

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\  
 Data File : VL038927.D  
 Acq On : 14 Apr 2022 21:24  
 Operator : SY/AP  
 Sample : N2259-01DUP  
 Misc : 400mL/MSVOA L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 1165-19-SG-1DUP

Quant Time: Apr 15 08:08:09 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
 QLast Update : Wed Apr 06 06:12:53 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1109235  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2594257  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2245332  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 1817504  | 10.67    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 106.70% |

## Target Compounds

|                            |       |     |          |         | Ovalue     |
|----------------------------|-------|-----|----------|---------|------------|
| 2) Dichlorodifluoromethane | 3.06  | 85  | 34015    | 0.216   | ppbv 94    |
| 3) Chlorodifluoromethane   | 2.97  | 51  | 1007605  | 7.443   | ppbv # 63  |
| 4) Chloromethane           | 3.15  | 50  | 35041    | 0.500   | ppbv 98    |
| 9) Propene                 | 3.03  | 41  | 119912   | 1.674   | ppbv # 74  |
| 10) Heptane                | 8.13  | 43  | 1279064  | 7.090   | ppbv 97    |
| 11) Trichlorofluoromethane | 3.95  | 101 | 360903   | 2.855   | ppbv 99    |
| 13) Ethanol                | 3.60  | 45  | 589511   | 135.438 | ppbv # 100 |
| 15) Acetone                | 3.85  | 43  | 16993973 | 153.883 | ppbv # 86  |
| 16) 1,3-Butadiene          | 3.31  | 39  | 18625    | 0.295   | ppbv # 65  |
| 17) tert-Butyl alcohol     | 4.13  | 59  | 9659     | 0.098   | ppbv # 1   |
| 19) Isopropyl Alcohol      | 3.97  | 45  | 320271   | 5.674   | ppbv # 100 |
| 20) Methylene Chloride     | 4.35  | 84  | 434257   | 10.843  | ppbv 97    |
| 23) Vinyl Acetate          | 5.06  | 43  | 40605    | 0.378   | ppbv # 2   |
| 25) Ethyl Acetate          | 5.69  | 43  | 397389   | 1.418   | ppbv # 89  |
| 26) Hexane                 | 5.69  | 57  | 358231   | 2.809   | ppbv # 54  |
| 30) Cyclohexane            | 7.13  | 84  | 37007    | 0.329   | ppbv 95    |
| 31) cis-1,2-Dichloroethene | 5.67  | 61  | 7064     | 0.060   | ppbv # 33  |
| 34) 2-Butanone             | 5.25  | 43  | 139214   | 1.358   | ppbv # 90  |
| 35) Carbon Tetrachloride   | 7.02  | 117 | 6100     | 0.039   | ppbv 95    |
| 36) Benzene                | 6.90  | 78  | 139245   | 0.590   | ppbv 95    |
| 39) 1,2-Dichloropropane    | 7.18  | 63  | 700989   | 7.766   | ppbv # 26  |
| 41) Tetrahydrofuran        | 6.32  | 42  | 10738    | 0.110   | ppbv # 37  |
| 42) Bromodichloromethane   | 7.79  | 83  | 17539    | 0.103   | ppbv # 30  |
| 44) 2,2,4-Trimethylpentane | 7.87  | 57  | 133936   | 0.335   | ppbv # 1   |
| 50) 4-Methyl-2-Pentanone   | 8.75  | 43  | 232583   | 1.009   | ppbv 100   |
| 52) Tetrachloroethene      | 11.22 | 164 | 3061     | 0.037   | ppbv # 61  |
| 53) Toluene                | 9.81  | 91  | 9019651  | 33.107  | ppbv 97    |
| 58) Ethyl Benzene          | 12.71 | 91  | 338512   | 1.009   | ppbv 92    |
| 59) m/p-Xylene             | 12.97 | 91  | 957566   | 3.397   | ppbv 98    |
| 60) o-Xylene               | 13.69 | 91  | 349954   | 1.327   | ppbv 97    |
| 61) Styrene                | 13.53 | 104 | 8856     | 0.055   | ppbv # 1   |
| 62) Isopropylbenzene       | 14.67 | 105 | 36789    | 0.093   | ppbv # 84  |
| 64) n-propylbenzene        | 15.56 | 120 | 7756     | 0.075   | ppbv # 1   |
| 65) tert-Butylbenzene      | 16.74 | 119 | 18465    | 0.053   | ppbv # 21  |
| 67) sec-Butylbenzene       | 17.30 | 105 | 25940    | 0.053   | ppbv # 58  |
| 70) n-Butylbenzene         | 18.55 | 91  | 82369    | 0.202   | ppbv # 51  |
| 71) 2-Chlorotoluene        | 15.56 | 91  | 204811   | 0.688   | ppbv # 43  |
| 72) 4-Ethyltoluene         | 15.83 | 105 | 112605   | 0.358   | ppbv # 60  |
| 73) 1,3,5-Trimethylbenzene | 16.00 | 105 | 192531   | 0.680   | ppbv 91    |
| 74) 1,2,4-Trimethylbenzene | 16.76 | 105 | 689789   | 2.306   | ppbv # 69  |
| 79) Naphthalene            | 22.19 | 128 | 6967     | 0.031   | ppbv # 65  |

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Acq On : 14 Apr 2022 21:24  
Operator : SY/AP  
Sample : N2259-01DUP  
Misc : 400mL/MSVOA L  
ALS Vial : 6 Sample Multiplier: 1

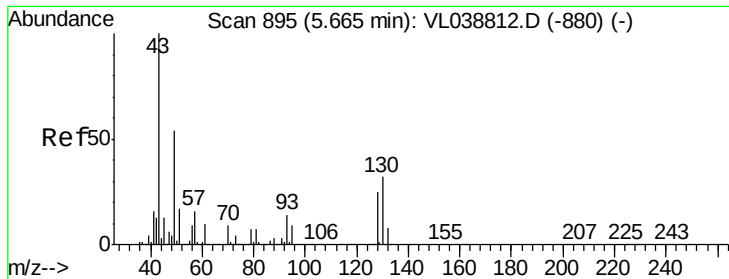
Instrument :  
MSVOA\_L  
ClientSampleId :  
1165-19-SG-1DUP

Quant Time: Apr 15 08:08:09 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
QLast Update : Wed Apr 06 06:12:53 2022  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 80) Naphthalene,2-methyl- | 24.97 | 142  | 4755     | 0.086 | ppbv  | # 1      |

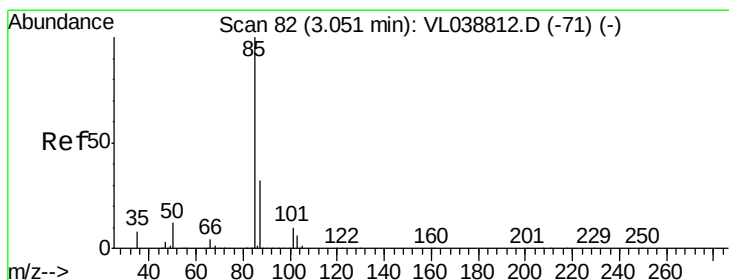
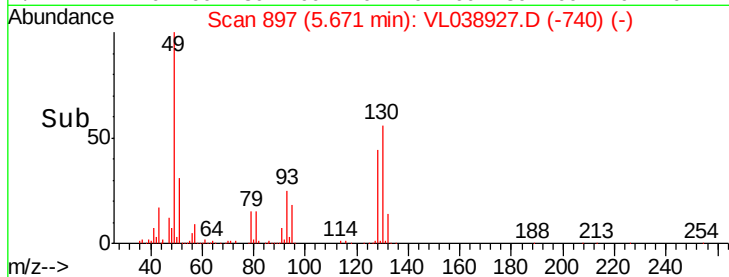
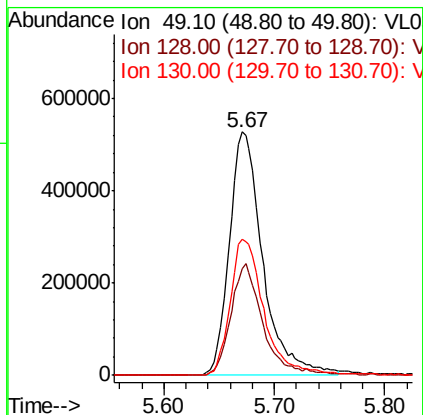
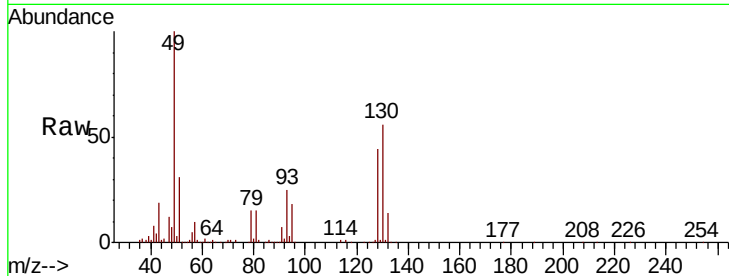
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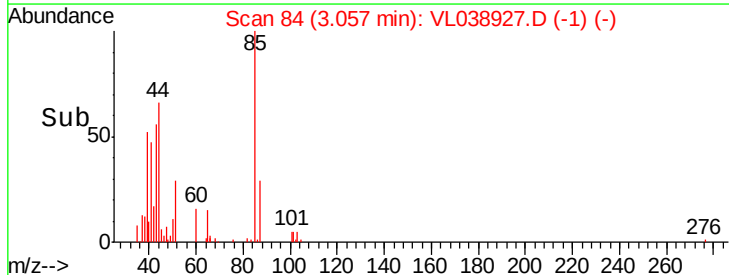
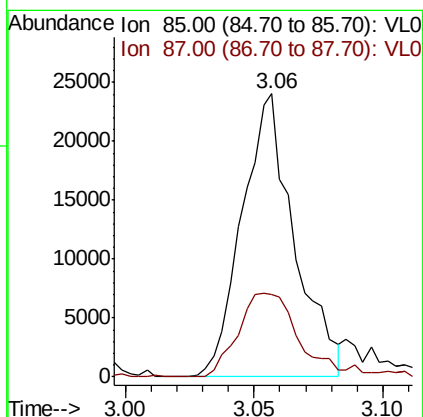
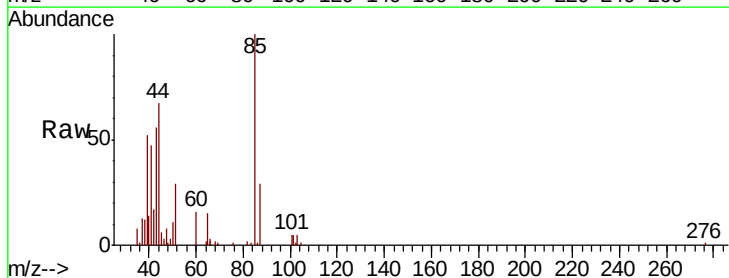
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.67  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId : 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

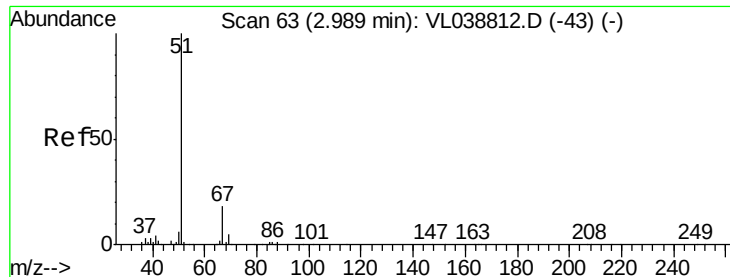
Tot Ion: 49 Resp: 1109235  
 Ion Ratio Lower Upper  
 49 100  
 128 44.8 24.1 72.3  
 130 57.7 30.9 92.8



#2  
 Dichlorodifluoromethane  
 Concen: 0.216 ppbv  
 RT: 3.06 min Scan# 84  
 Delta R.T. 0.01 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

Tgt Ion: 85 Resp: 34015  
 Ion Ratio Lower Upper  
 85 100  
 87 29.0 25.9 38.9





#3

Chlorodifluoromethane

Concen: 7.443 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

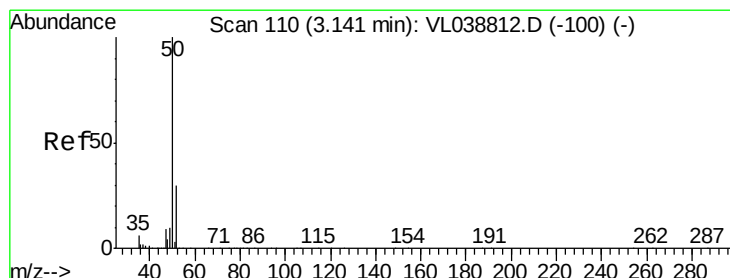
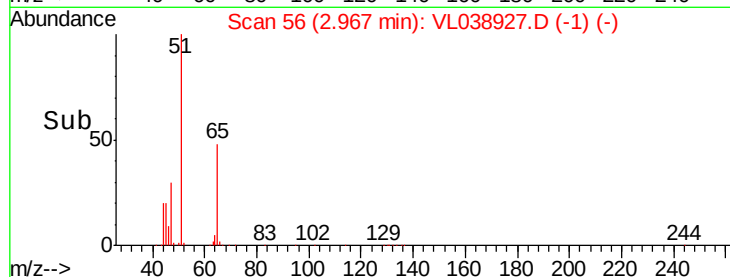
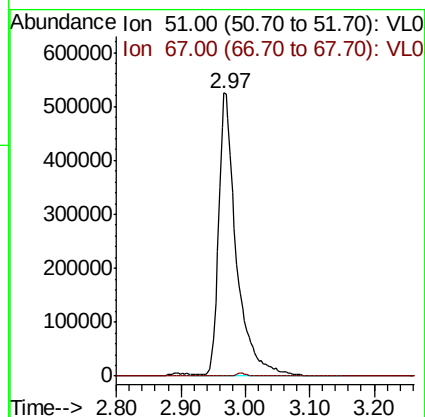
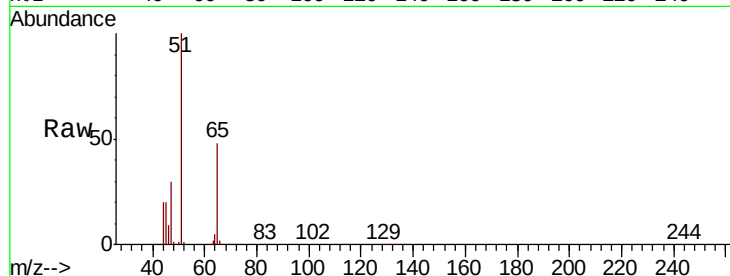
Acq: 14 Apr 2022 21:24 1165-19-SG-1DUP

Tot Ion: 51 Resp: 1007605

Ion Ratio Lower Upper

51 100

67 0.9 13.4 20.0#



#4

Chloromethane

Concen: 0.500 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038927.D

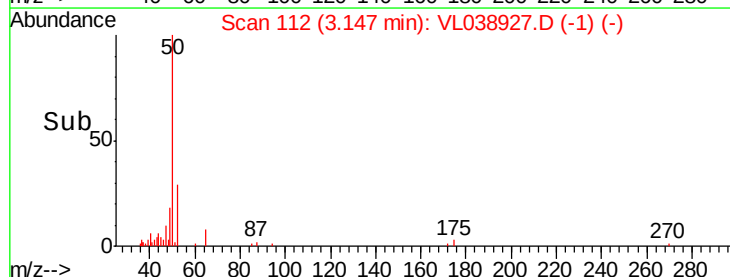
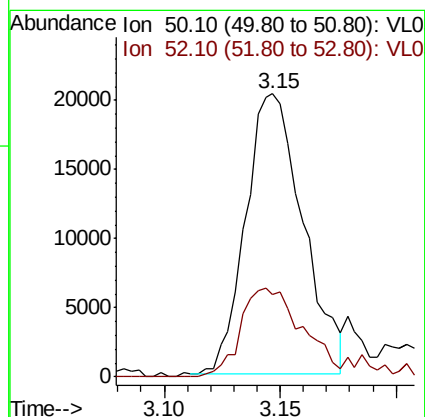
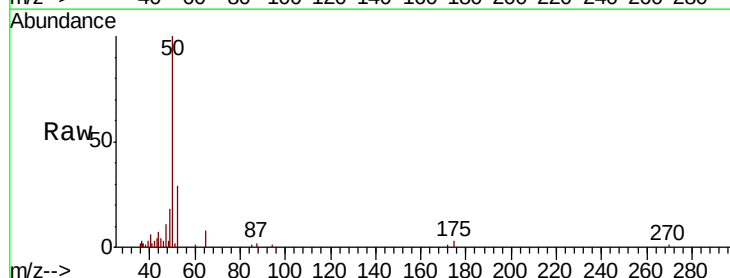
Acq: 14 Apr 2022 21:24

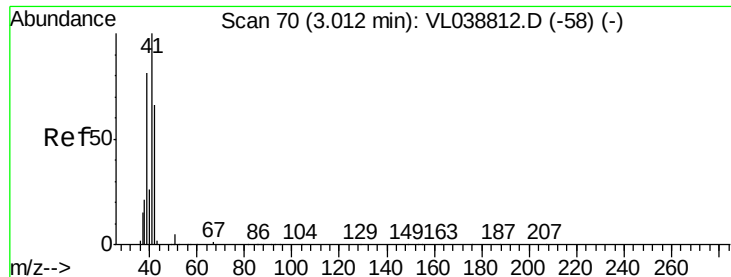
Tgt Ion: 50 Resp: 35041

Ion Ratio Lower Upper

50 100

52 29.5 24.3 36.5





#9

Propene

Concen: 1.674 ppbv

RT: 3.03

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

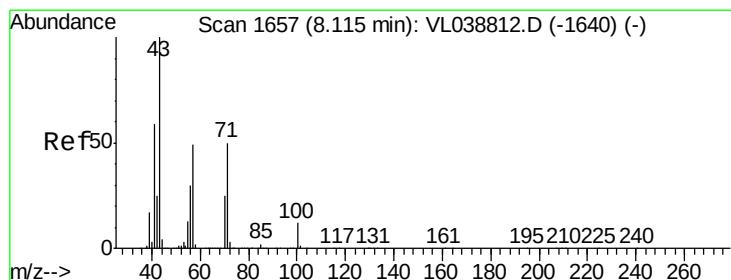
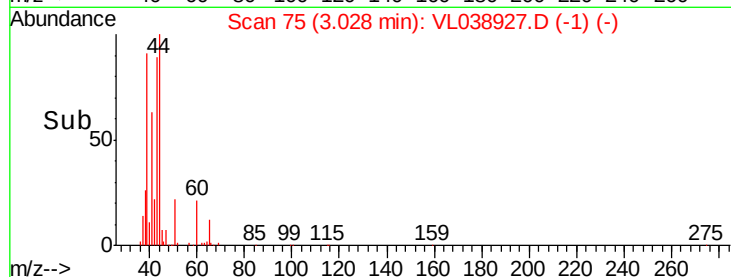
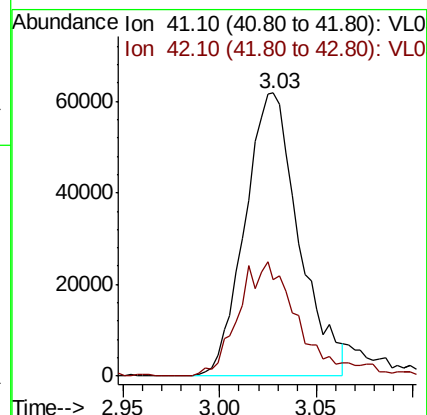
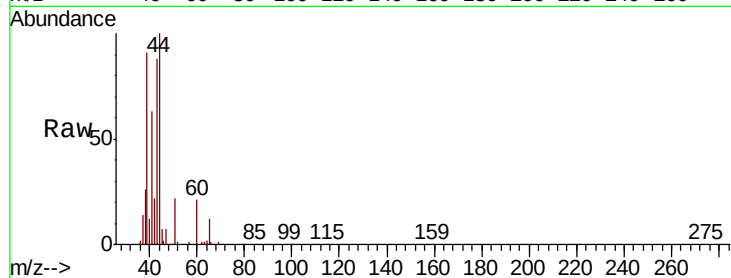
Acq: 14 Apr 2022 21:24

Tot Ion: 41 Resp: 119912

Ion Ratio Lower Upper

41 100

42 46.6 54.2 81.4#



#10

Heptane

Concen: 7.090 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VL038927.D

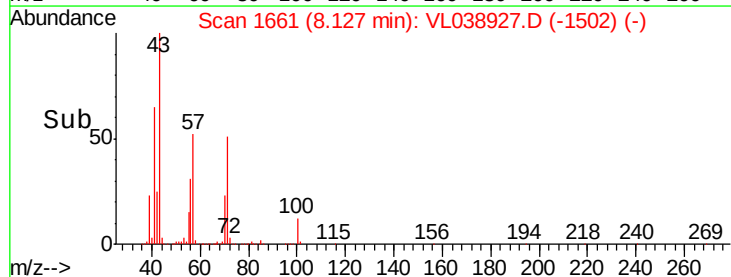
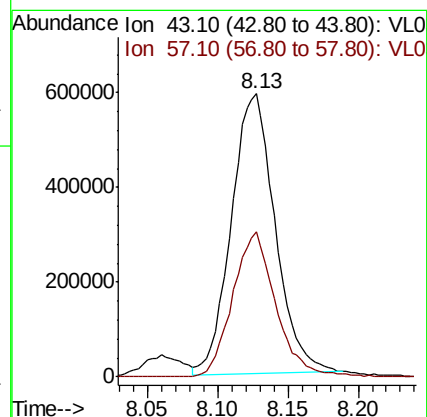
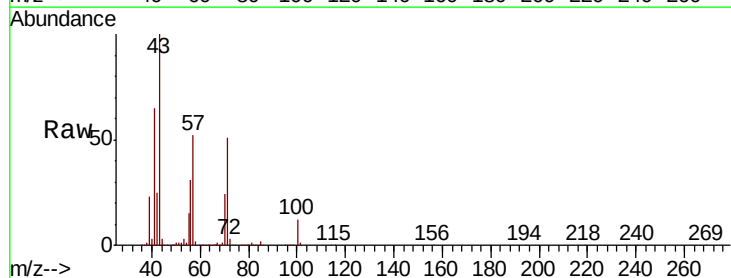
Acq: 14 Apr 2022 21:24

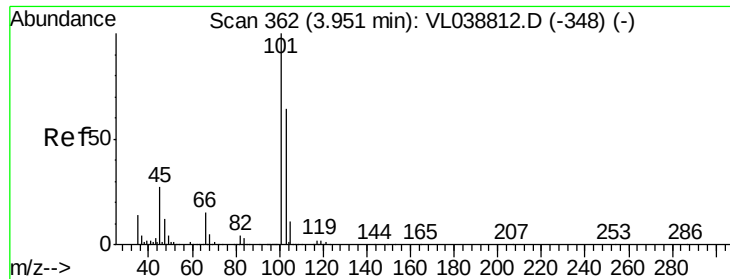
Tgt Ion: 43 Resp: 1279064

Ion Ratio Lower Upper

43 100

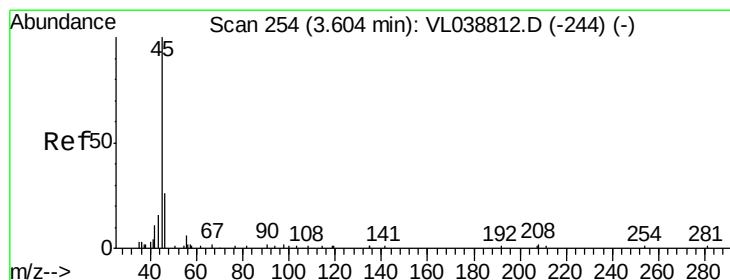
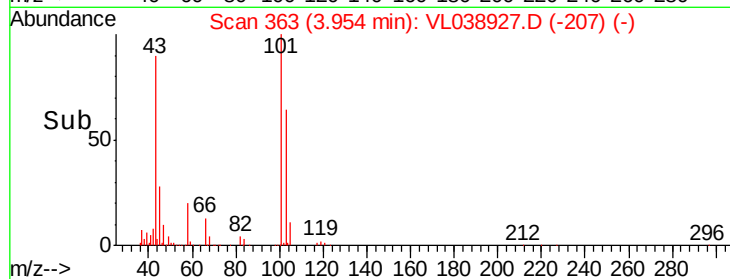
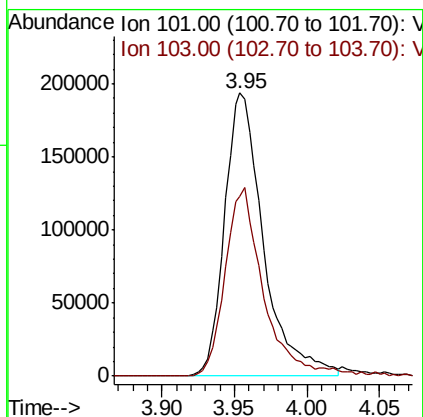
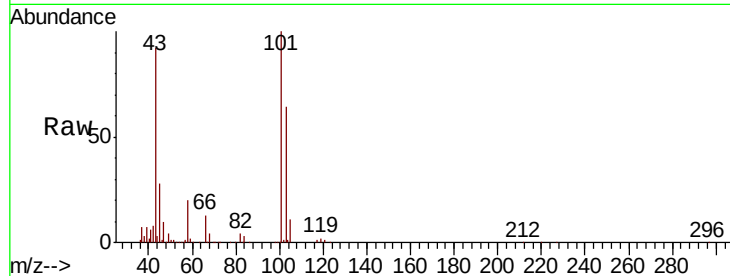
57 51.3 39.3 58.9





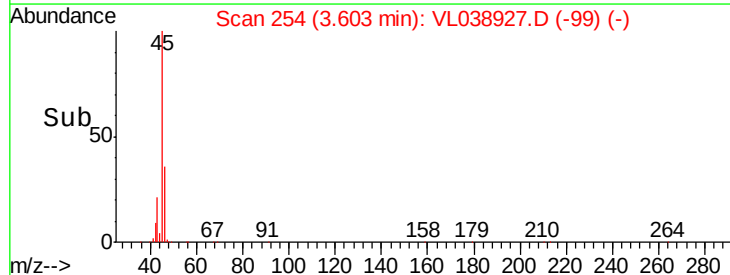
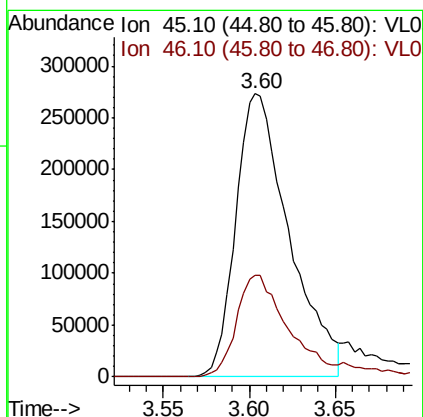
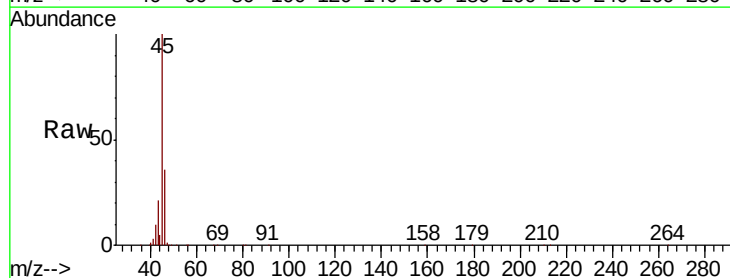
#11  
 Trichlorofluoromethane  
 Concen: 2.855 ppbv  
 RT: 3.95 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId : 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

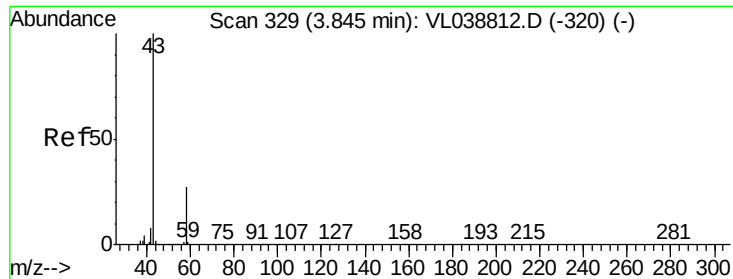
Tot Ion: 101 Resp: 360903  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 51.4 77.0



#13  
 Ethanol  
 Concen: 135.438 ppbv  
 RT: 3.60 min Scan# 254  
 Delta R.T.: -0.00 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

Tgt Ion: 45 Resp: 589511  
 Ion Ratio Lower Upper  
 45 100  
 46 40.2 0.0 0.0#





#15

Acetone

Concen: 153.883 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

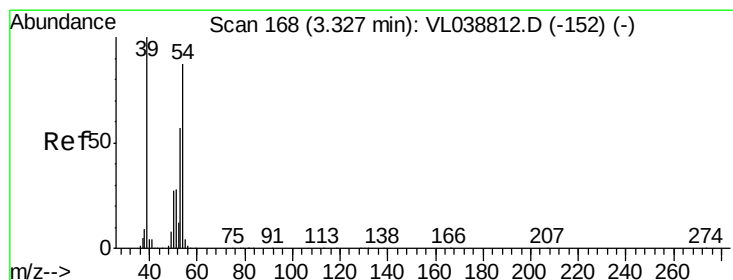
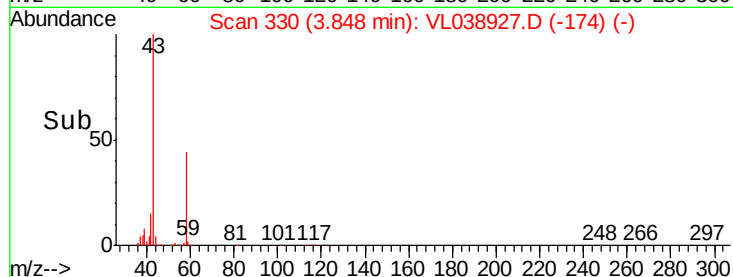
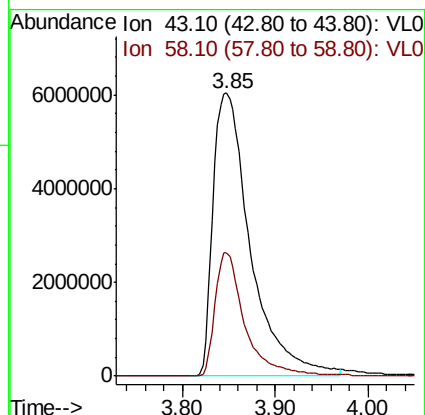
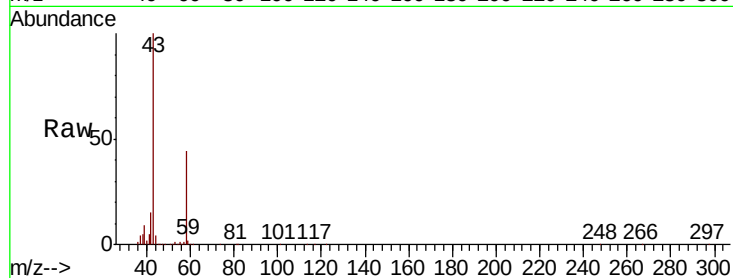
Acq: 14 Apr 2022 21:24

Tot Ion: 43 Resp: 16993973

Ion Ratio Lower Upper

43 100

58 35.4 22.5 33.7#



#16

1,3-Butadiene

Concen: 0.295 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL038927.D

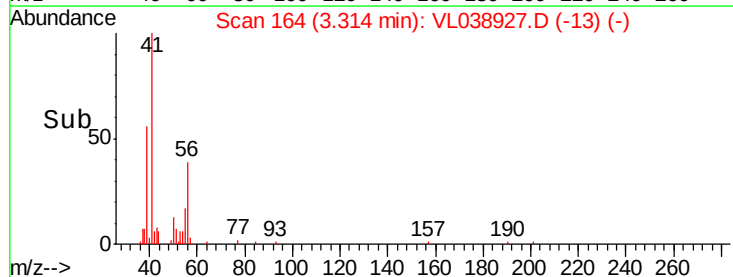
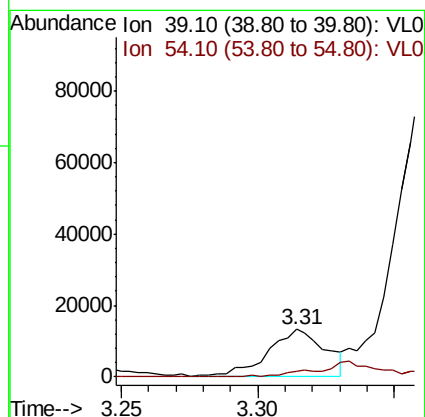
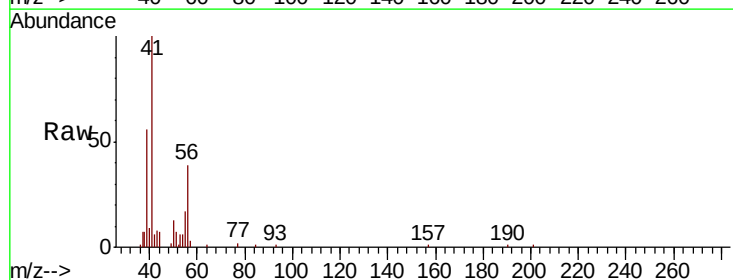
Acq: 14 Apr 2022 21:24

Tgt Ion: 39 Resp: 18625

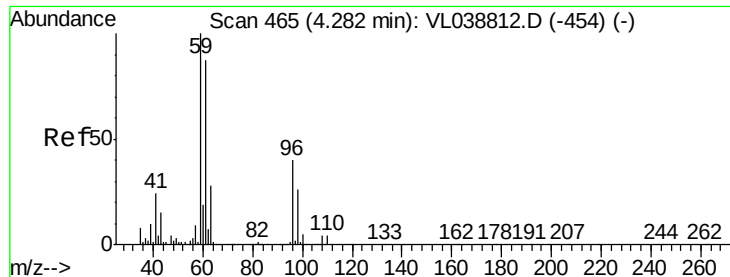
Ion Ratio Lower Upper

39 100

54 49.8 64.8 97.2#







#17

tert-Butyl alcohol

Concen: 0.098 ppbv

RT: 4.13 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

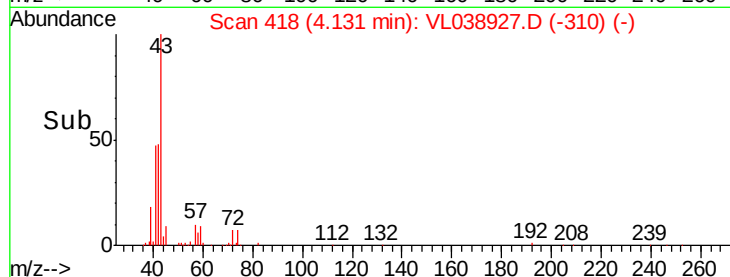
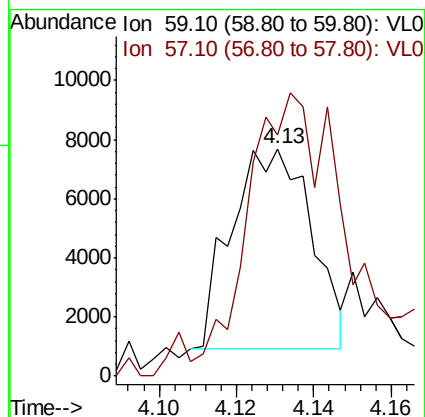
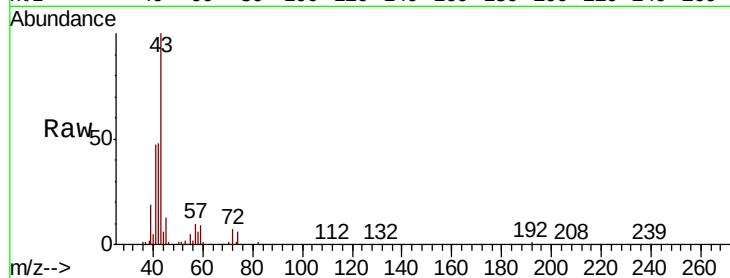
Acq: 14 Apr 2022 21:24 1165-19-SG-1DUP

Tot Ion: 59 Resp: 9659

Ion Ratio Lower Upper

59 100

57 196.6 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 5.674 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL038927.D

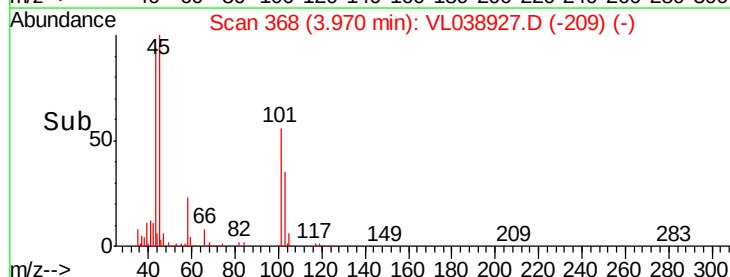
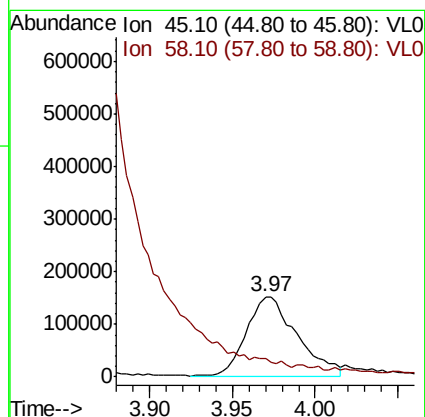
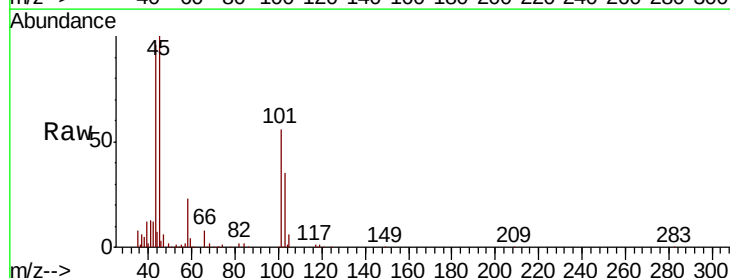
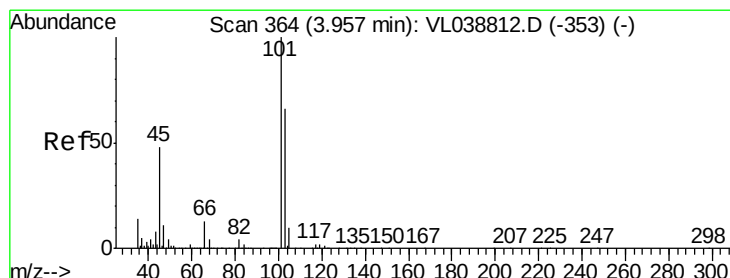
Acq: 14 Apr 2022 21:24

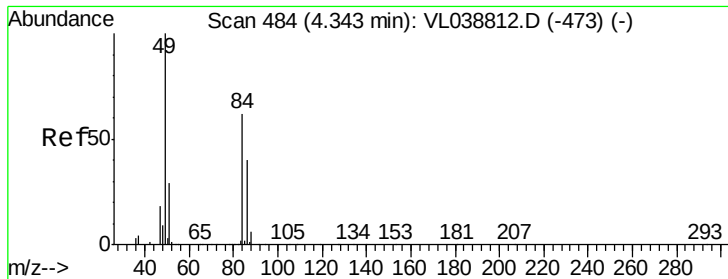
Tgt Ion: 45 Resp: 320271

Ion Ratio Lower Upper

45 100

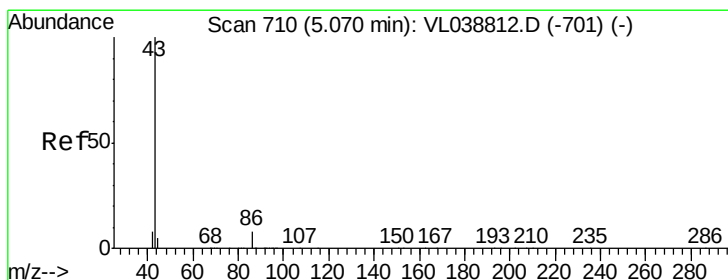
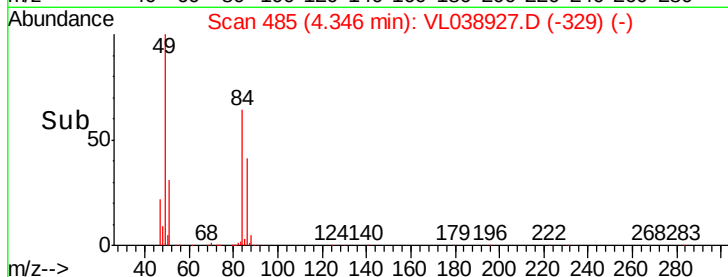
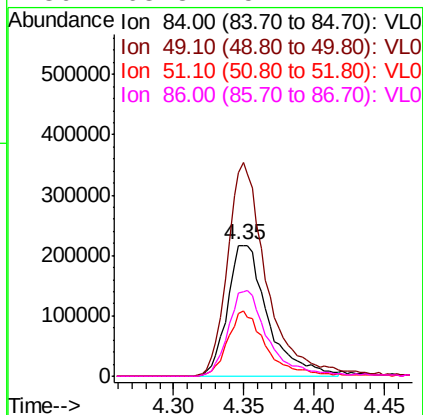
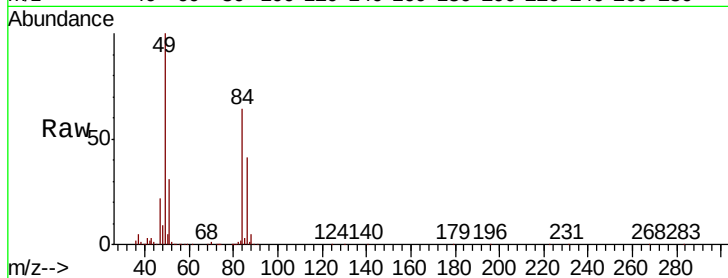
58 0.0 0.0 0.0





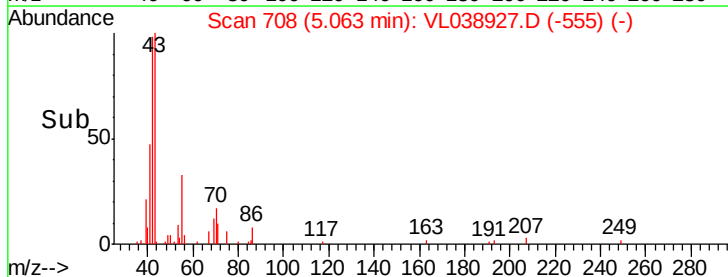
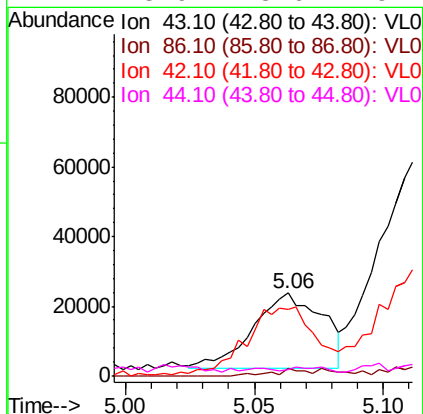
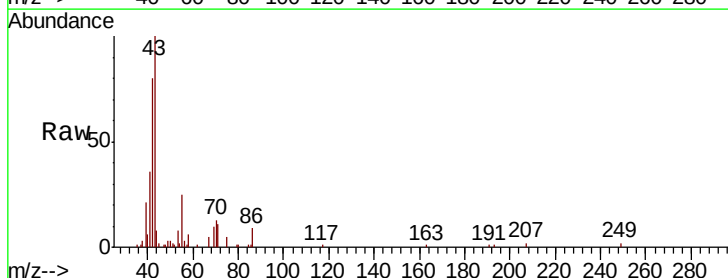
#20  
Methylene Chloride  
Concen: 10.843 ppbv  
RT: 4.35  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 14 Apr 2022 21:24

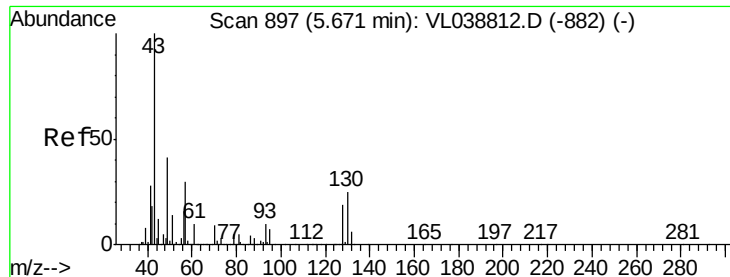
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 434257 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 155.4 | 129.4 | 194.0  |
| 51       | 47.4  | 37.4  | 56.2   |
| 86       | 63.8  | 51.4  | 77.2   |



#23  
Vinyl Acetate  
Concen: 0.378 ppbv  
RT: 5.06 min Scan# 708  
Delta R.T. -0.01 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

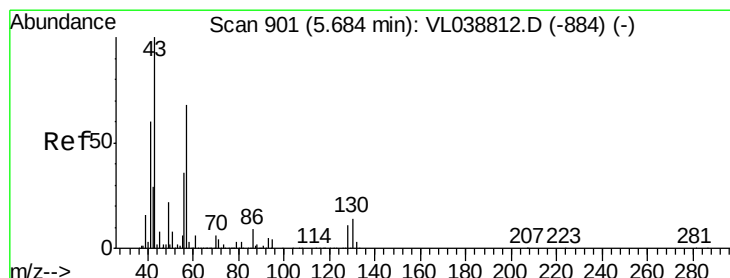
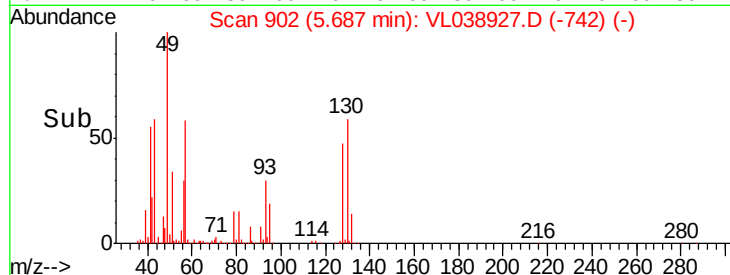
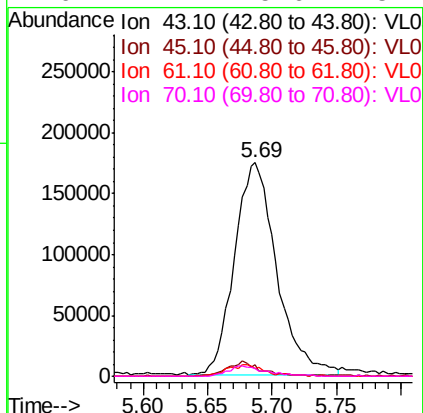
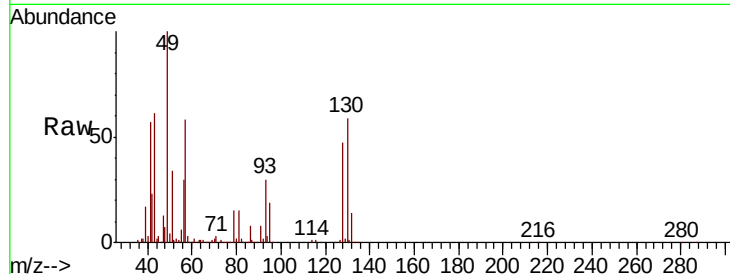
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 40605 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 9.8   | 5.8   | 8.6#  |
| 42       | 87.0  | 7.8   | 11.6# |
| 44       | 3.9   | 3.6   | 5.4   |





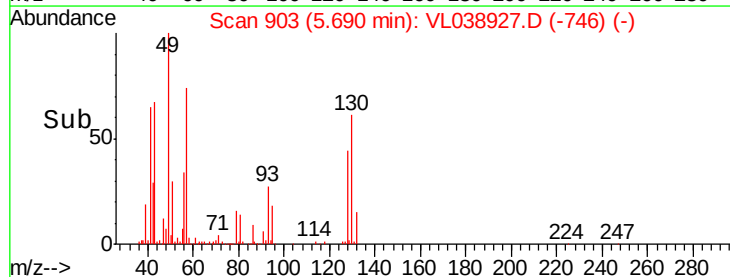
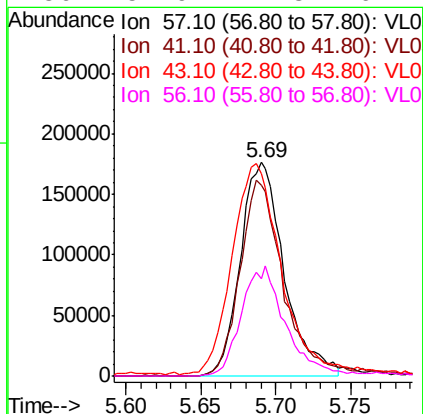
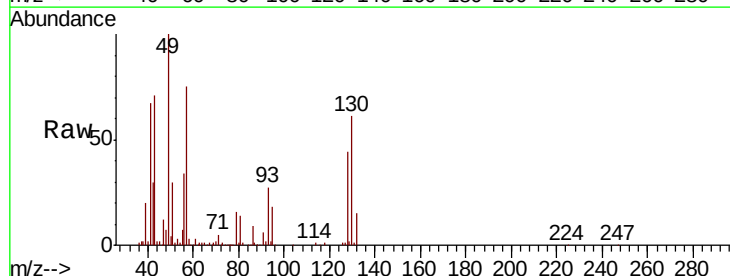
#25  
Ethyl Acetate  
Concen: 1.418 ppbv  
RT: 5.69 min  
Instrument: MSVOA\_1  
Delta R.T.: 0.01 min  
Lab File: VL038927.D  
Client Sample ID: 1165-19-SG-1DUP  
Acq: 14 Apr 2022 21:24

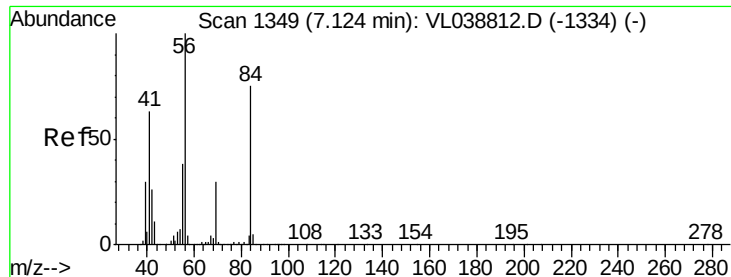
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 397389 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 6.2   | 8.4   | 12.6#  |
| 61       | 5.1   | 7.9   | 11.9#  |
| 70       | 4.4   | 5.6   | 8.4#   |



#26  
Hexane  
Concen: 2.809 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T.: 0.01 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

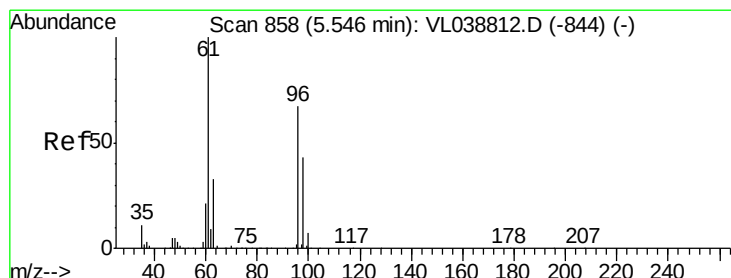
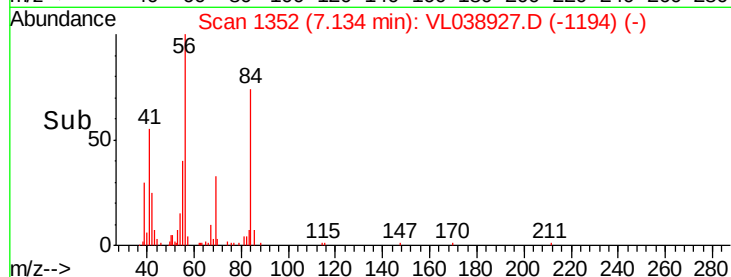
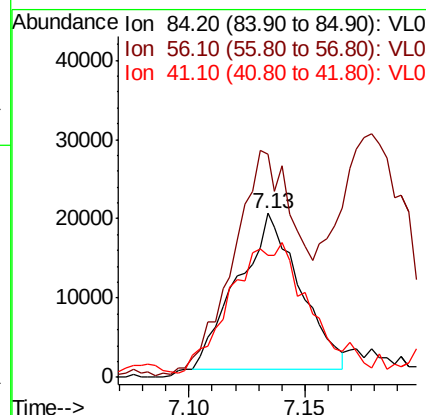
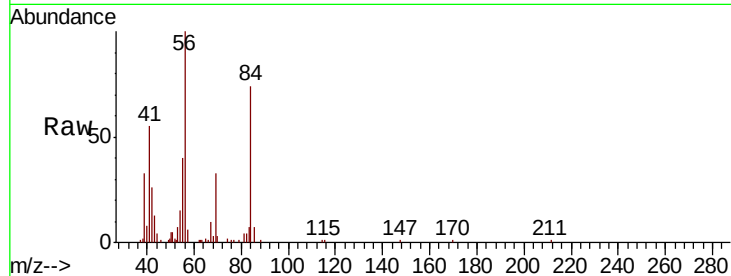
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 358231 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 92.7  | 72.0  | 108.0  |
| 43       | 113.3 | 186.6 | 280.0# |
| 56       | 51.9  | 42.8  | 64.2   |





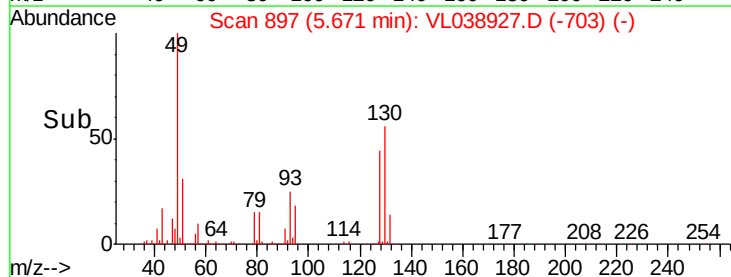
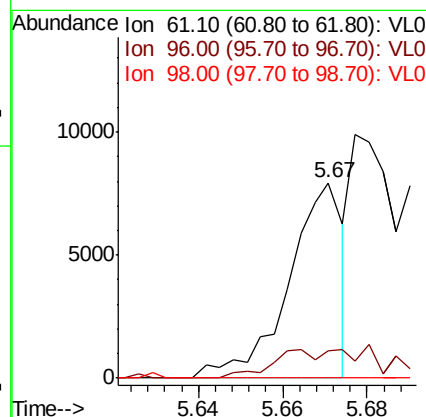
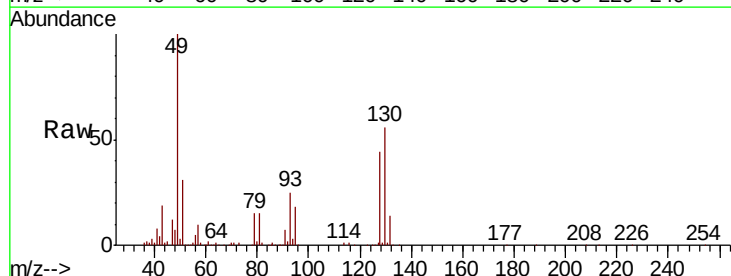
#30  
Cvclohexane  
Concen: 0.329 ppbv  
RT: 7.13  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 14 Apr 2022 21:24

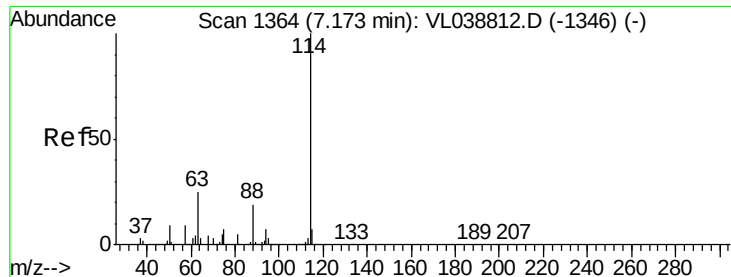
Tot Ion: 84 Resp: 37007  
Ion Ratio Lower Upper  
84 100  
56 147.0 114.4 171.6  
41 94.1 69.0 103.4



#31  
cis-1,2-Dichloroethene  
Concen: 0.060 ppbv  
RT: 5.67 min Scan# 897  
Delta R.T. 0.13 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

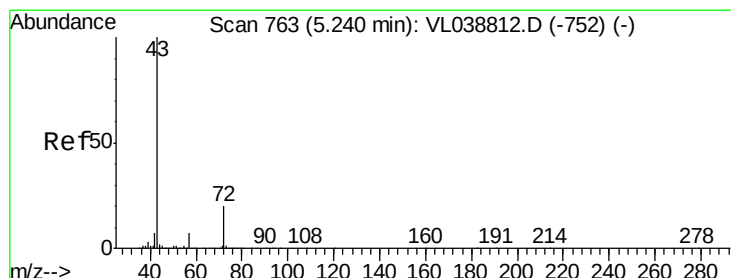
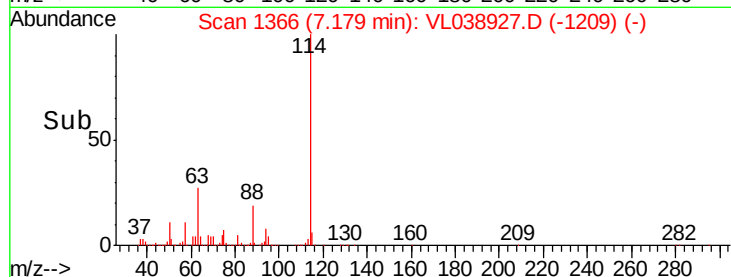
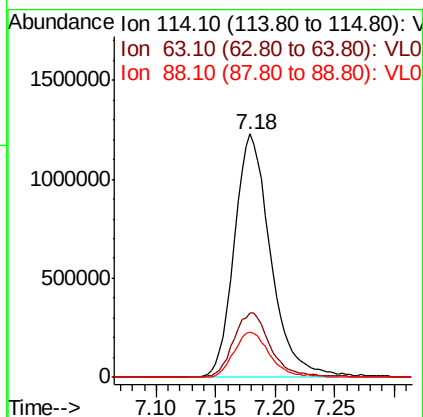
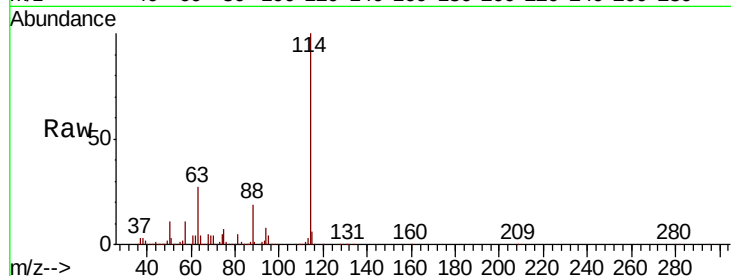
Tgt Ion: 61 Resp: 7064  
Ion Ratio Lower Upper  
61 100  
96 13.7 53.4 80.0#  
98 0.0 34.2 51.4#





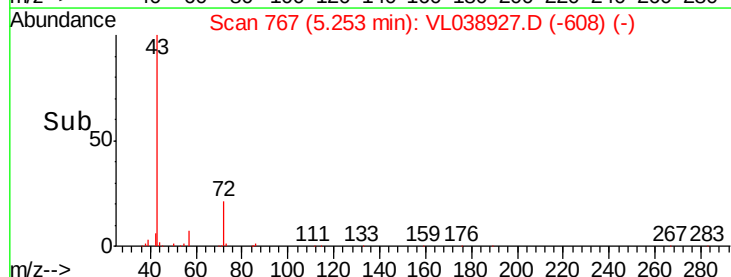
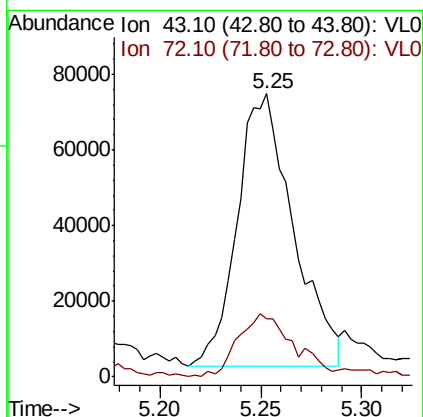
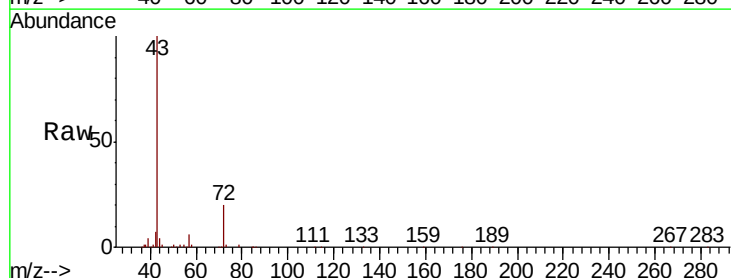
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

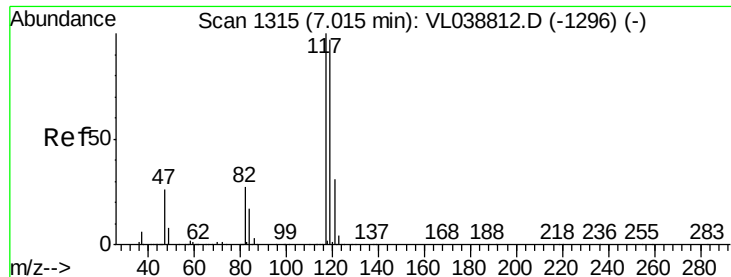
Tot Ion:114 Resp: 2594257  
 Ion Ratio Lower Upper  
 114 100  
 63 27.5 19.8 29.8  
 88 18.9 14.2 21.4



#34  
 2-Butanone  
 Concen: 1.358 ppbv  
 RT: 5.25 min Scan# 767  
 Delta R.T. 0.01 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

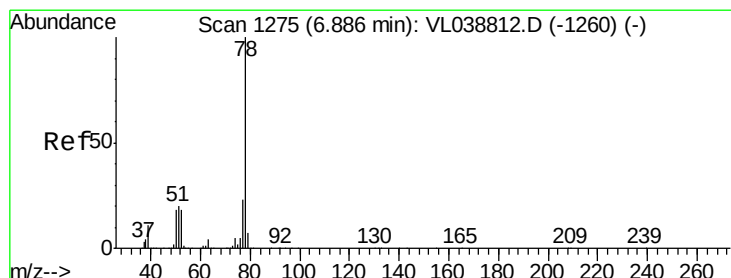
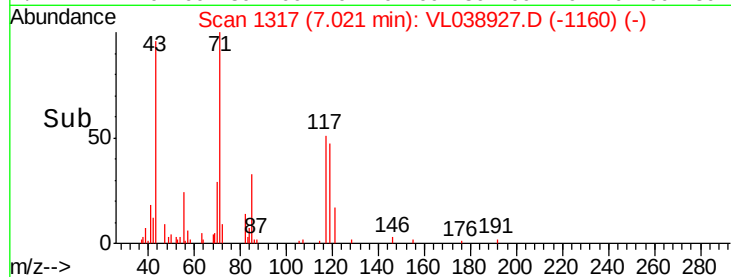
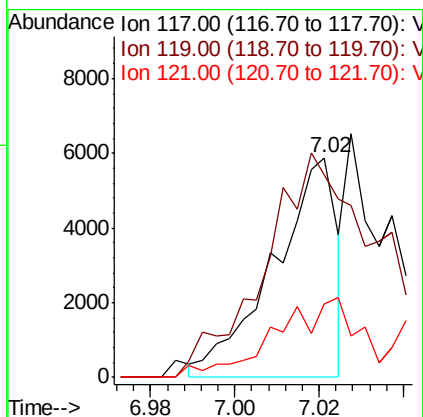
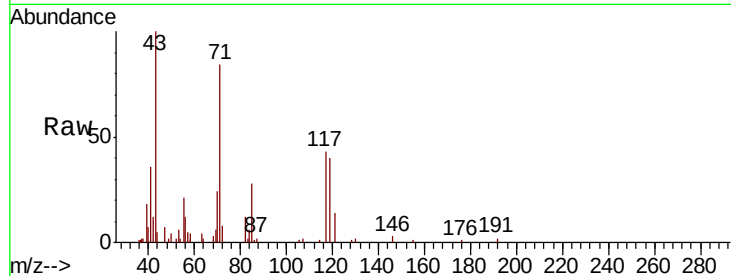
Tgt Ion: 43 Resp: 139214  
 Ion Ratio Lower Upper  
 43 100  
 72 25.9 16.9 25.3#





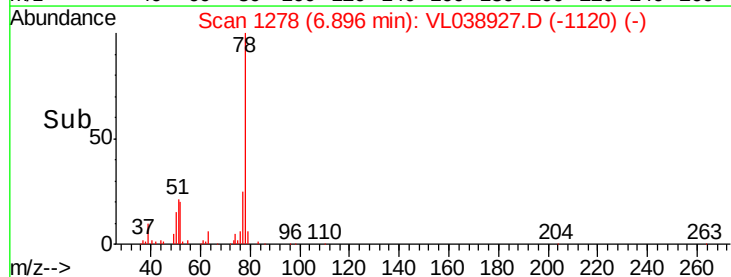
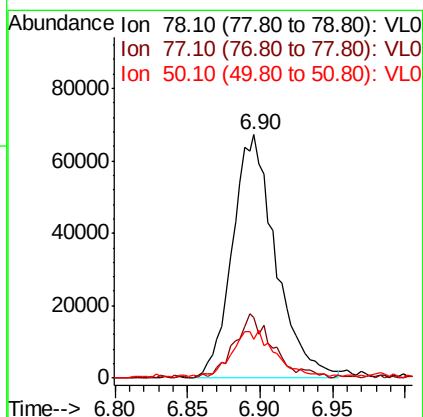
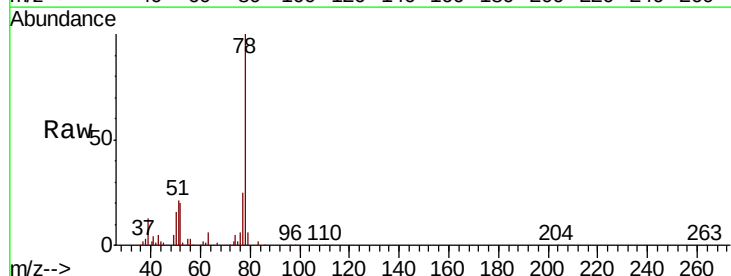
#35  
Carbon Tetrachloride  
Concen: 0.039 ppbv  
RT: 7.02  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 14 Apr 2022 21:24

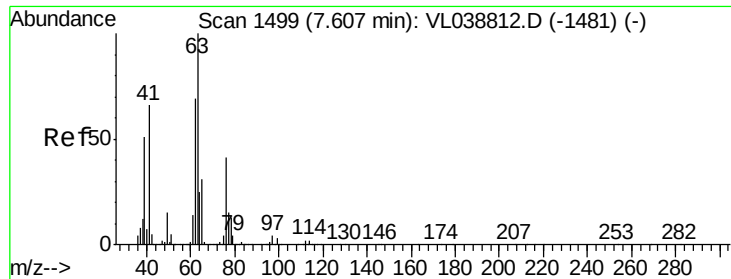
Tot Ion: 117 Resp: 6100  
Ion Ratio Lower Upper  
117 100  
119 91.0 77.7 116.5  
121 30.3 24.5 36.7



#36  
Benzene  
Concen: 0.590 ppbv  
RT: 6.90 min Scan# 1278  
Delta R.T. 0.01 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

Tgt Ion: 78 Resp: 139245  
Ion Ratio Lower Upper  
78 100  
77 24.6 18.2 27.2  
50 15.2 14.0 21.0





#39

1,2-Dichloropropane

Concen: 7.766 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 21:24 1165-19-SG-1DUP

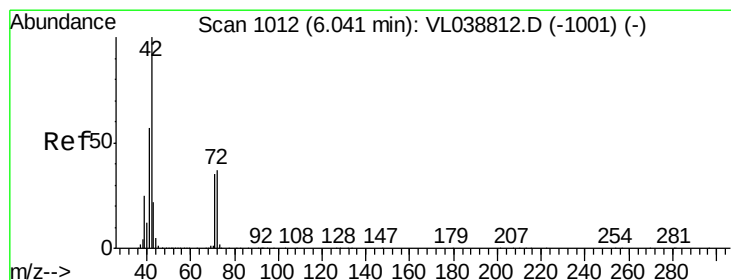
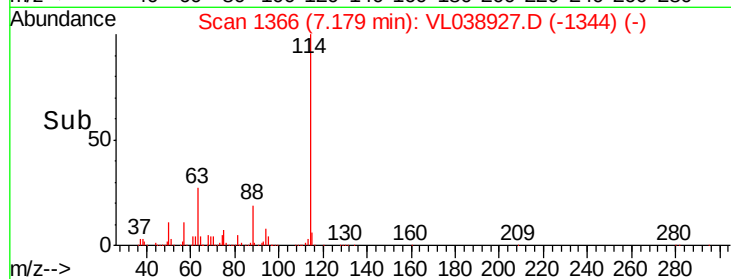
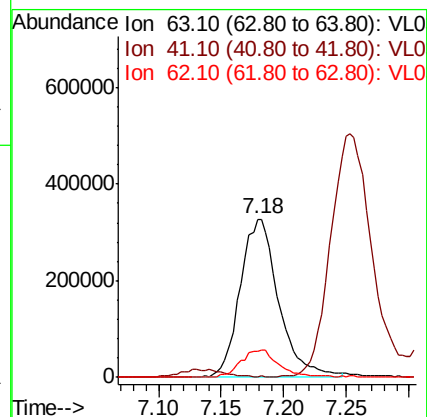
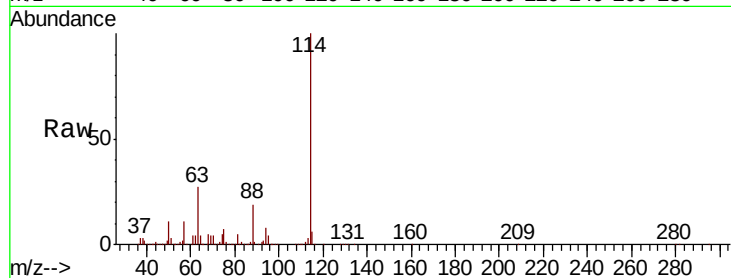
Tot Ion: 63 Resp: 700989

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

62 16.2 55.0 82.4#



#41

Tetrahydrofuran

Concen: 0.110 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.28 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

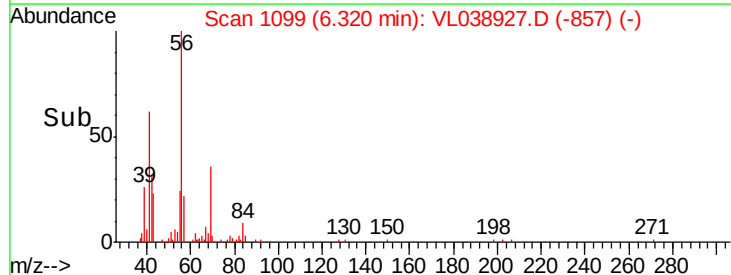
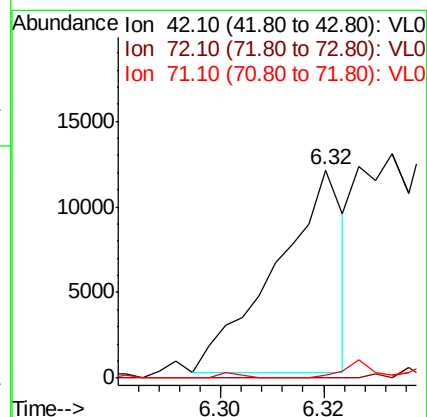
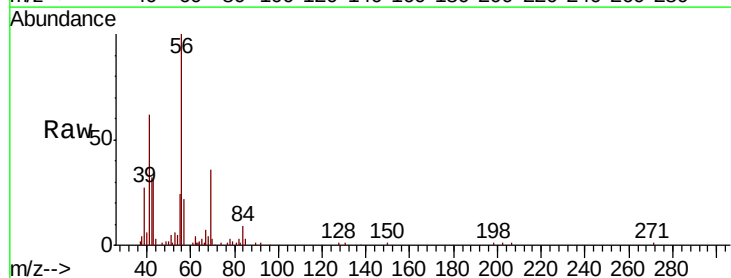
Tgt Ion: 42 Resp: 10738

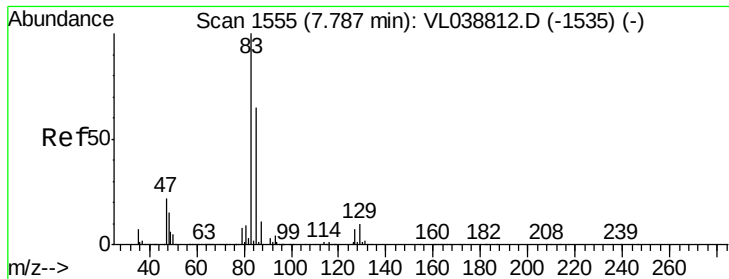
Ion Ratio Lower Upper

42 100

72 1.1 31.4 47.0#

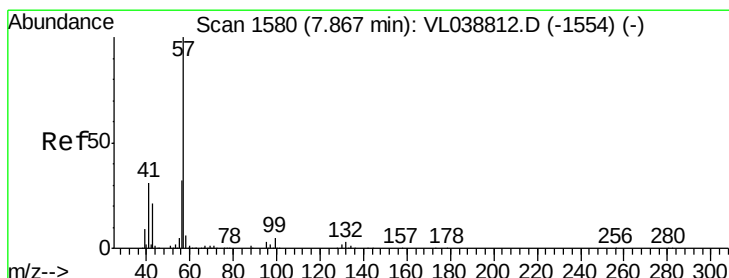
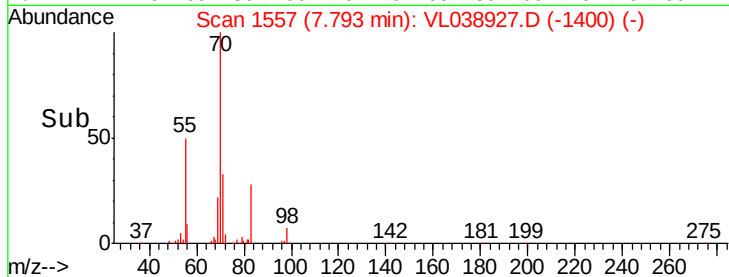
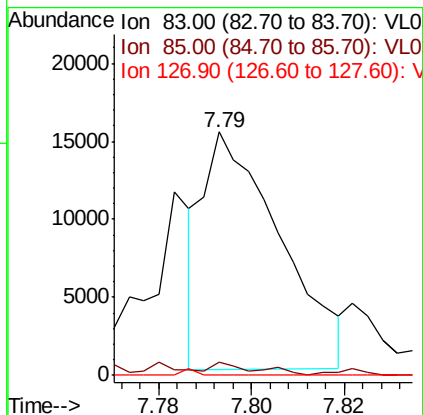
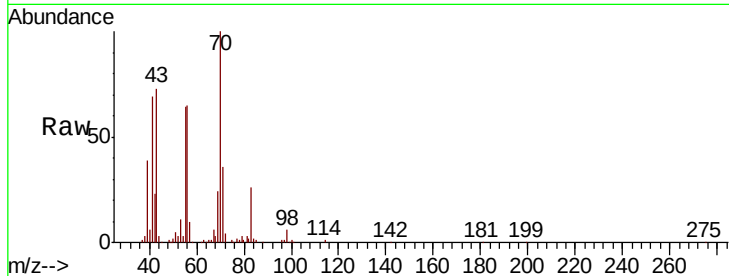
71 0.0 30.2 45.4#





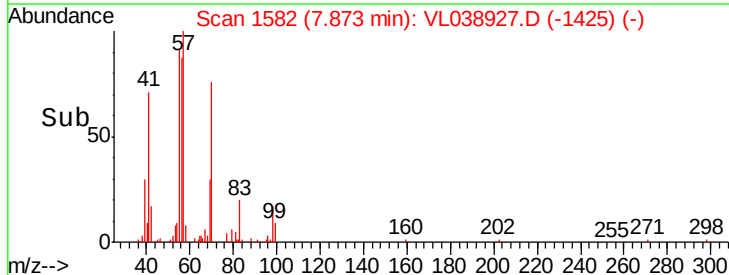
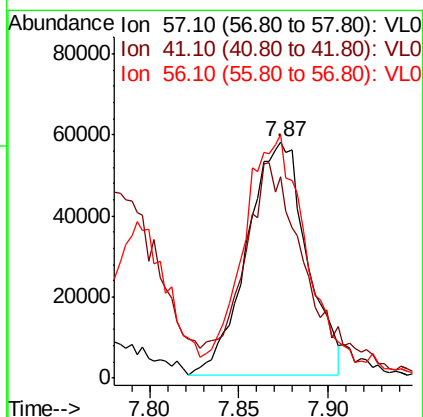
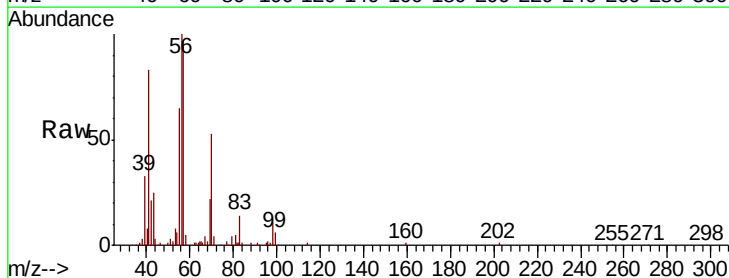
#42  
 Bromodichloromethane  
 Concen: 0.103 ppbv  
 RT: 7.79  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

Tot Ion: 83 Resp: 17539  
 Ion Ratio Lower Upper  
 83 100  
 85 5.3 51.7 77.5#  
 127 0.0 5.9 8.9#

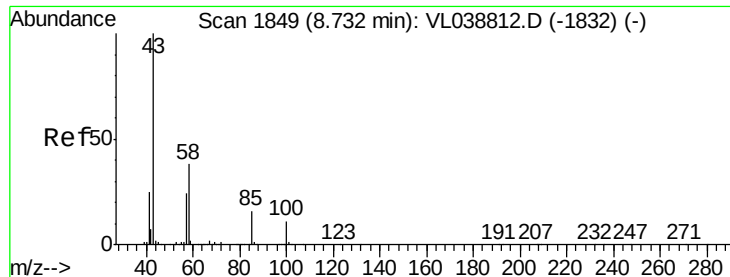


#44  
 2,2,4-Trimethylpentane  
 Concen: 0.335 ppbv  
 RT: 7.87 min Scan# 1582  
 Delta R.T. 0.01 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

Tgt Ion: 57 Resp: 133936  
 Ion Ratio Lower Upper  
 57 100  
 41 96.1 25.0 37.4#  
 56 118.0 25.3 37.9#

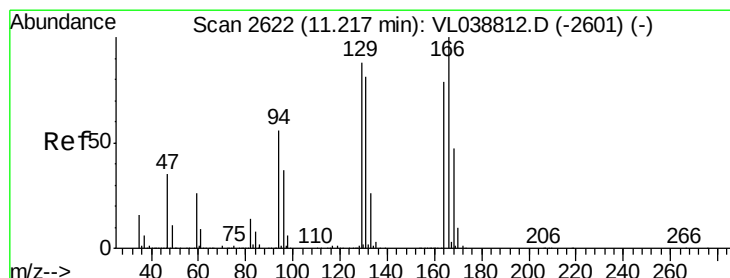
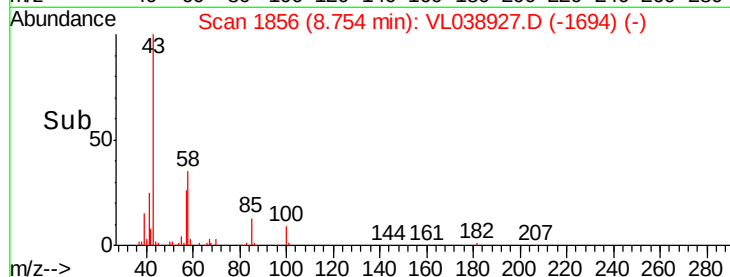
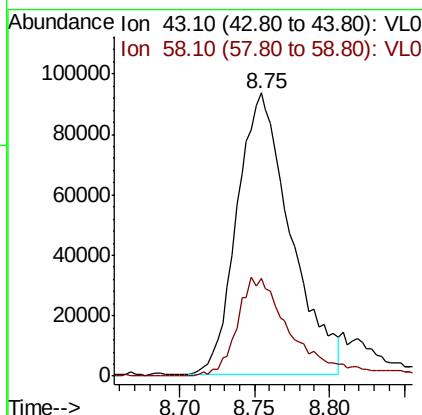
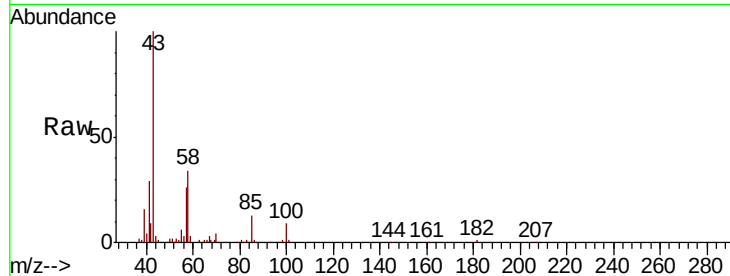






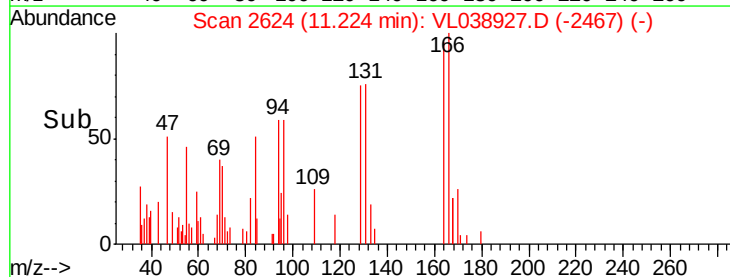
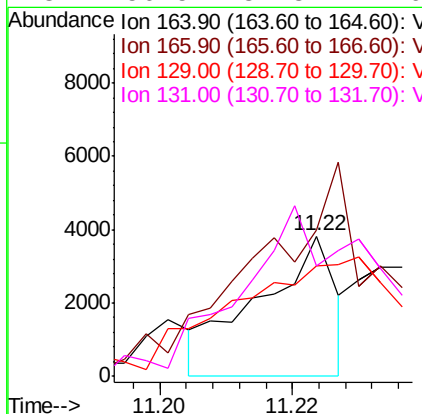
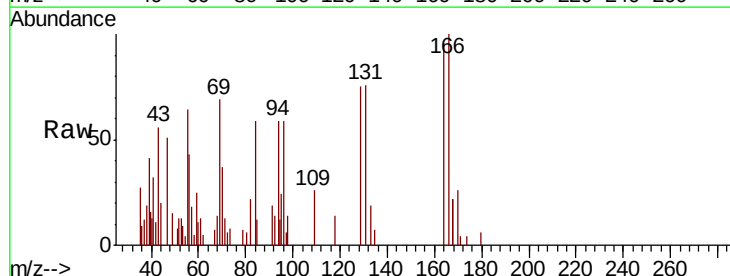
#50  
 4-Methyl-2-pentanone  
 Concen: 1.009 ppbv  
 RT: 8.75  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

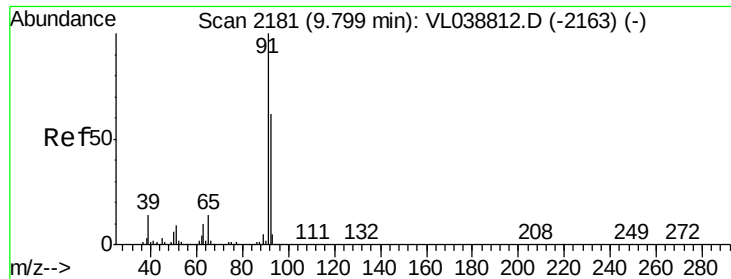
Tot Ion: 43 Resp: 232583  
 Ion Ratio Lower Upper  
 43 100  
 58 36.4 29.0 43.6



#52  
 Tetrachloroethene  
 Concen: 0.037 ppbv  
 RT: 11.22 min Scan# 2624  
 Delta R.T. 0.01 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

Tgt Ion: 164 Resp: 3061  
 Ion Ratio Lower Upper  
 164 100  
 166 89.5 101.0 151.6#  
 129 66.5 88.7 133.1#  
 131 56.5 81.8 122.6#





#53

Toluene

Concen: 33.107 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

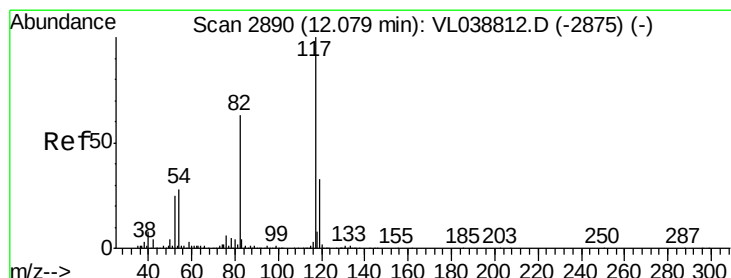
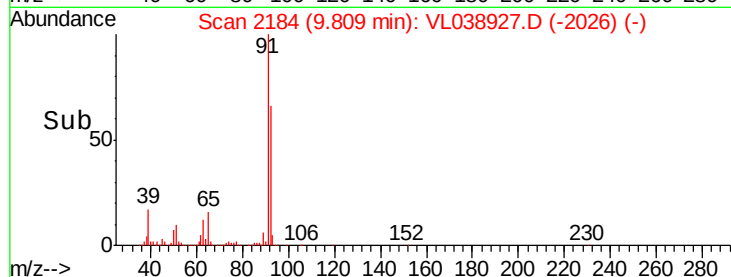
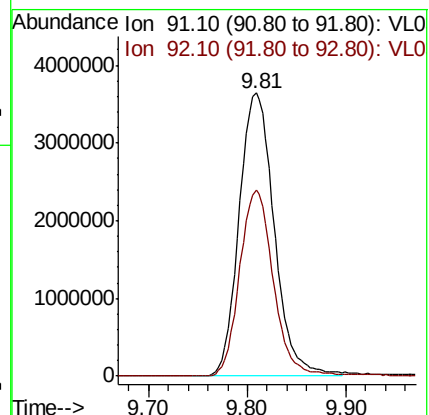
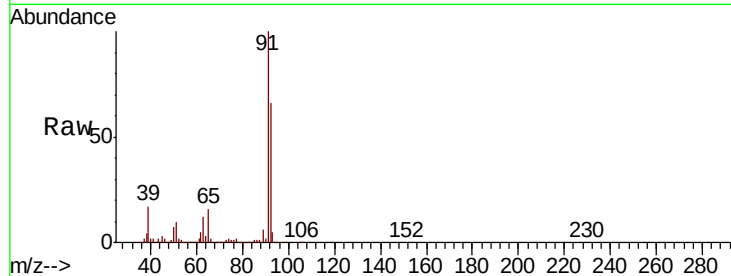
Acq: 14 Apr 2022 21:24

Tot Ion: 91 Resp: 9019651

Ion Ratio Lower Upper

91 100

92 63.5 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

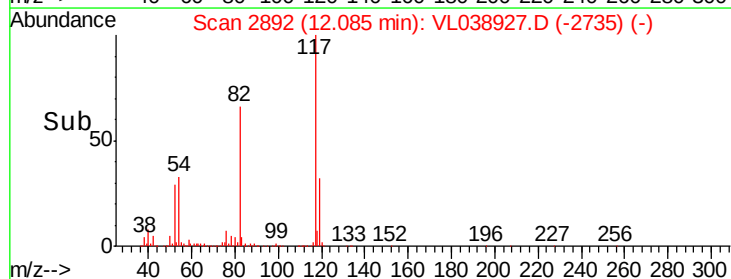
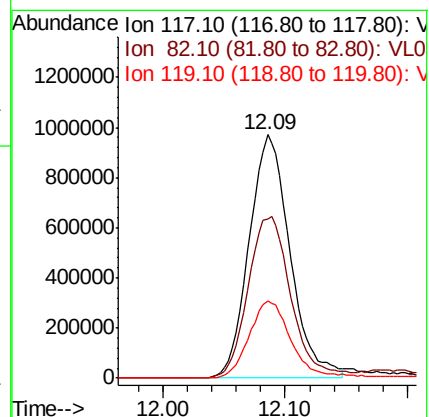
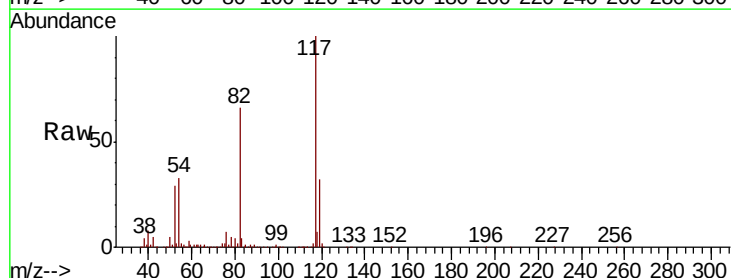
Tgt Ion: 117 Resp: 2245332

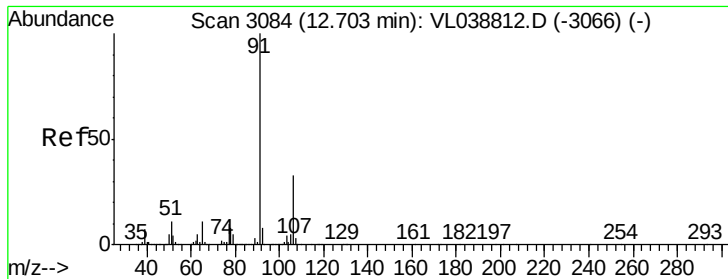
Ion Ratio Lower Upper

117 100

82 70.3 53.0 79.6

119 33.5 24.9 37.3





#58

Ethyl Benzene

Concen: 1.009 ppbv

RT: 12.71

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

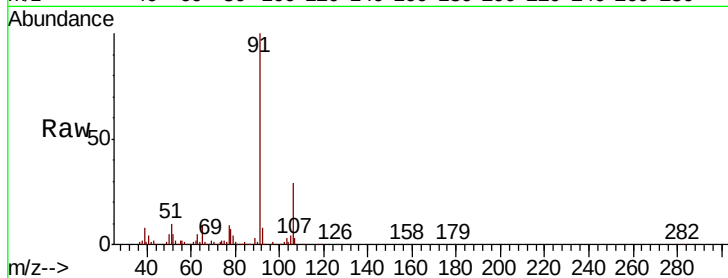
Acq: 14 Apr 2022 21:24

Tot Ion: 91 Resp: 338512

Ion Ratio Lower Upper

91 100

106 28.9 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.71

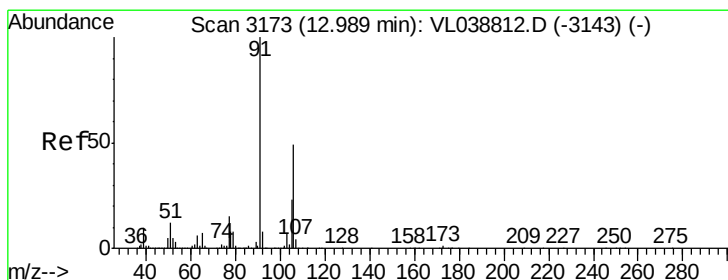
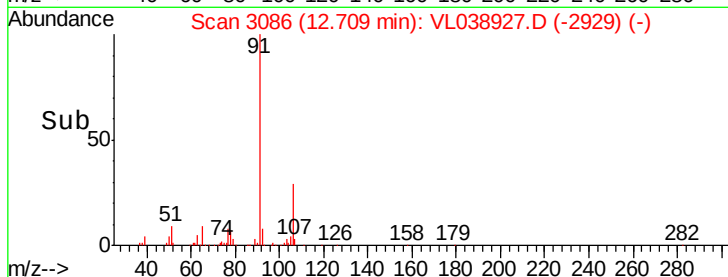
150000

100000

50000

0

Time-->



#59

m/p-Xylene

Concen: 3.397 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.02 min

Lab File: VL038927.D

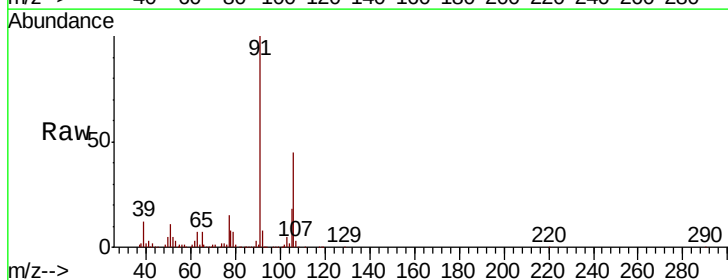
Acq: 14 Apr 2022 21:24

Tgt Ion: 91 Resp: 957566

Ion Ratio Lower Upper

91 100

106 45.0 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.97

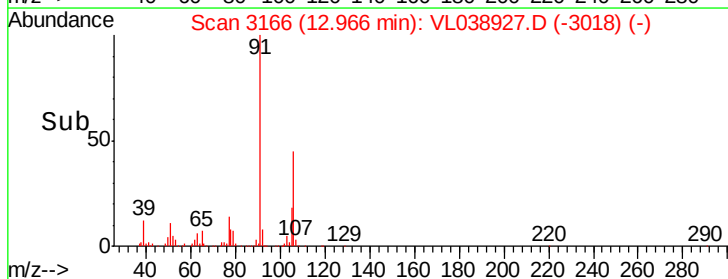
300000

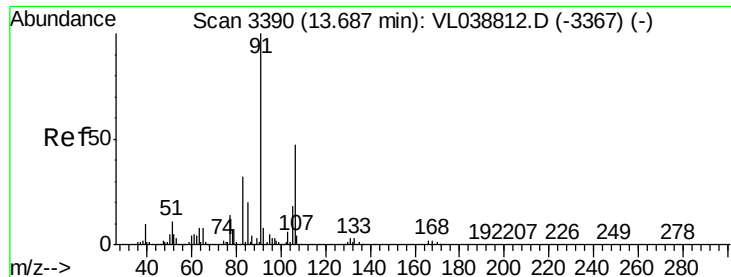
200000

100000

0

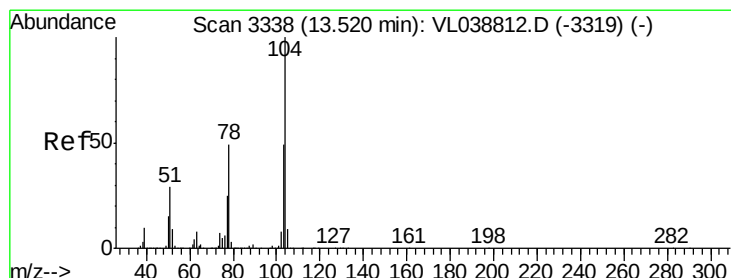
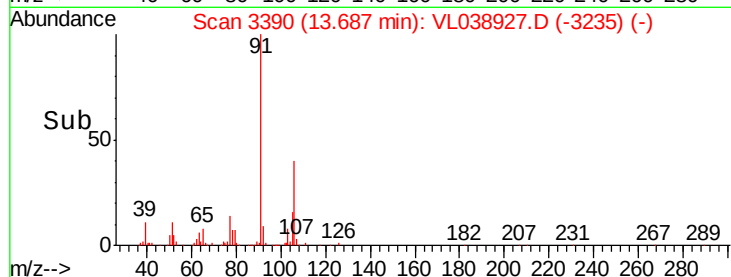
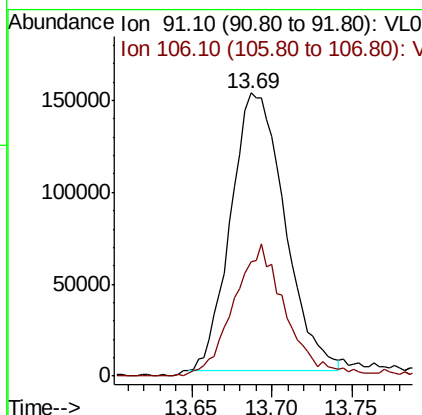
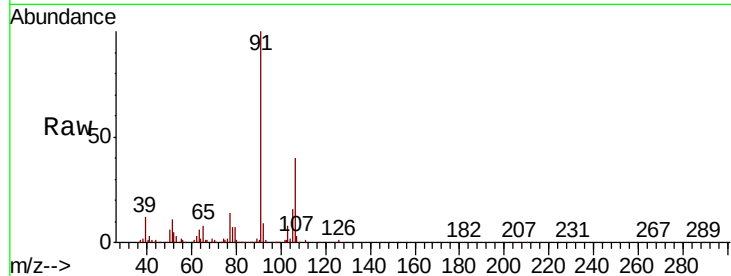
Time-->





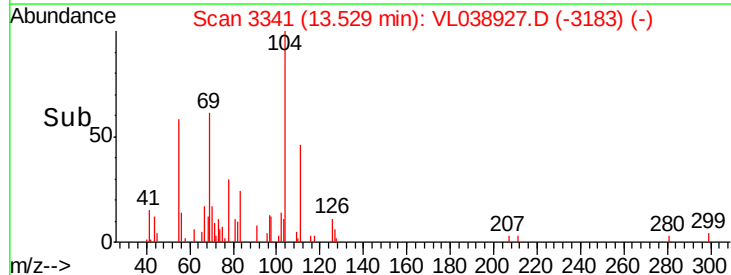
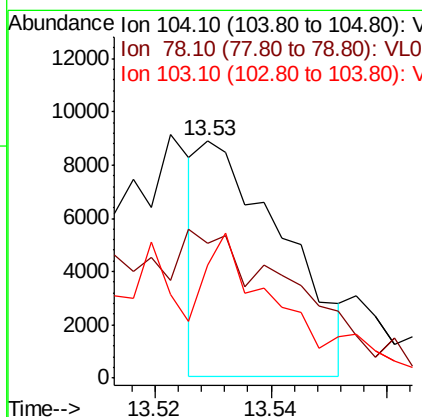
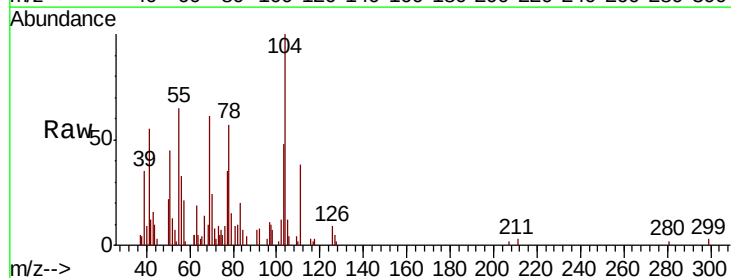
#60  
o-Xylene  
Concen: 1.327 ppbv  
RT: 13.69  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
1165-19-SG-1DUP  
Acq: 14 Apr 2022 21:24

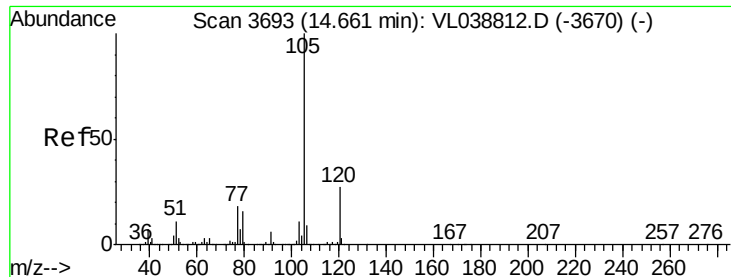
Tot Ion: 91 Resp: 349954  
Ion Ratio Lower Upper  
91 100  
106 45.8 23.8 71.4



#61  
Styrene  
Concen: 0.055 ppbv  
RT: 13.53 min Scan# 3341  
Delta R.T. 0.01 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

Tgt Ion:104 Resp: 8856  
Ion Ratio Lower Upper  
104 100  
78 154.6 40.5 60.7#  
103 122.8 39.0 58.4#





#62

Isopropylbenzene

Concen: 0.093 ppbv

RT: 14.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

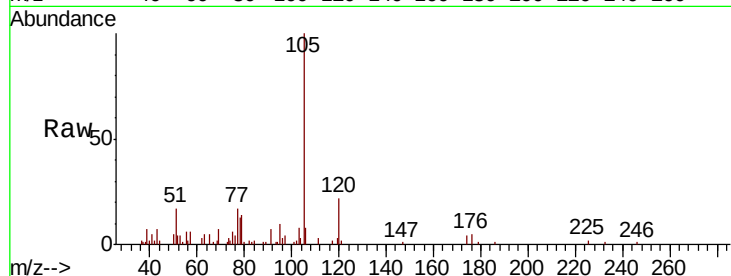
Acq: 14 Apr 2022 21:24

Tot Ion:105 Resp: 36789

Ion Ratio Lower Upper

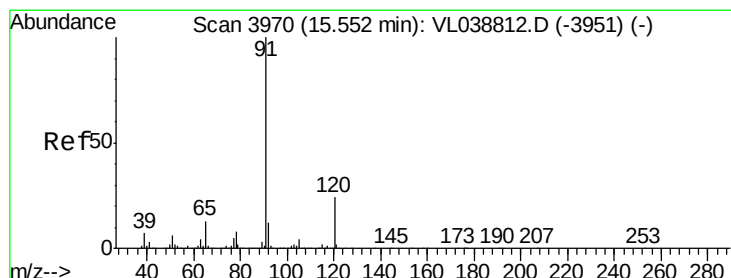
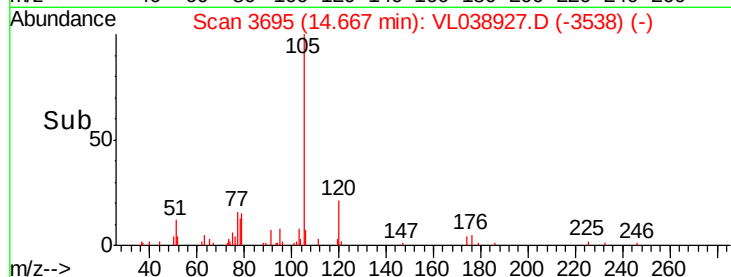
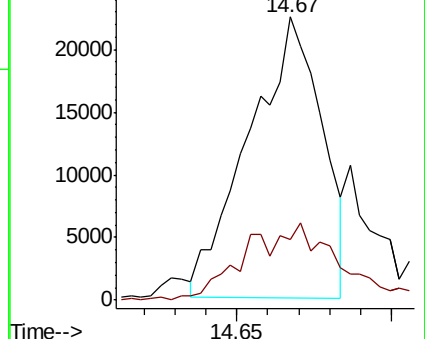
105 100

120 35.9 21.8 32.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.075 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL038927.D

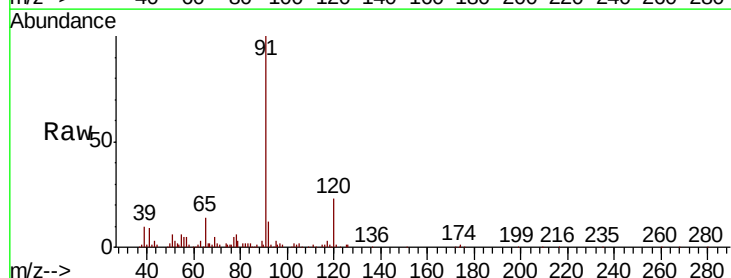
Acq: 14 Apr 2022 21:24

Tgt Ion:120 Resp: 7756

Ion Ratio Lower Upper

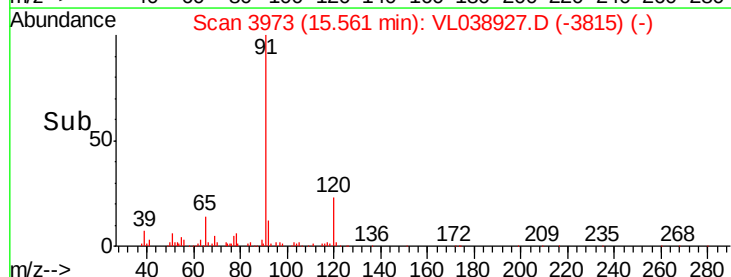
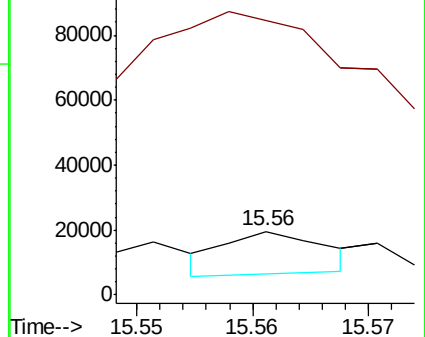
120 100

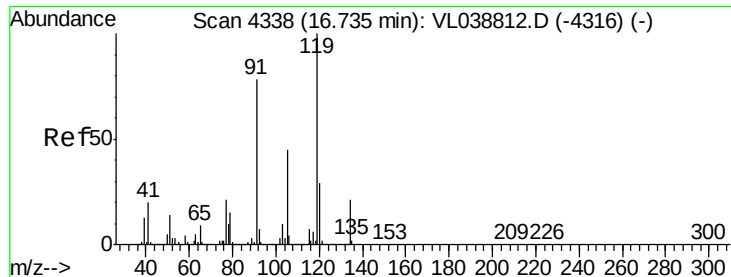
91 2785.1 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

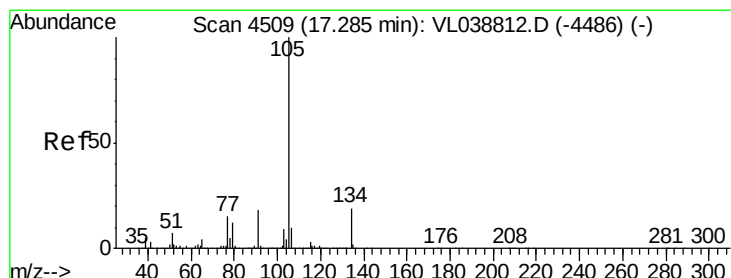
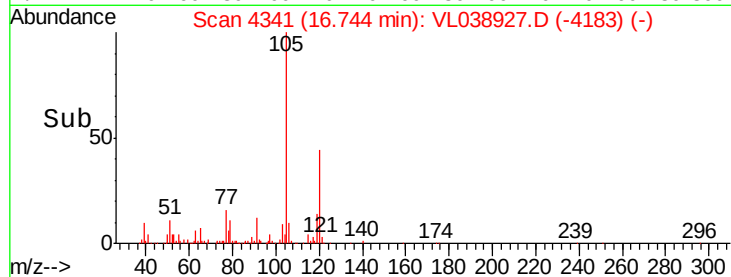
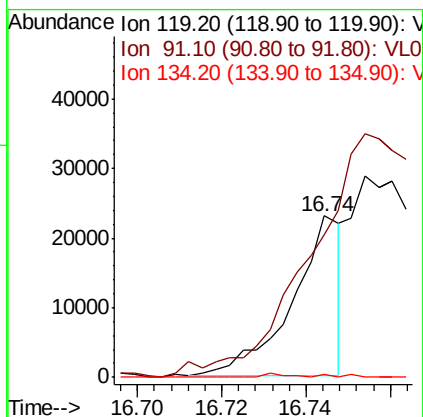
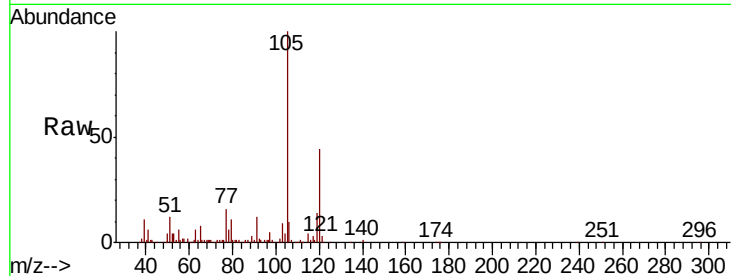
Ion 91.10 (90.80 to 91.80): VL0





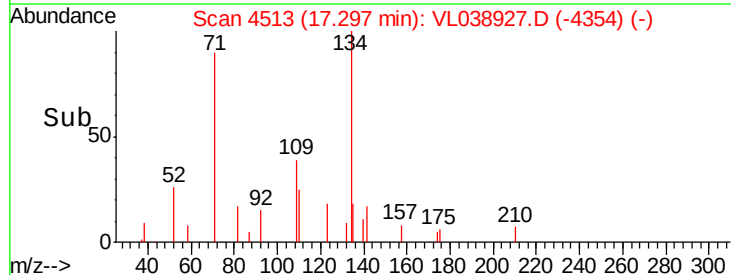
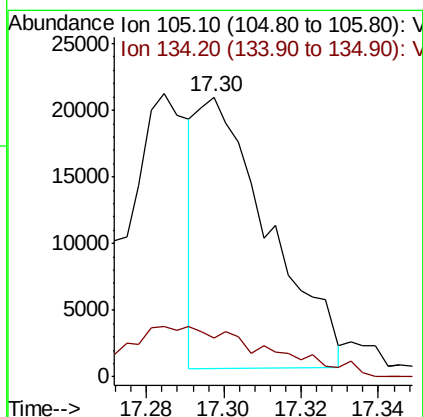
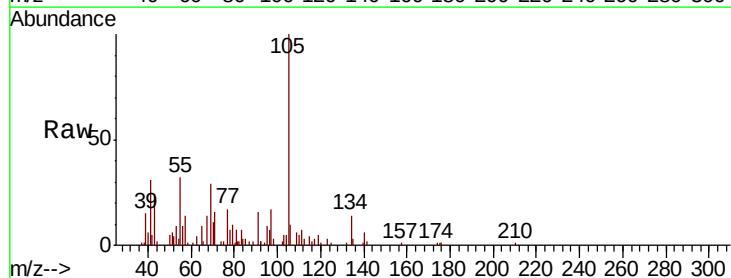
#65  
tert-Butylbenzene  
Concen: 0.053 ppbv  
RT: 16.74 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
1165-19-SG-1DUP  
Acq: 14 Apr 2022 21:24

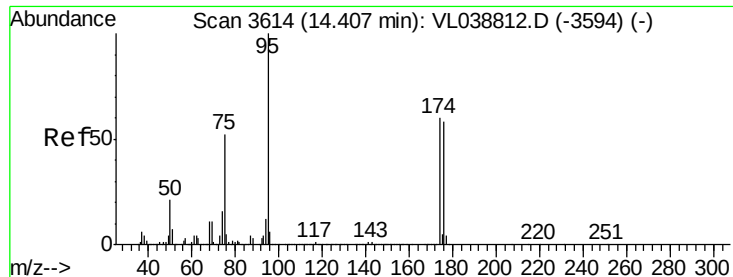
Tot Ion: 119 Resp: 18465  
Ion Ratio Lower Upper  
119 100  
91 0.0 62.8 94.2#  
134 2.1 16.2 24.4#



#67  
sec-Butylbenzene  
Concen: 0.053 ppbv  
RT: 17.30 min Scan# 4513  
Delta R.T.: 0.01 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

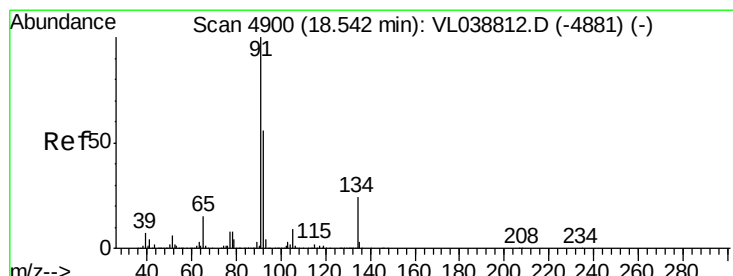
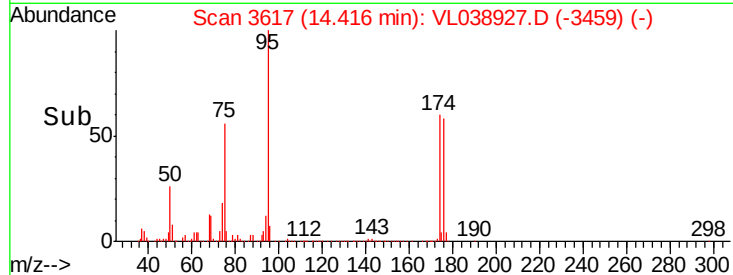
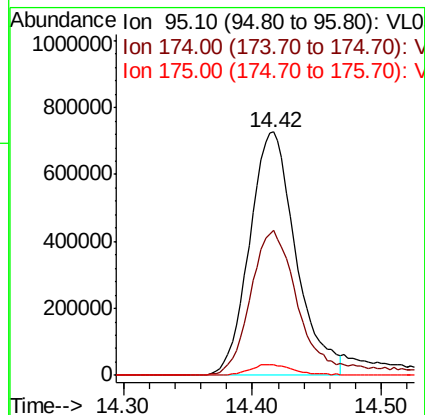
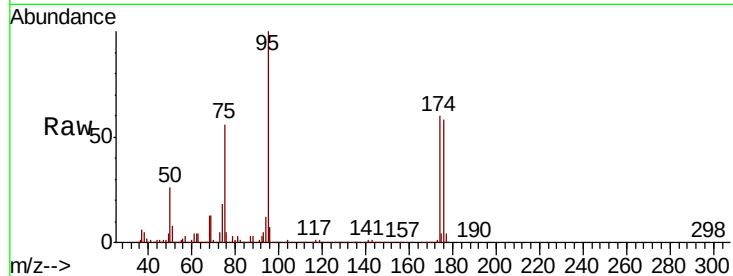
Tgt Ion: 105 Resp: 25940  
Ion Ratio Lower Upper  
105 100  
134 0.0 15.1 22.7#





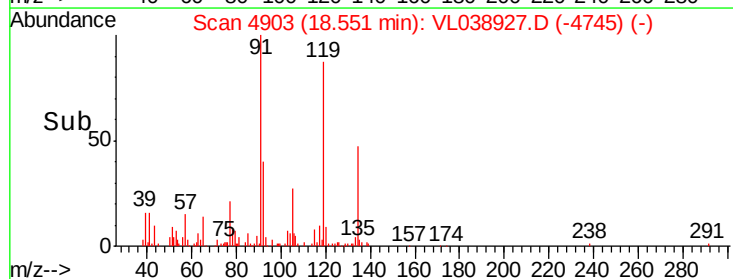
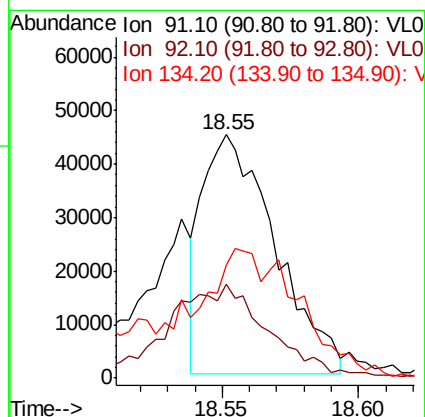
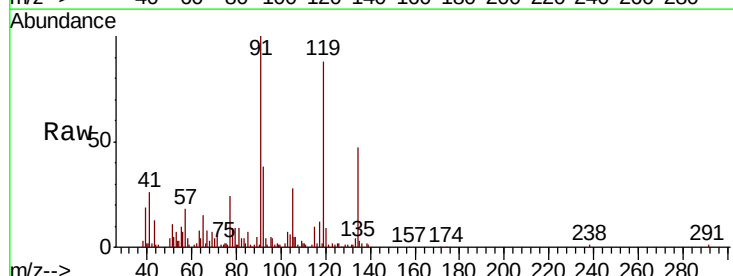
#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.671 ppbv  
 RT: 14.42  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

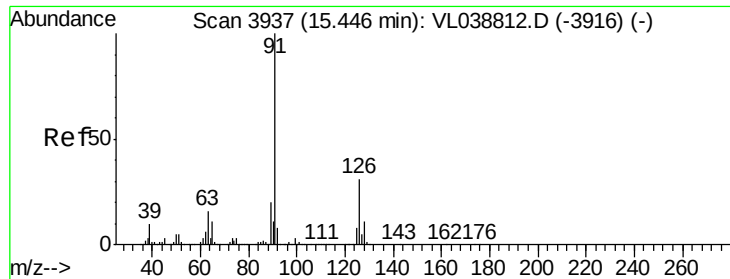
Tot Ion: 95 Resp: 1817504  
 Ion Ratio Lower Upper  
 95 100  
 174 66.3 52.0 78.0  
 175 4.8 4.0 6.0



#70  
 n-Butylbenzene  
 Concen: 0.202 ppbv  
 RT: 18.55 min Scan# 4903  
 Delta R.T. 0.01 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

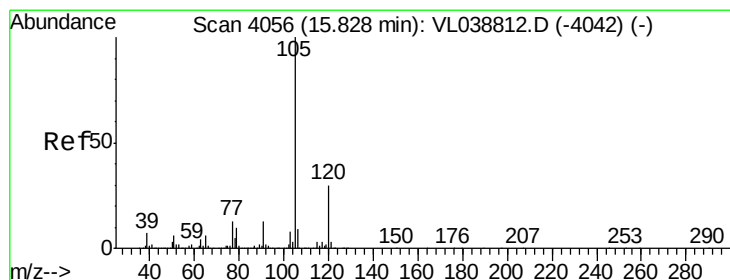
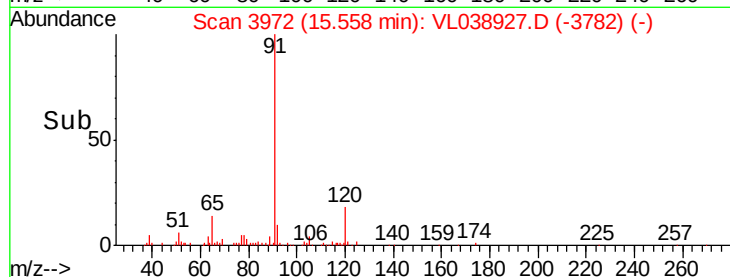
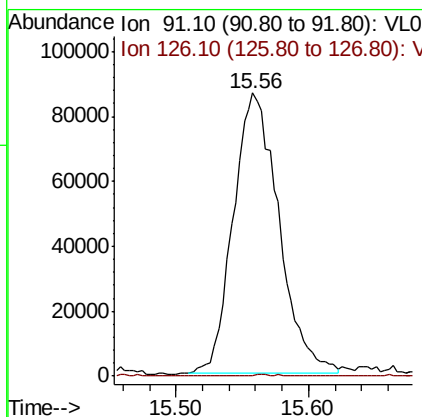
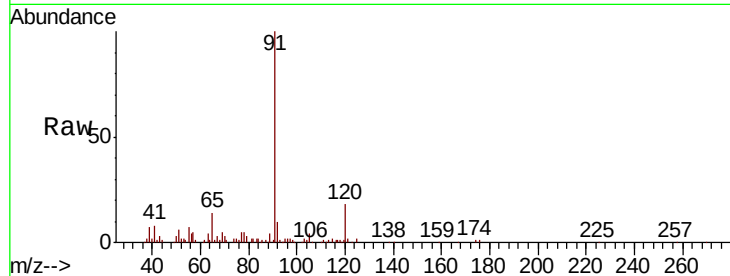
Tgt Ion: 91 Resp: 82369  
 Ion Ratio Lower Upper  
 91 100  
 92 58.1 44.6 66.8  
 134 100.8 19.2 28.8#





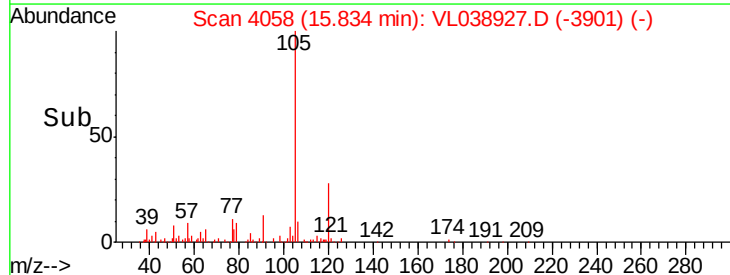
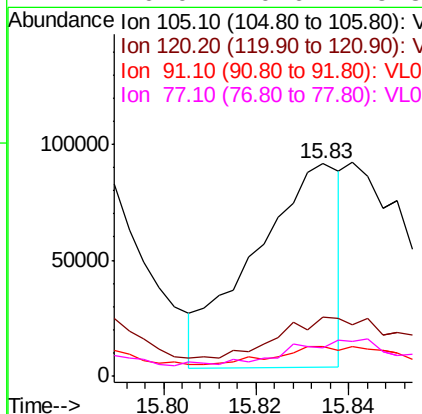
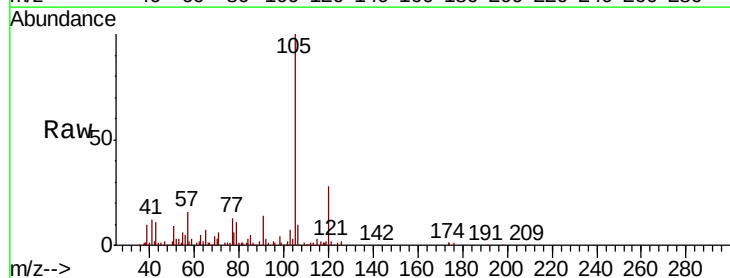
#71  
 2-Chlorotoluene  
 Concen: 0.688 ppbv  
 RT: 15.56 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : 1165-19-SG-1DUP  
 Acq: 14 Apr 2022 21:24

Tot Ion: 91 Resp: 204811  
 Ion Ratio Lower Upper  
 91 100  
 126 0.4 13.0 51.8#

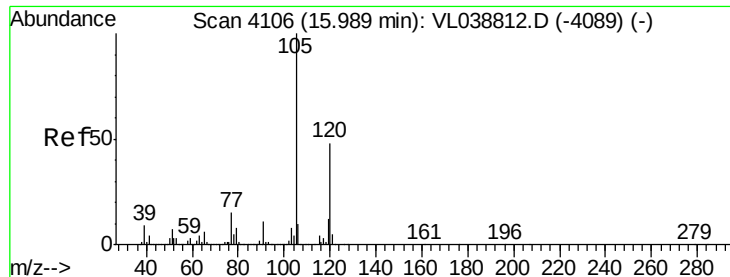


#72  
 4-Ethyltoluene  
 Concen: 0.358 ppbv  
 RT: 15.83 min Scan# 4058  
 Delta R.T. 0.01 min  
 Lab File: VL038927.D  
 Acq: 14 Apr 2022 21:24

Tgt Ion: 105 Resp: 112605  
 Ion Ratio Lower Upper  
 105 100  
 120 53.8 24.3 36.5#  
 91 26.8 9.4 14.2#  
 77 0.0 10.6 15.8#







#73

1,3,5-Trimethylbenzene

Concen: 0.680 ppbv

RT: 16.00

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

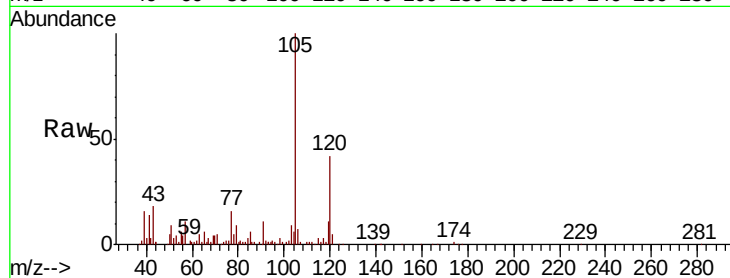
Acq: 14 Apr 2022 21:24

Tot Ion:105 Resp: 192531

Ion Ratio Lower Upper

105 100

120 42.5 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

80000

60000

40000

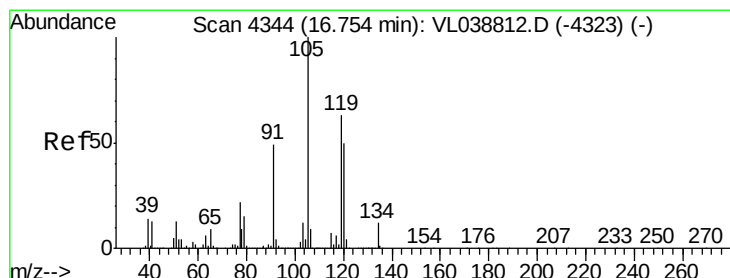
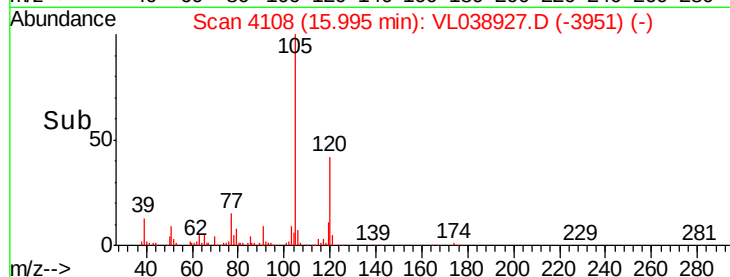
20000

0

16.00

15.90 15.95 16.00 16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.306 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

Tgt Ion:105 Resp: 689789

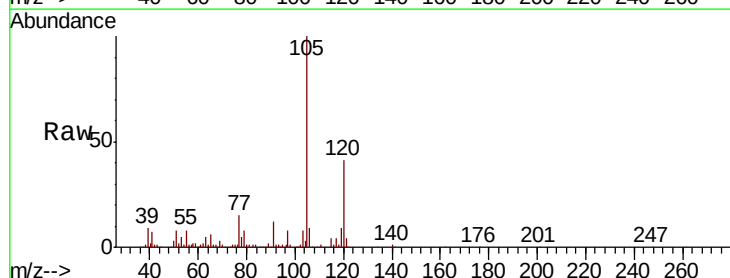
Ion Ratio Lower Upper

105 100

120 40.6 39.8 59.8

91 11.6 39.4 59.0#

77 14.6 17.3 25.9#



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

400000

300000

200000

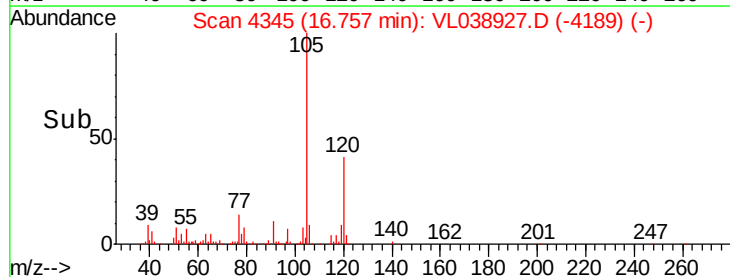
100000

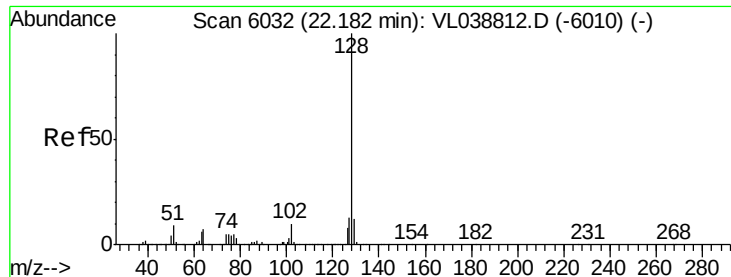
0

16.76

16.70 16.80

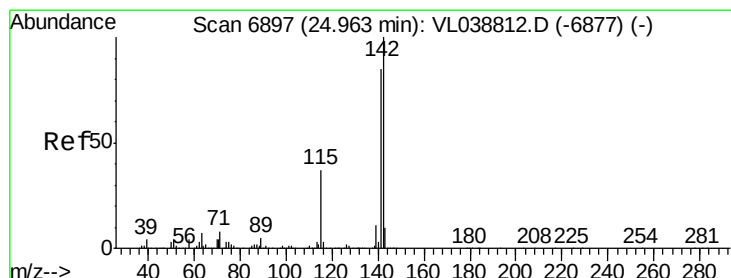
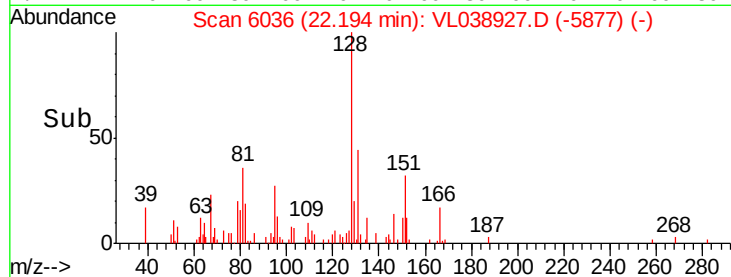
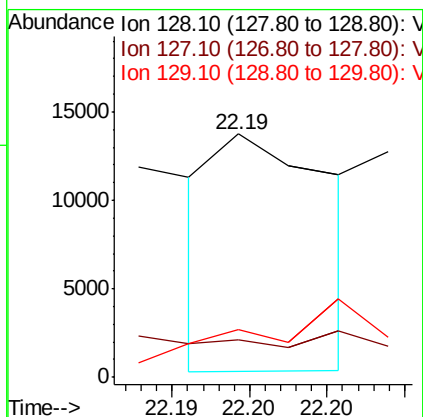
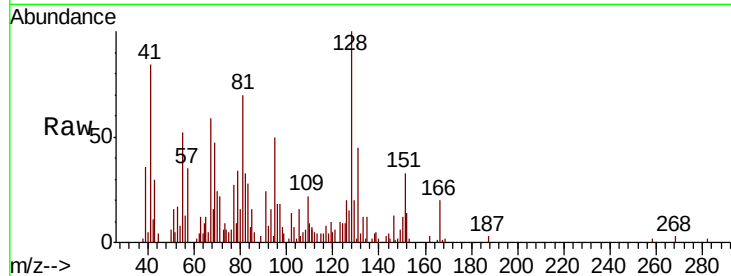
Time-->





#79  
Naphthalene  
Concen: 0.031 ppbv  
RT: 22.19 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
1165-19-SG-1DUP  
Acq: 14 Apr 2022 21:24

Tot Ion:128 Resp: 6967  
Ion Ratio Lower Upper  
128 100  
127 7.5 10.6 15.8#  
129 34.6 9.4 14.0#



#80  
Naphthalene, 2-methyl-  
Concen: 0.086 ppbv  
RT: 24.97 min Scan# 6899  
Delta R.T.: 0.01 min  
Lab File: VL038927.D  
Acq: 14 Apr 2022 21:24

Tgt Ion:142 Resp: 4755  
Ion Ratio Lower Upper  
142 100  
141 104.8 68.8 103.2#  
115 255.4 31.6 47.4#

