

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\  
 Data File : VL039431.D  
 Acq On : 5 Jul 2022 23:00  
 Operator : SY/AP  
 Sample : N3573-02  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 IA1

Quant Time: Jul 06 02:37:19 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jul 06 02:15:38 2022  
 QLast Update : Wed Jul 06 02:15:38 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.69  | 49   | 1184734  | 10.00 | ppbv  | 0.04     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 3112323  | 10.00 | ppbv  | 0.04     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2760982  | 10.00 | ppbv  | 0.03     |

## System Monitoring Compounds

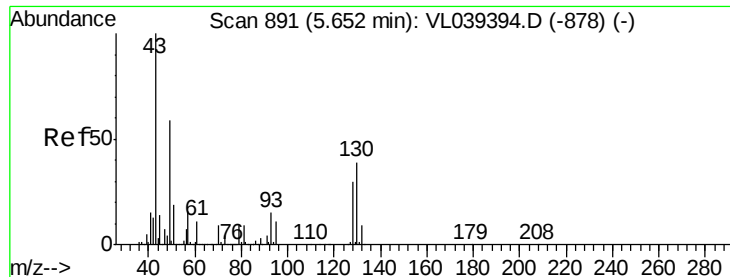
|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2028825  | 9.91     | ppbv | 0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.10% |

## Target Compounds

|                            |       |     |          |         | Ovalue |     |
|----------------------------|-------|-----|----------|---------|--------|-----|
| 2) Dichlorodifluoromethane | 3.06  | 85  | 41154    | 0.241   | ppbv # | 86  |
| 3) Chlorodifluoromethane   | 2.97  | 51  | 333242   | 2.217   | ppbv # | 65  |
| 4) Chloromethane           | 3.15  | 50  | 31910    | 0.388   | ppbv   | 97  |
| 7) Chloroethane            | 3.58  | 64  | 1239     | 0.043   | ppbv # | 72  |
| 9) Propene                 | 3.03  | 41  | 203055   | 2.991   | ppbv # | 67  |
| 10) Heptane                | 8.13  | 43  | 71886    | 0.452   | ppbv   | 91  |
| 11) Trichlorofluoromethane | 3.96  | 101 | 39129    | 0.205   | ppbv   | 93  |
| 13) Ethanol                | 3.62  | 45  | 3565619  | 905.400 | ppbv   | 72  |
| 15) Acetone                | 3.99  | 43  | 7858900  | 56.070  | ppbv # | 1   |
| 16) 1,3-Butadiene          | 3.37  | 39  | 207952   | 2.859   | ppbv # | 14  |
| 17) tert-Butyl alcohol     | 3.99  | 59  | 1014460  | 8.528   | ppbv   | 99  |
| 19) Isopropyl Alcohol      | 3.99  | 45  | 18966813 | 253.691 | ppbv # | 88  |
| 20) Methylene Chloride     | 4.37  | 84  | 839819   | 15.032  | ppbv   | 97  |
| 21) Allyl Chloride         | 4.13  | 41  | 42582    | 0.439   | ppbv # | 19  |
| 23) Vinyl Acetate          | 5.09  | 43  | 55663    | 0.594   | ppbv # | 83  |
| 25) Ethyl Acetate          | 5.69  | 43  | 8119154  | 28.251  | ppbv # | 90  |
| 26) Hexane                 | 5.70  | 57  | 615845   | 5.316   | ppbv # | 1   |
| 29) Chloroform             | 5.78  | 83  | 845871   | 4.199   | ppbv   | 94  |
| 31) cis-1,2-Dichloroethene | 5.69  | 61  | 1082740  | 8.808   | ppbv # | 23  |
| 34) 2-Butanone             | 5.26  | 43  | 401072   | 2.560   | ppbv   | 99  |
| 35) Carbon Tetrachloride   | 7.04  | 117 | 8419     | 0.044   | ppbv # | 89  |
| 36) Benzene                | 6.91  | 78  | 75196    | 0.312   | ppbv   | 94  |
| 37) 1,2-Dichloroethane     | 6.33  | 62  | 4725     | 0.033   | ppbv # | 81  |
| 39) 1,2-Dichloropropane    | 7.20  | 63  | 771975   | 8.579   | ppbv # | 24  |
| 41) Tetrahydrofuran        | 5.69  | 42  | 839437   | 9.246   | ppbv # | 43  |
| 43) Methyl Methacrylate    | 8.03  | 69  | 9387126  | 102.489 | ppbv   | 93  |
| 44) 2,2,4-Trimethylpentane | 7.88  | 57  | 74459    | 0.182   | ppbv # | 56  |
| 50) 4-Methyl-2-Pentanone   | 8.76  | 43  | 14150    | 0.060   | ppbv # | 49  |
| 52) Tetrachloroethene      | 11.24 | 164 | 29630    | 0.306   | ppbv   | 97  |
| 53) Toluene                | 9.82  | 91  | 970127   | 3.492   | ppbv   | 100 |
| 58) Ethyl Benzene          | 12.72 | 91  | 37361    | 0.105   | ppbv   | 92  |
| 59) m/p-Xylene             | 13.00 | 91  | 43796    | 0.139   | ppbv # | 32  |
| 60) o-Xylene               | 13.70 | 91  | 26004    | 0.087   | ppbv # | 28  |
| 69) p-Isopropyltoluene     | 17.67 | 119 | 17021    | 0.036   | ppbv # | 48  |
| 74) 1,2,4-Trimethylbenzene | 16.78 | 105 | 25287    | 0.071   | ppbv # | 65  |
| 76) 1,4-Dichlorobenzene    | 17.15 | 146 | 7755     | 0.037   | ppbv # | 1   |
| 80) Naphthalene,2-methyl-  | 24.98 | 142 | 12102    | 0.145   | ppbv # | 53  |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 5 Jul 2022 23:00

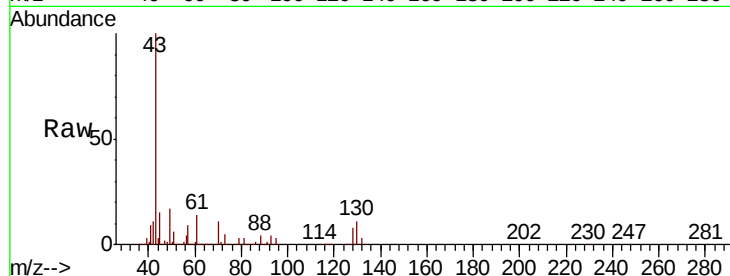
Tot Ion: 49 Resp: 1184734

Ion Ratio Lower Upper

49 100

128 50.6 26.7 80.0

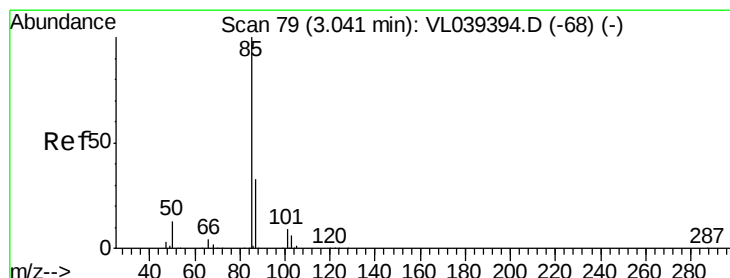
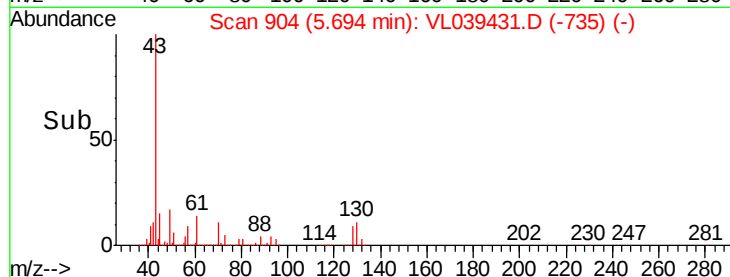
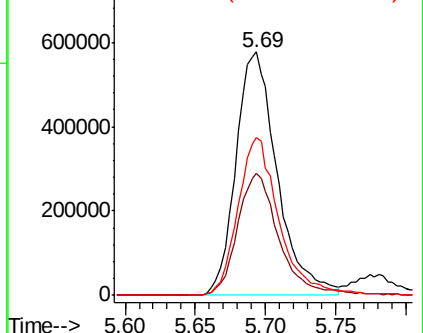
130 65.4 34.3 102.8



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: 0.241 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039431.D

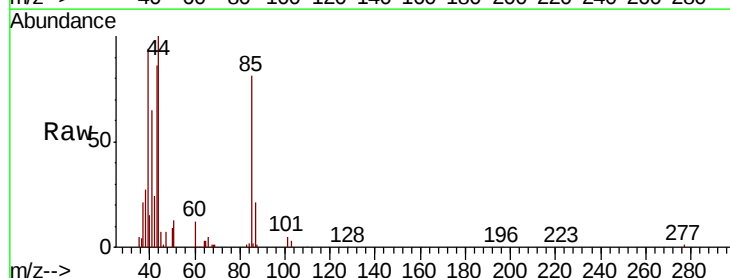
Acq: 5 Jul 2022 23:00

Tgt Ion: 85 Resp: 41154

Ion Ratio Lower Upper

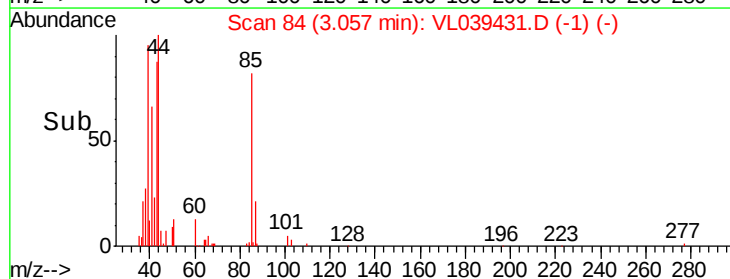
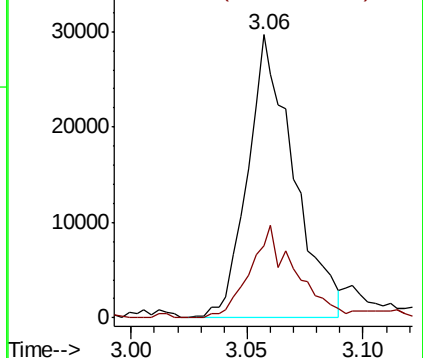
85 100

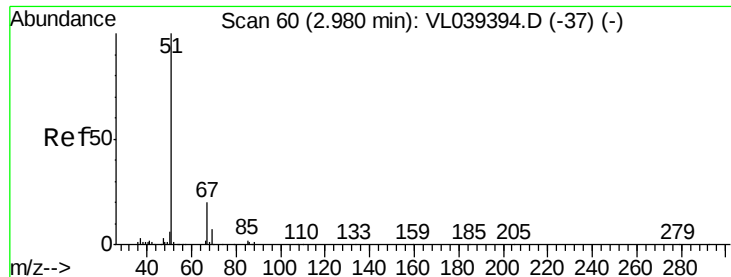
87 25.7 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.217 ppbv

RT: 2.97 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: IA1

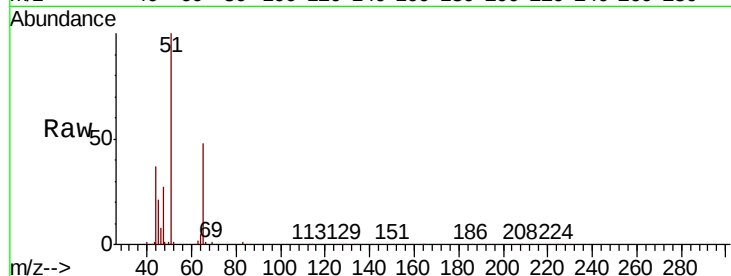
Acq: 5 Jul 2022 23:00

Tot Ion: 51 Resp: 333242

Ion Ratio Lower Upper

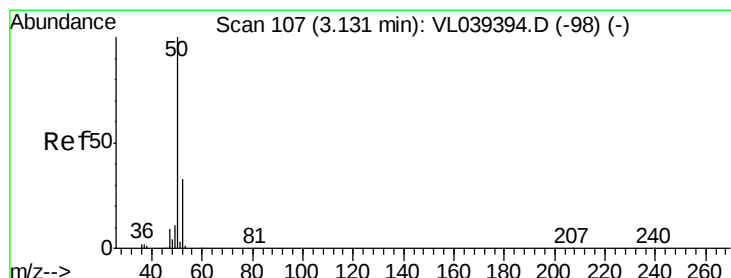
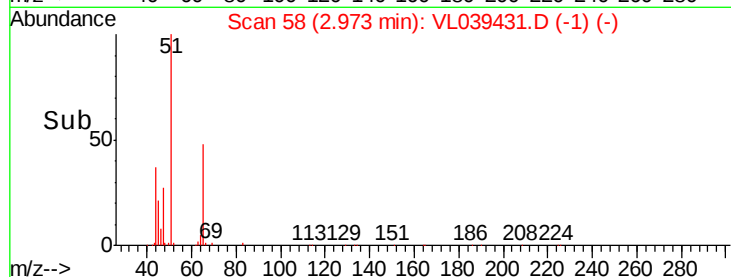
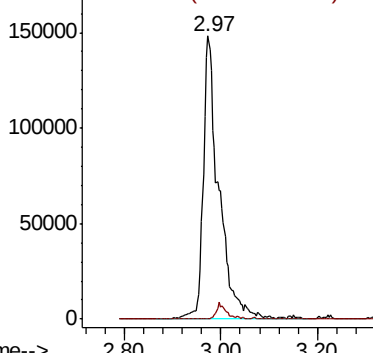
51 100

67 3.8 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.388 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL039431.D

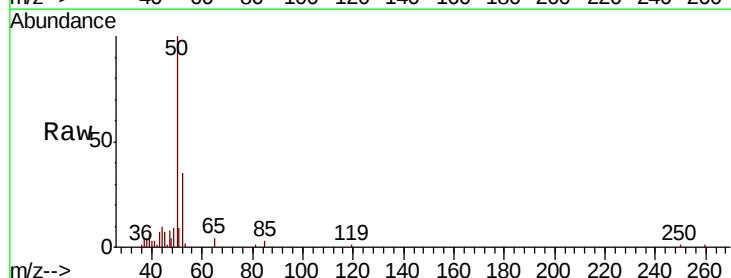
Acq: 5 Jul 2022 23:00

Tgt Ion: 50 Resp: 31910

Ion Ratio Lower Upper

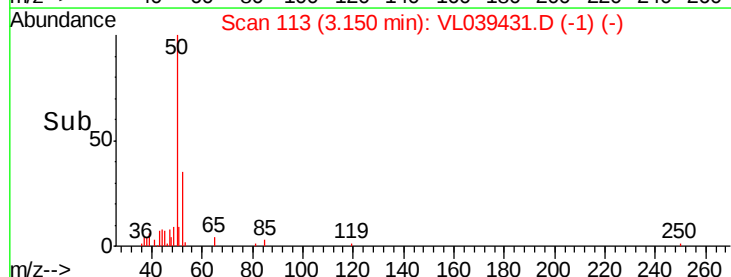
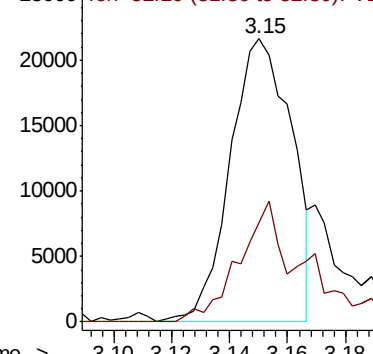
50 100

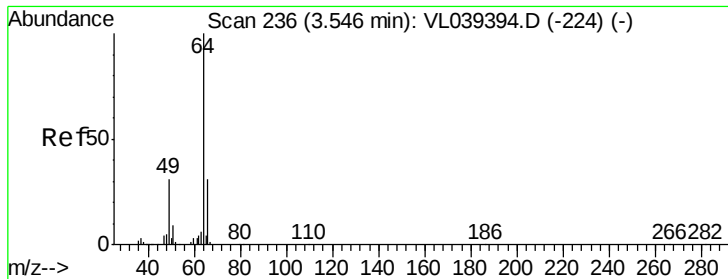
52 34.9 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.043 ppbv

RT: 3.58 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

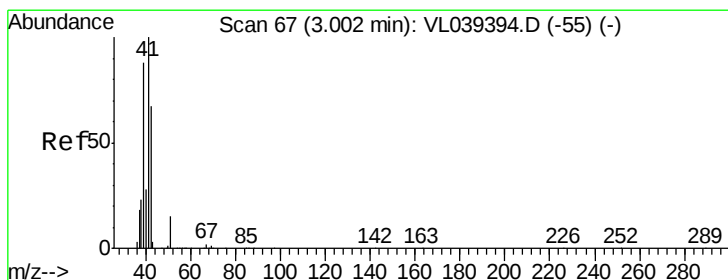
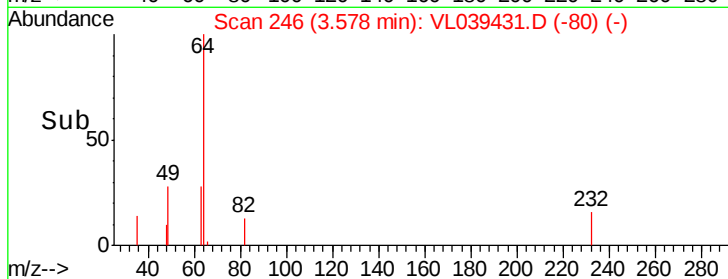
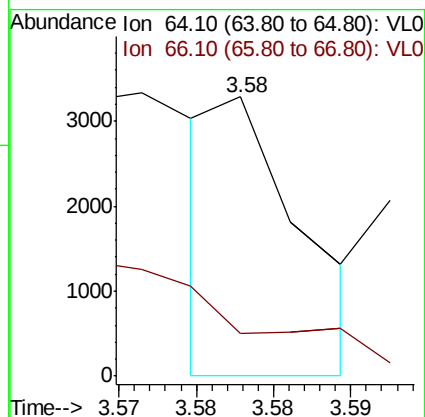
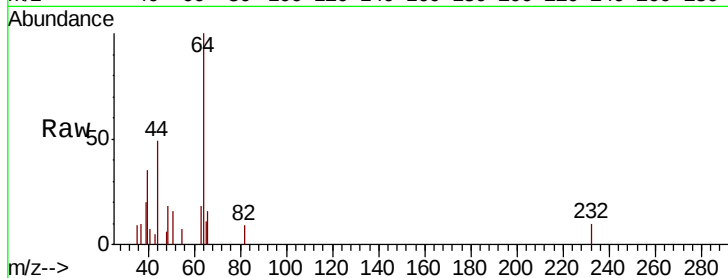
Acq: 5 Jul 2022 23:00

Tot Ion: 64 Resp: 1239

Ion Ratio Lower Upper

64 100

66 15.5 24.7 37.1#



#9

Propene

Concen: 2.991 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL039431.D

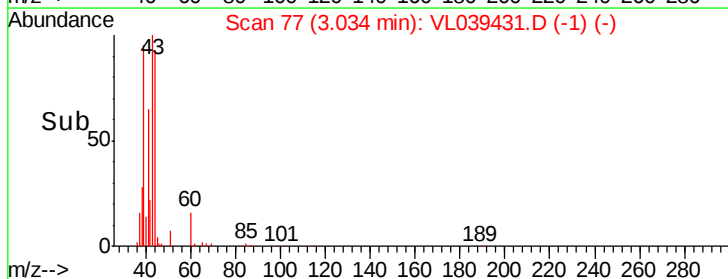
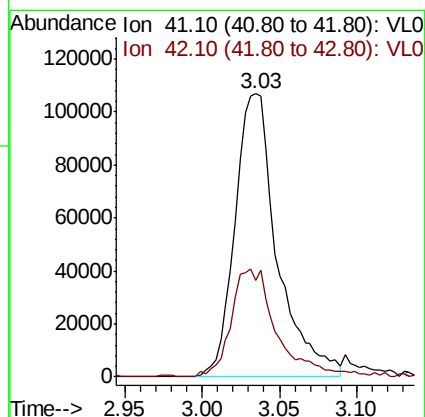
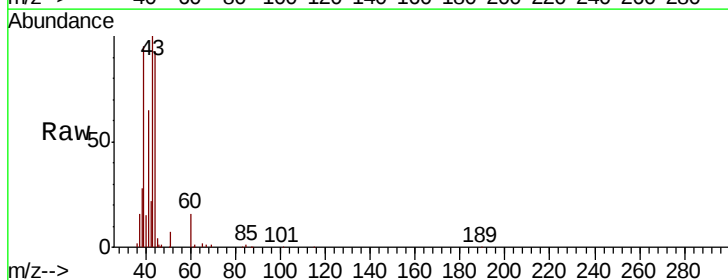
Acq: 5 Jul 2022 23:00

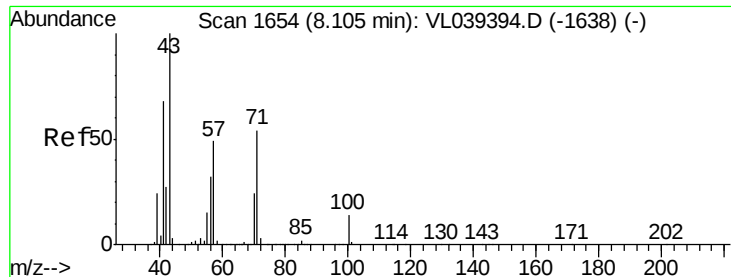
Tgt Ion: 41 Resp: 203055

Ion Ratio Lower Upper

41 100

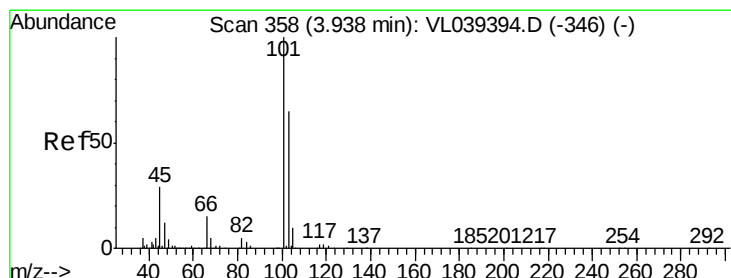
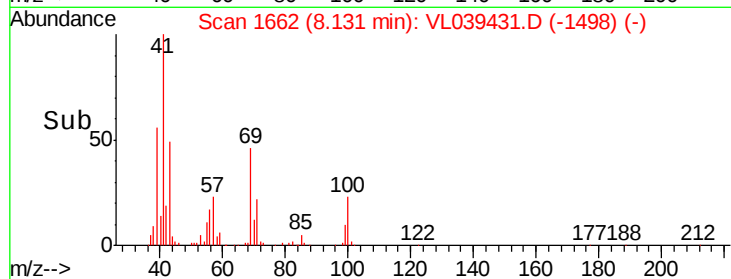
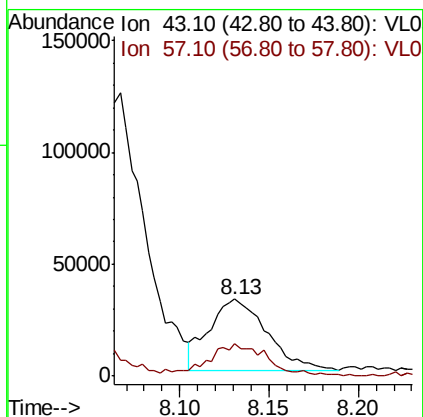
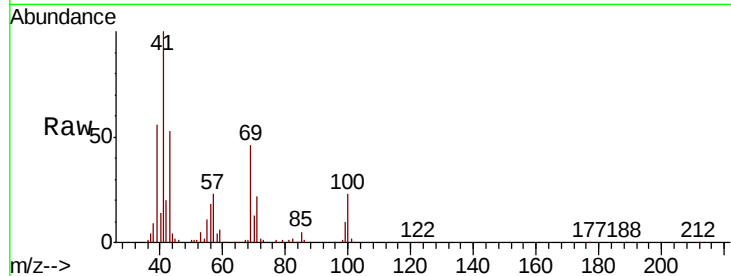
42 42.3 55.2 82.8#





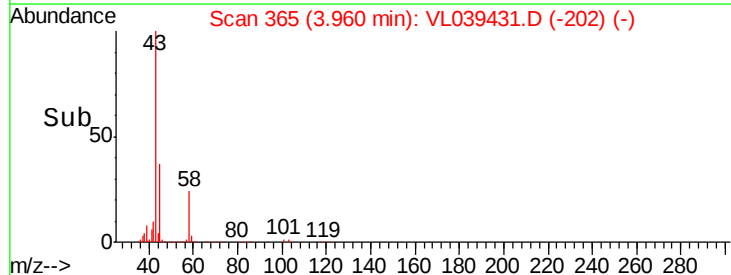
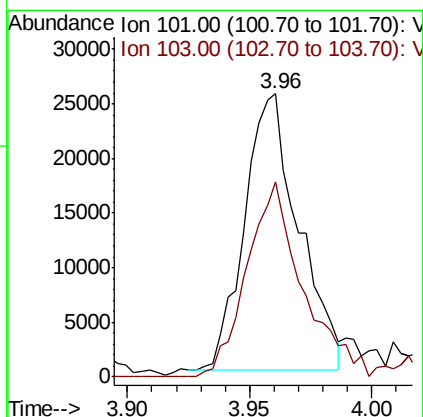
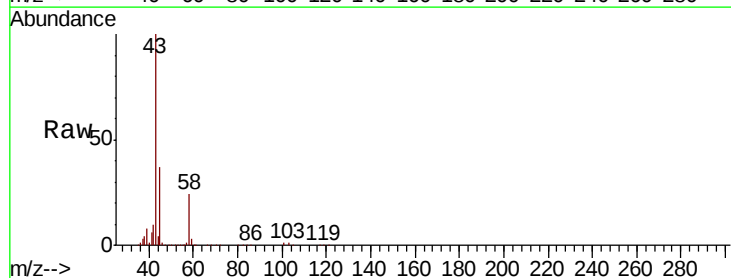
#10  
 Heptane  
 Concen: 0.452 ppbv  
 RT: 8.13  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

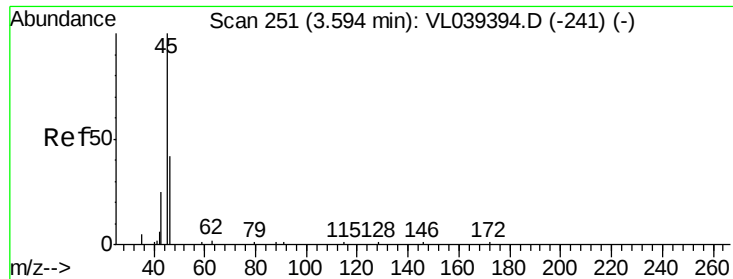
Tot Ion: 43 Resp: 71886  
 Ion Ratio Lower Upper  
 43 100  
 57 44.3 40.5 60.7



#11  
 Trichlorofluoromethane  
 Concen: 0.205 ppbv  
 RT: 3.96 min Scan# 365  
 Delta R.T. 0.02 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

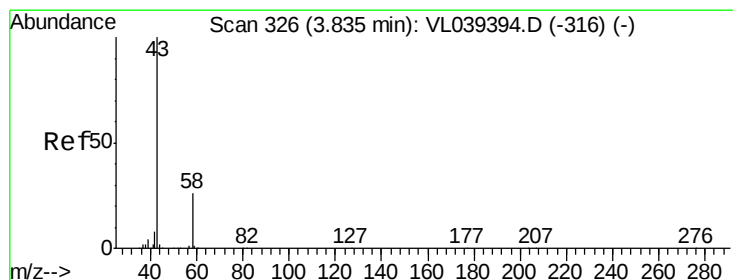
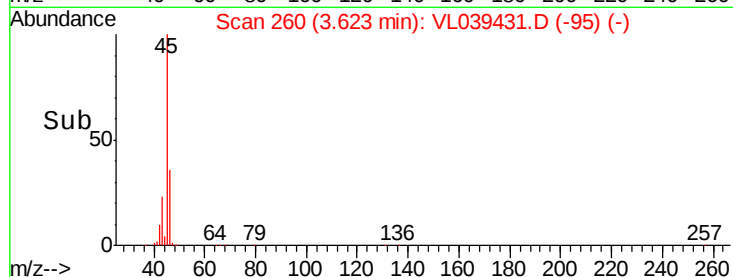
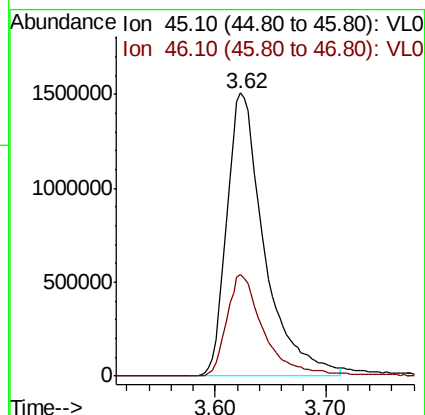
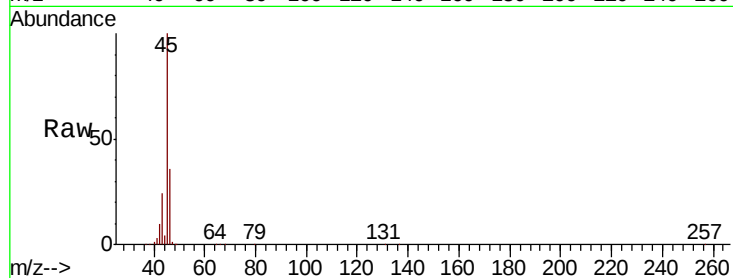
Tgt Ion: 101 Resp: 39129  
 Ion Ratio Lower Upper  
 101 100  
 103 70.6 51.8 77.8





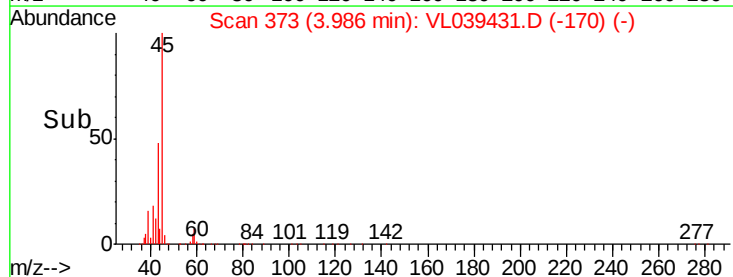
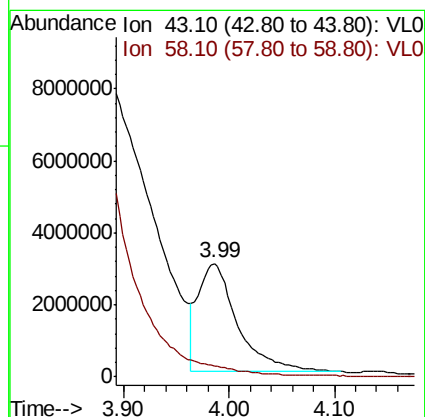
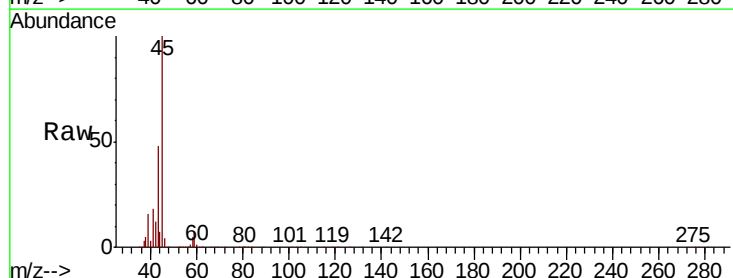
#13  
 Ethanol  
 Concen: 905.400 ppbv  
 RT: 3.62  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

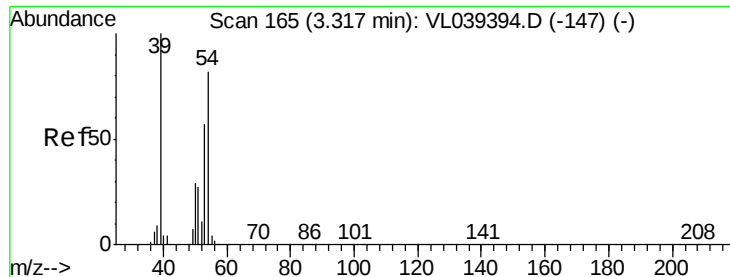
Tot Ion: 45 Resp: 3565619  
 Ion Ratio Lower Upper  
 45 100  
 46 36.4 22.8 91.2



#15  
 Acetone  
 Concen: 56.070 ppbv  
 RT: 3.99 min Scan# 373  
 Delta R.T. 0.15 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

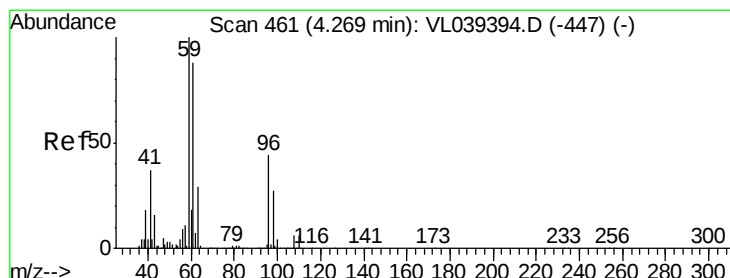
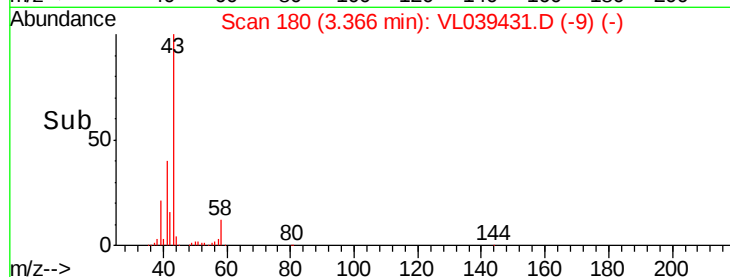
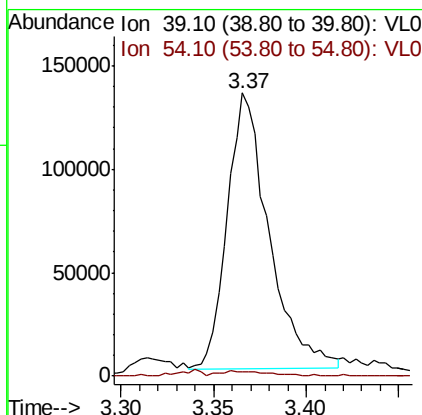
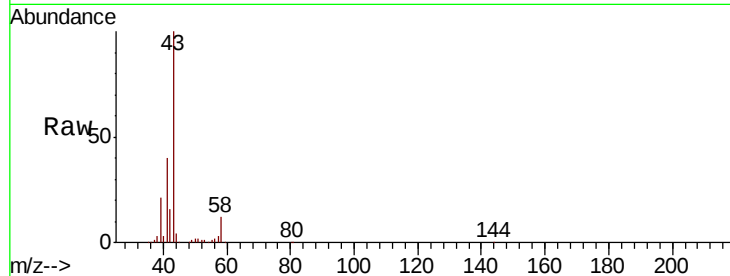
Tgt Ion: 43 Resp: 7858900  
 Ion Ratio Lower Upper  
 43 100  
 58 397.0 21.0 31.6#





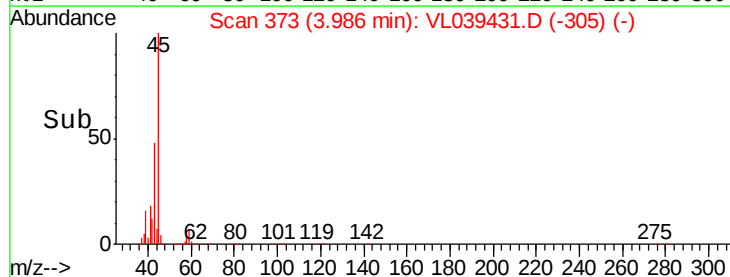
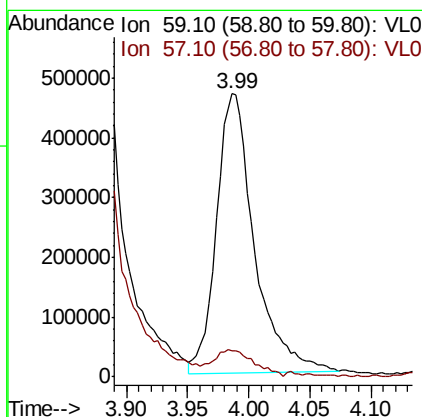
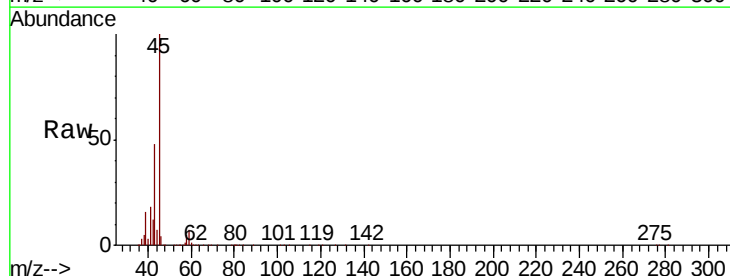
#16  
 1,3-Butadiene  
 Concen: 2.859 ppbv  
 RT: 3.37  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

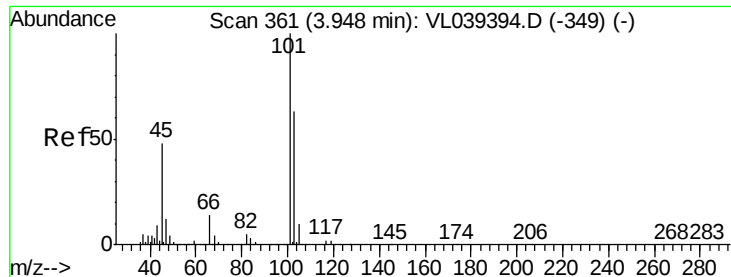
Tot Ion: 39 Resp: 207952  
 Ion Ratio Lower Upper  
 39 100  
 54 3.8 63.7 95.5#



#17  
 tert-Butyl alcohol  
 Concen: 8.528 ppbv  
 RT: 3.99 min Scan# 373  
 Delta R.T. -0.28 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

Tgt Ion: 59 Resp: 1014460  
 Ion Ratio Lower Upper  
 59 100  
 57 10.5 8.7 13.1





#19

Isopropyl Alcohol

Concen: 253.691 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

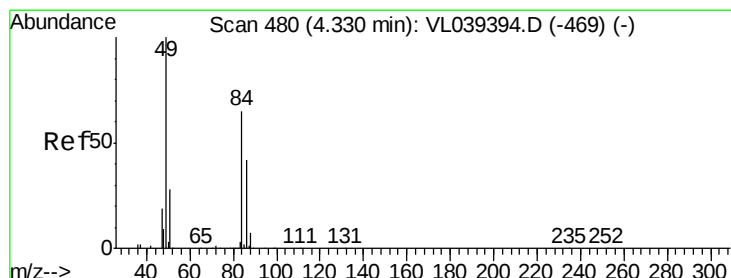
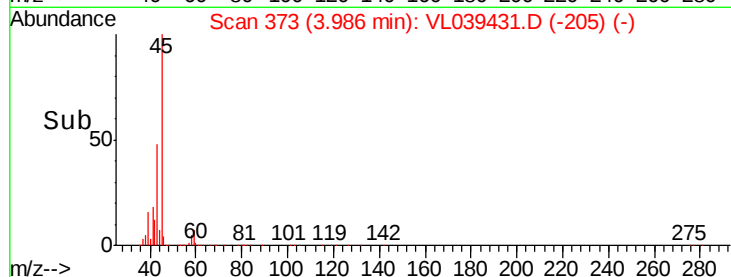
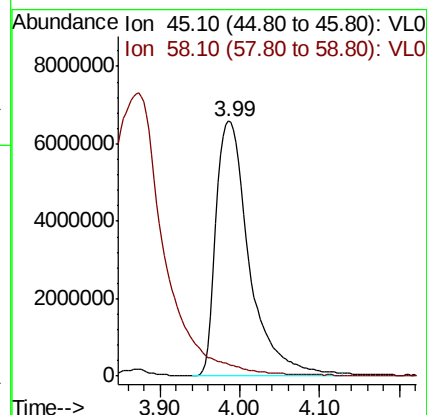
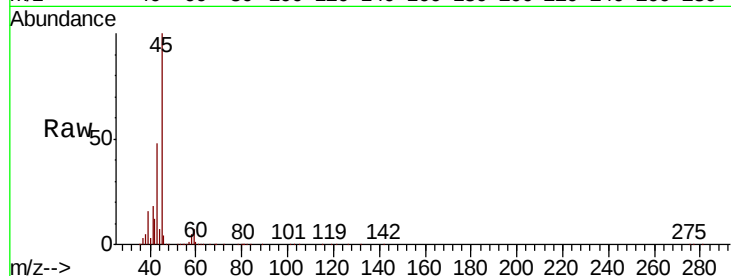
Acq: 5 Jul 2022 23:00

Tot Ion: 45 Resp: 18966813

Ion Ratio Lower Upper

45 100

58 0.0 3.2 4.8#



#20

Methylene Chloride

Concen: 15.032 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.04 min

Lab File: VL039431.D

Acq: 5 Jul 2022 23:00

Tgt Ion: 84 Resp: 839819

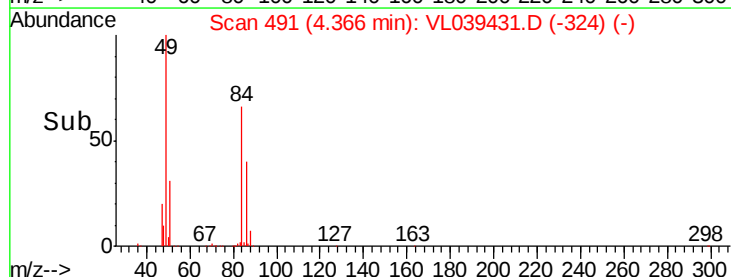
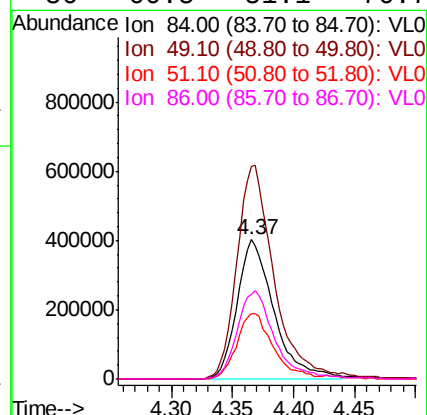
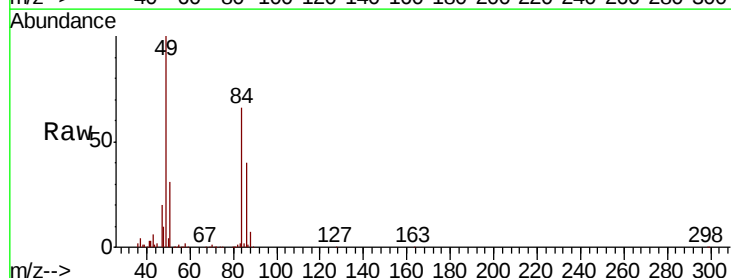
Ion Ratio Lower Upper

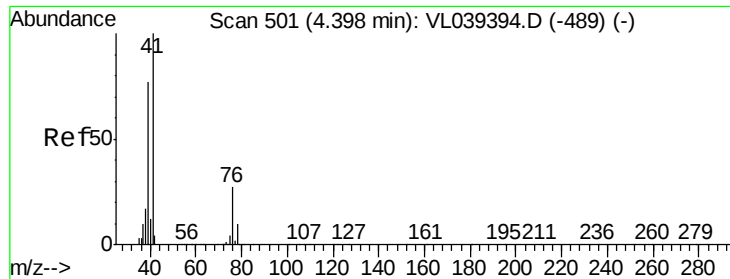
84 100

49 152.3 123.1 184.7

51 46.3 34.4 51.6

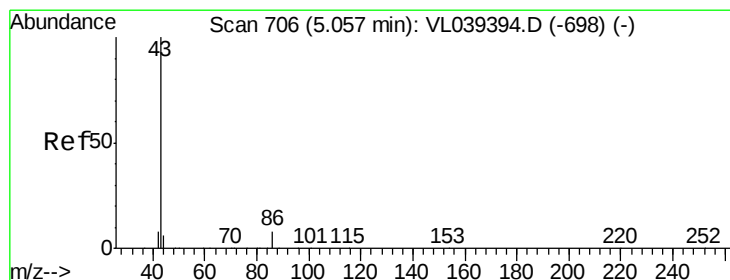
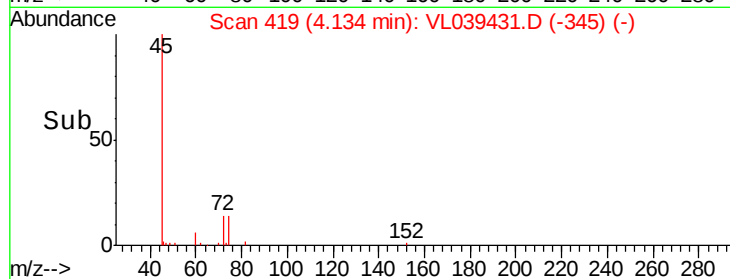
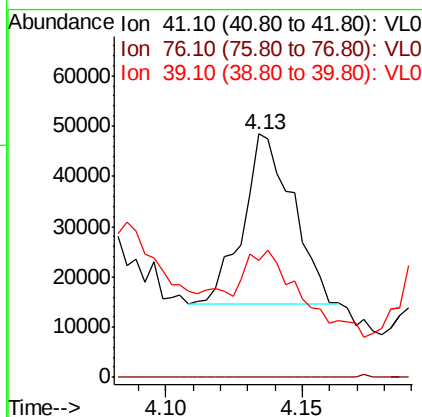
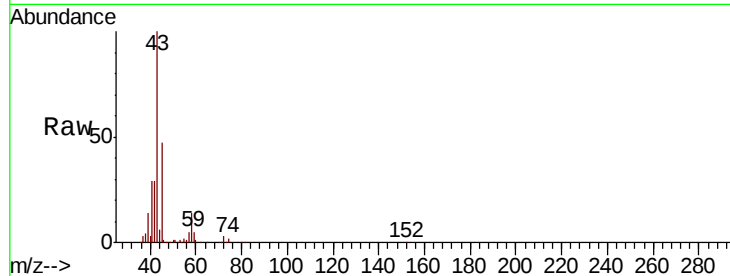
86 60.5 51.1 76.7





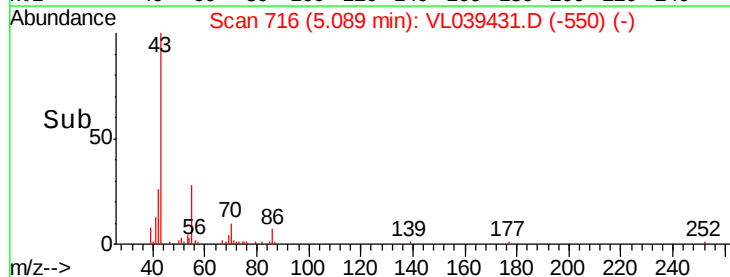
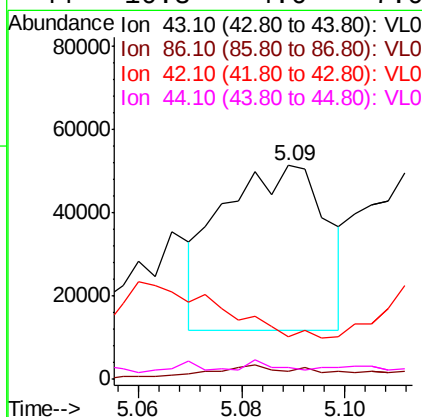
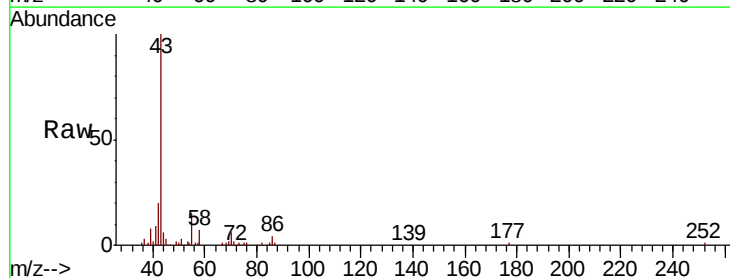
#21  
 Allvl Chloride  
 Concen: 0.439 ppbv  
 RT: 4.13  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

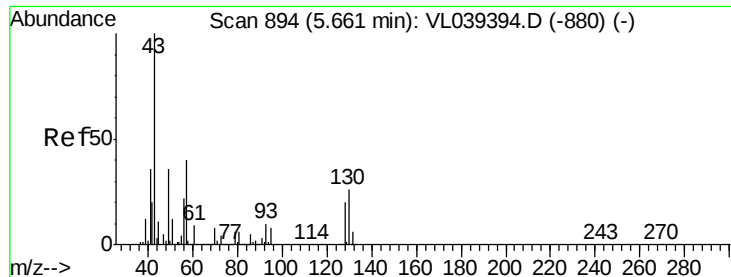
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 42582 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 0.0   | 24.4  | 36.6# |
| 39       | 0.0   | 63.5  | 95.3# |



#23  
 Vinyl Acetate  
 Concen: 0.594 ppbv  
 RT: 5.09 min Scan# 716  
 Delta R.T. 0.03 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 55663 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 4.1   | 5.0   | 7.6#  |
| 42       | 0.0   | 7.7   | 11.5# |
| 44       | 10.3  | 4.6   | 7.0#  |

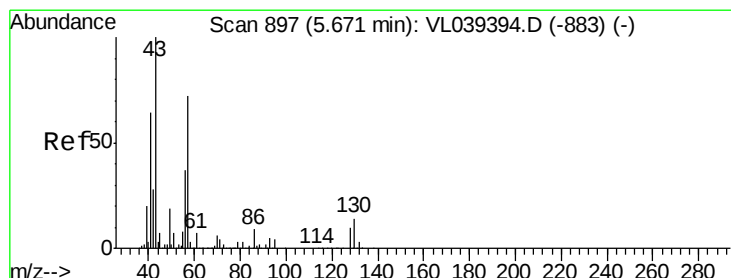
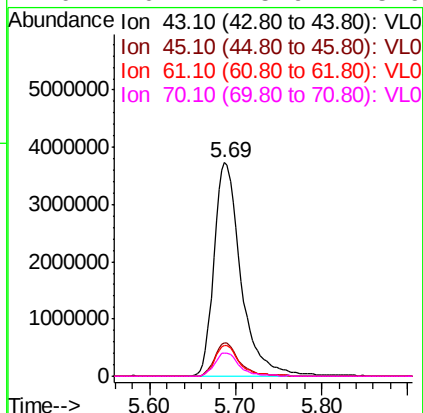
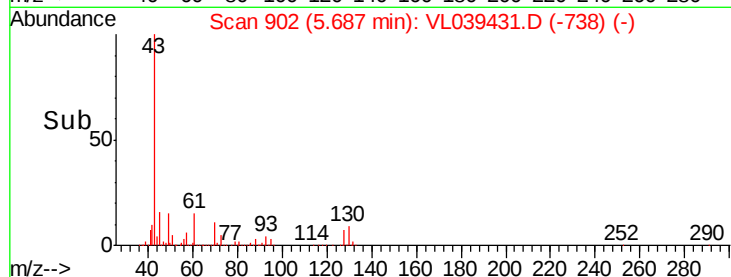
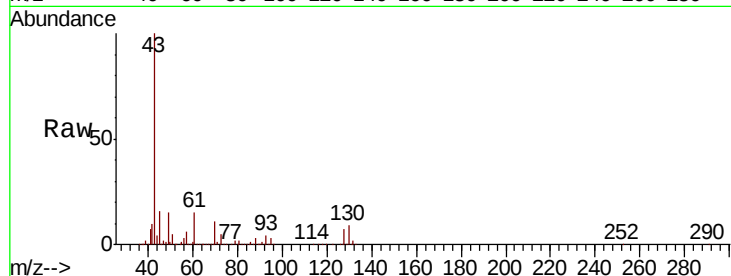




#25  
Ethyl Acetate  
Concen: 28.251 ppbv  
RT: 5.69 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 5 Jul 2022 23:00

Tot Ion: 43 Resp: 8119154

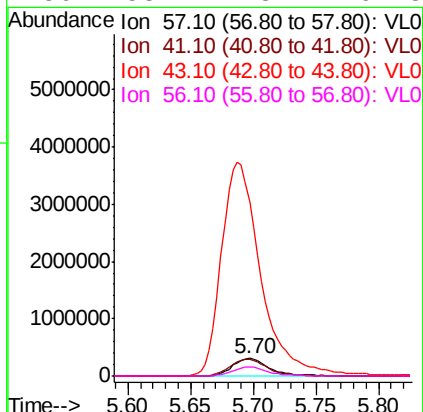
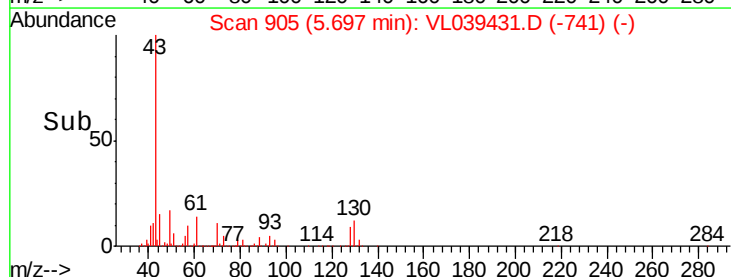
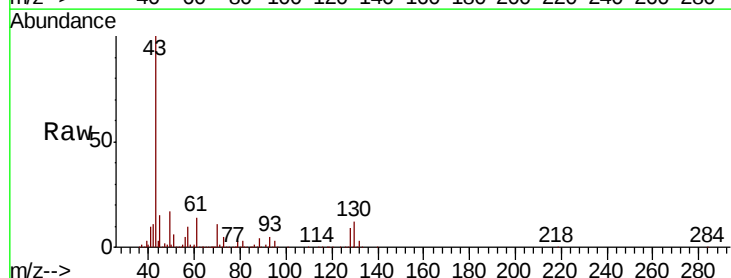
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 14.6  | 8.2   | 12.4# |
| 61  | 13.6  | 8.3   | 12.5# |
| 70  | 10.4  | 5.9   | 8.9#  |

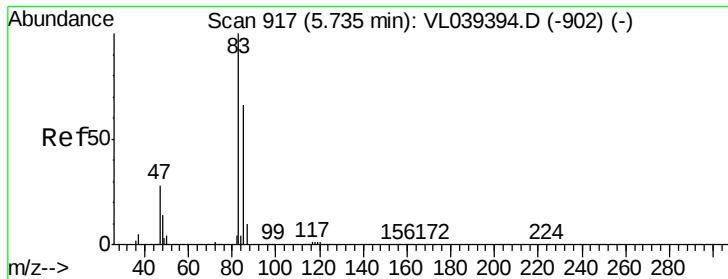


#26  
Hexane  
Concen: 5.316 ppbv  
RT: 5.70 min Scan# 905  
Delta R.T.: 0.03 min  
Lab File: VL039431.D  
Acq: 5 Jul 2022 23:00

Tgt Ion: 57 Resp: 615845

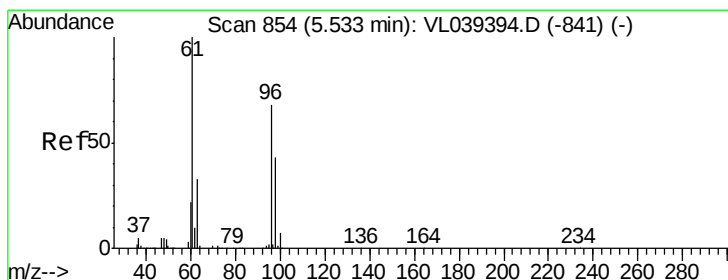
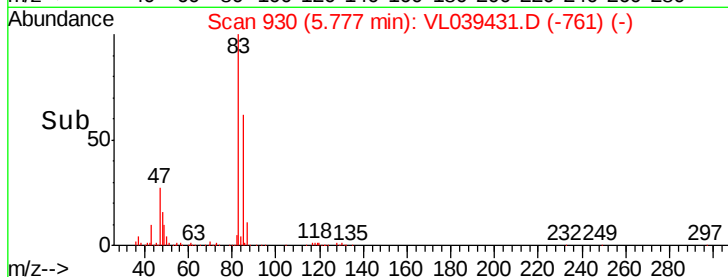
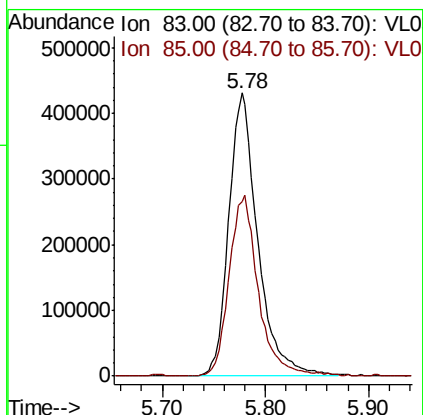
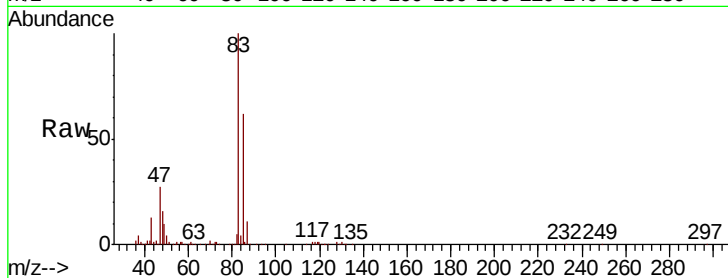
| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 57  | 100    |       |        |
| 41  | 102.7  | 76.9  | 115.3  |
| 43  | 1327.2 | 191.0 | 286.6# |
| 56  | 53.2   | 43.2  | 64.8   |





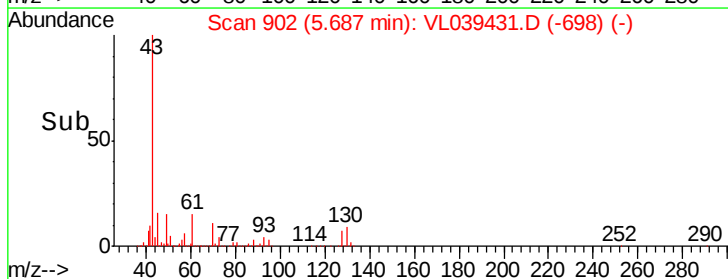
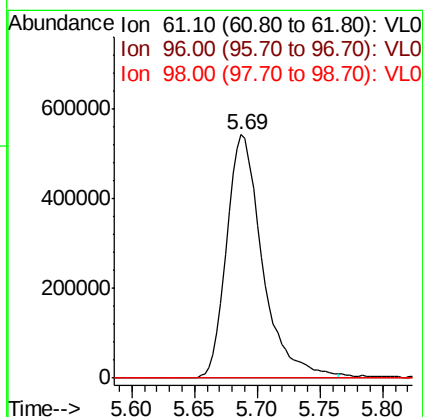
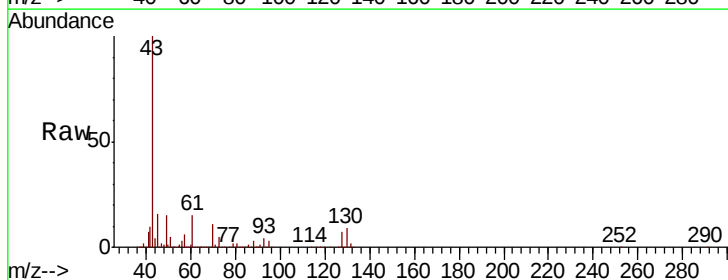
#29  
Chloroform  
Concen: 4.199 ppbv  
RT: 5.78  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 5 Jul 2022 23:00

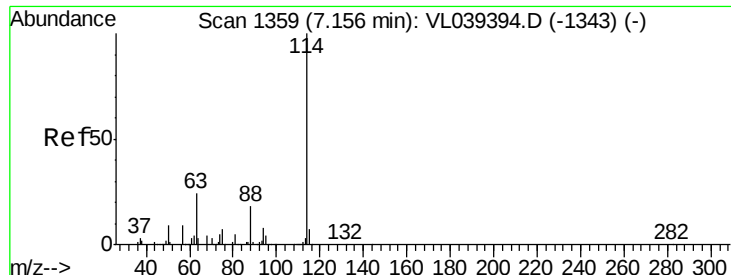
Tot Ion: 83 Resp: 845871  
Ion Ratio Lower Upper  
83 100  
85 61.5 52.8 79.2



#31  
cis-1,2-Dichloroethene  
Concen: 8.808 ppbv  
RT: 5.69 min Scan# 902  
Delta R.T. 0.15 min  
Lab File: VL039431.D  
Acq: 5 Jul 2022 23:00

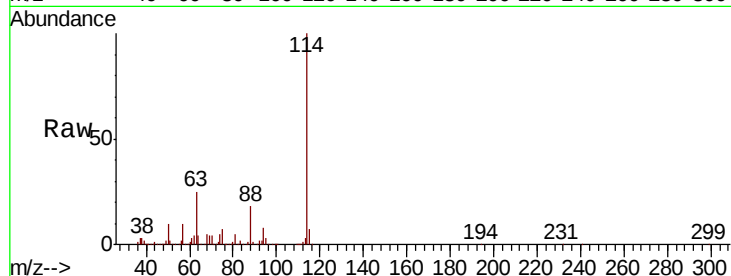
Tgt Ion: 61 Resp: 1082740  
Ion Ratio Lower Upper  
61 100  
96 0.1 54.1 81.1#  
98 0.0 34.6 52.0#



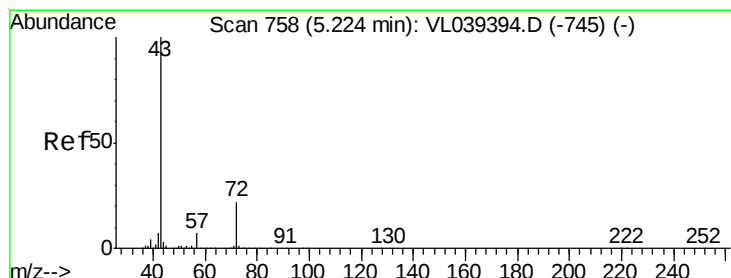
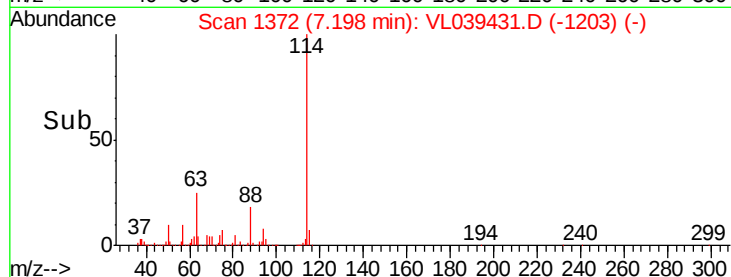
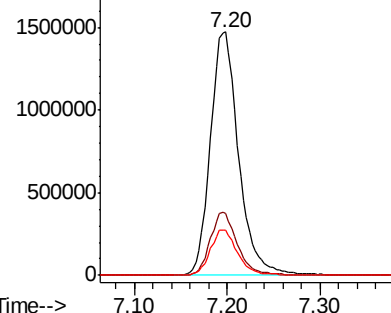


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.20  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

Tot Ion:114 Resp: 3112323  
 Ion Ratio Lower Upper  
 114 100  
 63 25.2 20.2 30.4  
 88 18.3 14.5 21.7

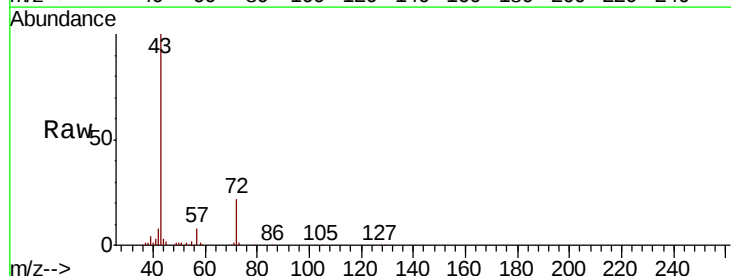


Abundance Ion 114.10 (113.80 to 114.80): V  
 2000000 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

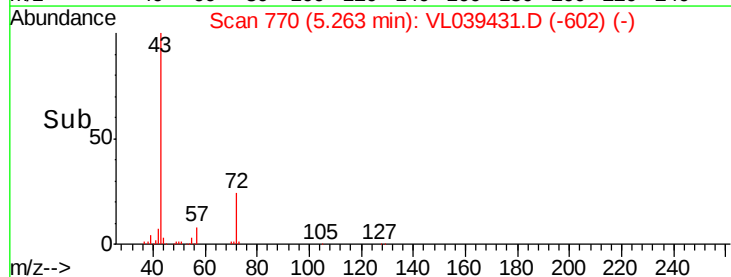
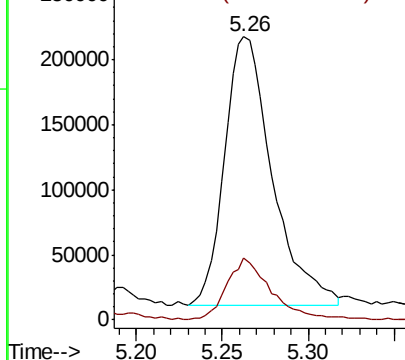


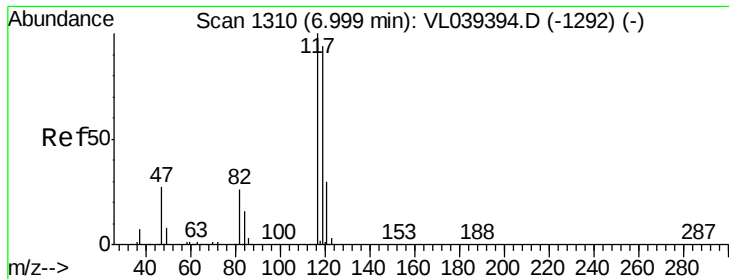
#34  
 2-Butanone  
 Concen: 2.560 ppbv  
 RT: 5.26 min Scan# 770  
 Delta R.T. 0.04 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

Tgt Ion: 43 Resp: 401072  
 Ion Ratio Lower Upper  
 43 100  
 72 21.9 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0  
 250000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.044 ppbv

RT: 7.04 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 5 Jul 2022 23:00

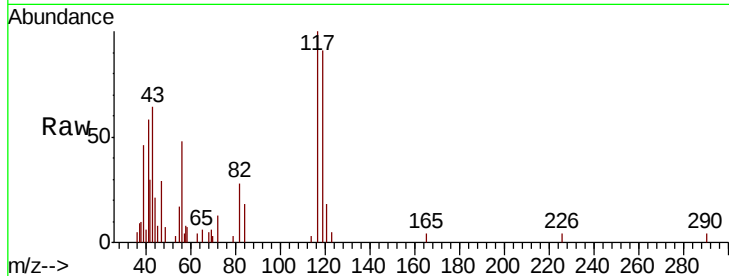
Tot Ion:117 Resp: 8419

Ion Ratio Lower Upper

117 100

119 87.8 75.4 113.2

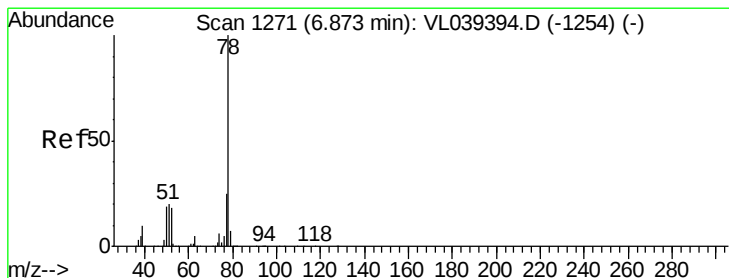
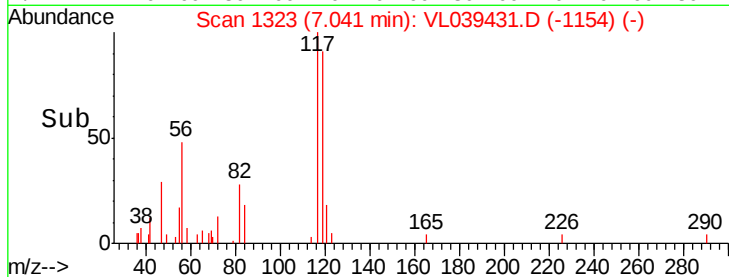
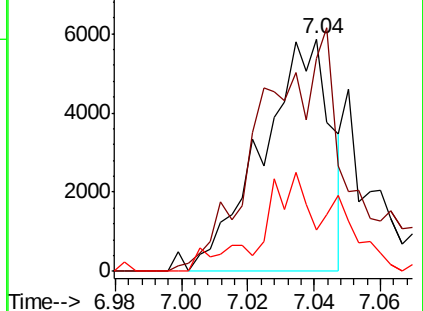
121 18.1 24.2 36.2#



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: 0.312 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL039431.D

Acq: 5 Jul 2022 23:00

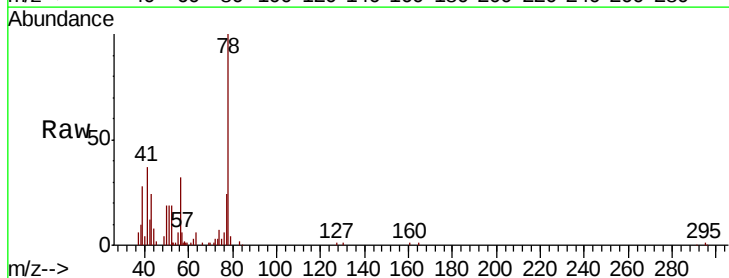
Tgt Ion: 78 Resp: 75196

Ion Ratio Lower Upper

78 100

77 23.3 20.3 30.5

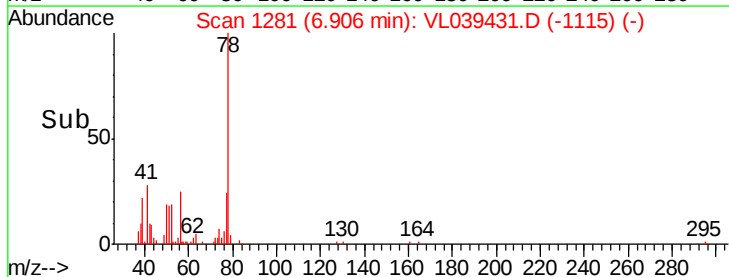
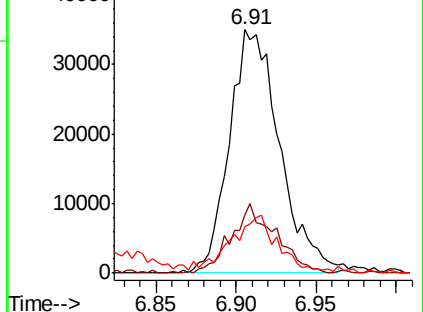
50 16.0 15.5 23.3

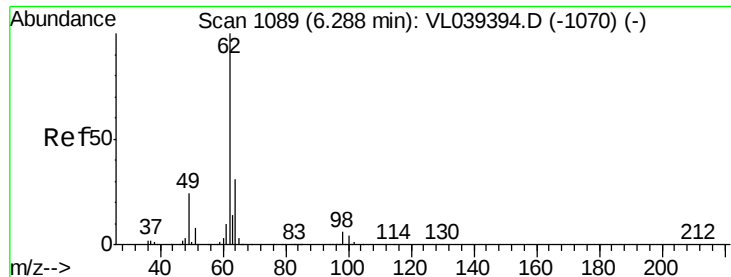


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.033 ppbv

RT: 6.33 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId: IA1

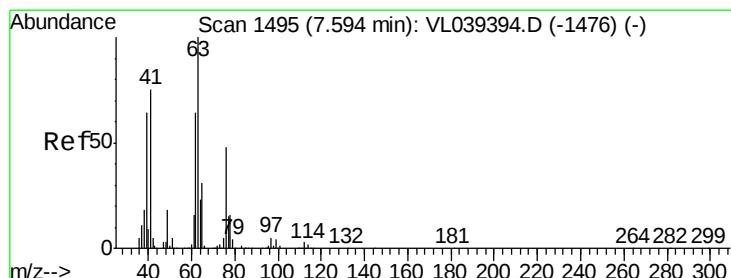
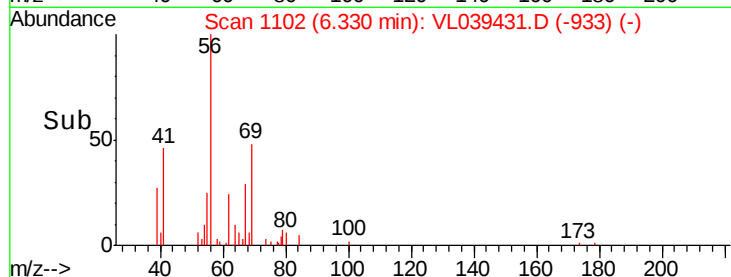
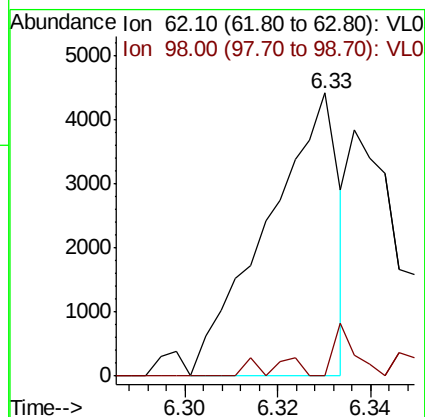
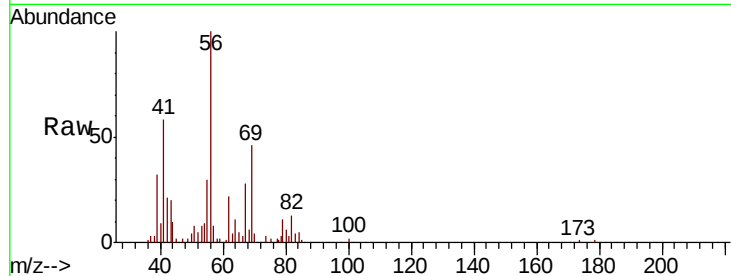
Acq: 5 Jul 2022 23:00

Tot Ion: 62 Resp: 4725

Ion Ratio Lower Upper

62 100

98 0.0 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 8.579 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. -0.40 min

Lab File: VL039431.D

Acq: 5 Jul 2022 23:00

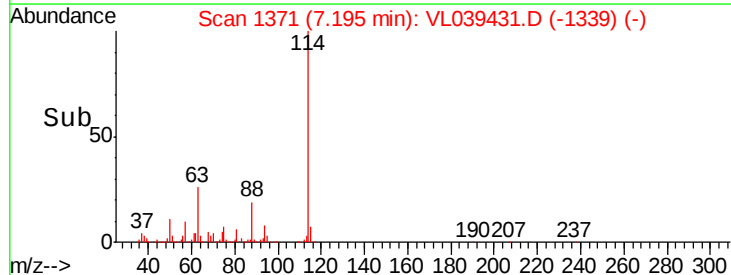
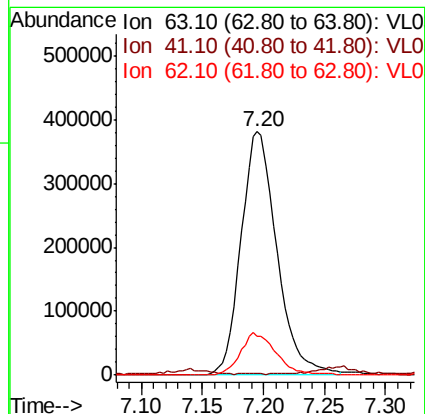
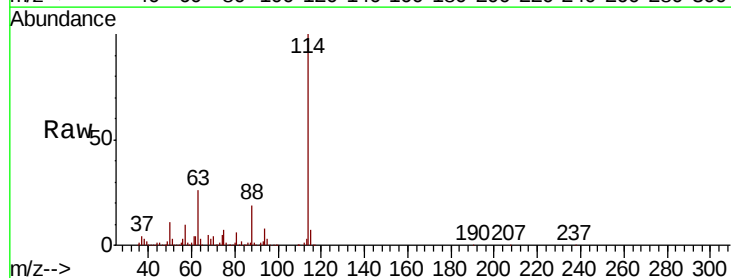
Tgt Ion: 63 Resp: 771975

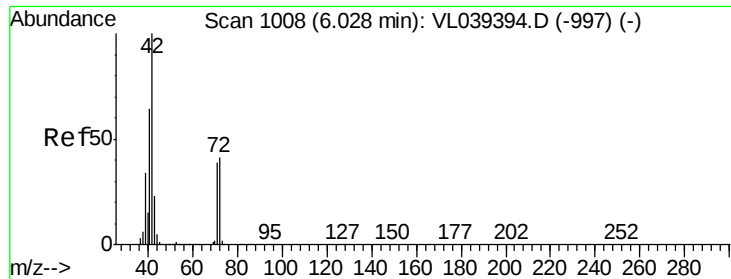
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

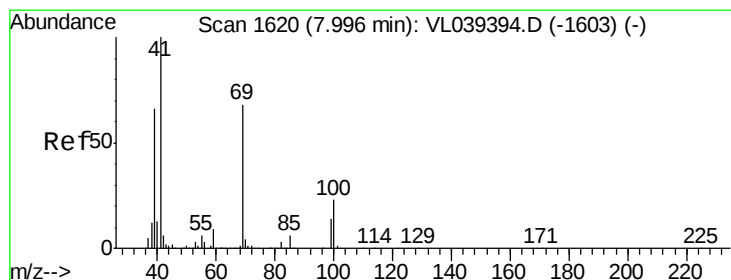
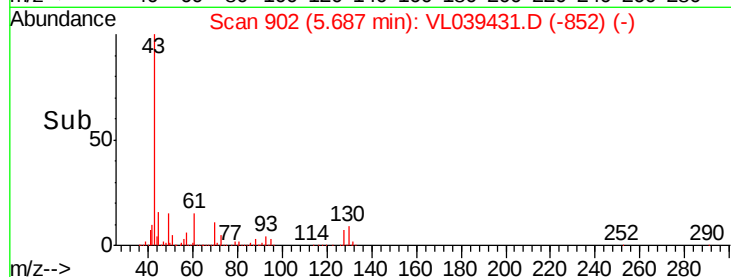
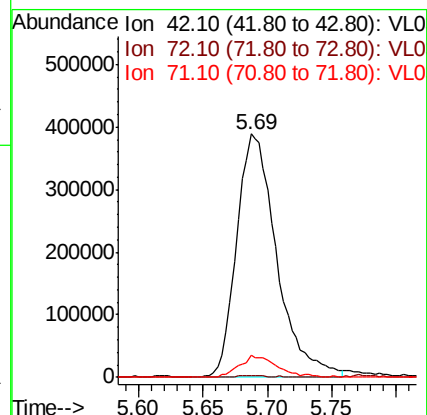
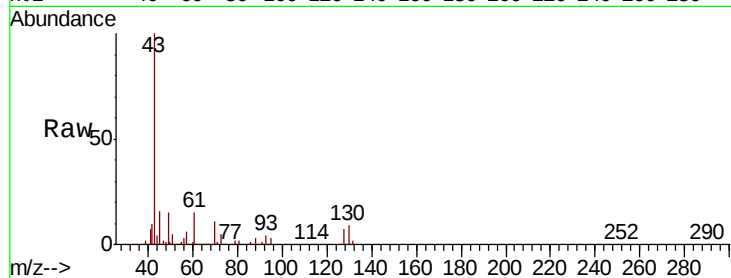
62 15.8 51.4 77.0#





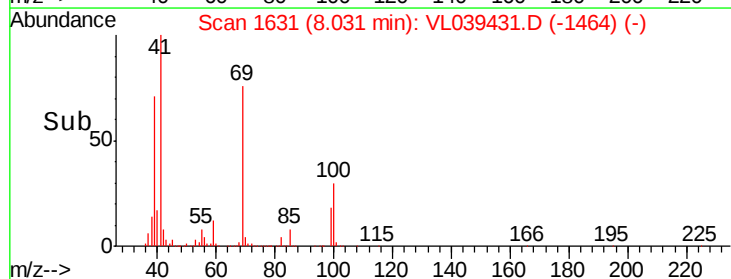
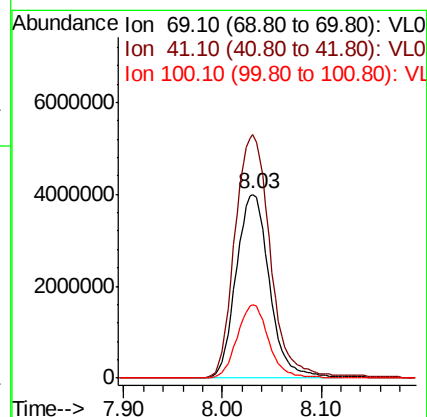
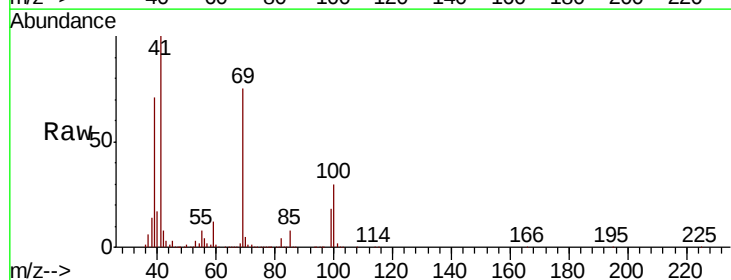
#41  
Tetrahydrofuran  
Concen: 9.246 ppbv  
RT: 5.69  
Delta R.T. MSVOA.L  
Lab File: ClientSampleId :  
Acq: 5 Jul 2022 23:00

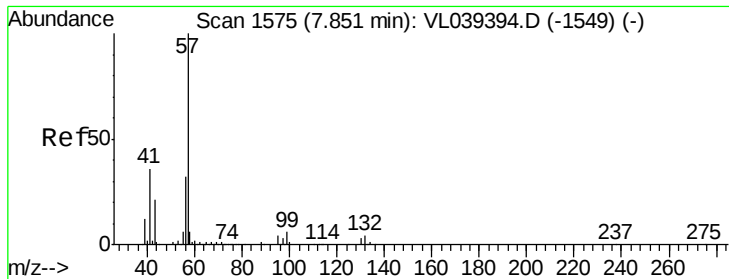
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 0.7   | 31.8  | 47.8# |
| 71      | 8.6   | 31.8  | 47.8# |



#43  
Methyl Methacrylate  
Concen: 102.489 ppbv  
RT: 8.03 min Scan# 1631  
Delta R.T. 0.04 min  
Lab File: VL039431.D  
Acq: 5 Jul 2022 23:00

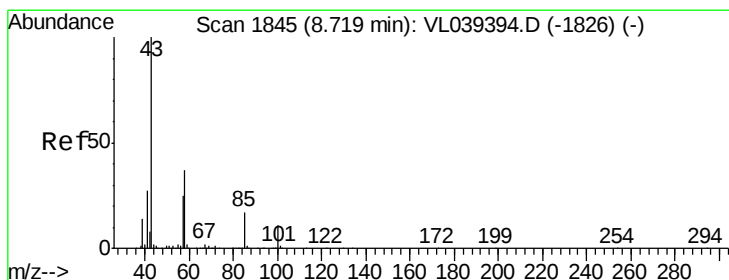
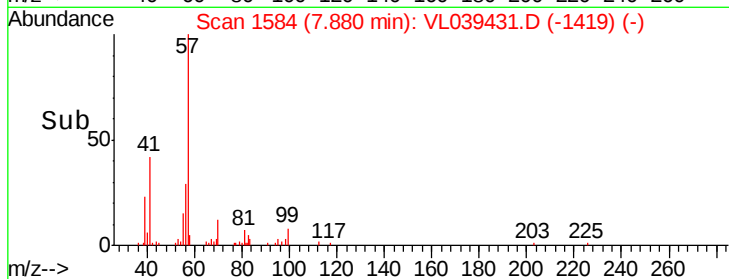
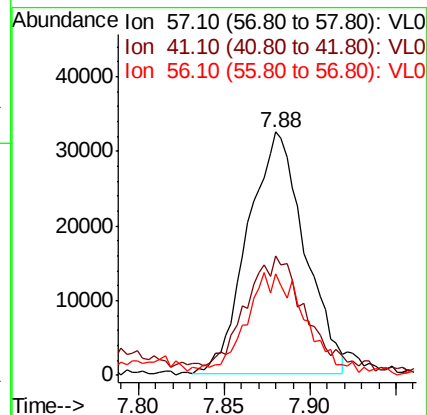
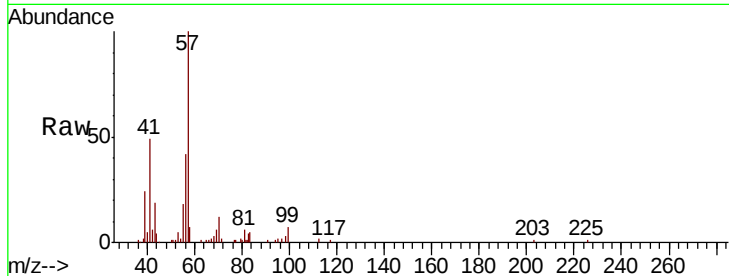
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 142.0 | 120.8 | 181.2 |
| 100     | 38.4  | 27.8  | 41.6  |





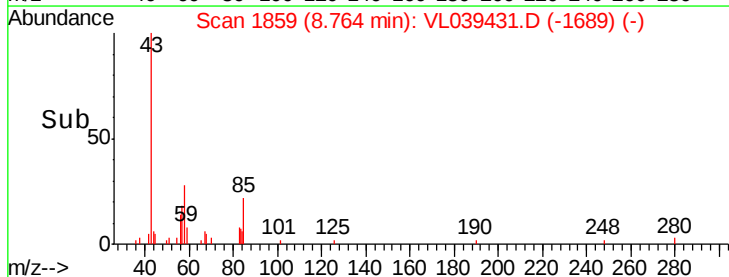
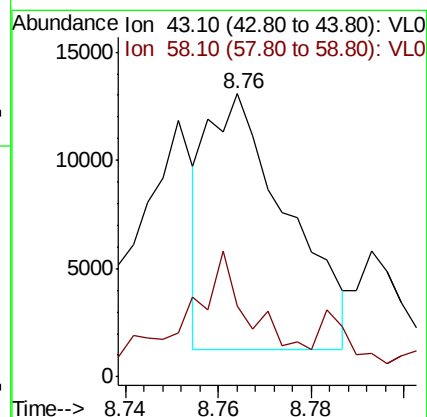
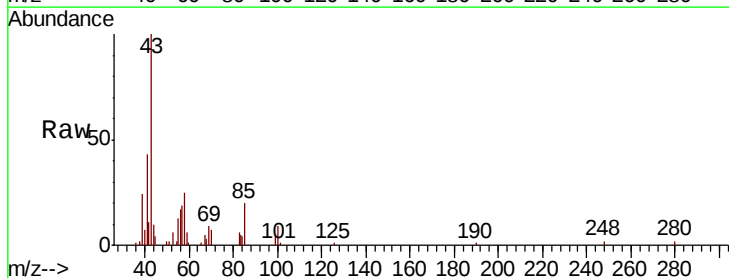
#44  
 2,2,4-Trimethylpentane  
 Concen: 0.182 ppbv  
 RT: 7.88  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

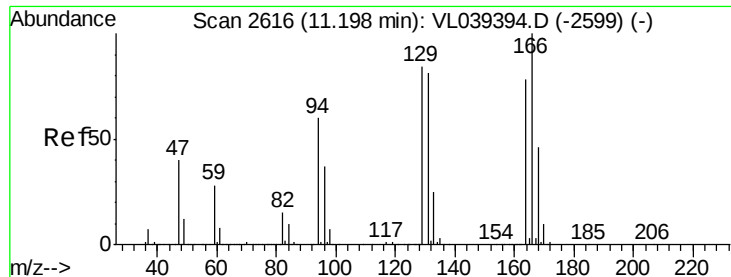
| Tot Ion   | 57    | Resp | 74459 |
|-----------|-------|------|-------|
| Ion Ratio | 100   |      |       |
| Lower     | 27.4  |      |       |
| Upper     | 41.2# |      |       |
| 56        | 45.0  |      |       |
| Lower     | 24.5  |      |       |
| Upper     | 36.7# |      |       |



#50  
 4-Methyl-2-Pentanone  
 Concen: 0.060 ppbv  
 RT: 8.76 min Scan# 1859  
 Delta R.T. 0.05 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

| Tgt Ion   | 43    | Resp | 14150 |
|-----------|-------|------|-------|
| Ion Ratio | 100   |      |       |
| Lower     | 28.8  |      |       |
| Upper     | 43.2# |      |       |
| 58        | 66.0  |      |       |





#52

Tetrachloroethene

Concen: 0.306 ppbv

RT: 11.24

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 5 Jul 2022 23:00

Tot Ion:164 Resp: 29630

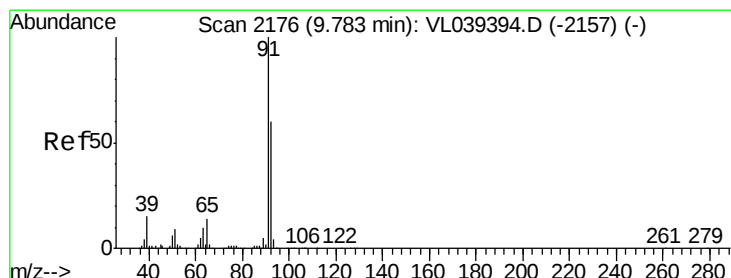
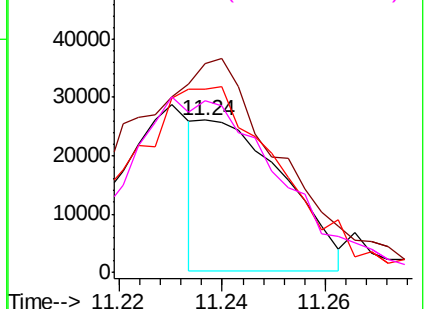
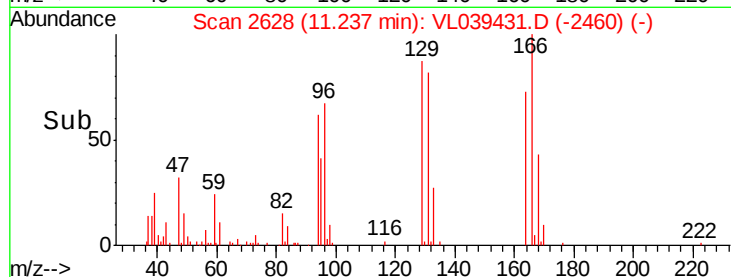
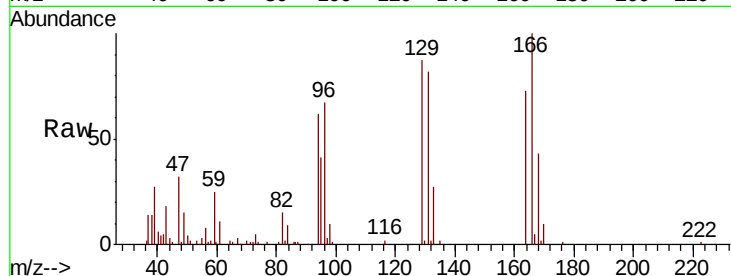
Ion Ratio Lower Upper

164 100

166 125.1 102.2 153.2

129 100.1 85.8 128.8

131 103.9 83.3 124.9



#53

Toluene

Concen: 3.492 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL039431.D

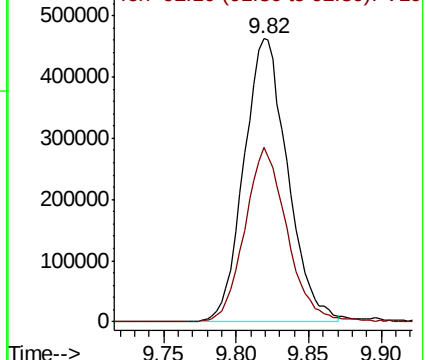
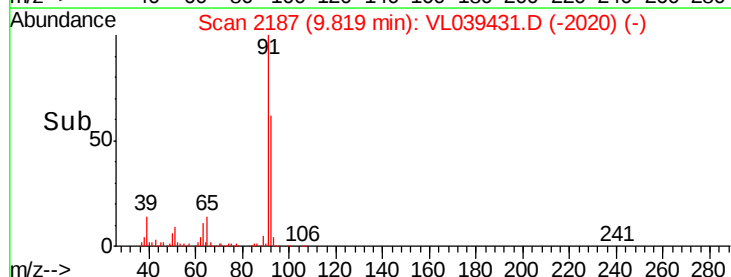
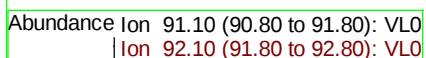
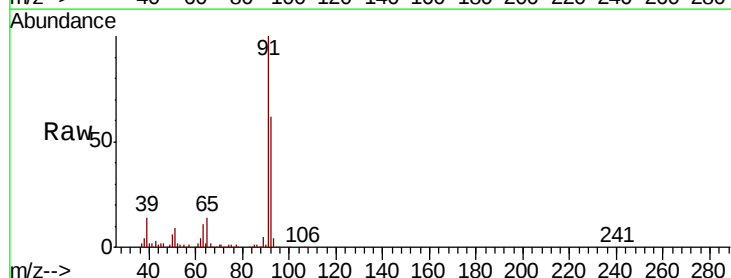
Acq: 5 Jul 2022 23:00

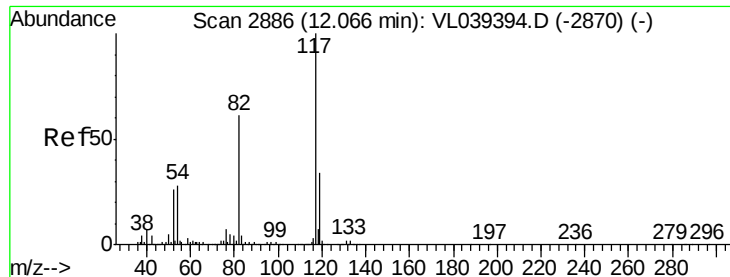
Tgt Ion: 91 Resp: 970127

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.2

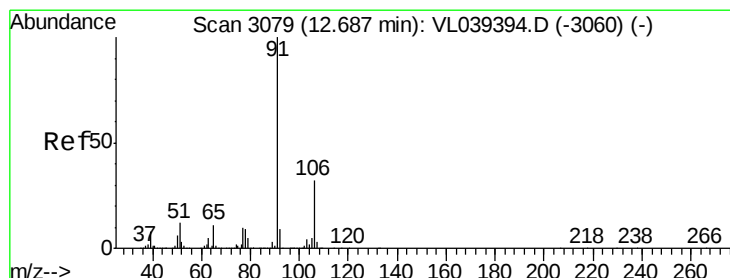
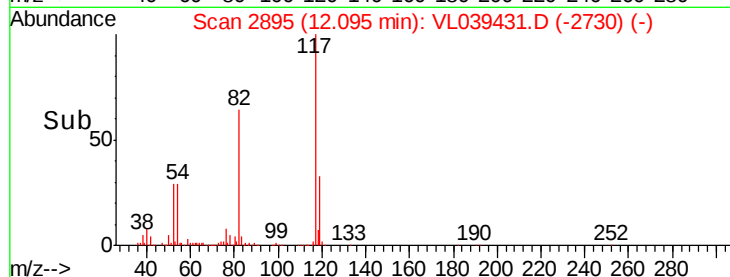
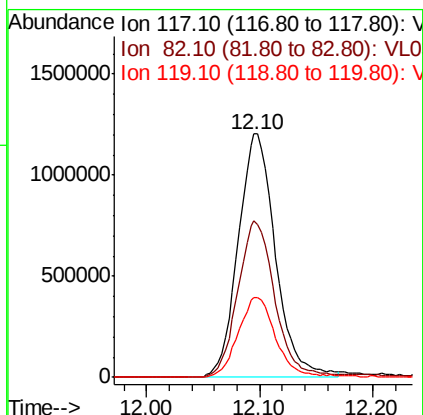
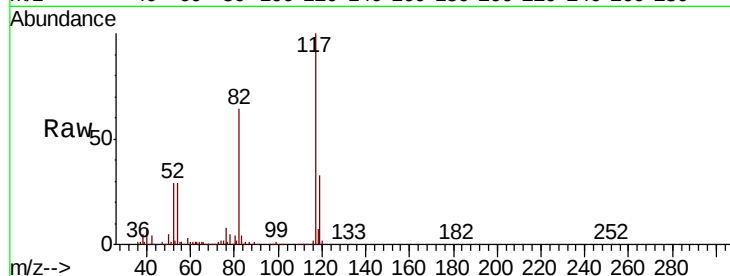




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.10 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 5 Jul 2022 23:00

Tot Ion:117 Resp: 2760982

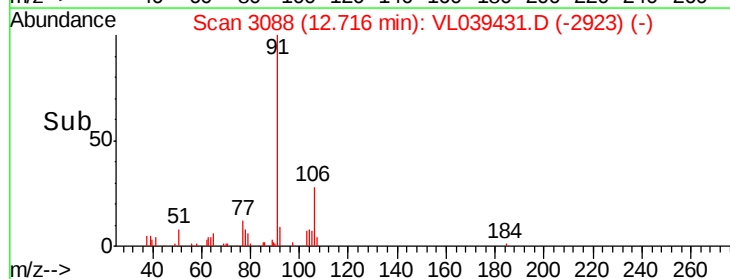
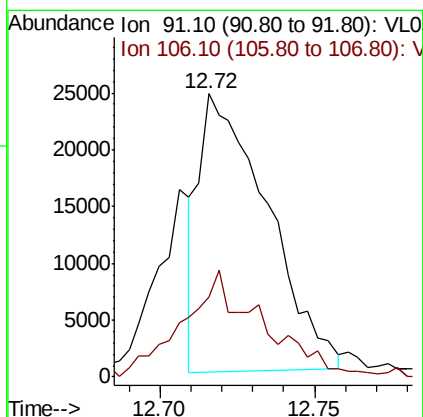
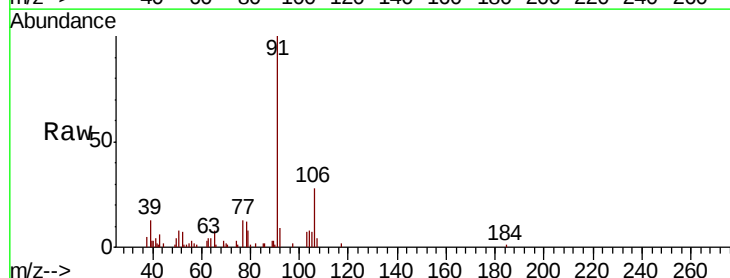
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 64.3  | 50.8  | 76.2  |
| 119 | 33.8  | 24.1  | 36.1  |

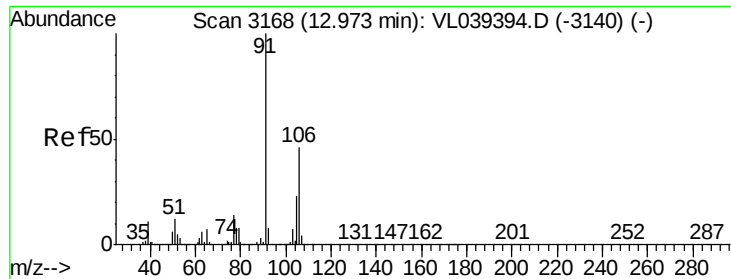


#58  
Ethyl Benzene  
Concen: 0.105 ppbv  
RT: 12.72 min Scan# 3088  
Delta R.T.: 0.03 min  
Lab File: VL039431.D  
Acq: 5 Jul 2022 23:00

Tgt Ion: 91 Resp: 37361

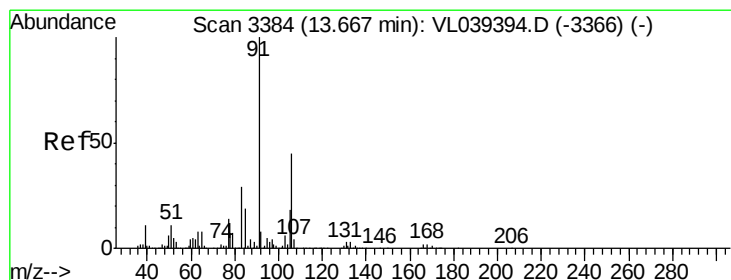
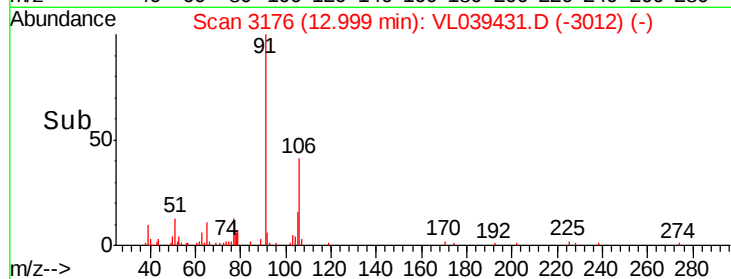
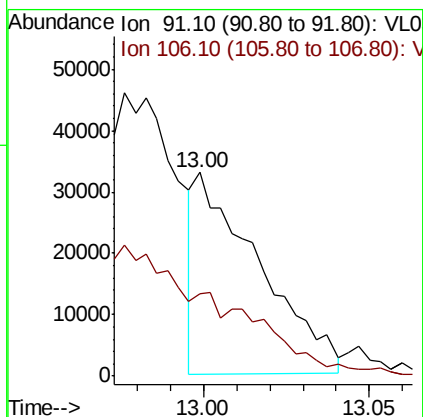
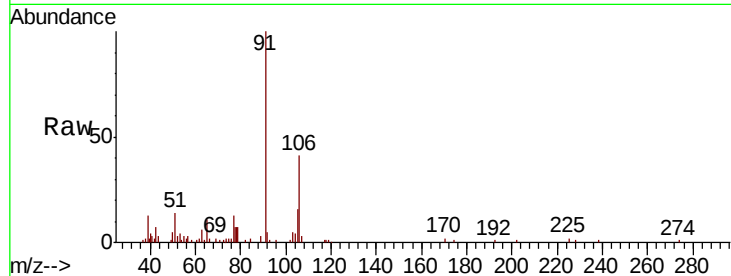
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 27.4  | 25.4  | 38.0  |





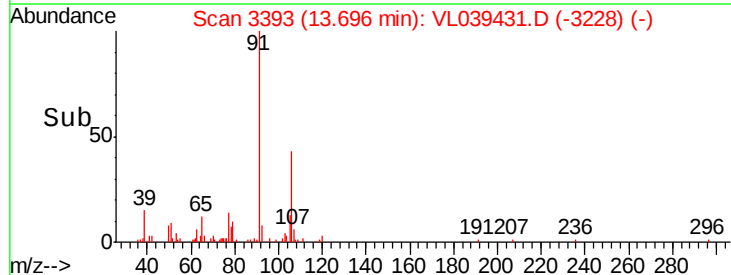
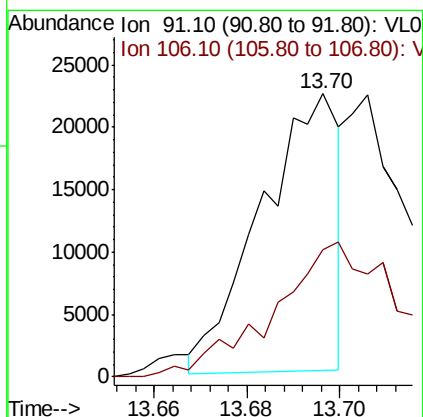
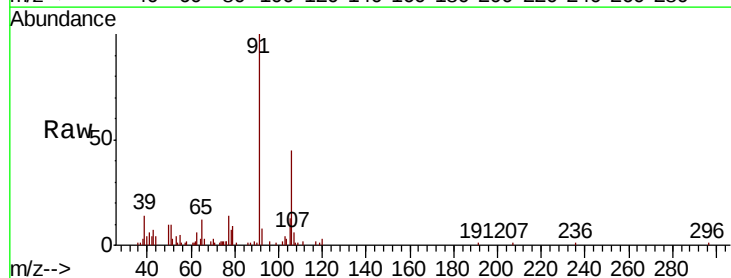
#59  
m/p-Xylene  
Concen: 0.139 ppbv  
RT: 13.00  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 5 Jul 2022 23:00

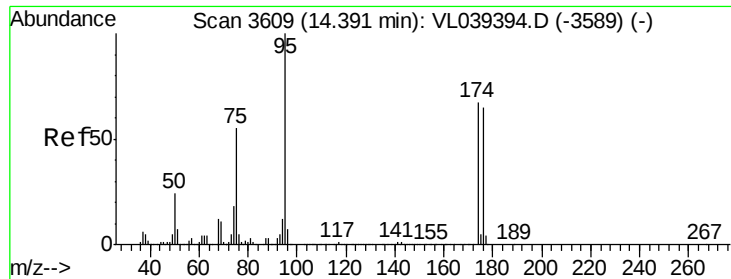
Tot Ion: 91 Resp: 43796  
Ion Ratio Lower Upper  
91 100  
106 0.0 35.4 53.2#



#60  
o-Xylene  
Concen: 0.087 ppbv  
RT: 13.70 min Scan# 3393  
Delta R.T. 0.03 min  
Lab File: VL039431.D  
Acq: 5 Jul 2022 23:00

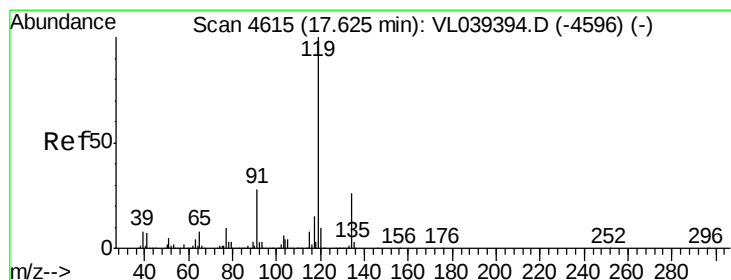
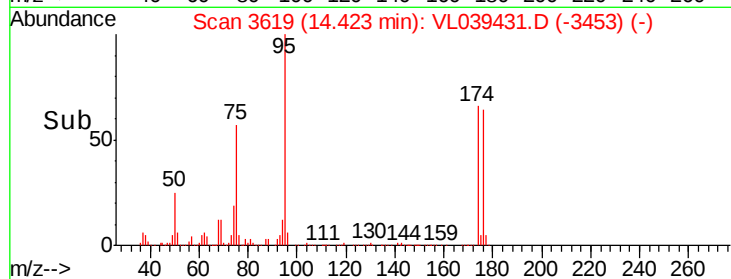
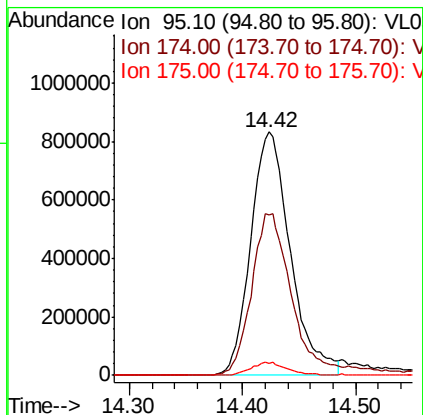
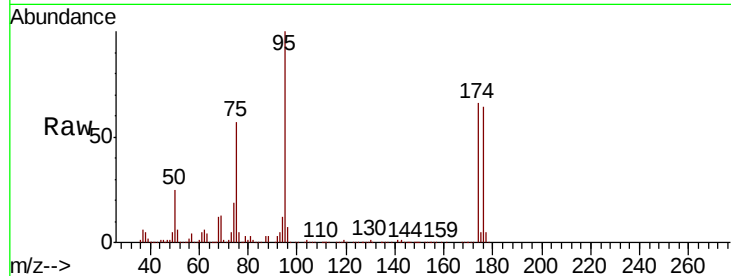
Tgt Ion: 91 Resp: 26004  
Ion Ratio Lower Upper  
91 100  
106 91.9 22.4 67.3#





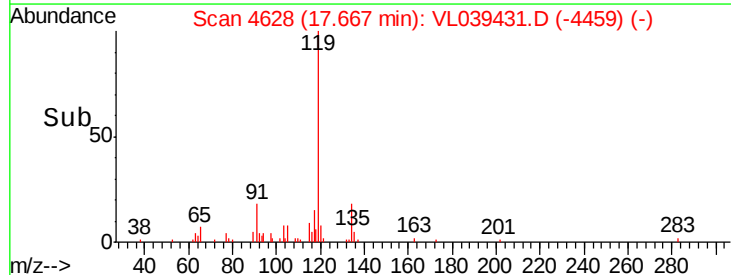
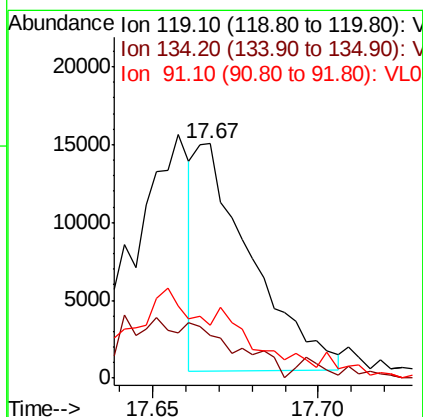
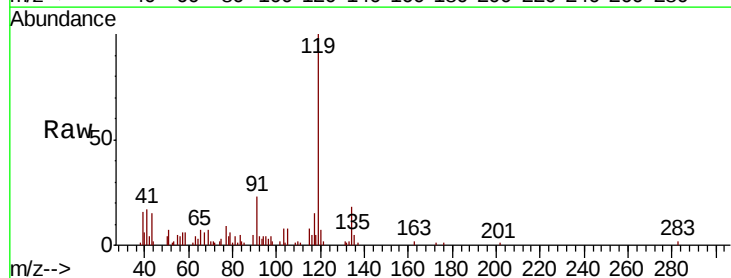
#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.905 ppbv  
 RT: 14.42 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

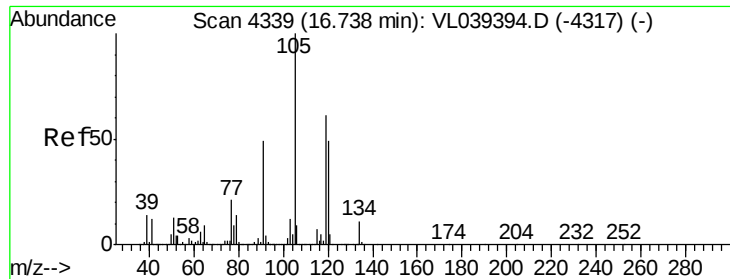
Tot Ion: 95 Resp: 2028825  
 Ion Ratio Lower Upper  
 95 100  
 174 71.5 55.9 83.9  
 175 5.0 4.2 6.4



#69  
 p-Isopropyltoluene  
 Concen: 0.036 ppbv  
 RT: 17.67 min Scan# 4628  
 Delta R.T. 0.04 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

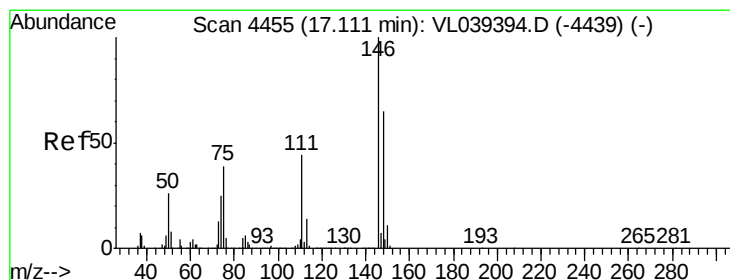
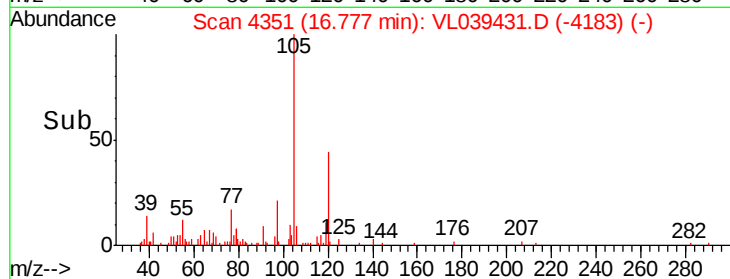
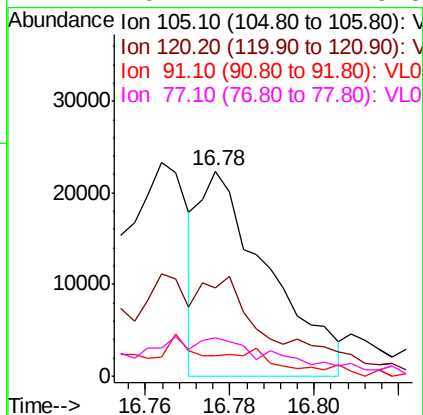
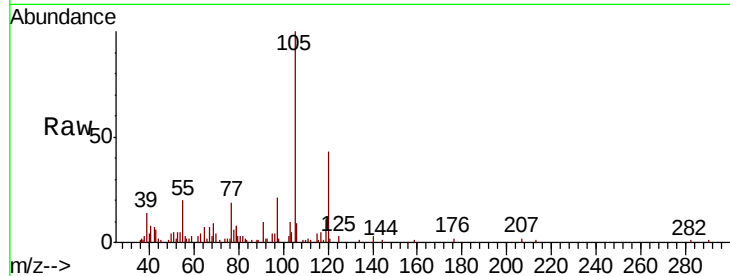
Tgt Ion: 119 Resp: 17021  
 Ion Ratio Lower Upper  
 119 100  
 134 0.0 20.3 30.5#  
 91 0.0 22.9 34.3#





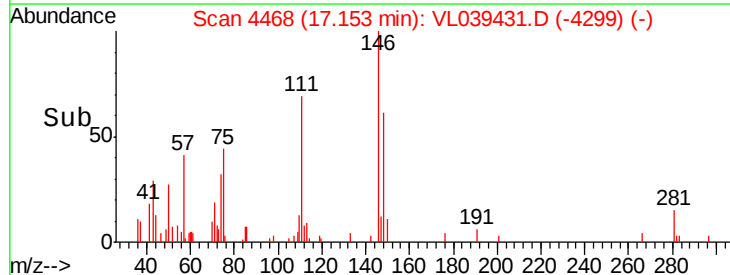
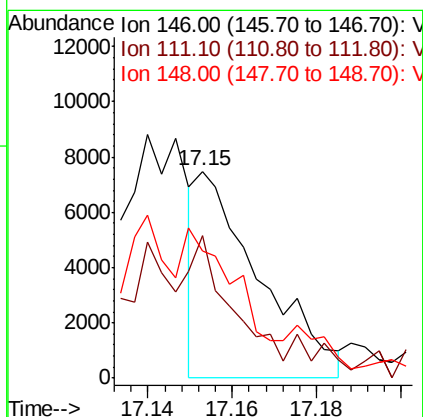
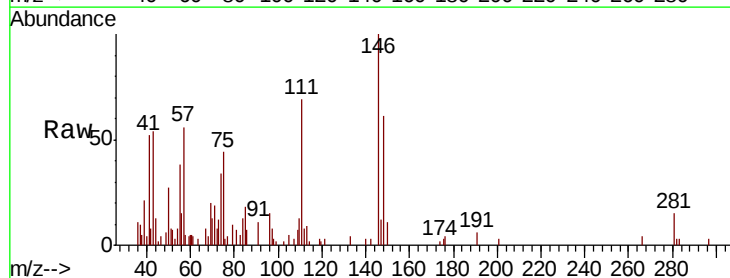
#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.071 ppbv  
 RT: 16.78 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

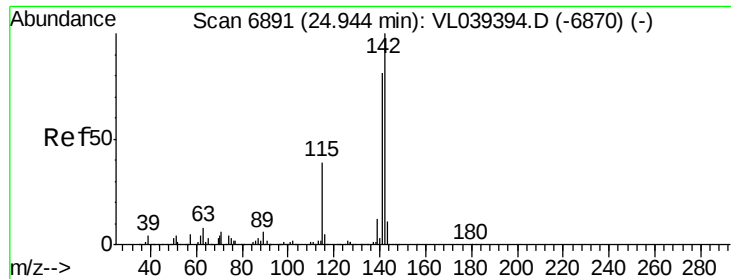
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 105   | Resp: | 25287 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 37.6  | 39.5  | 59.3# |
| 91       | 5.5   | 39.2  | 58.8# |
| 77       | 16.2  | 17.2  | 25.8# |



#76  
 1,4-Dichlorobenzene  
 Concen: 0.037 ppbv  
 RT: 17.15 min Scan# 4468  
 Delta R.T. 0.04 min  
 Lab File: VL039431.D  
 Acq: 5 Jul 2022 23:00

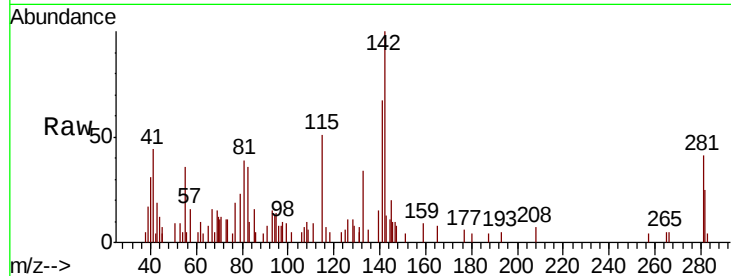
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 7755   |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 157.1 | 22.9  | 68.8#  |
| 148      | 0.0   | 33.6  | 100.8# |





#80  
 Naphthalene, 2-methyl-  
 Concen: 0.145 ppbv  
 RT: 24.98  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 Jul 2022 23:00

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 142     | 100   |       |        |
| 141     | 57.9  | 68.9  | 103.3# |
| 115     | 87.2  | 30.0  | 45.0#  |



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

