

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\  
 Data File : VL039211.D  
 Acq On : 7 Jun 2022 16:13  
 Operator : SY/AP  
 Sample : N3199-02DUP  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 04:59:29 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 978234   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2404831  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2063914  | 10.00 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1684914  | 9.87     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.70% |

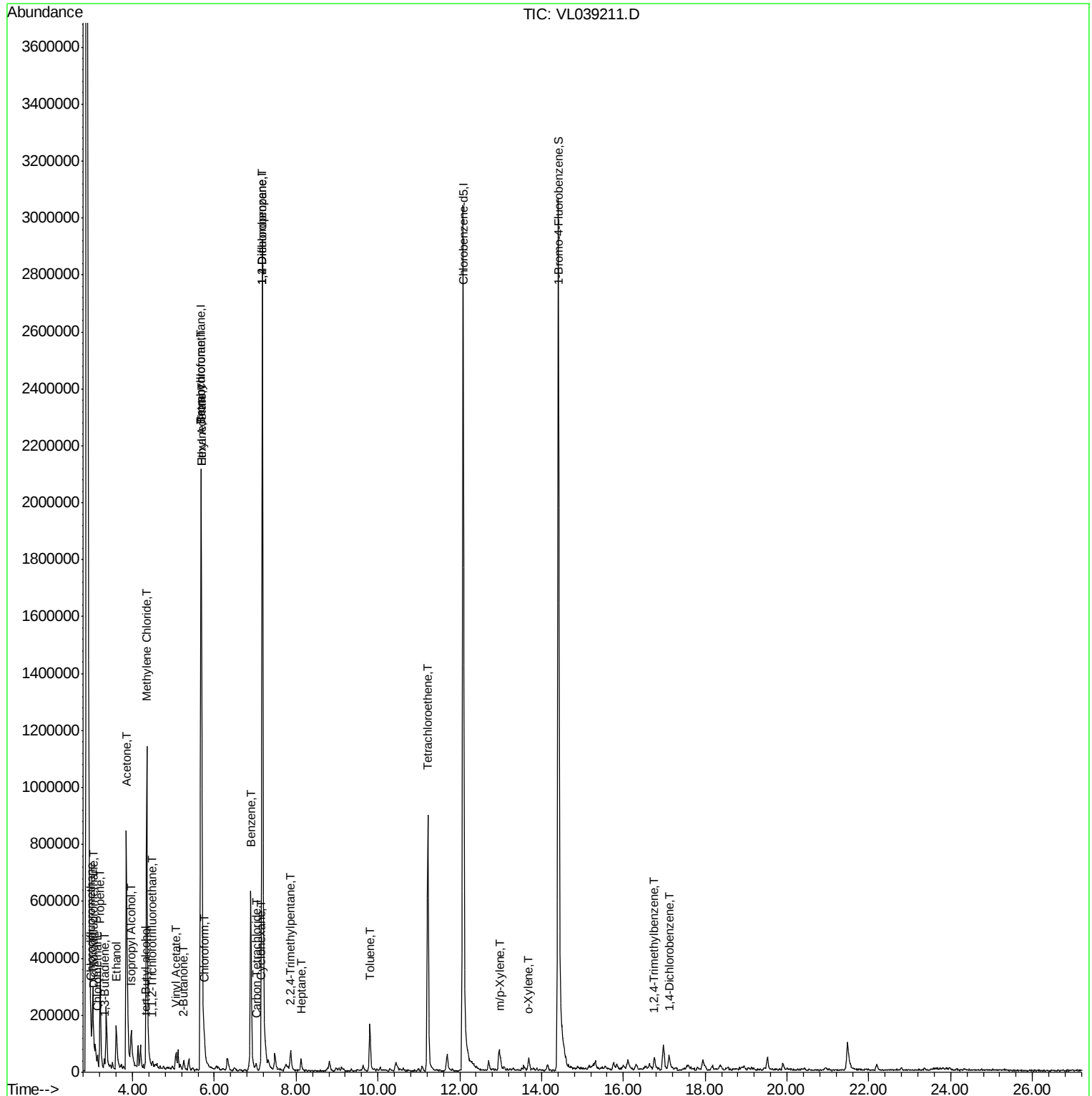
#### Target Compounds

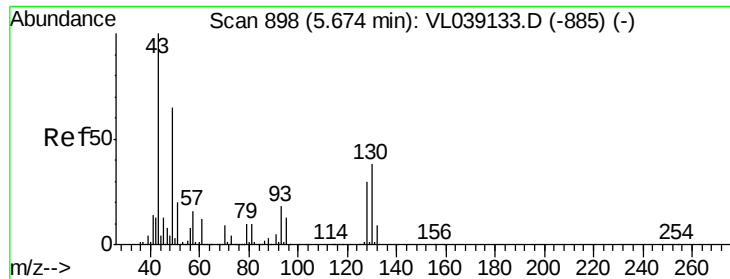
|                                |       |     |         |        | Ovalue     |
|--------------------------------|-------|-----|---------|--------|------------|
| 2) Dichlorodifluoromethane     | 3.05  | 85  | 49677   | 0.289  | ppbv 98    |
| 3) Chlorodifluoromethane       | 2.99  | 51  | 110165  | 0.885  | ppbv # 76  |
| 4) Chloromethane               | 3.15  | 50  | 21356   | 0.334  | ppbv 99    |
| 9) Propene                     | 3.21  | 41  | 94339   | 1.738  | ppbv 84    |
| 10) Heptane                    | 8.12  | 43  | 15201   | 0.120  | ppbv # 71  |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48  | 101 | 3608    | 0.035  | ppbv # 1   |
| 13) Ethanol                    | 3.60  | 45  | 208984  | 70.607 | ppbv # 100 |
| 15) Acetone                    | 3.85  | 43  | 1121191 | 11.003 | ppbv 99    |
| 16) 1,3-Butadiene              | 3.33  | 39  | 3328    | 0.061  | ppbv # 1   |
| 17) tert-Butyl alcohol         | 4.31  | 59  | 3715    | 0.047  | ppbv # 70  |
| 19) Isopropyl Alcohol          | 3.97  | 45  | 72172   | 1.510  | ppbv # 93  |
| 20) Methylene Chloride         | 4.35  | 84  | 476618  | 11.099 | ppbv 98    |
| 23) Vinyl Acetate              | 5.06  | 43  | 30917   | 0.367  | ppbv # 13  |
| 25) Ethyl Acetate              | 5.69  | 43  | 344623  | 1.501  | ppbv # 78  |
| 26) Hexane                     | 5.69  | 57  | 471128  | 4.668  | ppbv # 41  |
| 29) Chloroform                 | 5.75  | 83  | 47111   | 0.277  | ppbv 87    |
| 30) Cyclohexane                | 7.13  | 84  | 5820    | 0.069  | ppbv # 1   |
| 34) 2-Butanone                 | 5.24  | 43  | 16584   | 0.127  | ppbv # 3   |
| 35) Carbon Tetrachloride       | 7.02  | 117 | 5880    | 0.033  | ppbv # 86  |
| 36) Benzene                    | 6.89  | 78  | 572017  | 2.930  | ppbv 97    |
| 39) 1,2-Dichloropropane        | 7.17  | 63  | 622920  | 8.021  | ppbv # 24  |
| 41) Tetrahydrofuran            | 5.68  | 42  | 174853  | 2.225  | ppbv # 49  |
| 44) 2,2,4-Trimethylpentane     | 7.87  | 57  | 34387   | 0.101  | ppbv # 32  |
| 52) Tetrachloroethene          | 11.22 | 164 | 226123  | 2.966  | ppbv 98    |
| 53) Toluene                    | 9.81  | 91  | 53621   | 0.239  | ppbv # 21  |
| 59) m/p-Xylene                 | 12.99 | 91  | 13047   | 0.052  | ppbv # 33  |
| 60) o-Xylene                   | 13.68 | 91  | 9618    | 0.041  | ppbv # 1   |
| 74) 1,2,4-Trimethylbenzene     | 16.75 | 105 | 8499    | 0.031  | ppbv # 68  |
| 76) 1,4-Dichlorobenzene        | 17.13 | 146 | 5406    | 0.034  | ppbv # 9   |

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

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QLast Update : Wed Jun 01 01:22:18 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

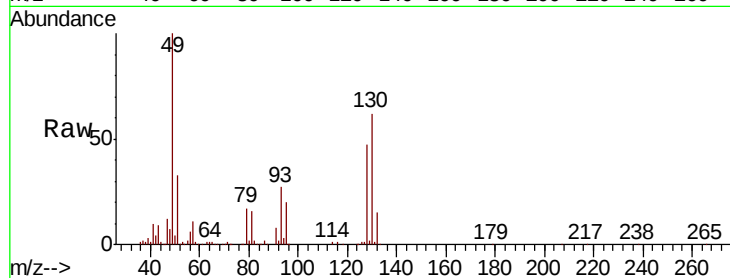
Tot Ion: 49 Resp: 978234

Ion Ratio Lower Upper

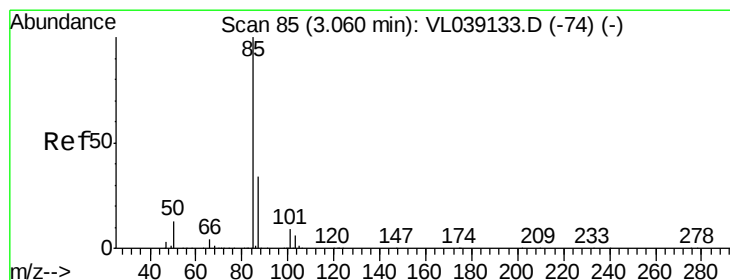
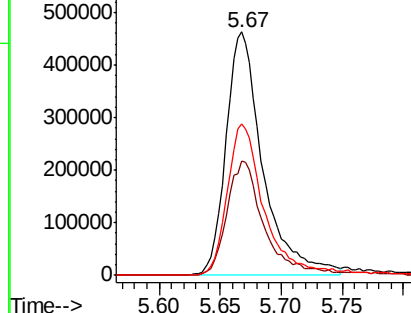
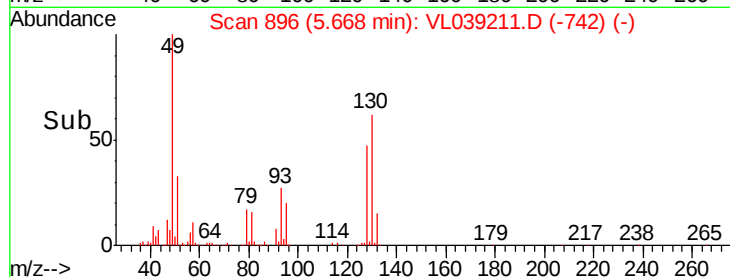
49 100

128 48.7 24.7 74.1

130 64.5 31.4 94.0



Abundance Ion 49.10 (48.80 to 49.80): VL0  
Ion 128.00 (127.70 to 128.70): V  
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.289 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039211.D

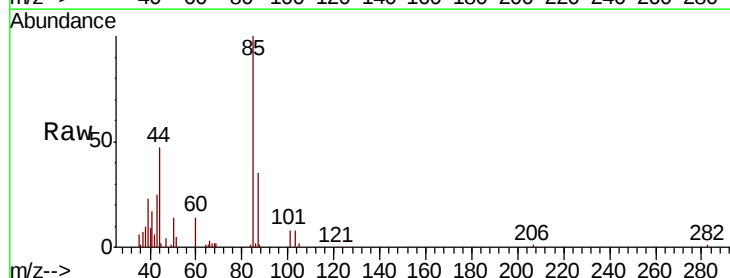
Acq: 7 Jun 2022 16:13

Tgt Ion: 85 Resp: 49677

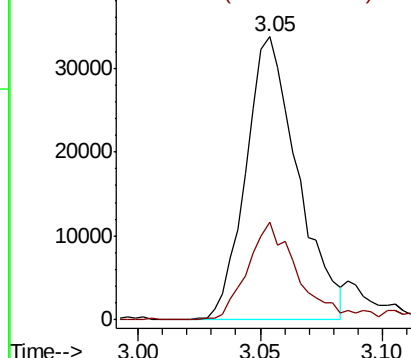
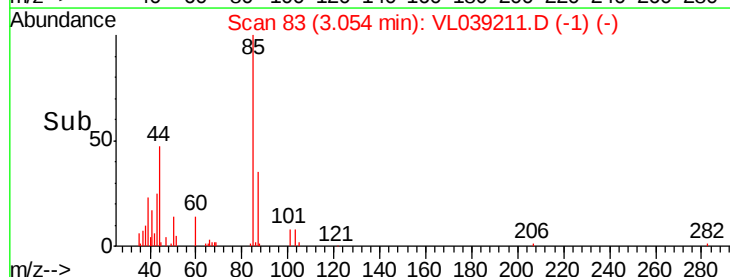
Ion Ratio Lower Upper

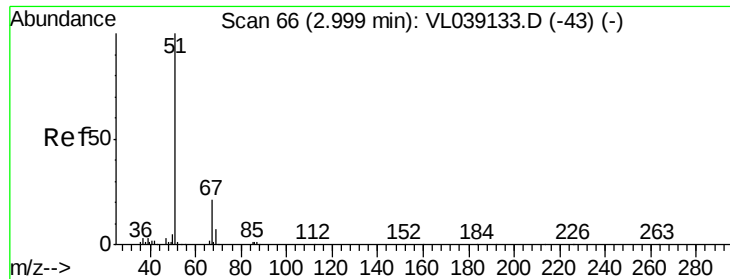
85 100

87 34.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0  
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.885 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL039211.D

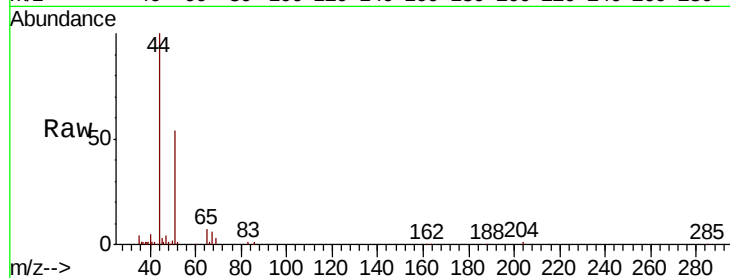
Acq: 7 Jun 2022 16:13

Tot Ion: 51 Resp: 110165

Ion Ratio Lower Upper

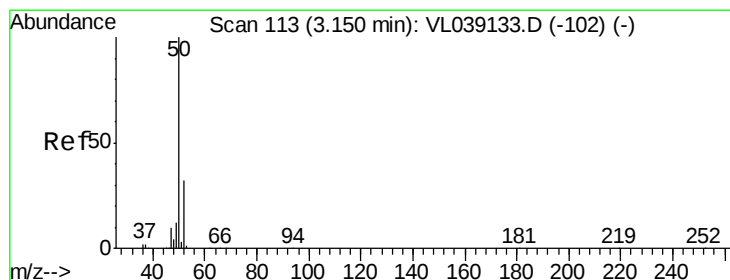
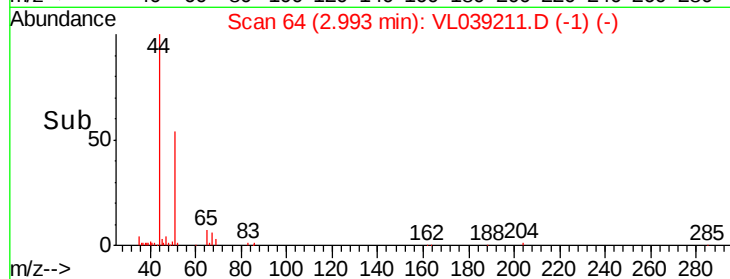
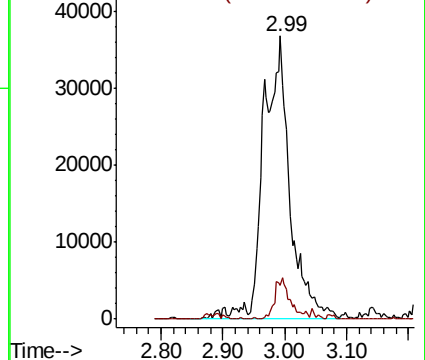
51 100

67 9.0 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.334 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL039211.D

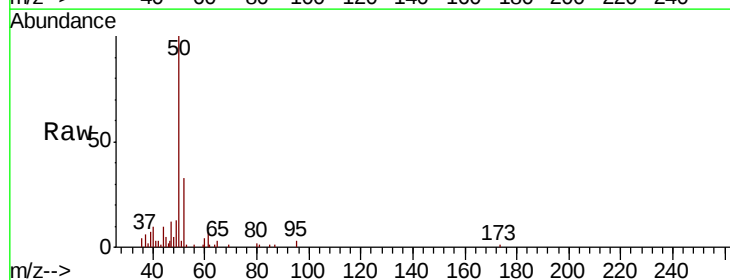
Acq: 7 Jun 2022 16:13

Tgt Ion: 50 Resp: 21356

Ion Ratio Lower Upper

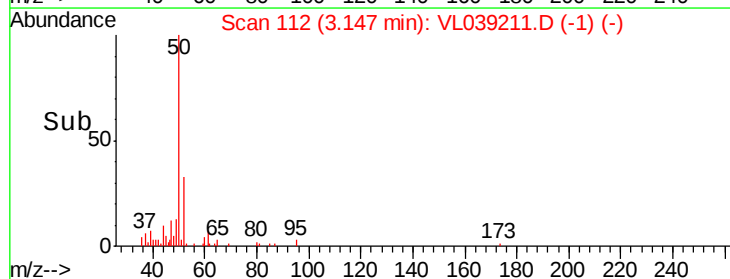
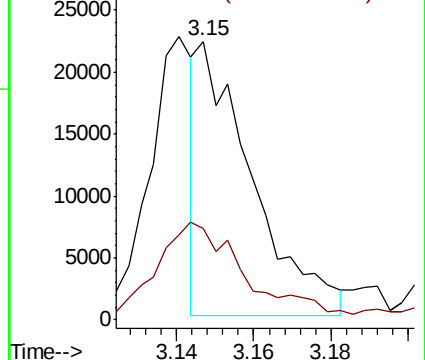
50 100

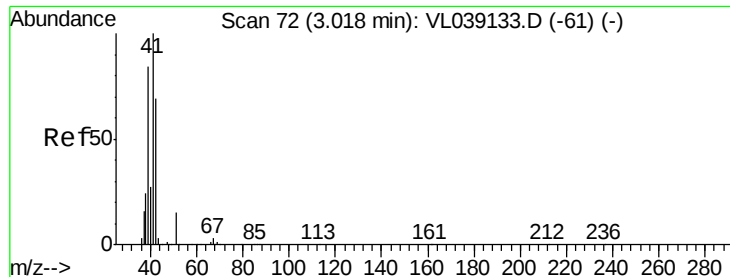
52 33.0 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.738 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.19 min

Lab File: VL039211.D

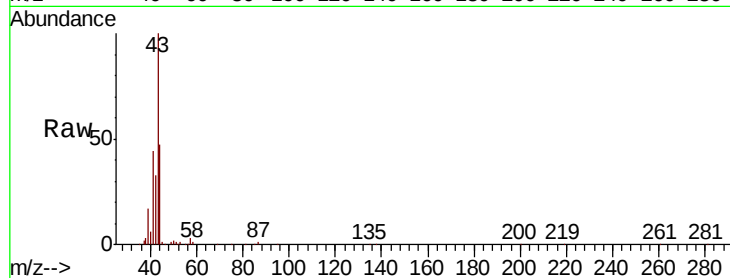
Acq: 7 Jun 2022 16:13

Tot Ion: 41 Resp: 94339

Ion Ratio Lower Upper

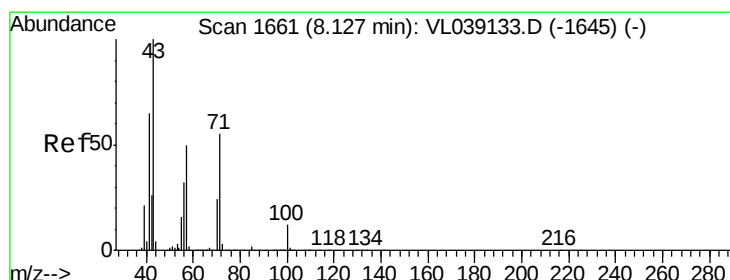
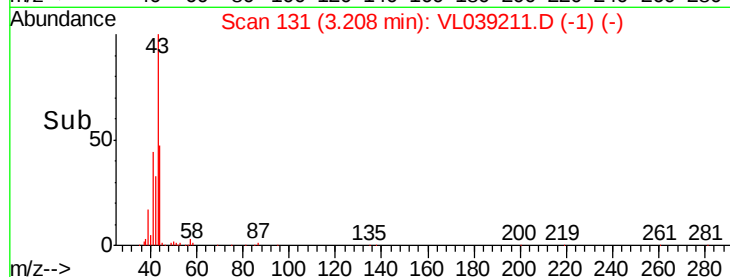
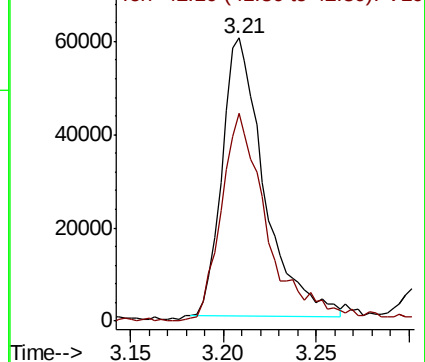
41 100

42 82.5 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.120 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL039211.D

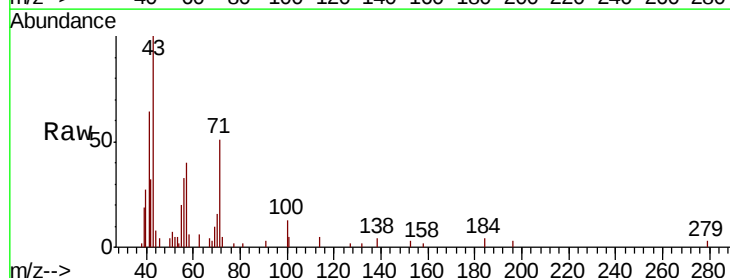
Acq: 7 Jun 2022 16:13

Tgt Ion: 43 Resp: 15201

Ion Ratio Lower Upper

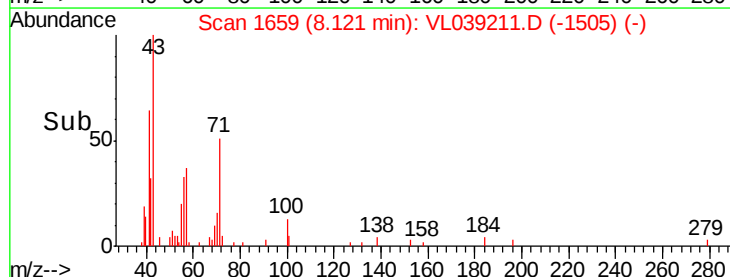
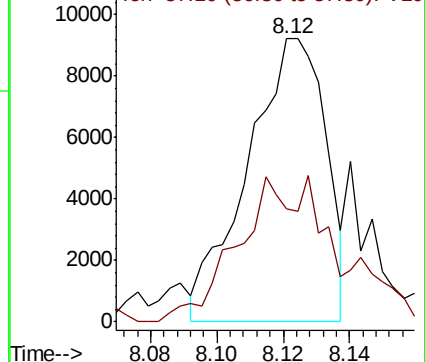
43 100

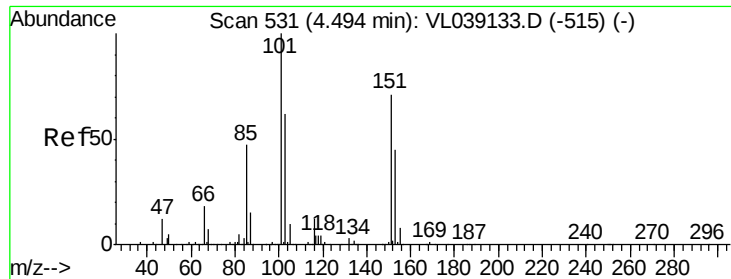
57 72.4 41.4 62.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

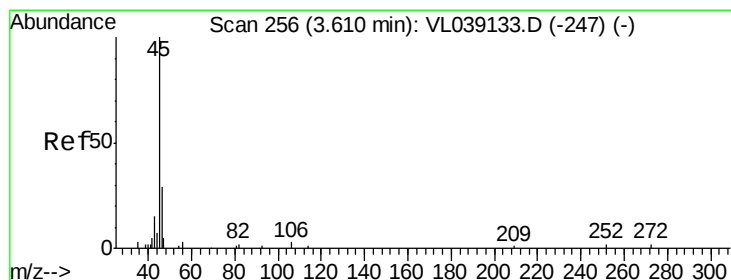
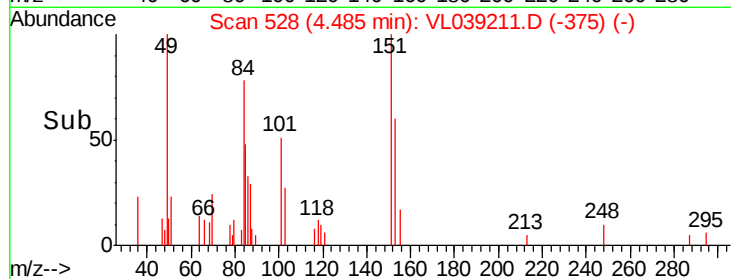
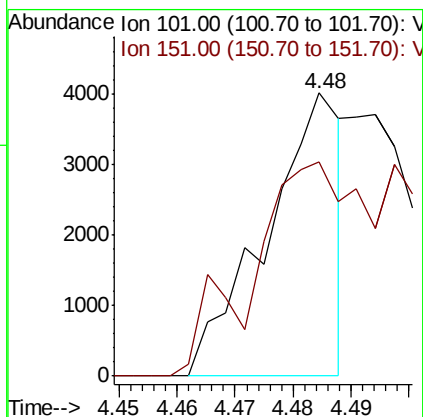
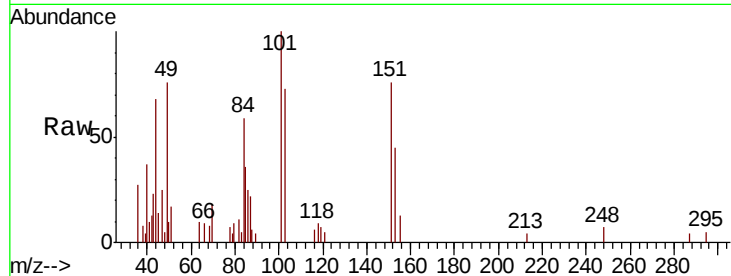
Ion 57.10 (56.80 to 57.80): VL0





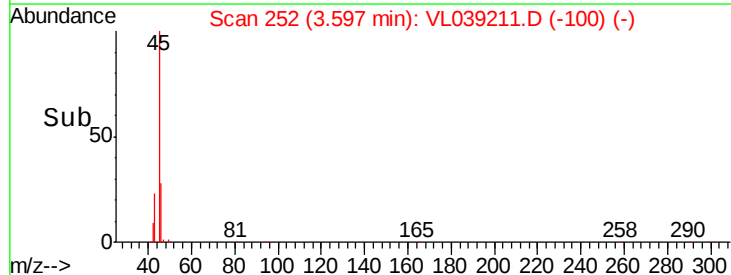
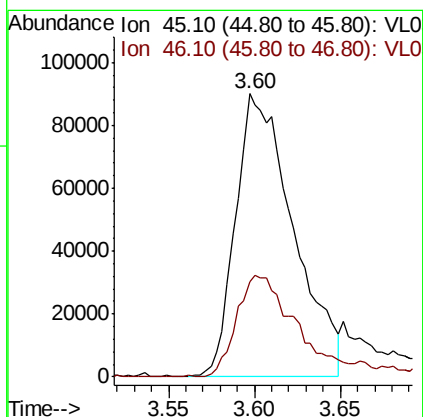
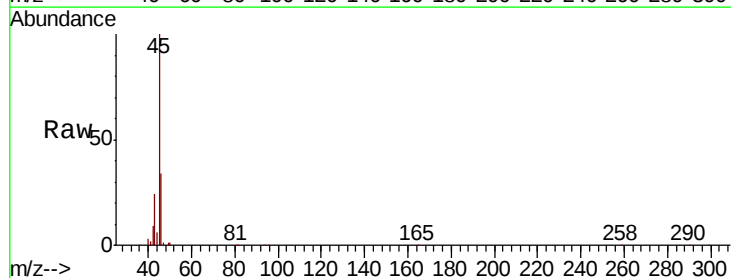
#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.035 ppbv  
 RT: 4.48 min Scan# 528  
 Delta R.T. -0.01 min  
 Lab File: VL039211.D  
 Acq: 7 Jun 2022 16:13

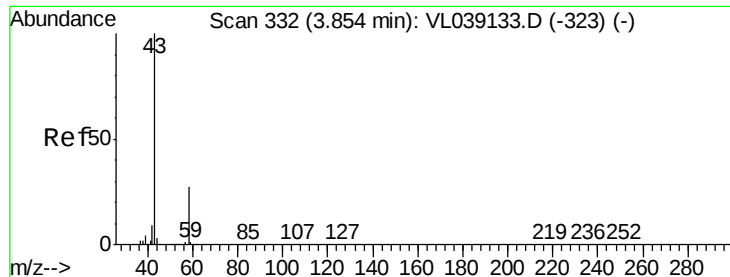
Tot Ion:101 Resp: 3608  
 Ion Ratio Lower Upper  
 101 100  
 151 196.5 59.4 89.0#



#13  
 Ethanol  
 Concen: 70.607 ppbv  
 RT: 3.60 min Scan# 252  
 Delta R.T. -0.01 min  
 Lab File: VL039211.D  
 Acq: 7 Jun 2022 16:13

Tgt Ion: 45 Resp: 208984  
 Ion Ratio Lower Upper  
 45 100  
 46 41.0 0.0 0.0#





#15

Acetone

Concen: 11.003 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL039211.D

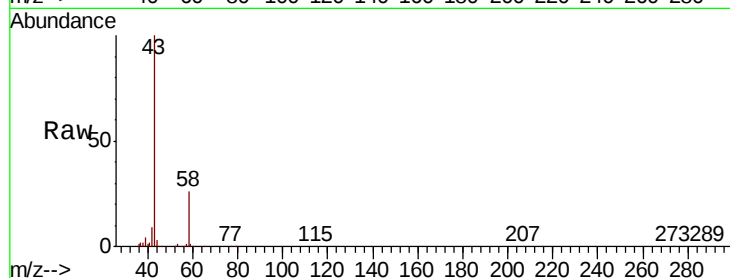
Acq: 7 Jun 2022 16:13

Tot Ion: 43 Resp: 1121191

Ion Ratio Lower Upper

43 100

58 27.7 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

600000

500000

400000

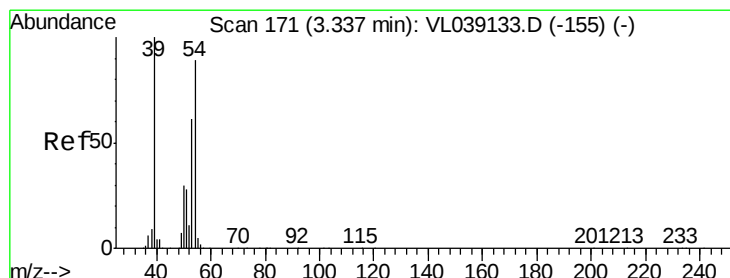
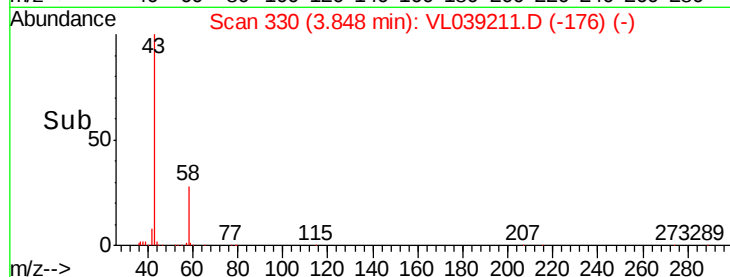
300000

200000

100000

0

Time-->



#16

1,3-Butadiene

Concen: 0.061 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL039211.D

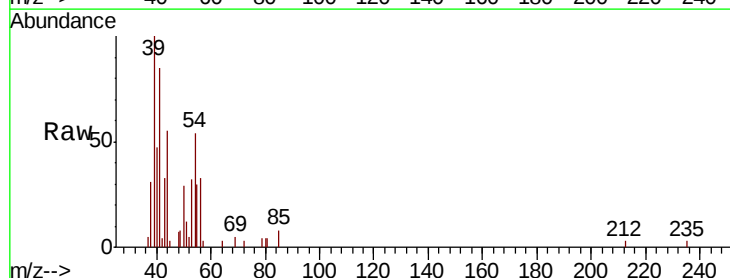
Acq: 7 Jun 2022 16:13

Tgt Ion: 39 Resp: 3328

Ion Ratio Lower Upper

39 100

54 187.6 65.8 98.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

8000

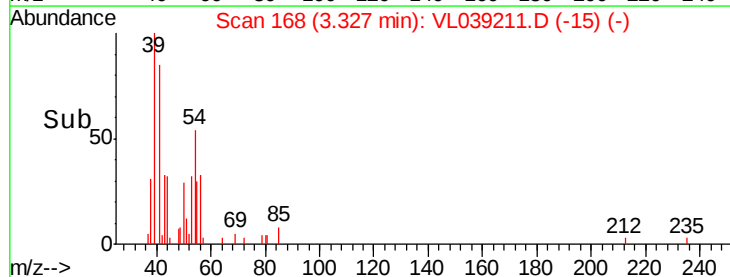
6000

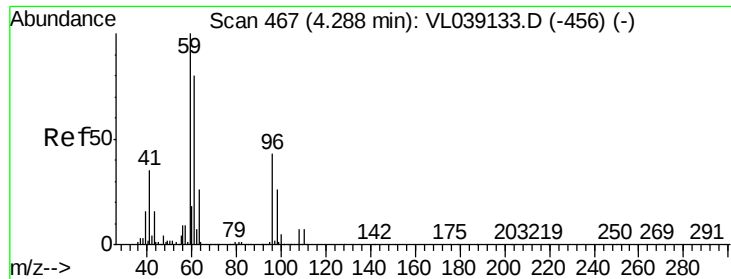
4000

2000

0

Time-->

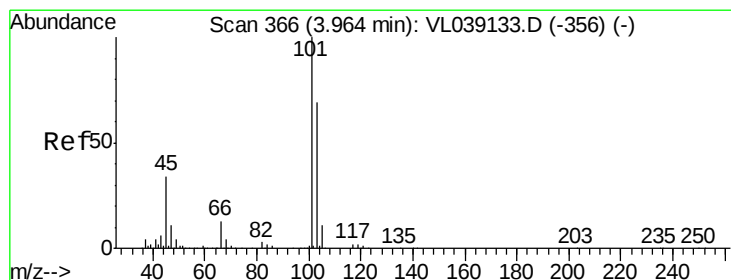
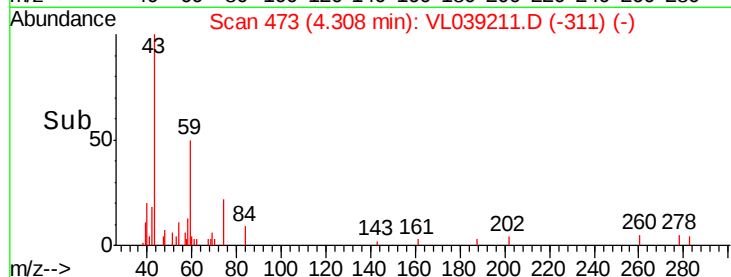
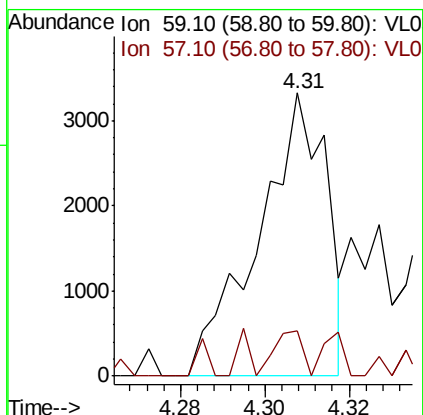
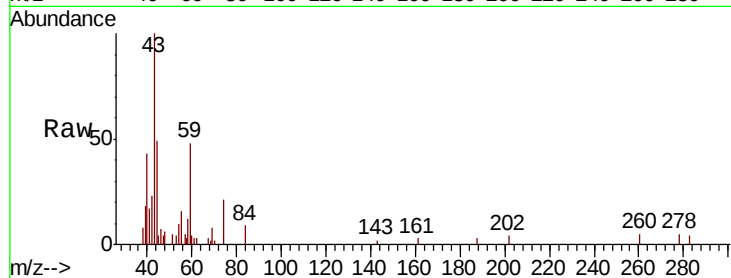




#17

tert-Butyl alcohol  
Concen: 0.047 ppbv  
RT: 4.31 min Scan# 473  
Delta R.T. 0.02 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

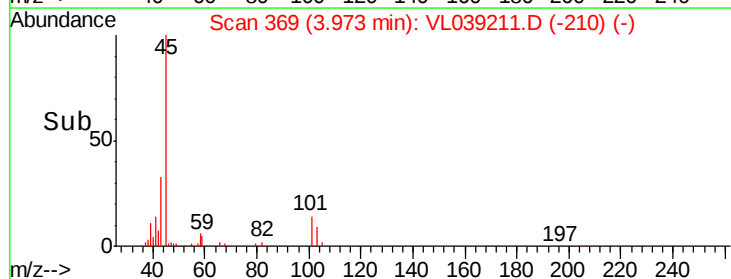
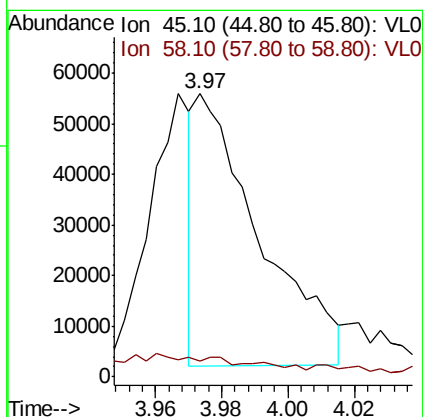
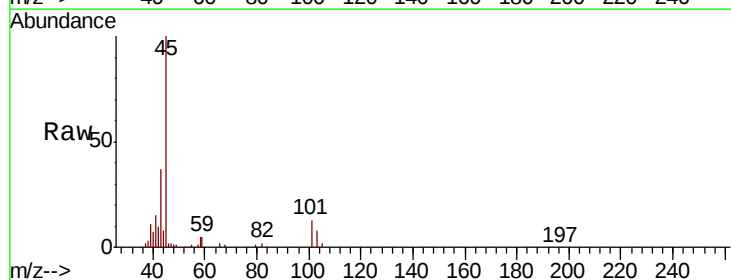
Tot Ion: 59 Resp: 3715  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.1 13.7#

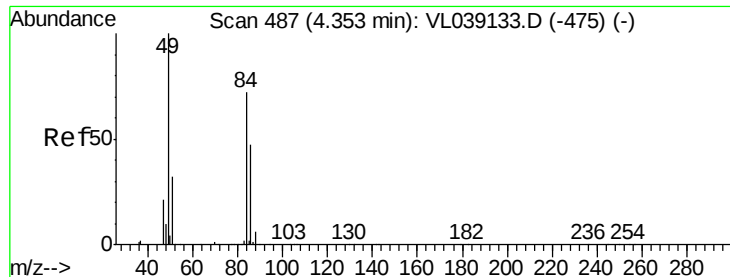


#19

Isopropyl Alcohol  
Concen: 1.510 ppbv  
RT: 3.97 min Scan# 369  
Delta R.T. 0.01 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

Tgt Ion: 45 Resp: 72172  
Ion Ratio Lower Upper  
45 100  
58 0.0 1.8 2.8#





#20

Methylene Chloride

Concen: 11.099 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

Tot Ion: 84 Resp: 476618

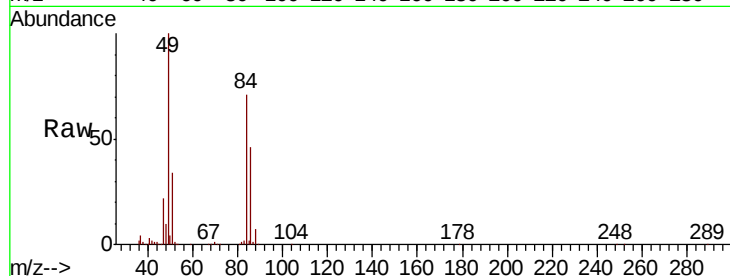
Ion Ratio Lower Upper

84 100

49 140.8 111.1 166.7

51 47.5 35.3 52.9

86 64.7 51.9 77.9

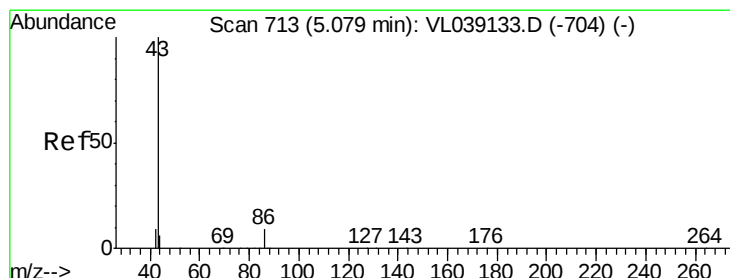
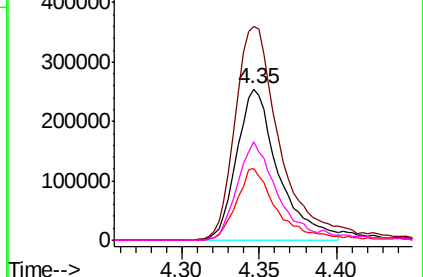
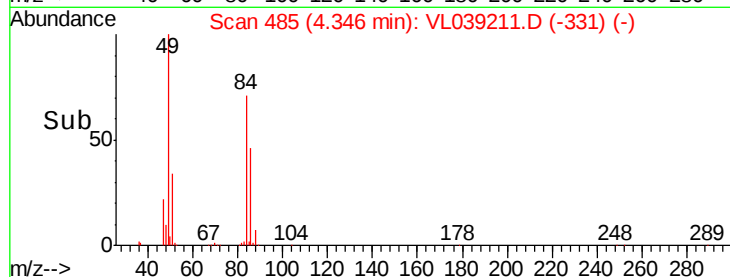


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23

Vinyl Acetate

Concen: 0.367 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

Tgt Ion: 43 Resp: 30917

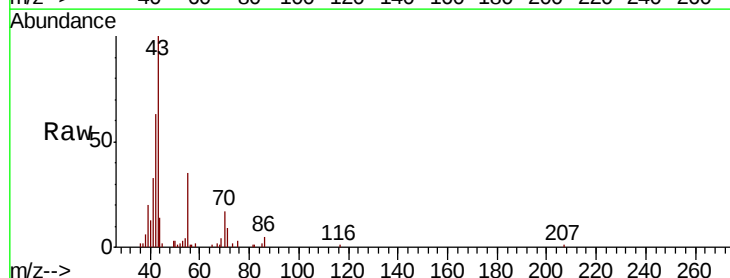
Ion Ratio Lower Upper

43 100

86 1.1 6.0 9.0#

42 72.6 8.2 12.4#

44 16.0 4.3 6.5#

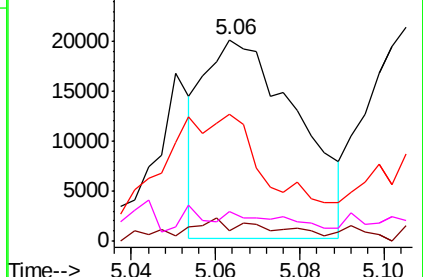
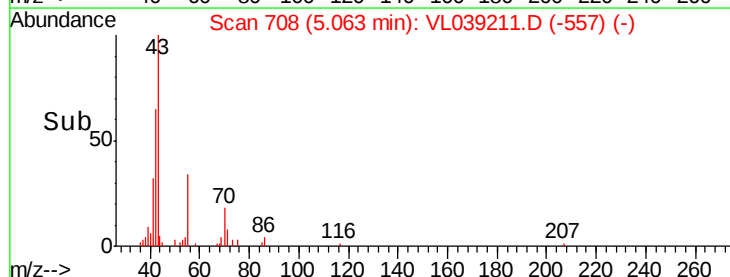


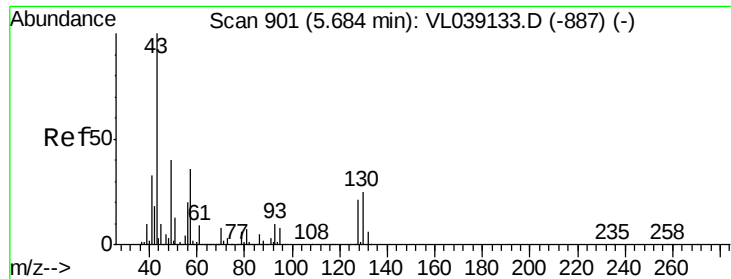
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

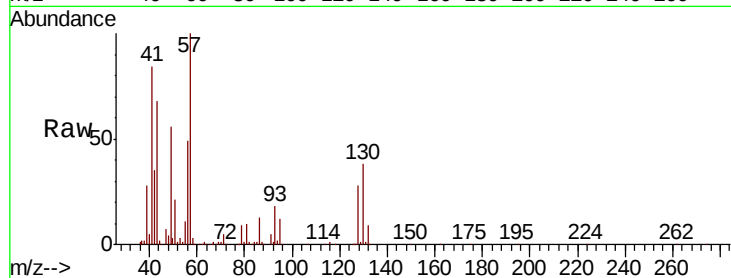
Ion 44.10 (43.80 to 44.80): VL0





#25  
Ethyl Acetate  
Concen: 1.501 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 344623 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 1.5   | 8.2   | 12.2#  |
| 61       | 0.9   | 8.4   | 12.6#  |
| 70       | 1.9   | 5.6   | 8.4#   |



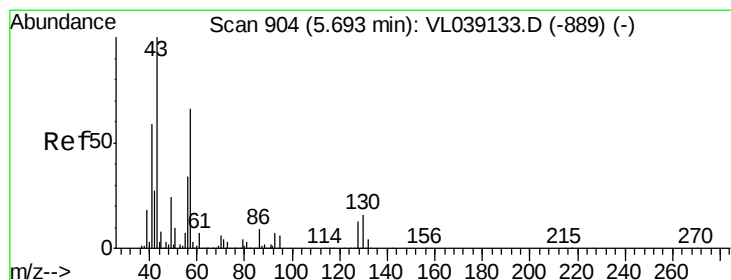
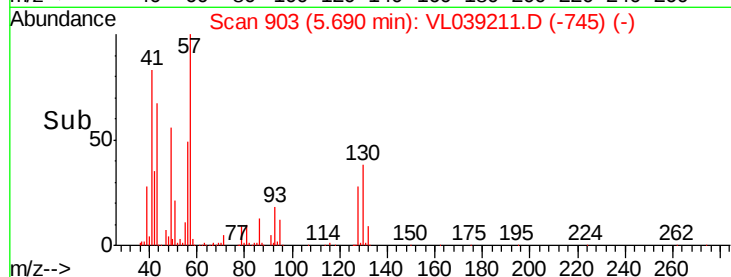
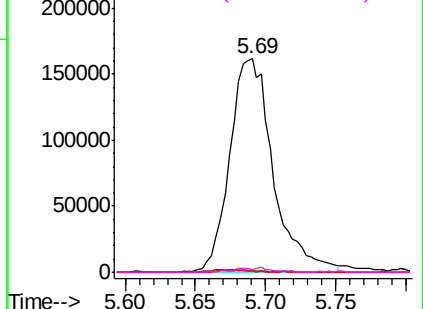
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

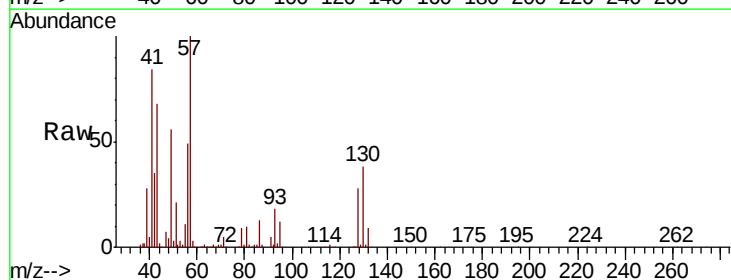
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26  
Hexane  
Concen: 4.668 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. -0.00 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 471128 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 91.7  | 72.4  | 108.6  |
| 43       | 75.3  | 187.0 | 280.6# |
| 56       | 53.4  | 41.8  | 62.6   |



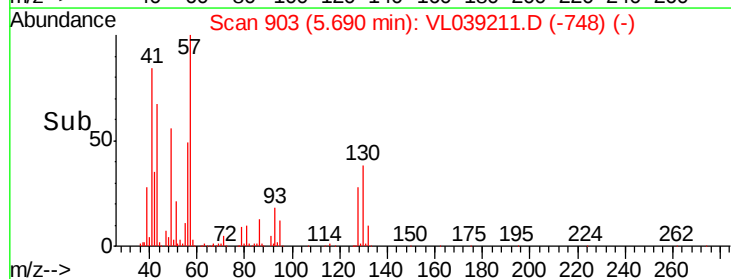
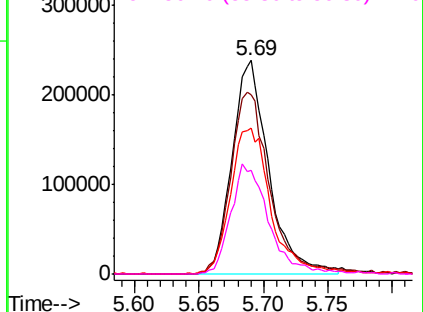
Abundance

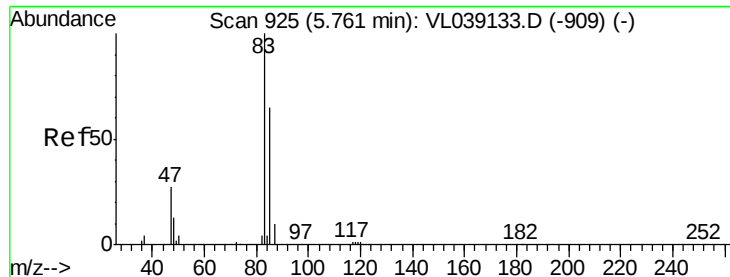
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#29

Chloroform

Concen: 0.277 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL039211.D

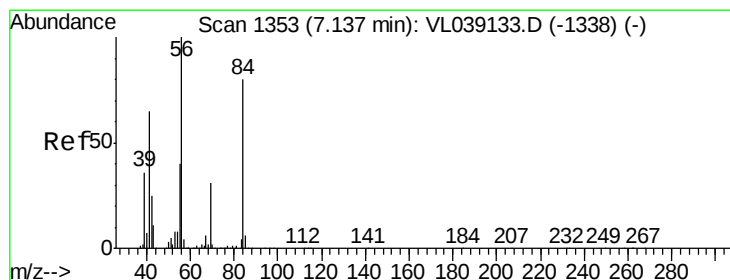
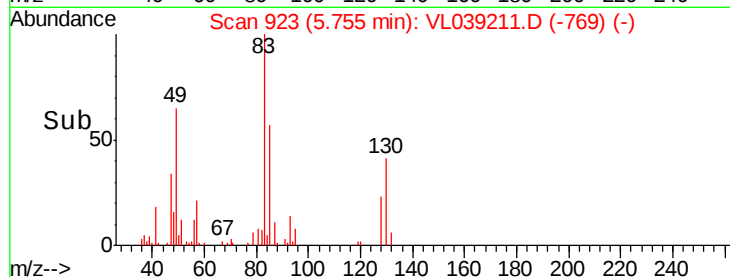
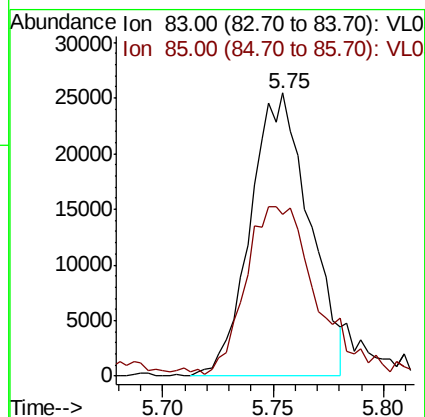
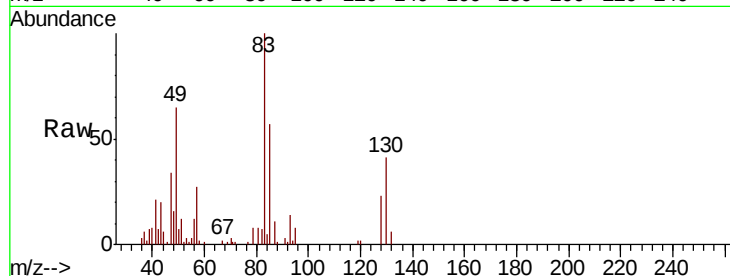
Acq: 7 Jun 2022 16:13

Tot Ion: 83 Resp: 47111

Ion Ratio Lower Upper

83 100

85 55.6 52.4 78.6



#30

Cyclohexane

Concen: 0.069 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

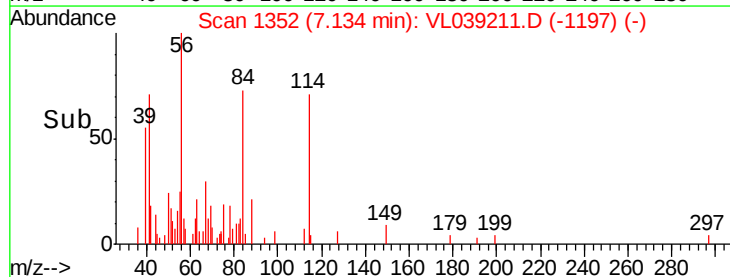
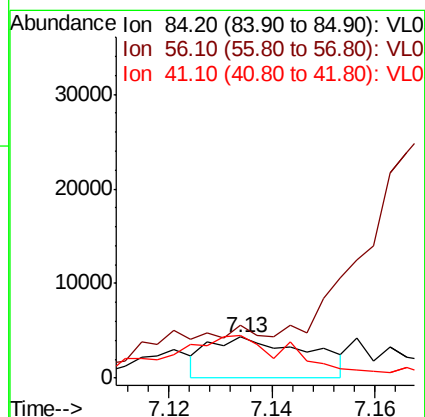
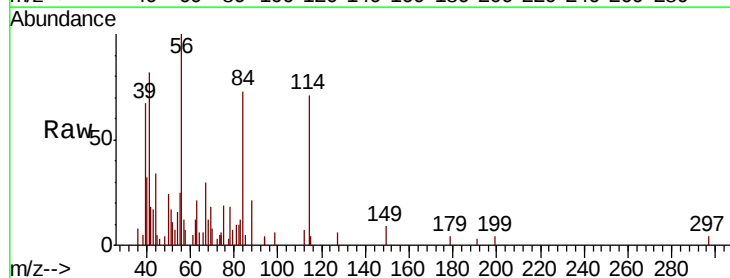
Tgt Ion: 84 Resp: 5820

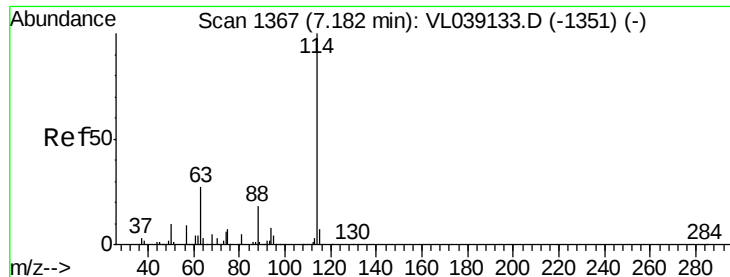
Ion Ratio Lower Upper

84 100

56 0.0 110.6 165.8#

41 172.8 68.9 103.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

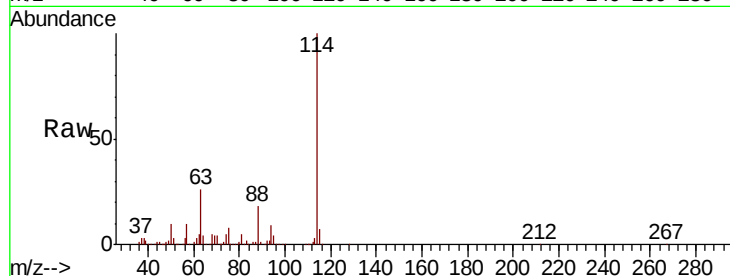
Tot Ion:114 Resp: 2404831

Ion Ratio Lower Upper

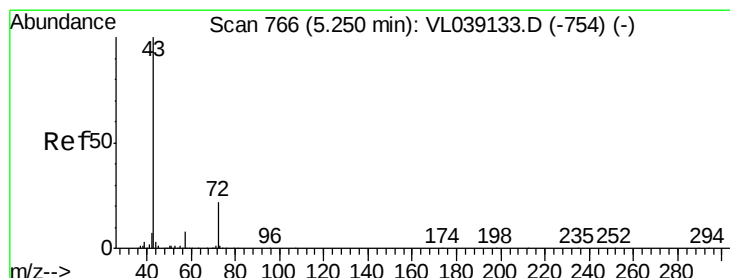
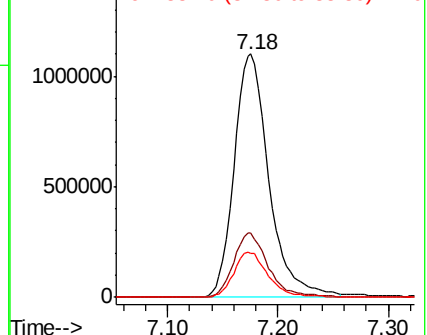
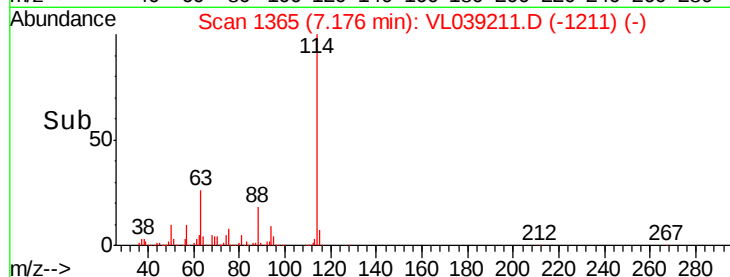
114 100

63 26.6 21.7 32.5

88 18.6 14.8 22.2



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: 0.127 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL039211.D

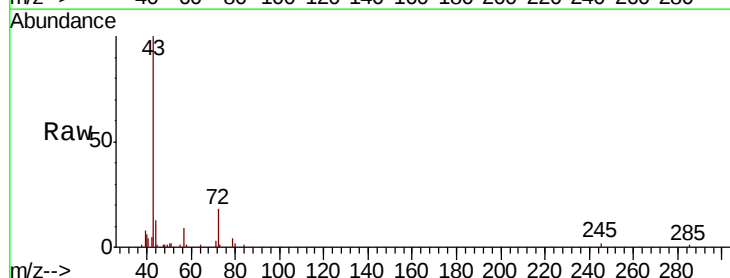
Acq: 7 Jun 2022 16:13

Tgt Ion: 43 Resp: 16584

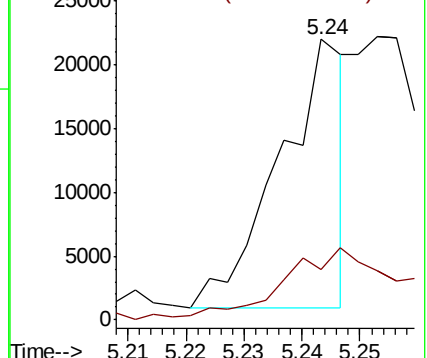
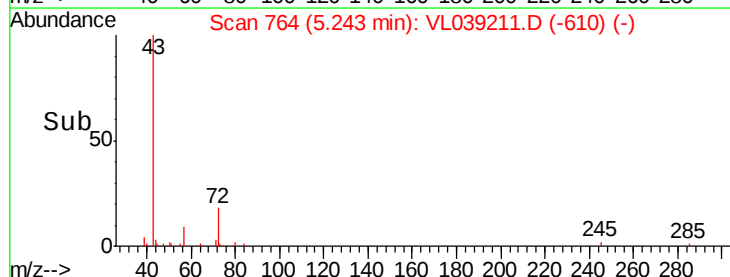
Ion Ratio Lower Upper

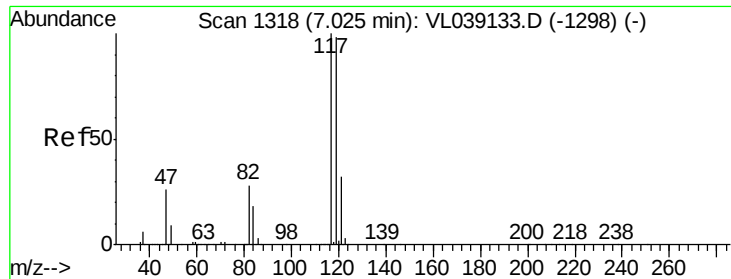
43 100

72 69.3 18.2 27.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0  
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.033 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

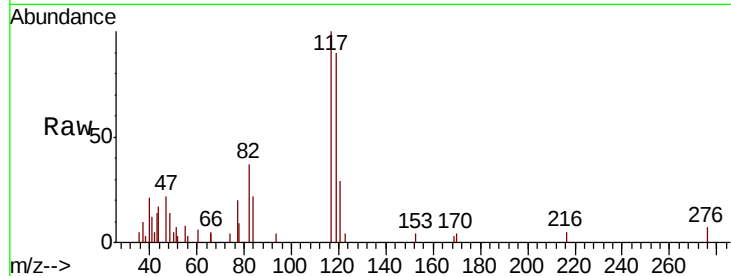
Tot Ion:117 Resp: 5880

Ion Ratio Lower Upper

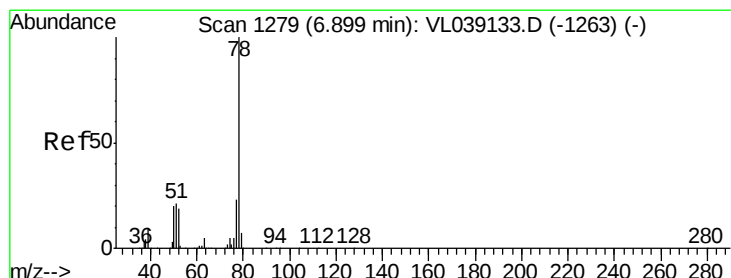
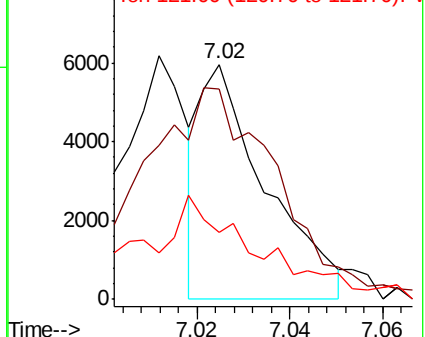
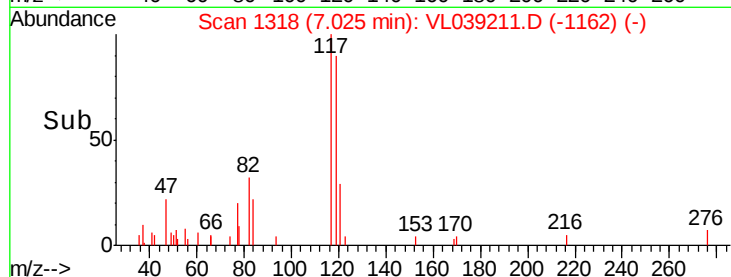
117 100

119 86.8 78.6 118.0

121 20.4 25.4 38.0#



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: 2.930 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

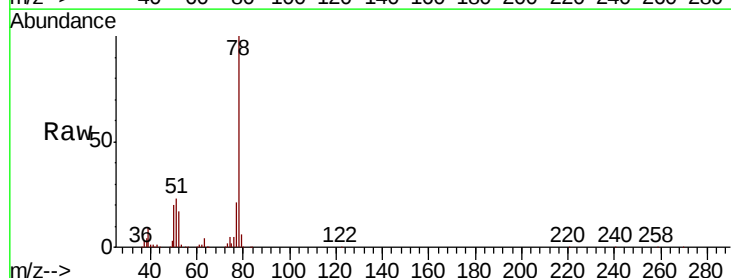
Tgt Ion: 78 Resp: 572017

Ion Ratio Lower Upper

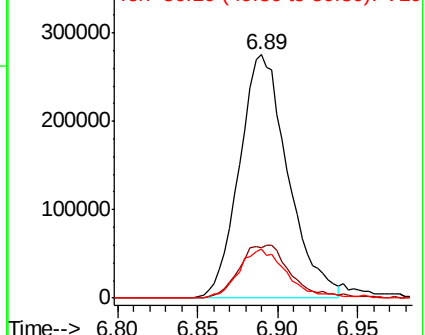
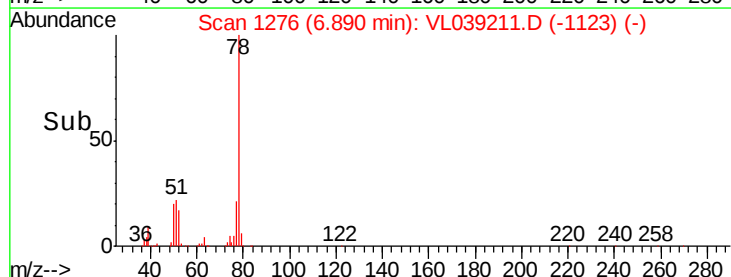
78 100

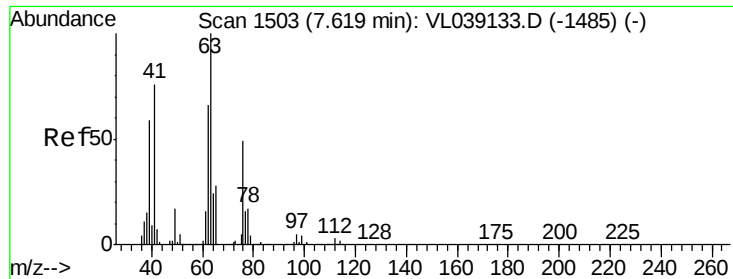
77 20.9 18.6 27.8

50 19.8 15.8 23.8



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





#39

1,2-Dichloropropane

Concen: 8.021 ppbv

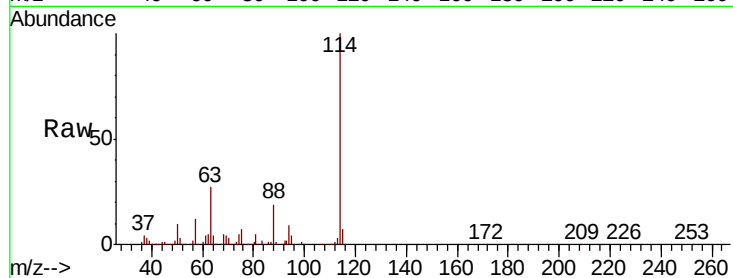
RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

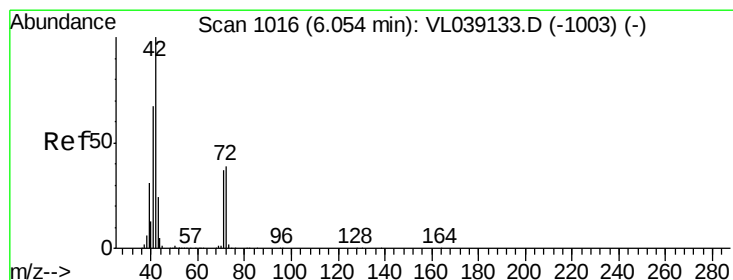
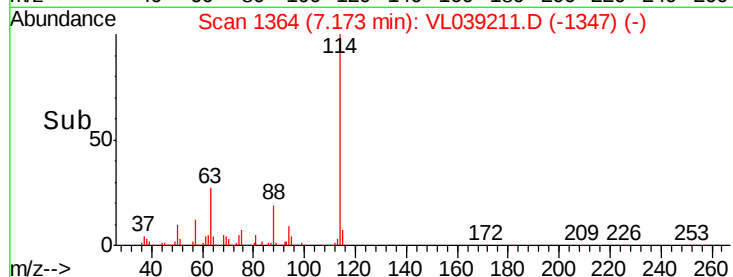
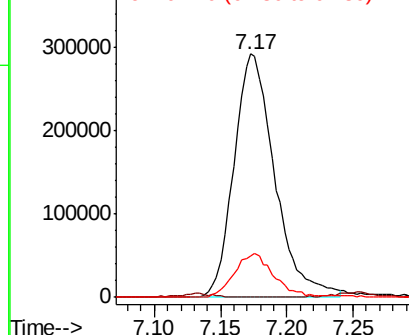
Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 63    | Resp: | 622920 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 41       | 0.0   | 60.8  | 91.2#  |
| 62       | 17.0  | 52.9  | 79.3#  |



Abundance Ion 63.10 (62.80 to 63.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 2.225 ppbv

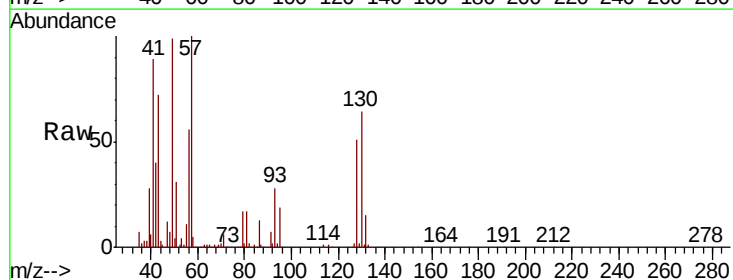
RT: 5.68 min Scan# 901

Delta R.T. -0.37 min

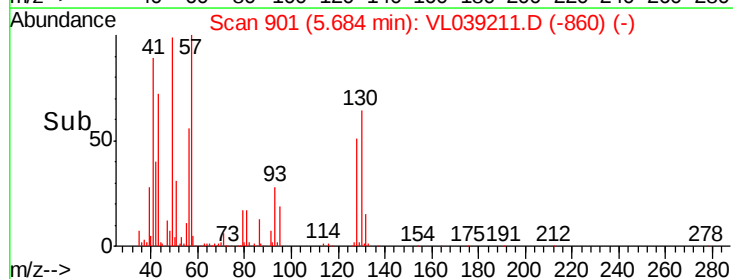
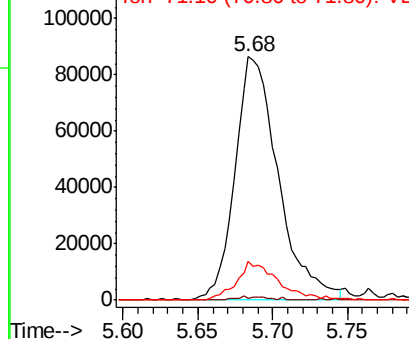
Lab File: VL039211.D

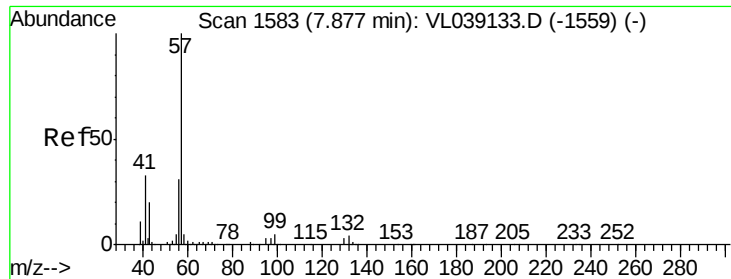
Acq: 7 Jun 2022 16:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 174853 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 1.1   | 32.0  | 48.0#  |
| 71       | 15.4  | 31.1  | 46.7#  |



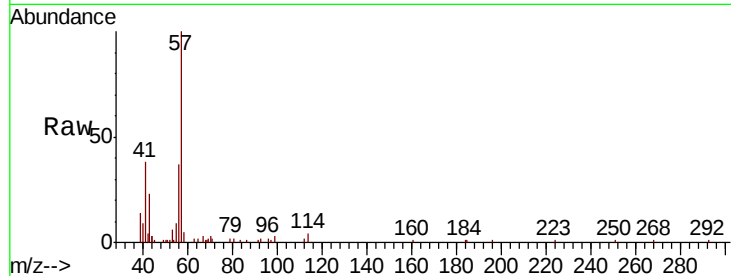
Abundance Ion 42.10 (41.80 to 42.80): VL0  
Ion 72.10 (71.80 to 72.80): VL0  
Ion 71.10 (70.80 to 71.80): VL0



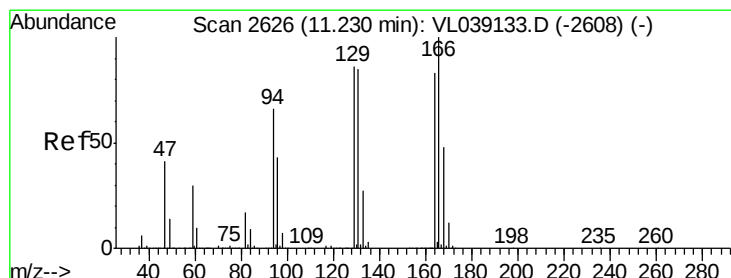
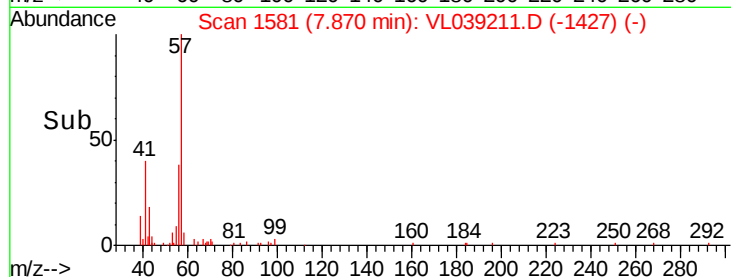
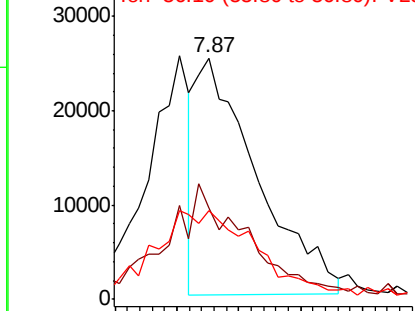


#44  
2,2,4-Trimethylpentane  
Concen: 0.101 ppbv  
RT: 7.87 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

Tot Ion: 57 Resp: 34387  
Ion Ratio Lower Upper  
57 100  
41 76.8 26.2 39.4#  
56 0.0 24.7 37.1#

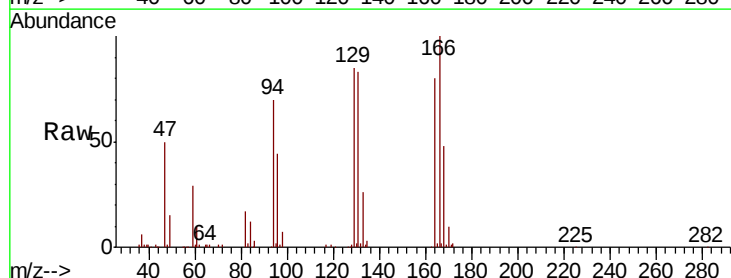


Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0

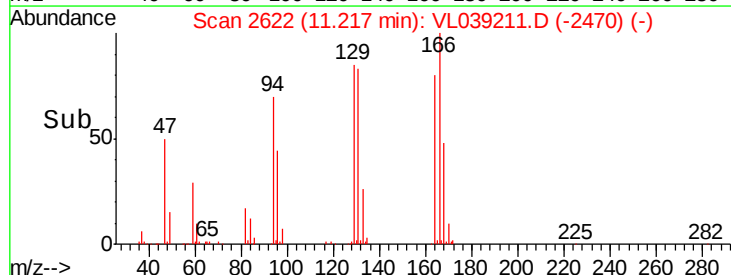
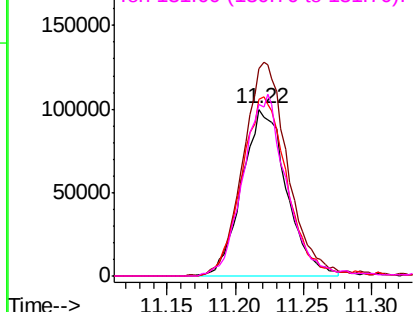


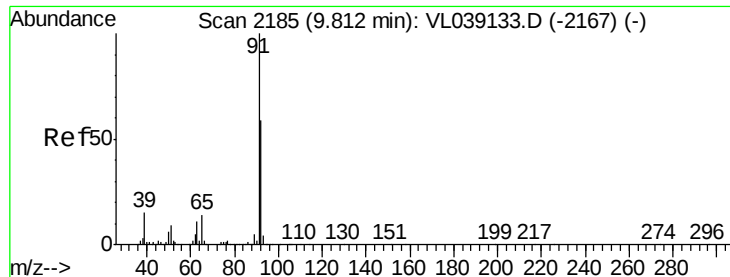
#52  
Tetrachloroethene  
Concen: 2.966 ppbv  
RT: 11.22 min Scan# 2622  
Delta R.T. -0.01 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

Tgt Ion:164 Resp: 226123  
Ion Ratio Lower Upper  
164 100  
166 123.8 96.3 144.5  
129 105.9 82.5 123.7  
131 102.7 82.1 123.1



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 165.90 (165.60 to 166.60): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.239 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL039211.D

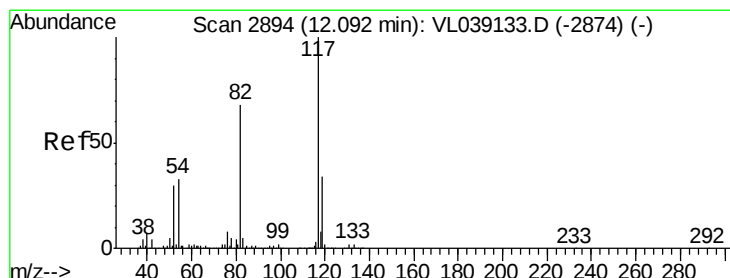
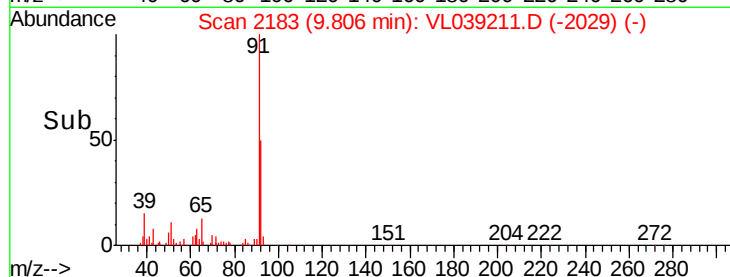
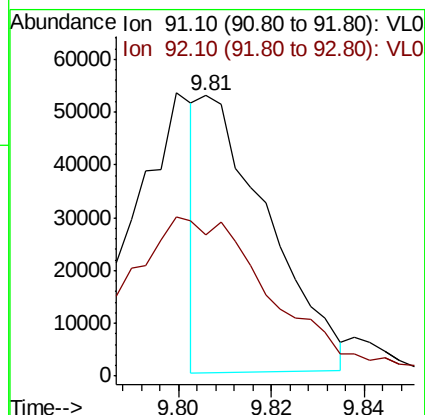
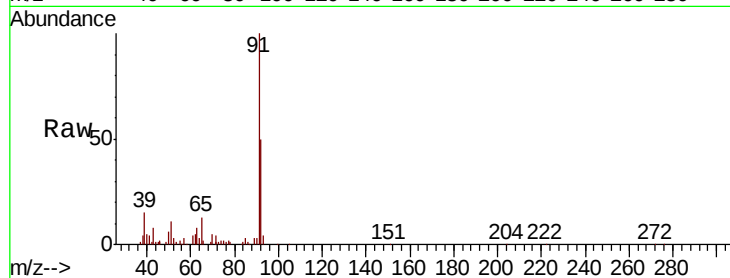
Acq: 7 Jun 2022 16:13

Tot Ion: 91 Resp: 53621

Ion Ratio Lower Upper

91 100

92 0.0 48.1 72.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

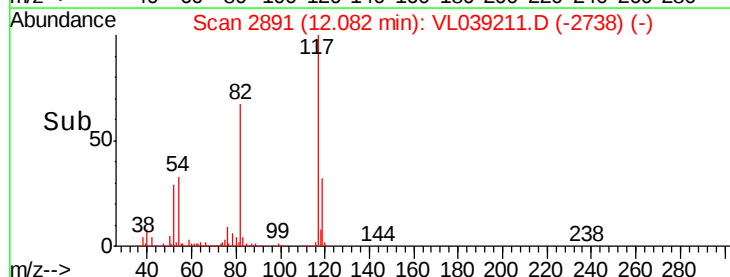
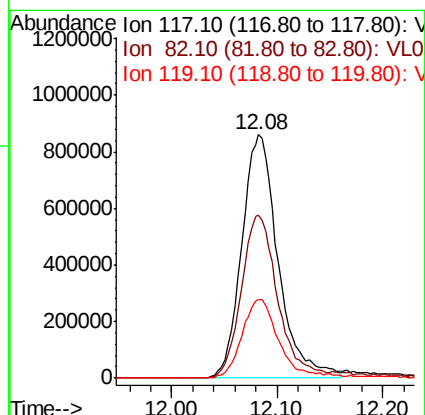
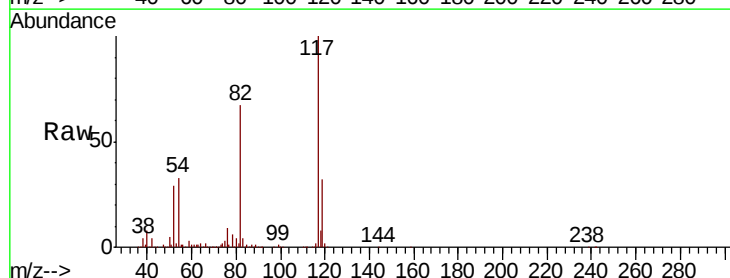
Tgt Ion: 117 Resp: 2063914

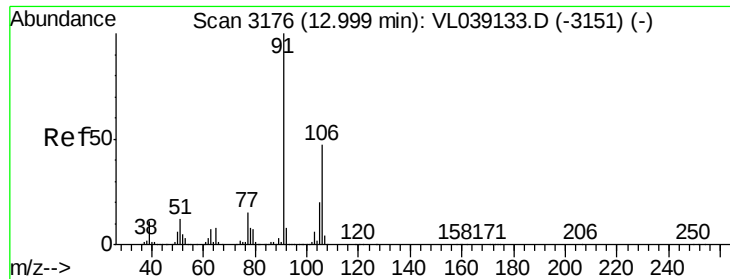
Ion Ratio Lower Upper

117 100

82 71.4 55.1 82.7

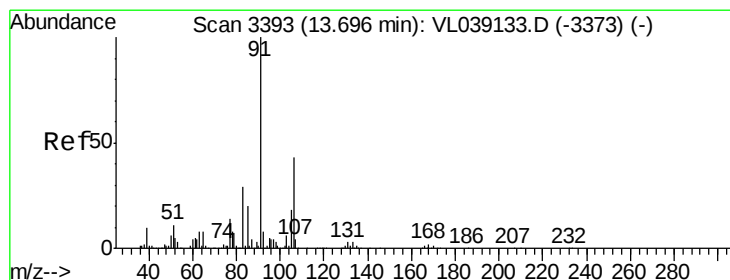
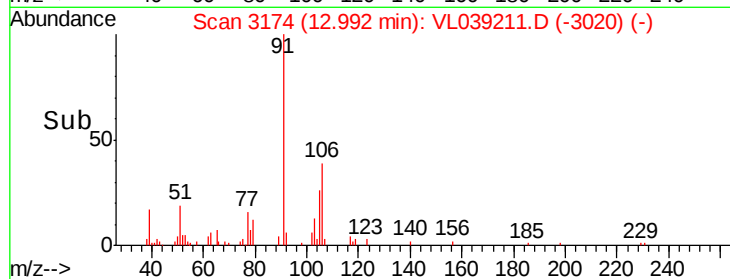
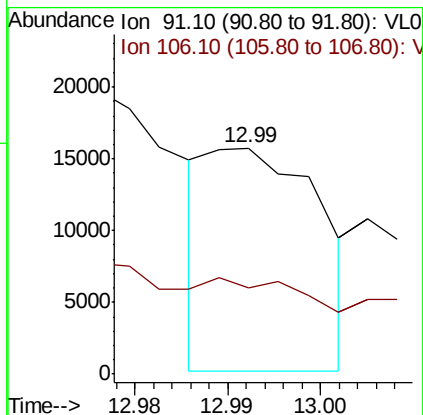
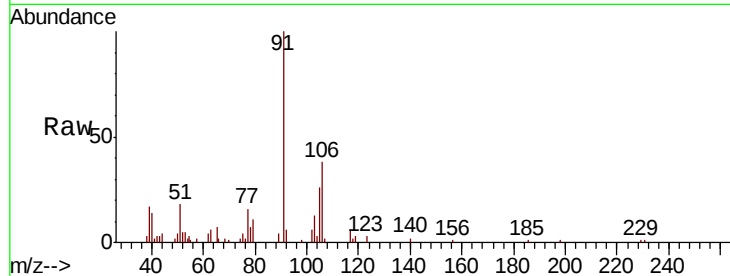
119 34.1 24.7 37.1





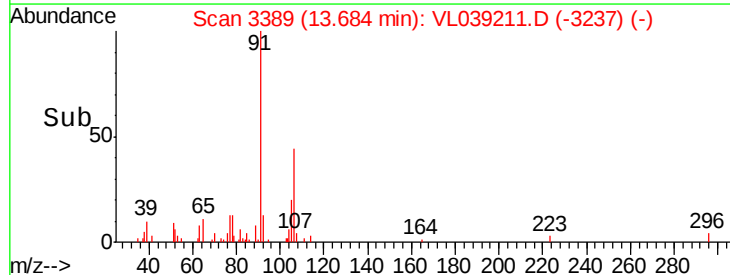
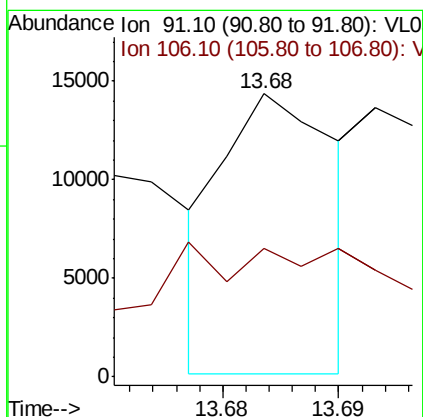
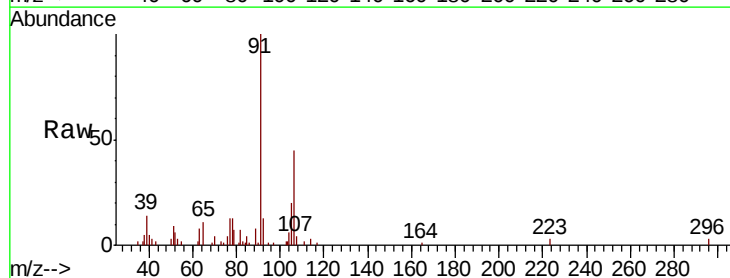
#59  
m/p-Xylene  
Concen: 0.052 ppbv  
RT: 12.99 min Scan# 3174  
Delta R.T. -0.01 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

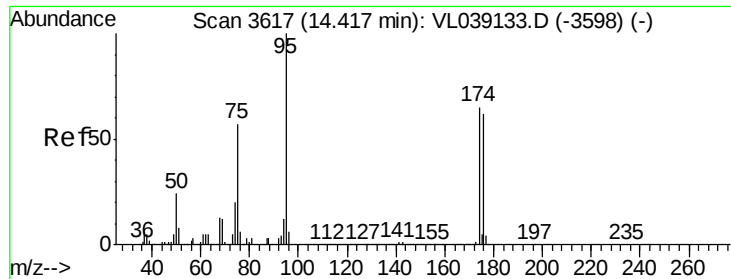
Tot Ion: 91 Resp: 13047  
Ion Ratio Lower Upper  
91 100  
106 0.0 34.3 51.5#



#60  
o-Xylene  
Concen: 0.041 ppbv  
RT: 13.68 min Scan# 3389  
Delta R.T. -0.01 min  
Lab File: VL039211.D  
Acq: 7 Jun 2022 16:13

Tgt Ion: 91 Resp: 9618  
Ion Ratio Lower Upper  
91 100  
106 167.1 22.3 66.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.875 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

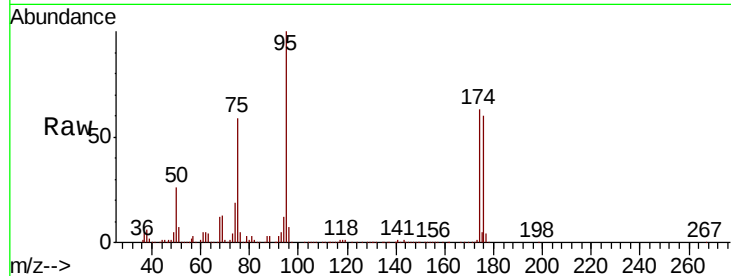
Tot Ion: 95 Resp: 1684914

Ion Ratio Lower Upper

95 100

174 67.3 53.8 80.8

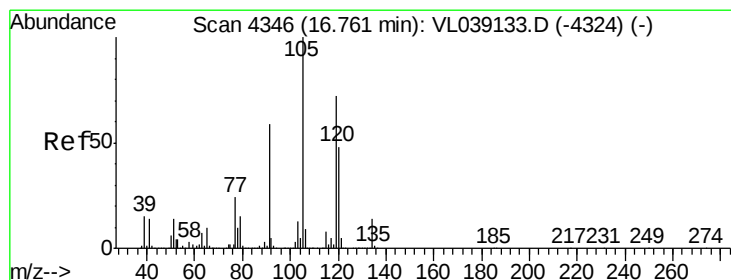
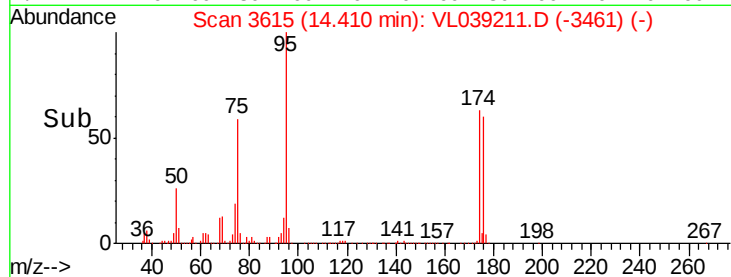
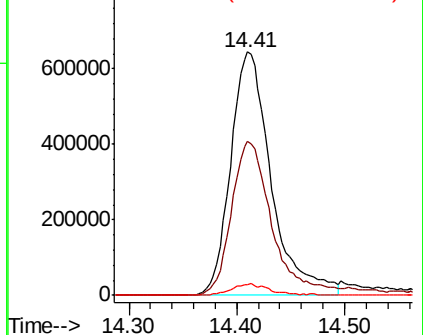
175 4.6 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.031 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL039211.D

Acq: 7 Jun 2022 16:13

Tgt Ion: 105 Resp: 8499

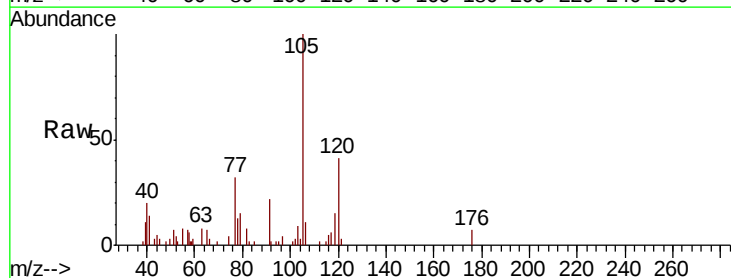
Ion Ratio Lower Upper

105 100

120 36.0 38.1 57.1#

91 21.0 47.4 71.0#

77 31.3 19.5 29.3#

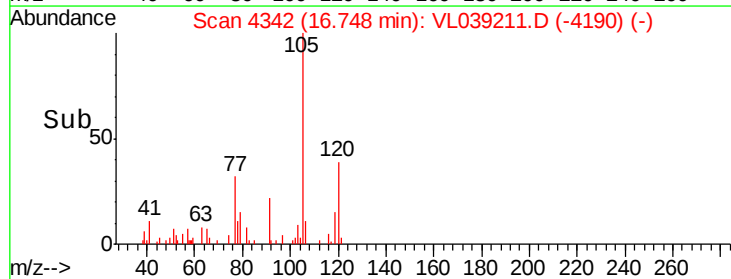
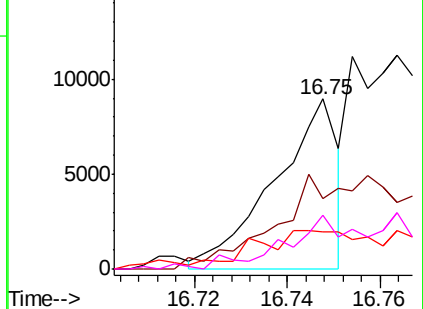


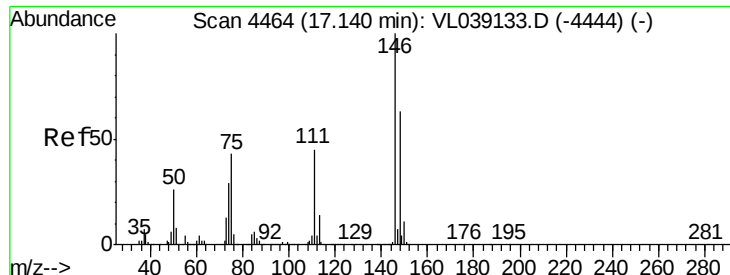
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

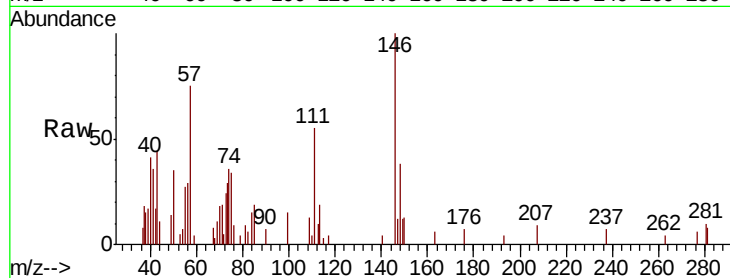
Ion 77.10 (76.80 to 77.80): VL0





#76  
 1,4-Dichlorobenzene  
 Concen: 0.034 ppbv  
 RT: 17.13 min Scan# 4461  
 Delta R.T. -0.01 min  
 Lab File: VL039211.D  
 Acq: 7 Jun 2022 16:13

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 146     | 100   |       |        |
| 111     | 115.7 | 23.6  | 71.0#  |
| 148     | 0.0   | 33.7  | 101.0# |



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

