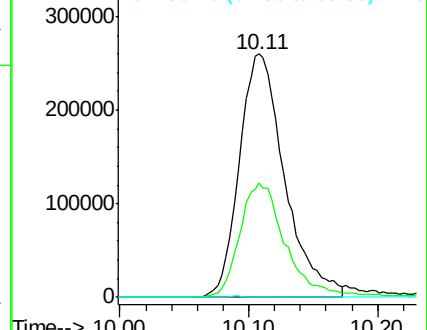
98 0.2 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.30 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

Tgt Ion: 164 Resp: 668675

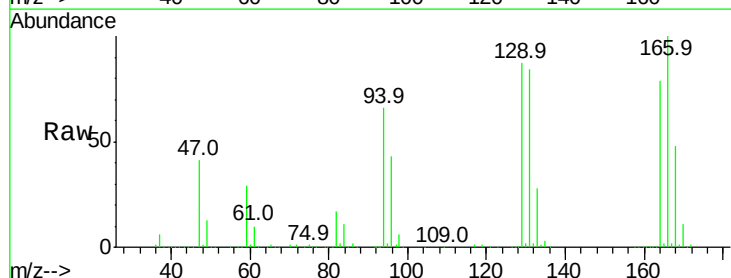
Ion Ratio Lower Upper

164 100

166 126.0 98.6 148.0

129 109.5 86.9 130.3

131 106.2 88.6 133.0

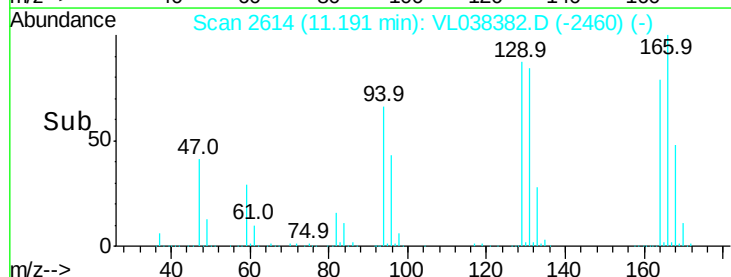
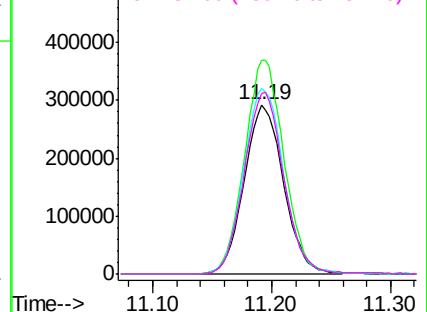


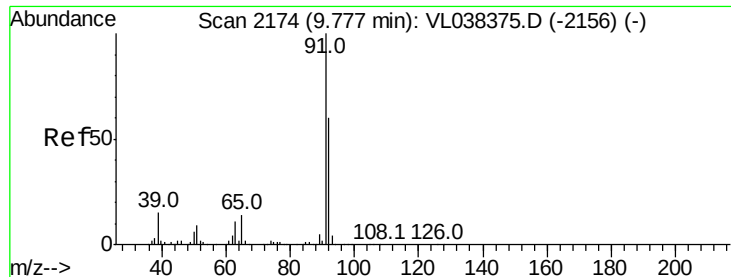
Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.82 ppbv

RT: 9.78 Instrument: MSVOA\_1

Delta R.T. -0.00

Lab File: ClientSampleId: ICVVL022222

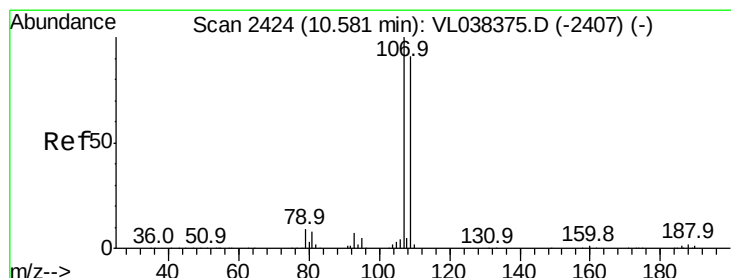
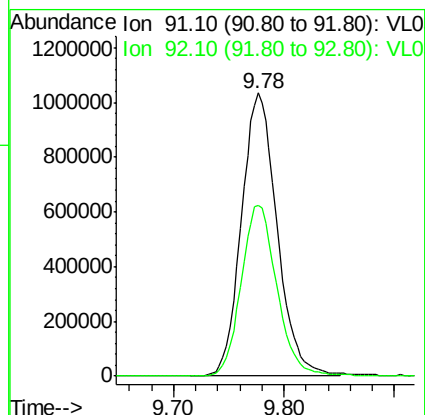
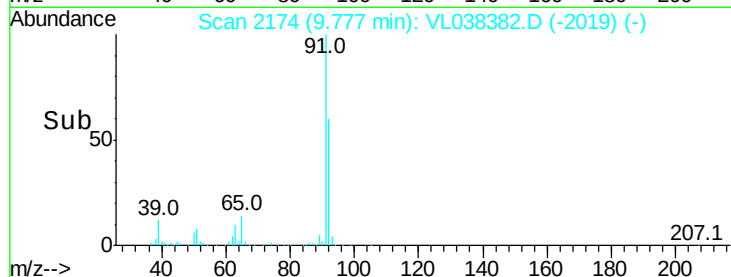
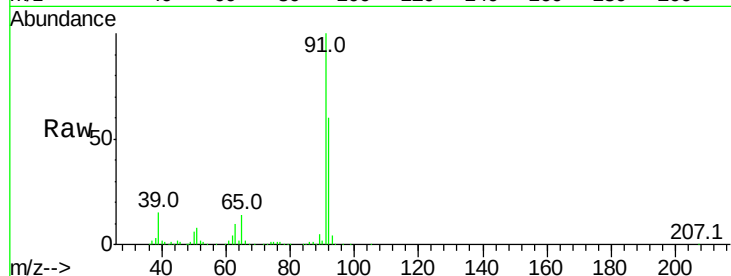
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 2309345

Ion Ratio Lower Upper

91 100

92 60.9 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.88 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.00 min

Lab File: VL038382.D

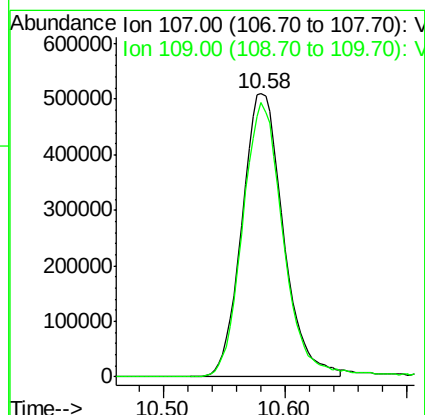
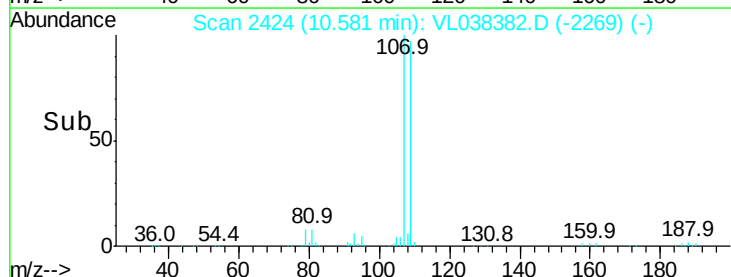
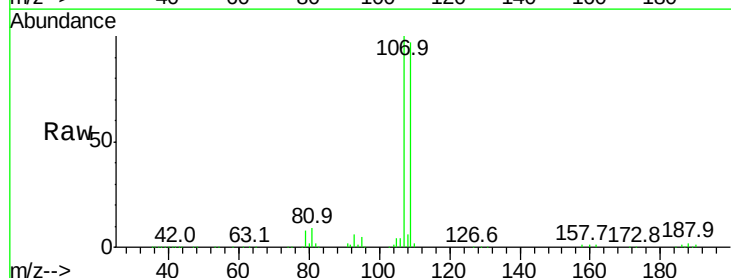
Acq: 22 Feb 2022 9:08

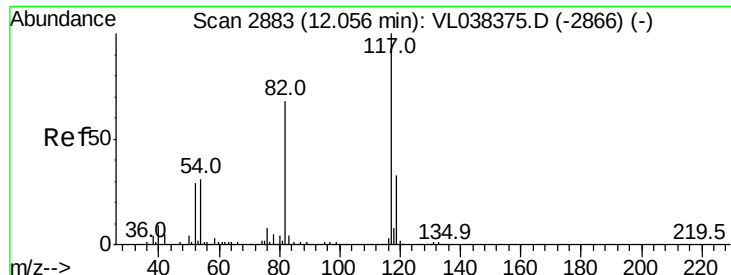
Tgt Ion: 107 Resp: 1193982

Ion Ratio Lower Upper

107 100

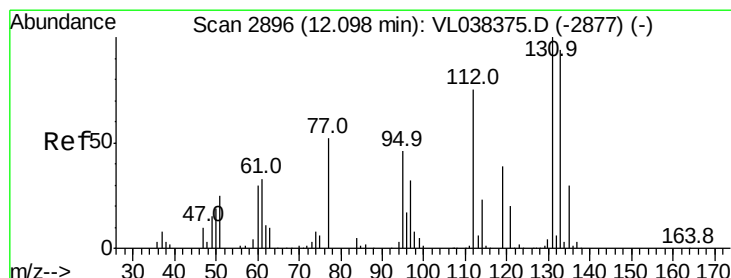
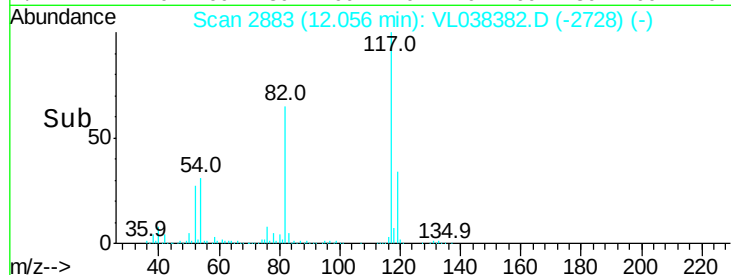
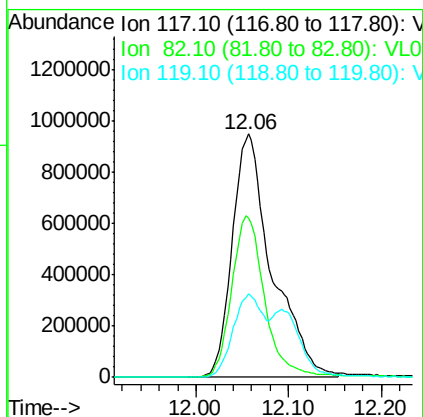
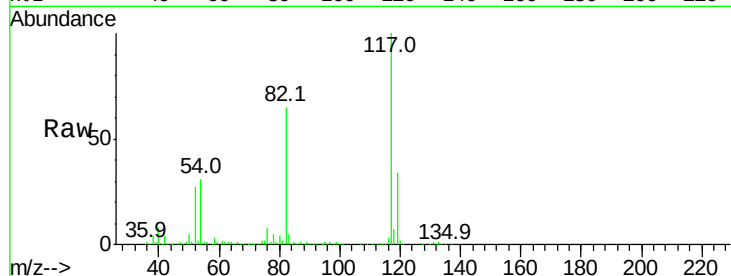
109 96.9 73.0 109.6





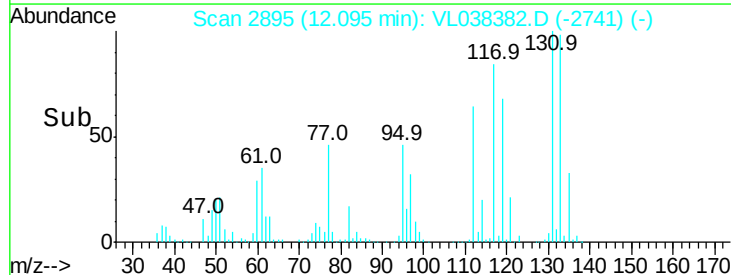
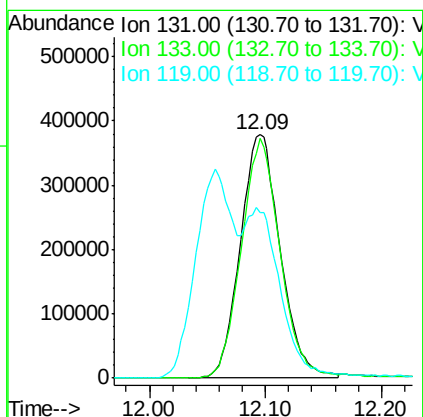
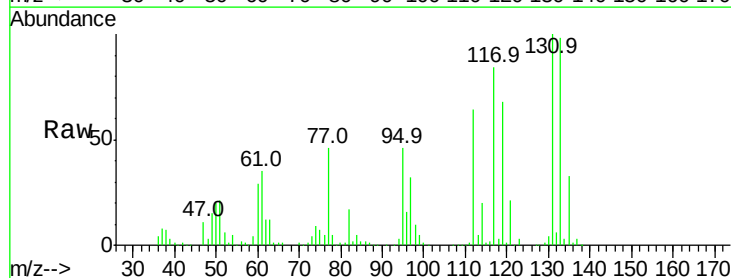
#55  
 Chlorobenzene-d5  
 Concen: 10.00 ppbv  
 RT: 12.06 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

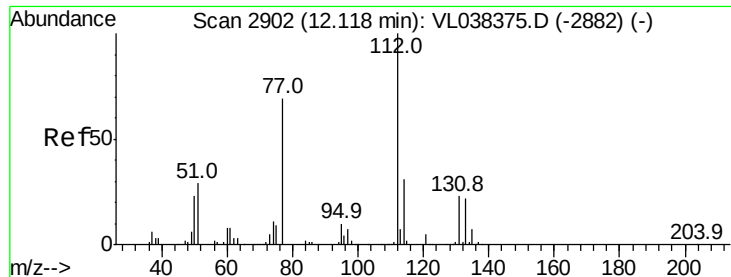
Tgt Ion:117 Resp: 2825390  
 Ion Ratio Lower Upper  
 117 100  
 82 56.3 54.9 82.3  
 119 47.5 46.1 69.1



#56  
 1,1,1,2-Tetrachloroethane  
 Concen: 7.71 ppbv  
 RT: 12.09 min Scan# 2895  
 Delta R.T.: -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion:131 Resp: 907646  
 Ion Ratio Lower Upper  
 131 100  
 133 96.1 77.3 115.9  
 119 61.8 48.6 73.0

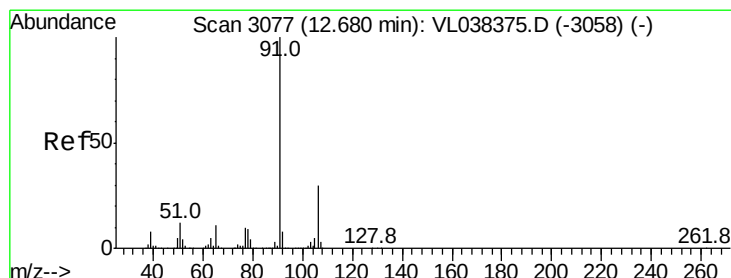
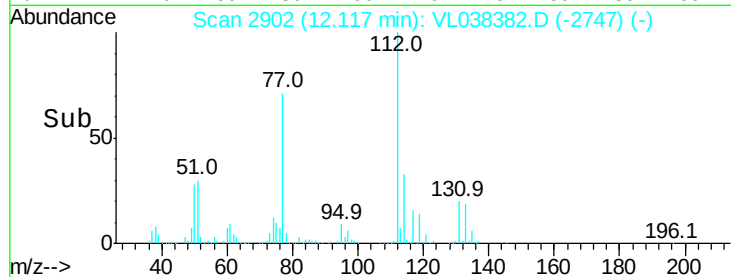
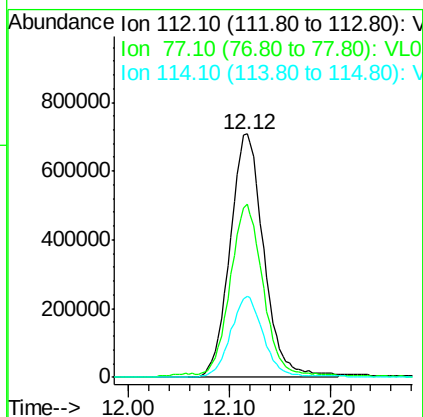
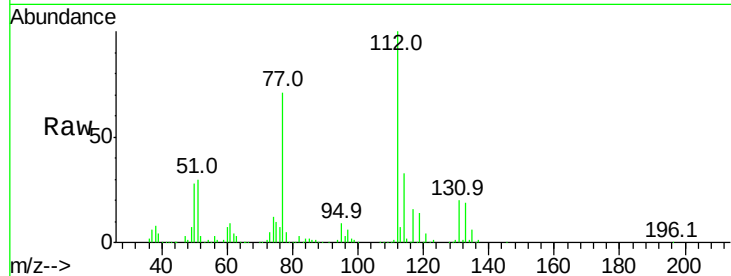




#57  
Chlorobenzene  
Concen: 7.57 ppbv  
RT: 12.12 min  
Instrument: MSVOA\_1  
Delta R.T.: -0.00 min  
Lab File: ClientSampleId :  
Acq: 22 Feb 2022 9:08

Tgt Ion: 112 Resp: 1649218

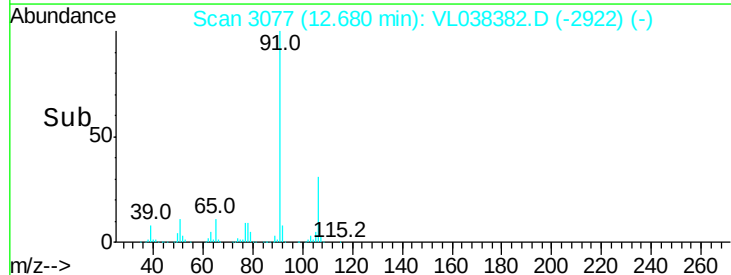
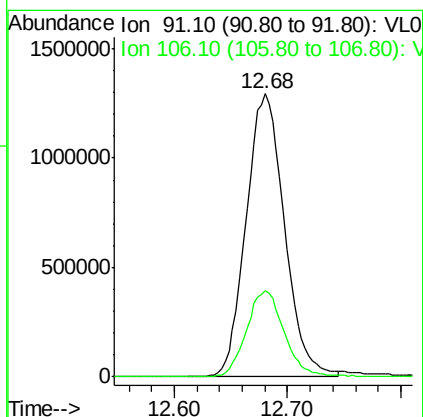
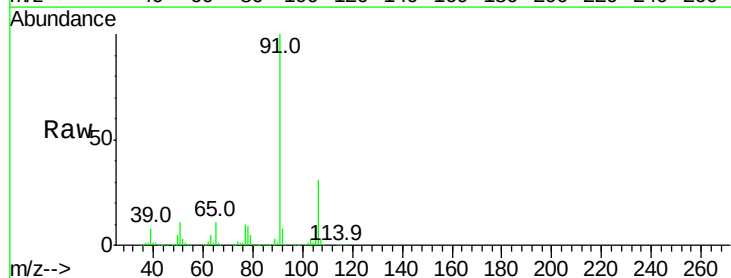
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 77  | 70.5  | 55.2  | 82.8  |
| 114 | 33.4  | 27.9  | 34.1  |



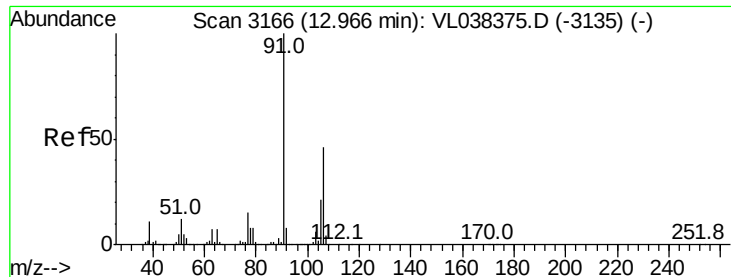
#58  
Ethyl Benzene  
Concen: 7.90 ppbv  
RT: 12.68 min Scan# 3077  
Delta R.T.: -0.00 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 3053788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 30.5  | 24.0  | 36.0  |

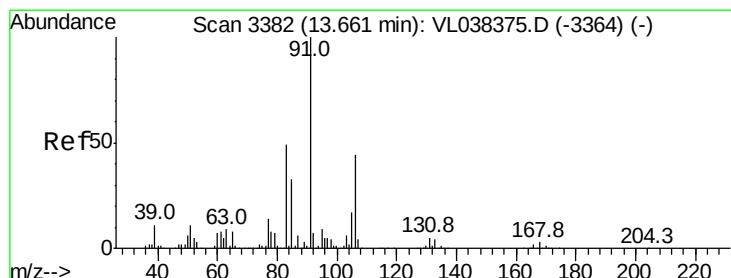
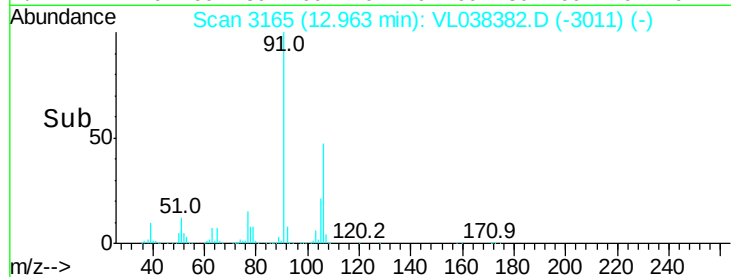
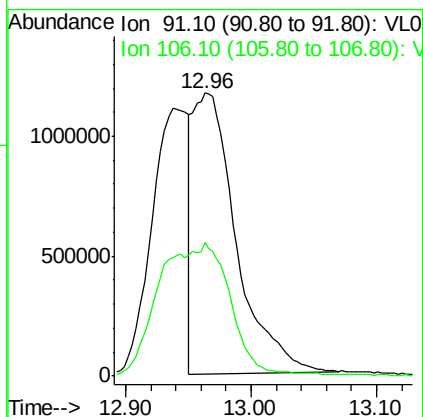
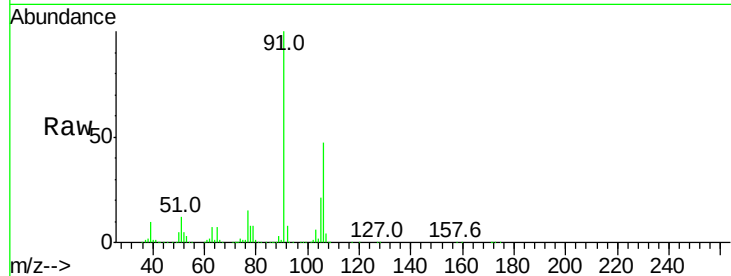






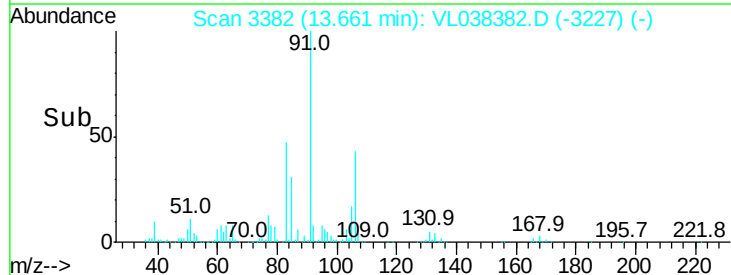
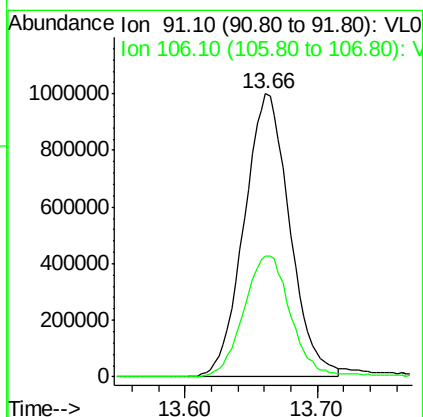
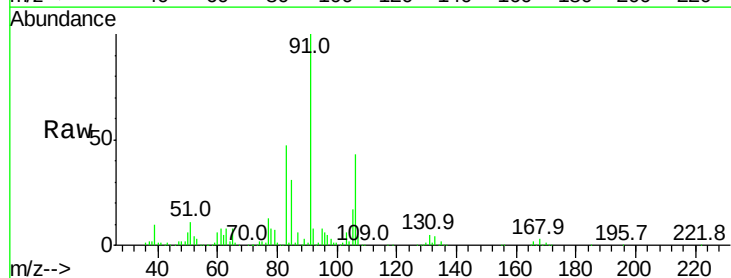
#59  
m/p-Xylene  
Concen: 8.37 ppbv  
RT: 12.96 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 22 Feb 2022 9:08

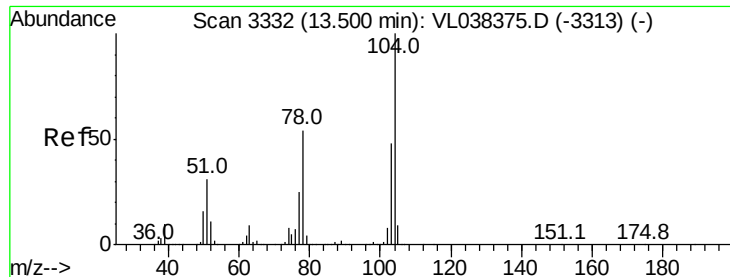
Tgt Ion: 91 Resp: 2776256  
Ion Ratio Lower Upper  
91 100  
106 79.4 34.4 51.6#



#60  
o-Xylene  
Concen: 7.61 ppbv  
RT: 13.66 min Scan# 3382  
Delta R.T. -0.00 min  
Lab File: VL038382.D  
Acq: 22 Feb 2022 9:08

Tgt Ion: 91 Resp: 2385827  
Ion Ratio Lower Upper  
91 100  
106 45.2 21.9 65.5





#61

Styrene

Concen: 8.74 ppbv

RT: 13.50

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

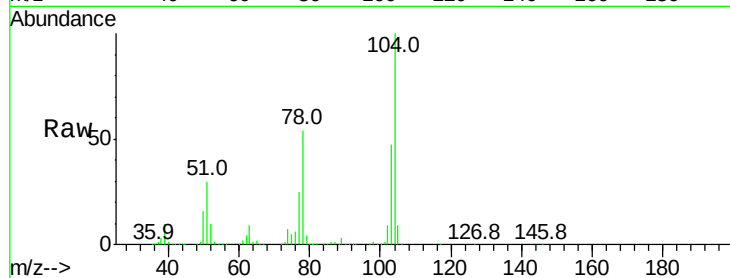
Tgt Ion:104 Resp: 1265163

Ion Ratio Lower Upper

104 100

78 54.9 44.2 66.4

103 47.3 38.4 57.6

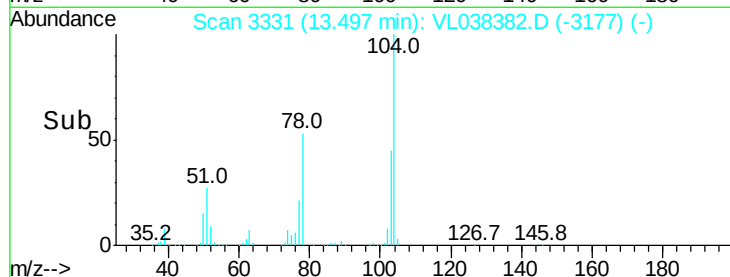


Abundance Ion 104.10 (103.80 to 104.80): V

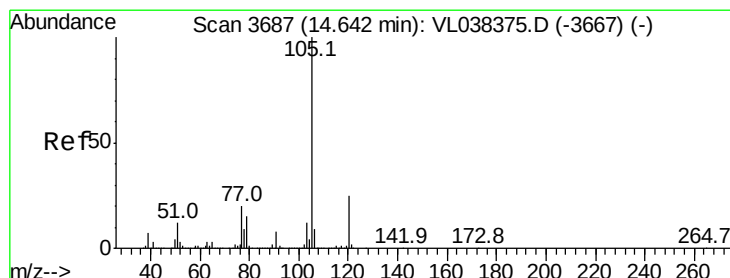
Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V

Time-->



Time-->



#62

Isopropylbenzene

Concen: 7.75 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VL038382.D

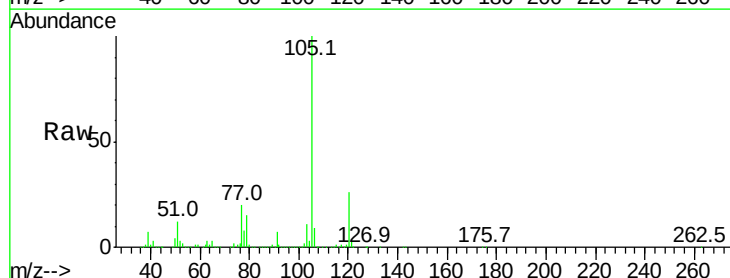
Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 3264073

Ion Ratio Lower Upper

105 100

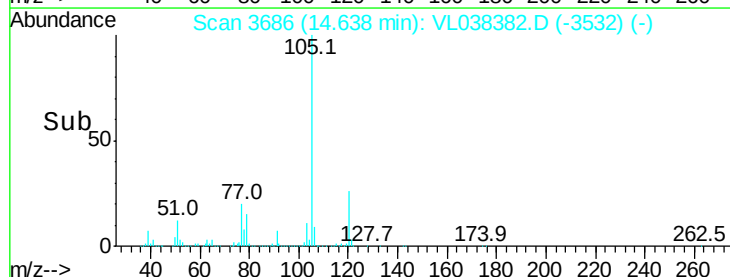
120 25.6 20.6 30.8



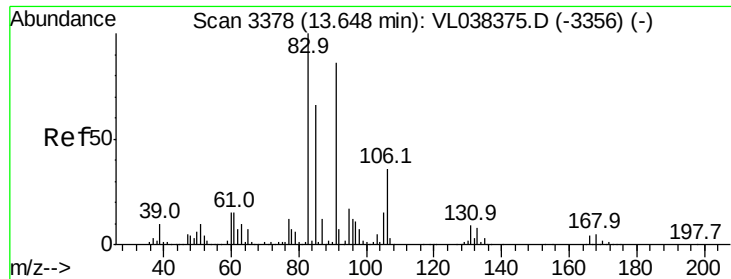
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Time-->

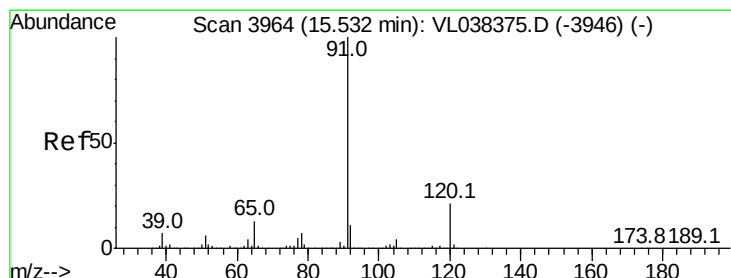
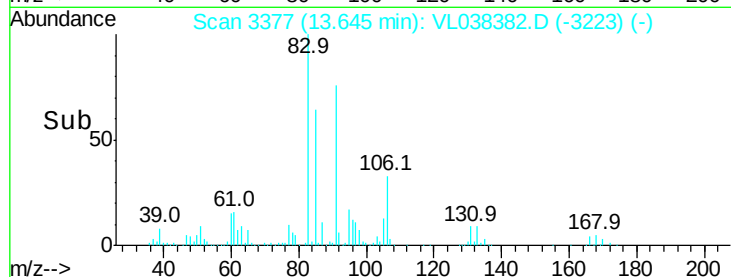
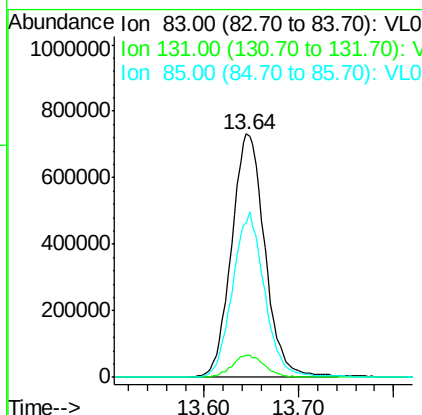
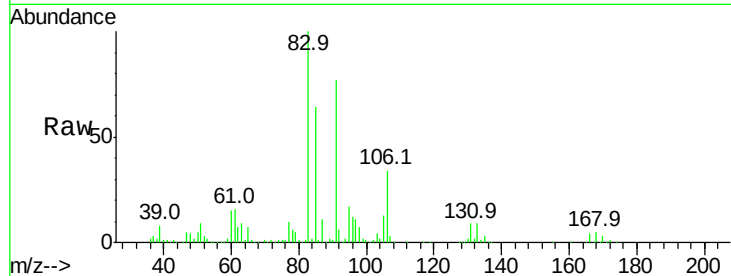


Time-->



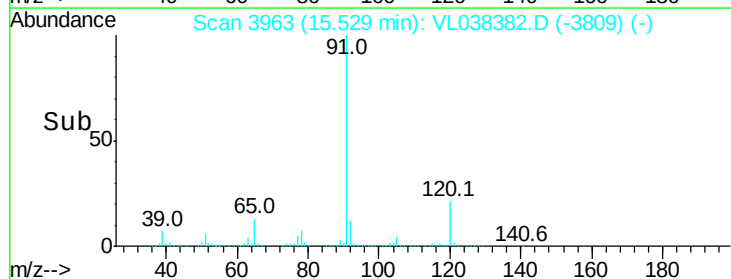
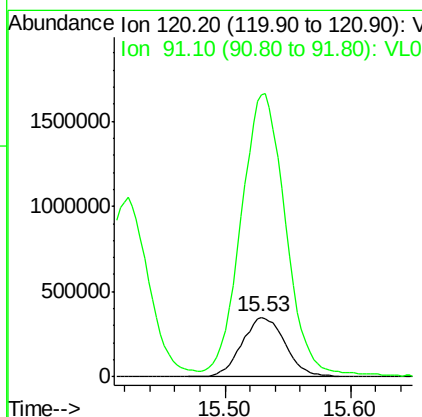
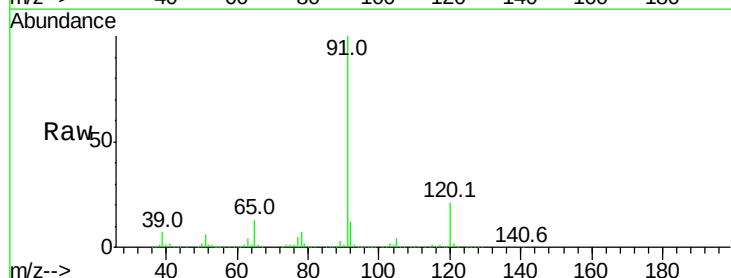
#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 7.00 ppbv  
 RT: 13.64 min  
 Delta R.T. MSVOA\_1  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

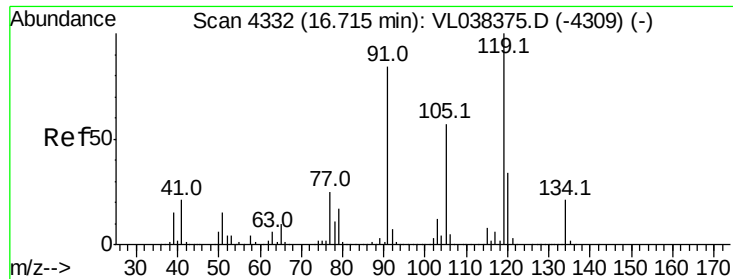
Tgt Ion: 83 Resp: 1783642  
 Ion Ratio Lower Upper  
 83 100  
 131 9.2 4.5 13.7  
 85 66.1 33.0 99.0



#64  
 n-propylbenzene  
 Concen: 8.04 ppbv  
 RT: 15.53 min Scan# 3963  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

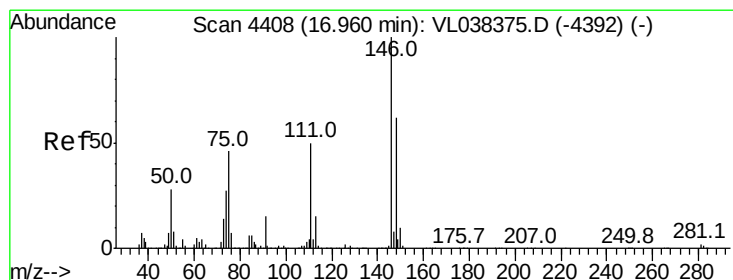
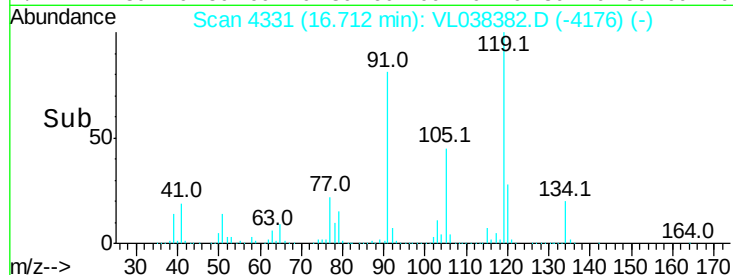
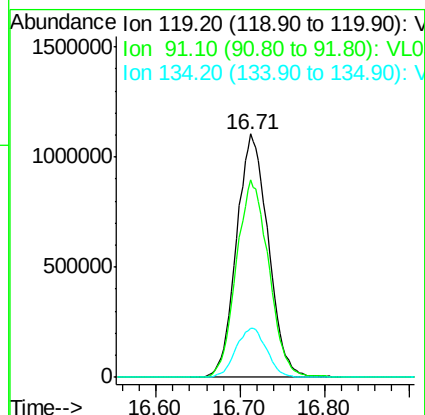
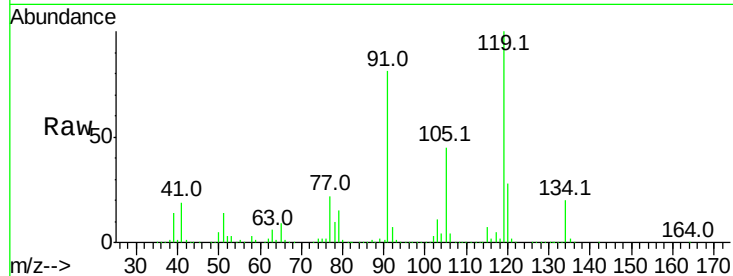
Tgt Ion: 120 Resp: 837586  
 Ion Ratio Lower Upper  
 120 100  
 91 495.5 388.1 582.1





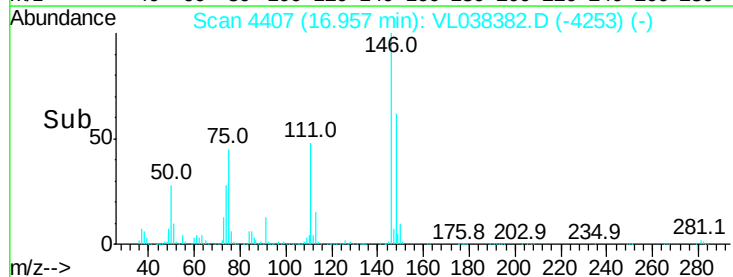
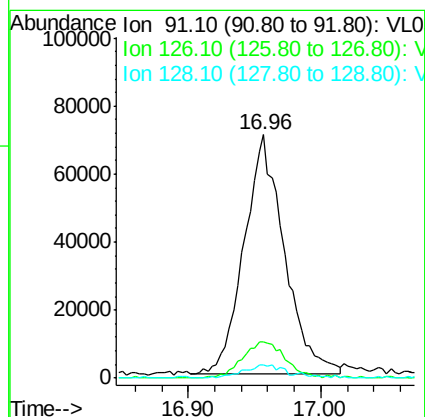
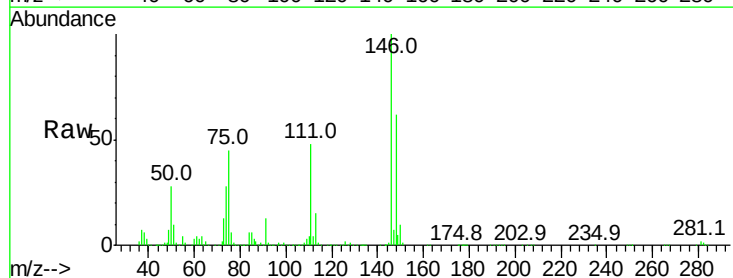
#65  
 tert-Butylbenzene  
 Concen: 7.93 ppbv  
 RT: 16.71 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

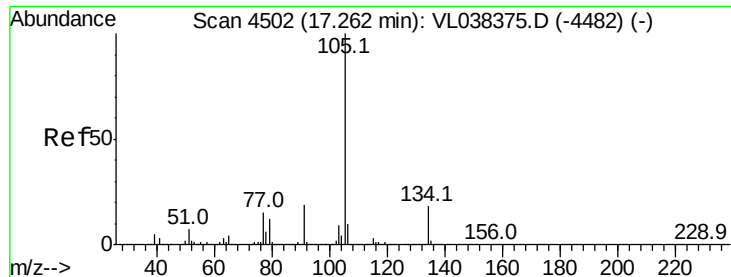
Tgt Ion: 119 Resp: 2893020  
 Ion Ratio Lower Upper  
 119 100  
 91 83.1 68.0 102.0  
 134 19.6 15.8 23.8



#66  
 Benzyl Chloride  
 Concen: 7.56 ppbv  
 RT: 16.96 min Scan# 4407  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

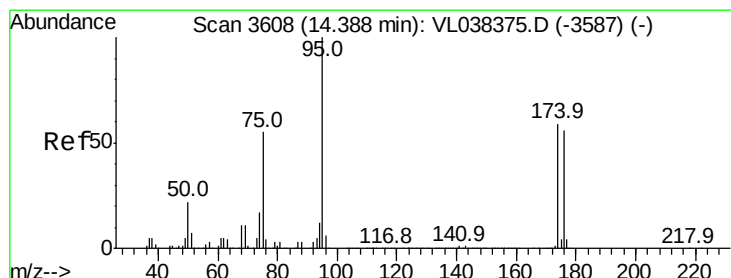
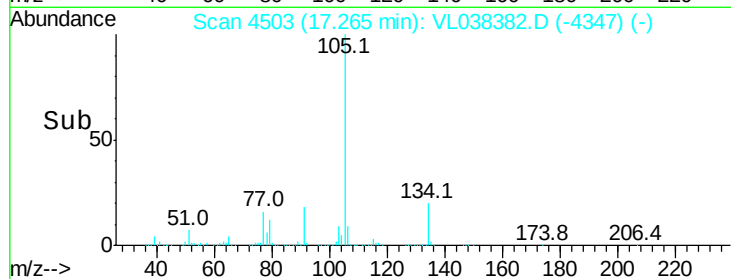
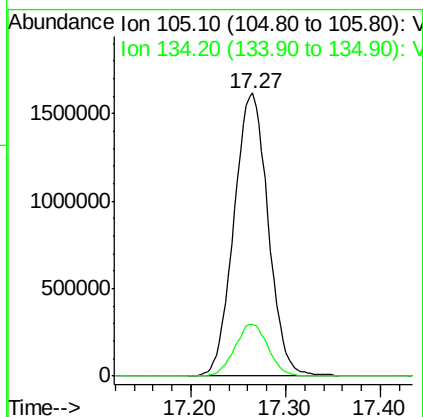
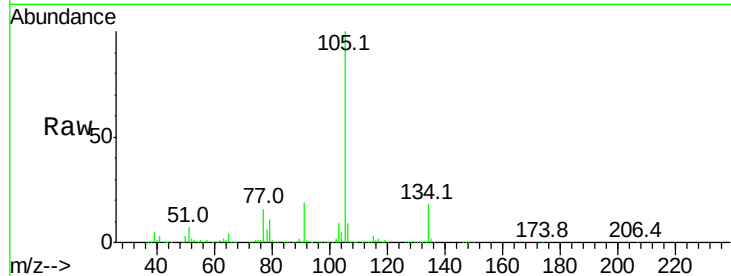
Tgt Ion: 91 Resp: 149022  
 Ion Ratio Lower Upper  
 91 100  
 126 17.0 12.3 18.5  
 128 6.9 4.2 6.4#





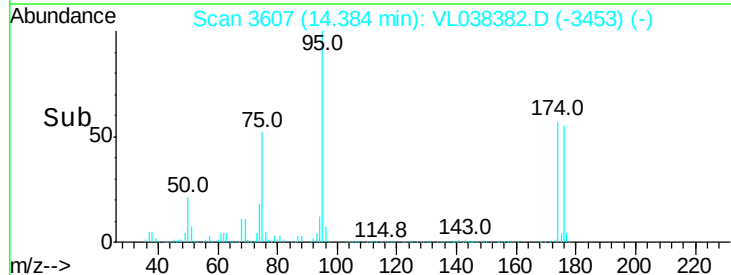
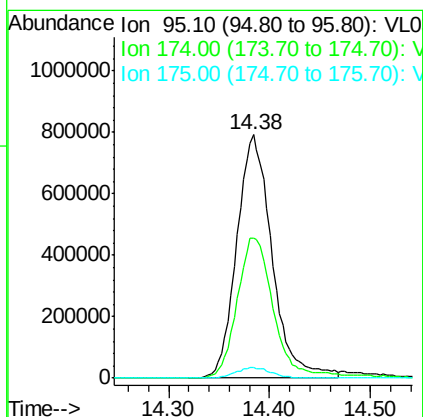
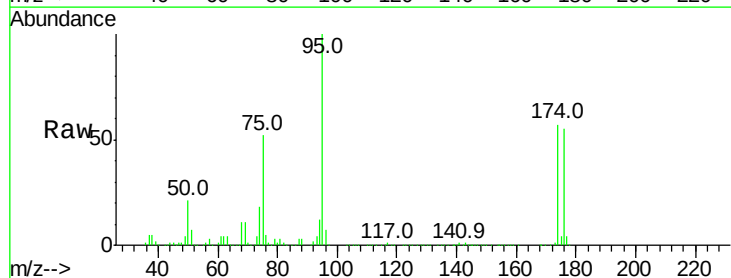
#67  
 sec-Butylbenzene  
 Concen: 7.84 ppbv  
 RT: 17.27  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 22 Feb 2022 9:08

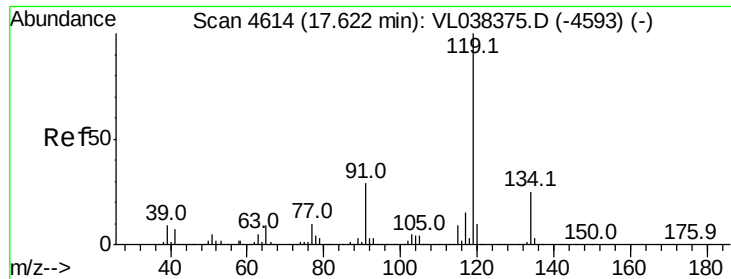
Tgt Ion: 105 Resp: 4052727  
 Ion Ratio Lower Upper  
 105 100  
 134 18.0 14.6 21.8



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 8.24 ppbv  
 RT: 14.38 min Scan# 3607  
 Delta R.T.: -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion: 95 Resp: 1926159  
 Ion Ratio Lower Upper  
 95 100  
 174 60.9 49.0 73.4  
 175 4.6 3.6 5.4





#69

p-Isopropyltoluene

Concen: 8.21 ppbv

RT: 17.62

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

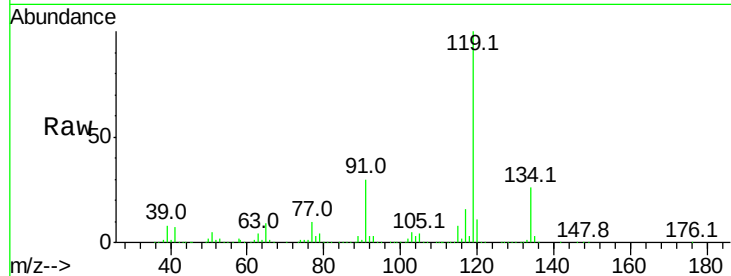
Tgt Ion: 119 Resp: 3332726

Ion Ratio Lower Upper

119 100

134 25.6 20.4 30.6

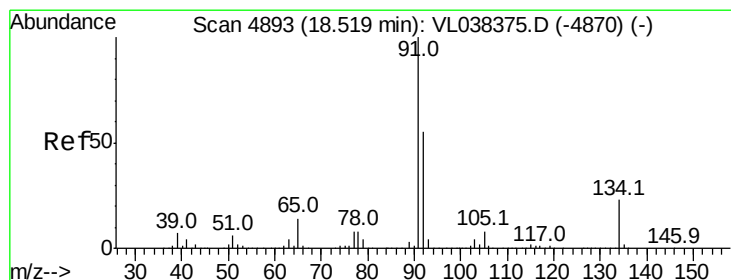
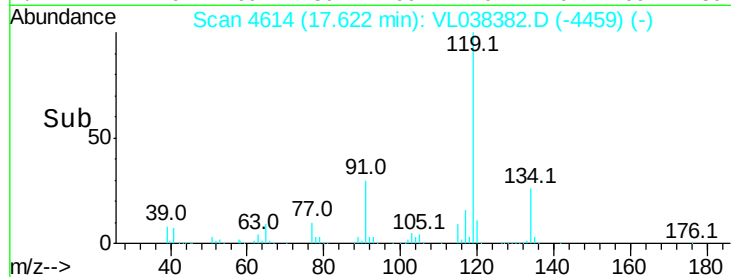
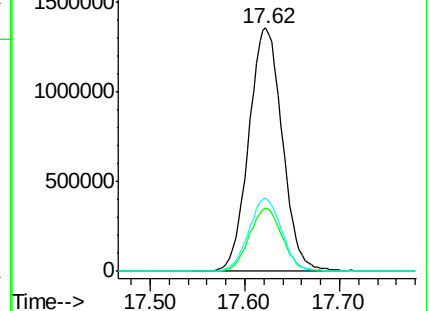
91 29.8 23.8 35.8



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



#70

n-Butylbenzene

Concen: 8.39 ppbv

RT: 18.52 min Scan# 4893

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

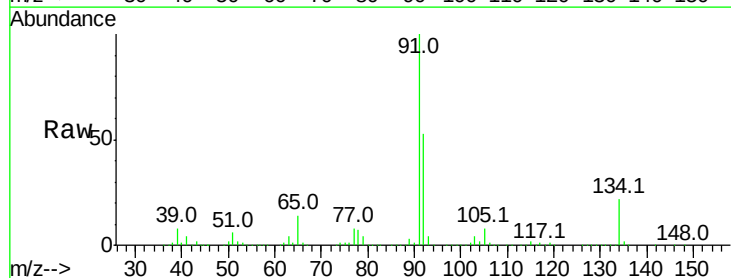
Tgt Ion: 91 Resp: 3522801

Ion Ratio Lower Upper

91 100

92 54.0 43.1 64.7

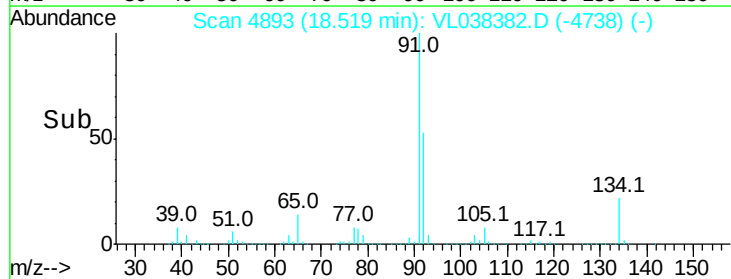
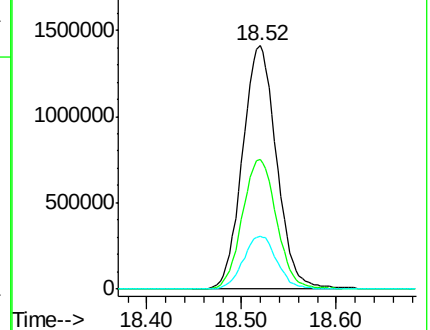
134 21.7 17.4 26.0

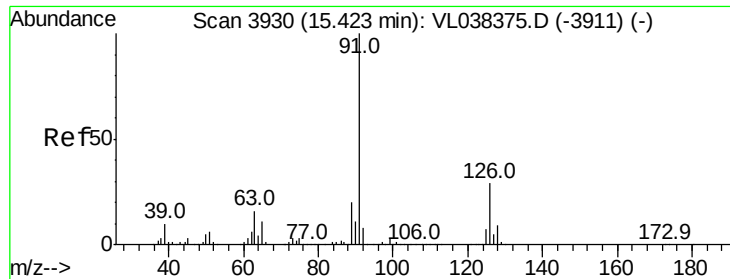


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

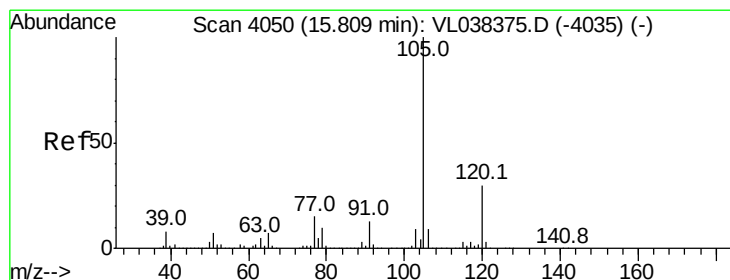
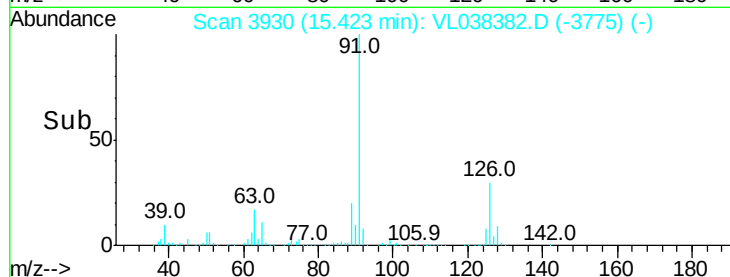
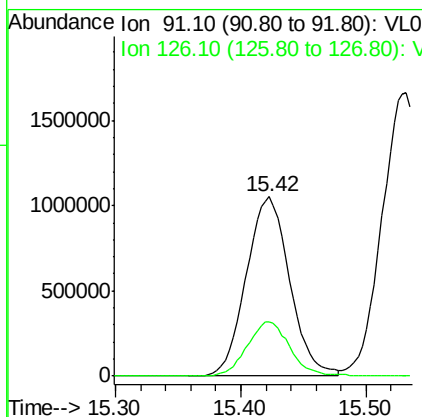
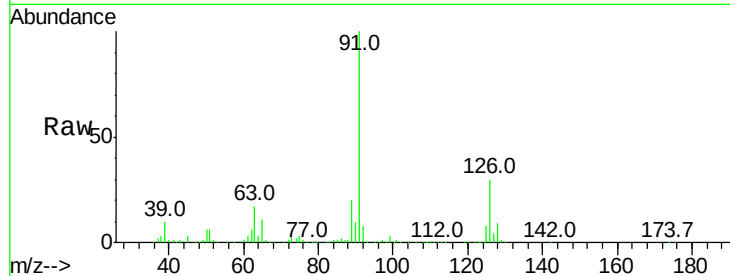
Ion 134.20 (133.90 to 134.90): V





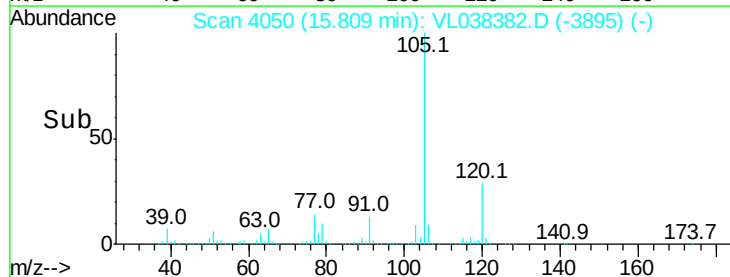
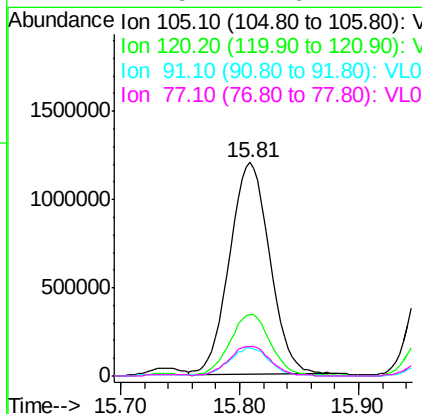
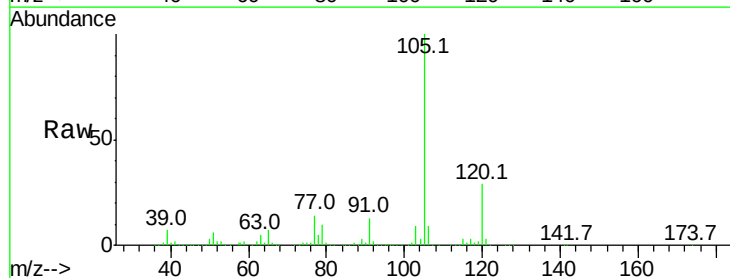
#71  
 2-Chlorotoluene  
 Concen: 7.82 ppbv  
 RT: 15.42 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampled :  
 Acq: 22 Feb 2022 9:08

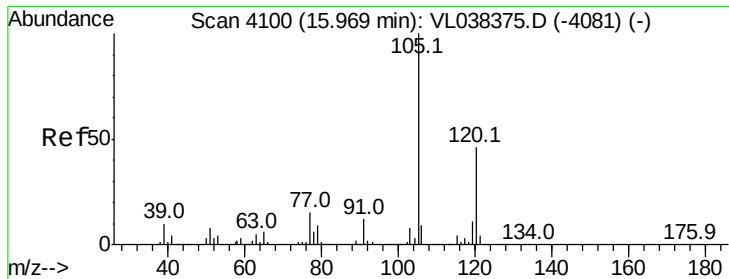
Tgt Ion: 91 Resp: 2530395  
 Ion Ratio Lower Upper  
 91 100  
 126 30.7 11.9 47.7



#72  
 4-Ethyltoluene  
 Concen: 8.18 ppbv  
 RT: 15.81 min Scan# 4050  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

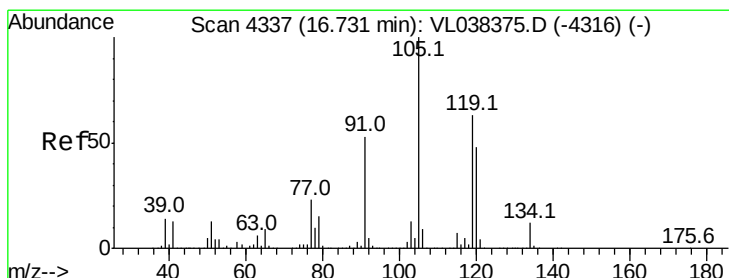
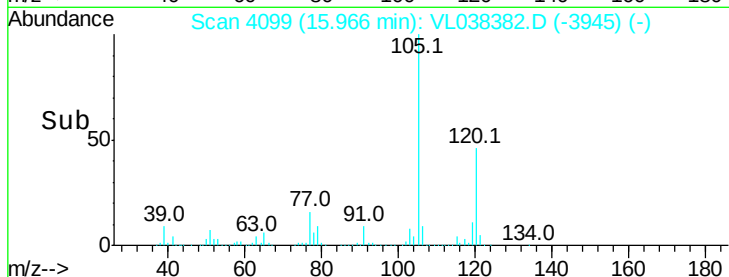
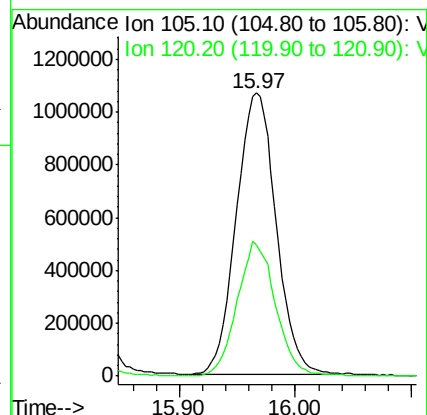
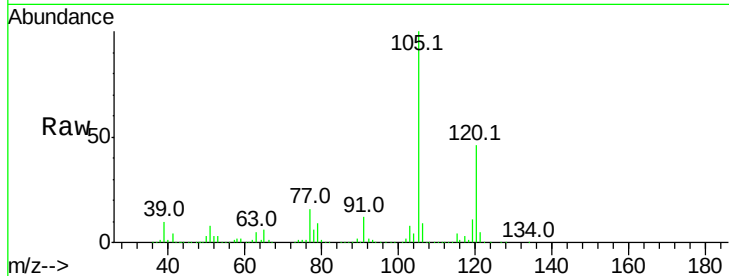
Tgt Ion: 105 Resp: 2828452  
 Ion Ratio Lower Upper  
 105 100  
 120 29.9 23.4 35.2  
 91 12.9 10.4 15.6  
 77 14.5 11.6 17.4





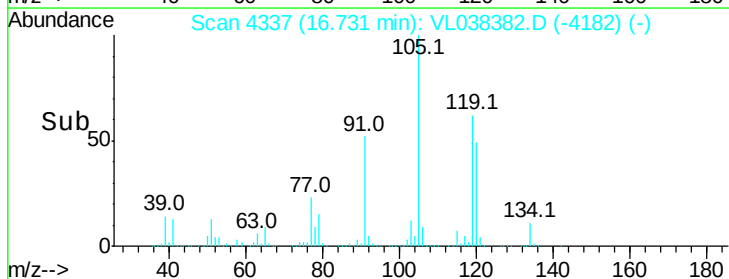
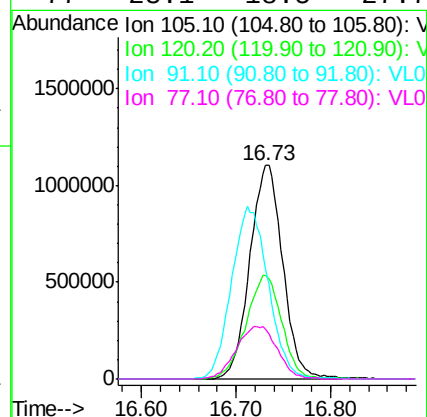
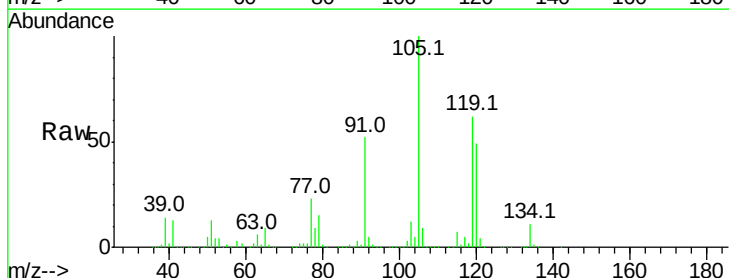
#73  
 1,3,5-Trimethylbenzene  
 Concen: 8.12 ppbv  
 RT: 15.97 min  
 Delta R.T. MSVOA\_1  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 2549254  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 36.6 55.0

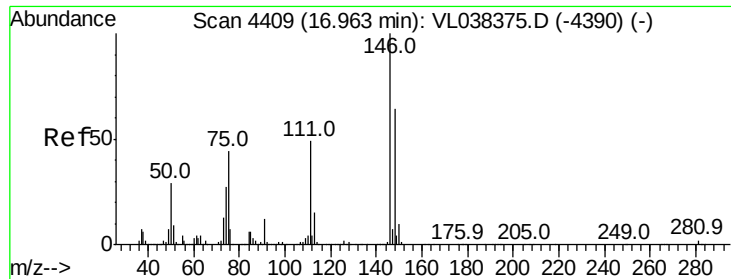


#74  
 1,2,4-Trimethylbenzene  
 Concen: 8.06 ppbv  
 RT: 16.73 min Scan# 4337  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion:105 Resp: 2670234  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 38.2 57.4  
 91 51.5 42.7 64.1  
 77 23.1 18.5 27.7

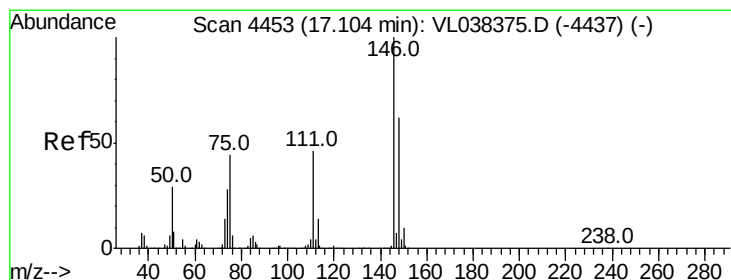
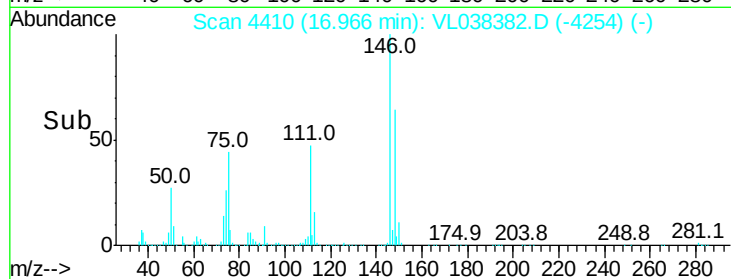
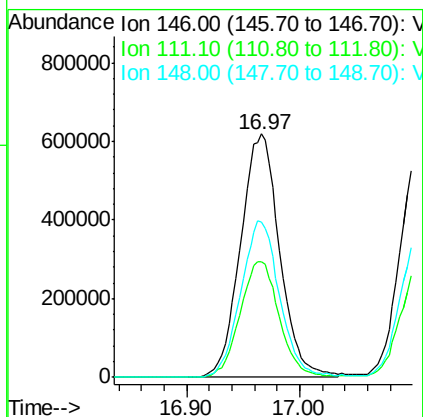
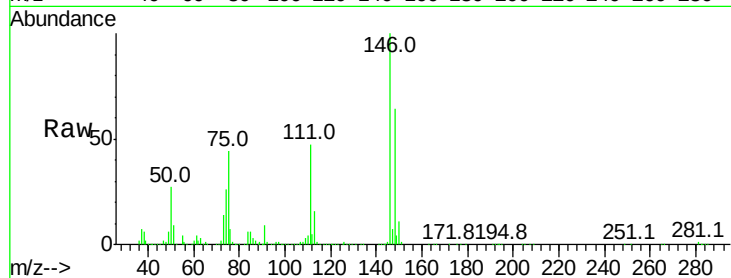






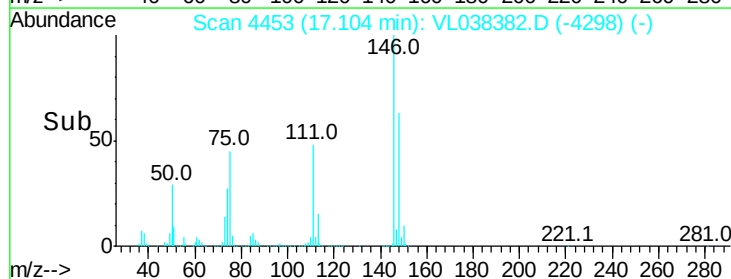
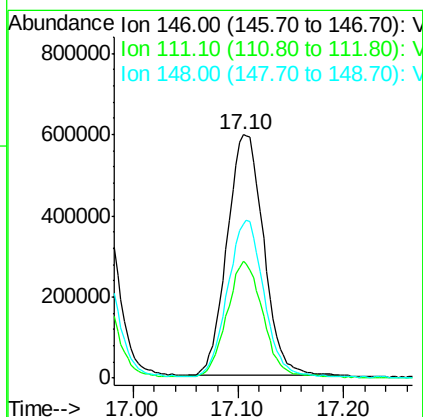
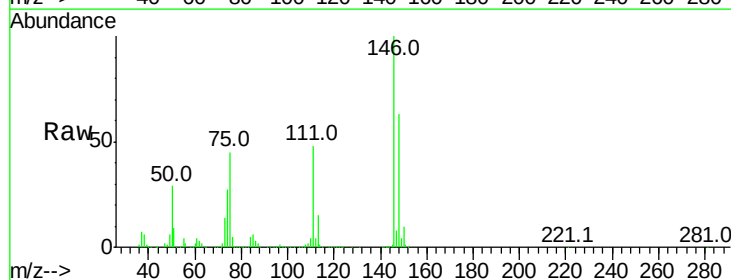
#75  
 1,3-Dichlorobenzene  
 Concen: 8.02 ppbv  
 RT: 16.97  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 22 Feb 2022 9:08

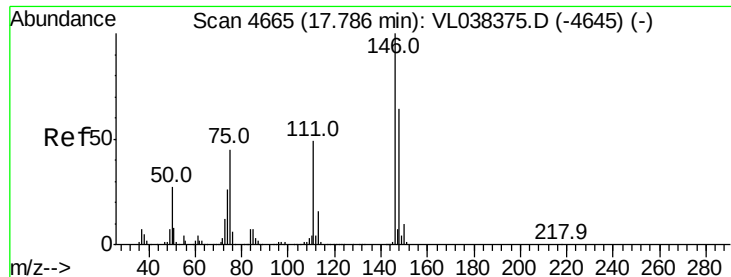
Tgt Ion:146 Resp: 1488677  
 Ion Ratio Lower Upper  
 146 100  
 111 47.9 24.3 72.9  
 148 63.8 32.0 96.0



#76  
 1,4-Dichlorobenzene  
 Concen: 7.80 ppbv  
 RT: 17.10 min Scan# 4453  
 Delta R.T. -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

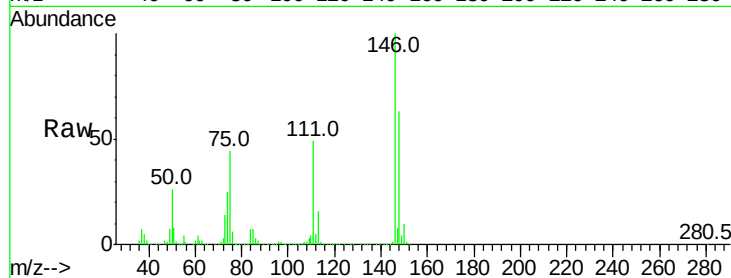
Tgt Ion:146 Resp: 1426839  
 Ion Ratio Lower Upper  
 146 100  
 111 48.7 24.1 72.2  
 148 66.8 32.8 98.4



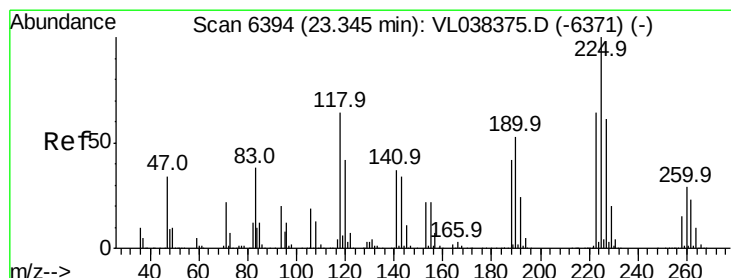
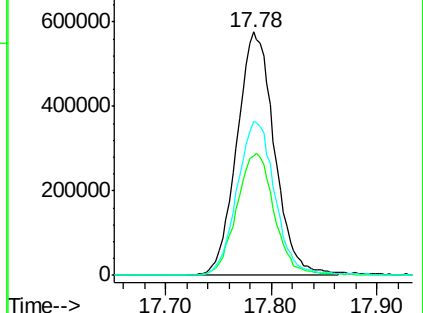
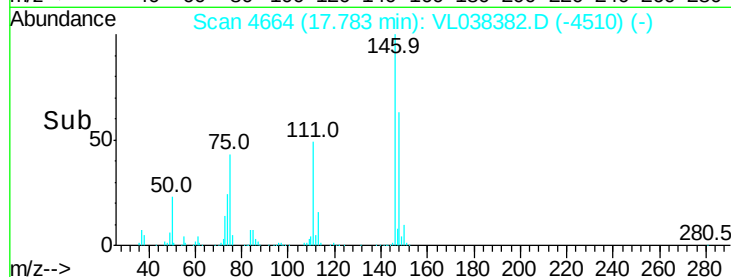


#77  
 1,2-Dichlorobenzene  
 Concen: 7.92 ppbv  
 RT: 17.78 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08

Tgt Ion:146 Resp: 1415638  
 Ion Ratio Lower Upper  
 146 100  
 111 50.4 25.6 76.6  
 148 64.3 32.4 97.2

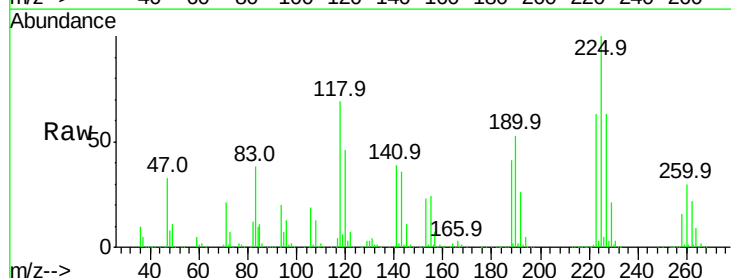


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.10 (110.80 to 111.80): V  
 Ion 148.00 (147.70 to 148.70): V

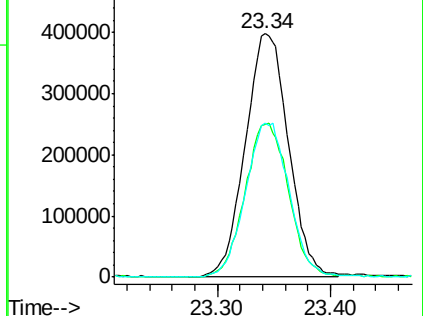
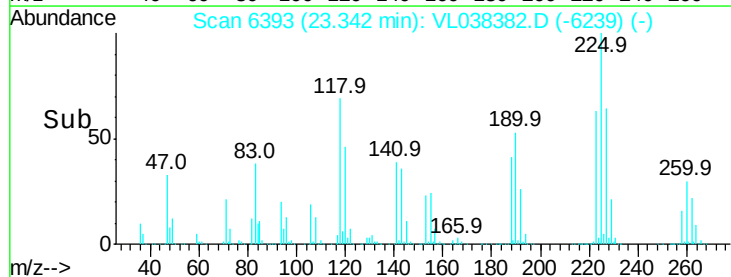


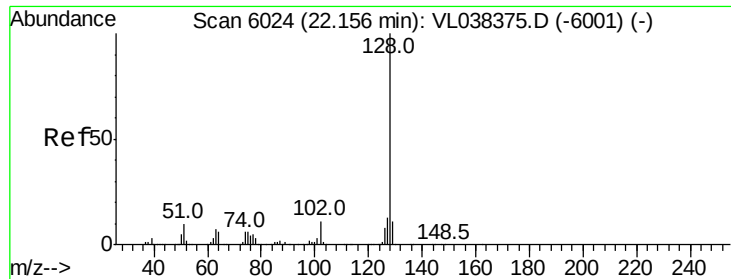
#78  
 Hexachloro-1,3-Butadiene  
 Concen: 7.72 ppbv  
 RT: 23.34 min Scan# 6393  
 Delta R.T.: -0.00 min  
 Lab File: VL038382.D  
 Acq: 22 Feb 2022 9:08

Tgt Ion:225 Resp: 1051481  
 Ion Ratio Lower Upper  
 225 100  
 223 64.4 52.0 78.0  
 227 64.1 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V  
 Ion 222.90 (222.60 to 223.60): V  
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.99 ppbv

RT: 22.16

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 9:08

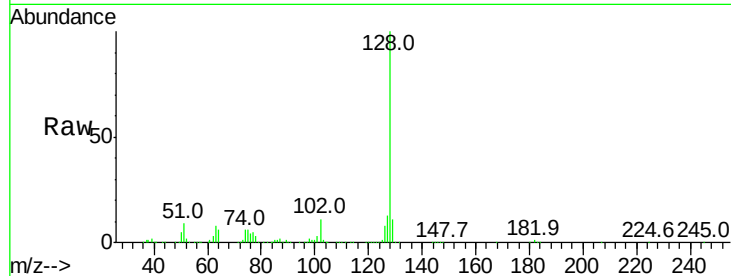
Tgt Ion:128 Resp: 1973815

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

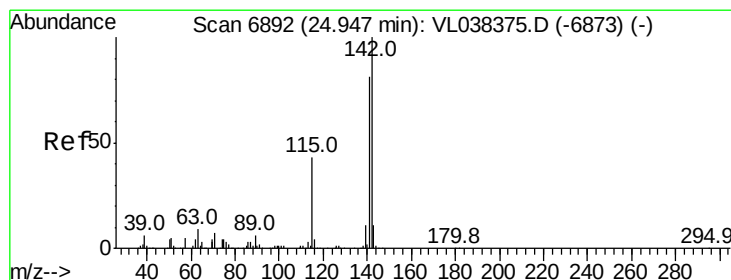
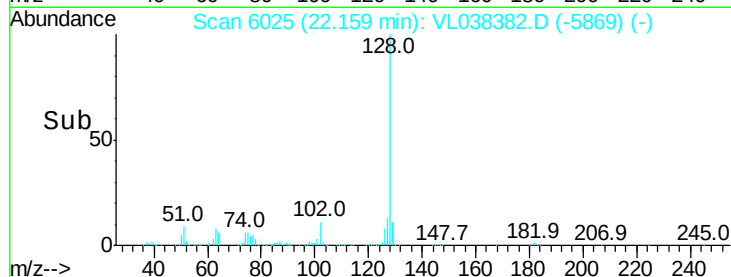
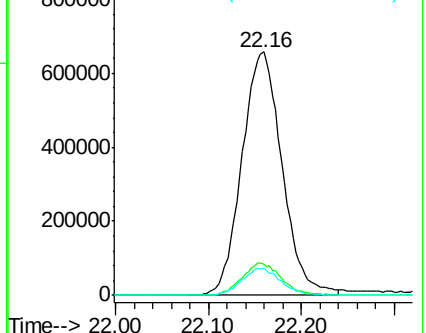
129 11.3 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.34 ppbv

RT: 24.95 min Scan# 6892

Delta R.T. -0.00 min

Lab File: VL038382.D

Acq: 22 Feb 2022 9:08

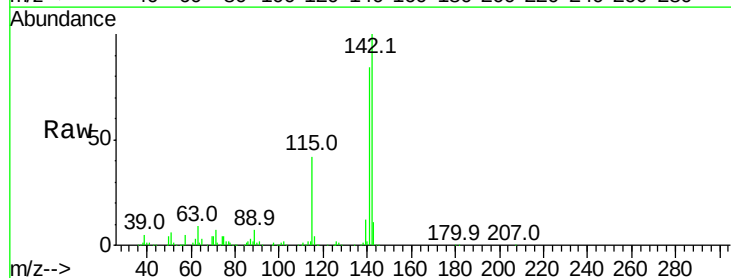
Tgt Ion:142 Resp: 432968

Ion Ratio Lower Upper

142 100

141 83.6 69.8 104.6

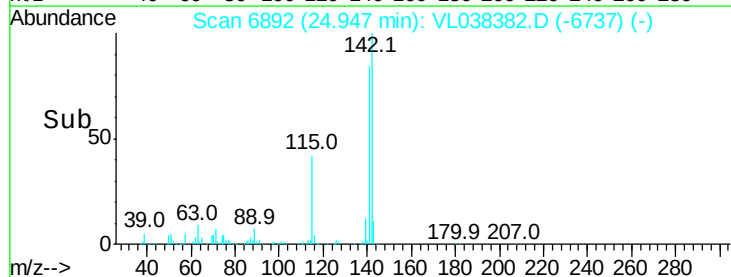
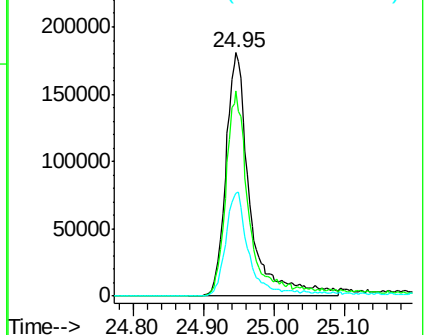
115 43.4 33.0 49.6

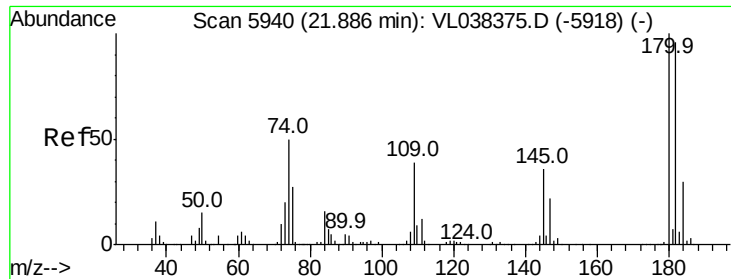


Abundance Ion 142.00 (141.70 to 142.70): V

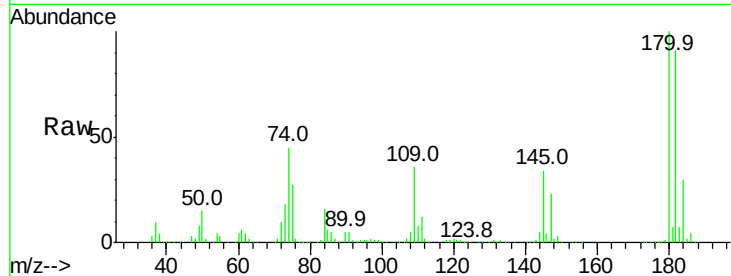
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.01 ppbv  
 RT: 21.89  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 22 Feb 2022 9:08



Tgt Ion:180 Resp: 1086108

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 100.4 | 77.4  | 116.2 |
| 184 | 31.7  | 24.9  | 37.3  |

