

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\  
 Data File : VL038196.D  
 Acq On : 16 Dec 2021 19:30  
 Operator : SY/AP  
 Sample : M5136-02  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Dec 17 05:09:20 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Nov 18 13:16:09 2021  
 QLast Update : Thu Nov 18 13:16:09 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 985105   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2477805  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2126753  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 1579127  | 10.29    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.90% |

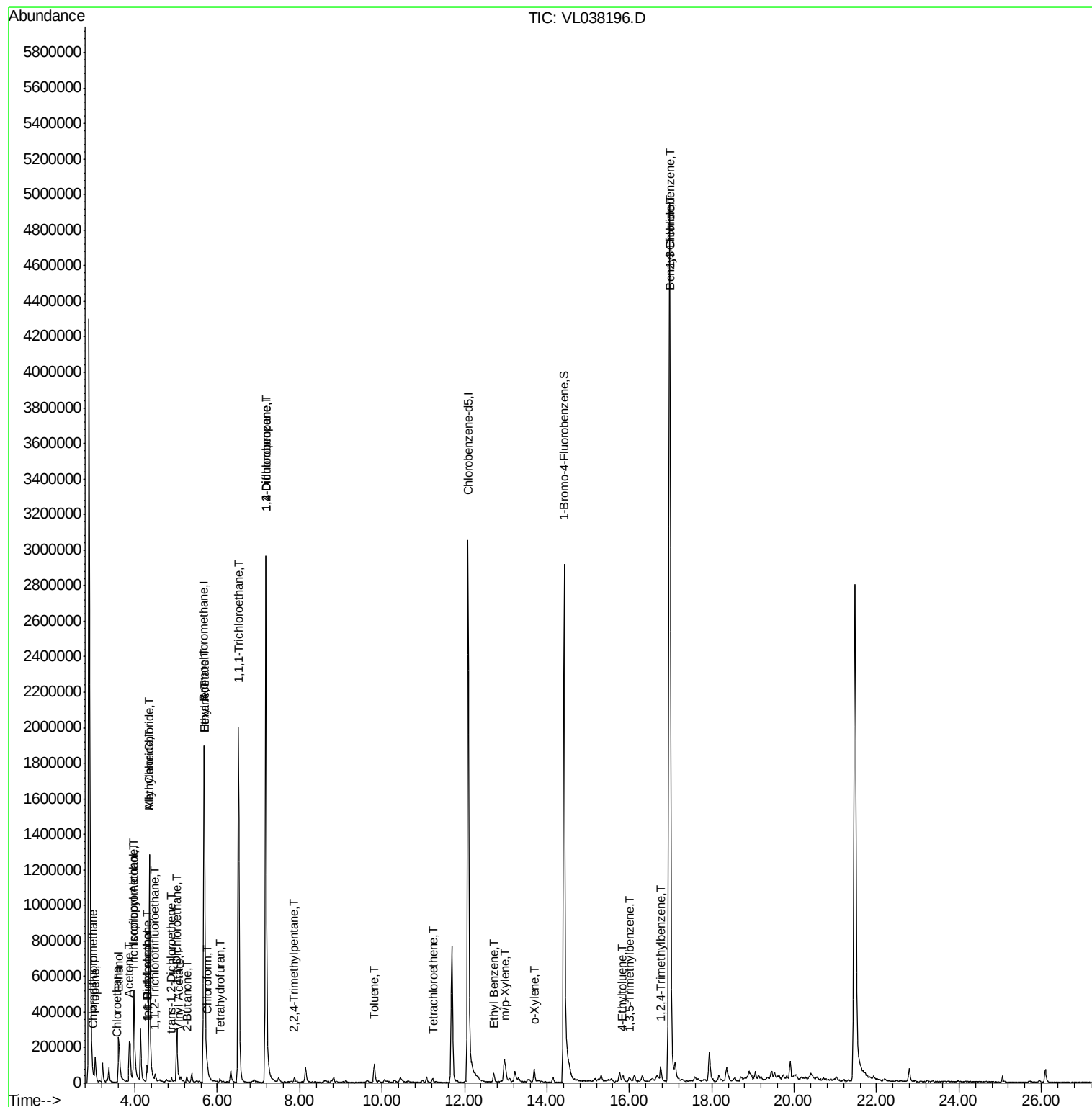
| Target Compounds               |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 3) Chlorodifluoromethane       | 3.00  | 51  | 30307   | 0.146  | ppbv 98   |
| 7) Chloroethane                | 3.56  | 64  | 1662    | 0.068  | ppbv 97   |
| 9) Propene                     | 3.03  | 41  | 13070   | 0.172  | ppbv # 49 |
| 11) Trichlorofluoromethane     | 3.95  | 101 | 24440   | 0.158  | ppbv 97   |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49  | 101 | 8472    | 0.077  | ppbv # 41 |
| 13) Ethanol                    | 3.61  | 45  | 370269  | 50.290 | ppbv 91   |
| 15) Acetone                    | 3.86  | 43  | 339186  | 3.971  | ppbv 91   |
| 17) tert-Butyl alcohol         | 4.30  | 59  | 30399   | 0.293  | ppbv # 89 |
| 18) 1,1-Dichloroethene         | 4.29  | 96  | 13017   | 0.259  | ppbv 99   |
| 19) Isopropyl Alcohol          | 3.98  | 45  | 682549  | 11.060 | ppbv # 98 |
| 20) Methylene Chloride         | 4.35  | 84  | 564899  | 11.808 | ppbv 94   |
| 21) Allyl Chloride             | 4.35  | 41  | 17987   | 0.228  | ppbv # 37 |
| 22) trans-1,2-Dichloroethene   | 4.89  | 96  | 4602    | 0.090  | ppbv # 87 |
| 23) Vinyl Acetate              | 5.07  | 43  | 9637    | 0.078  | ppbv # 68 |
| 24) 1,1-Dichloroethane         | 5.02  | 63  | 288284  | 2.800  | ppbv 98   |
| 25) Ethyl Acetate              | 5.69  | 43  | 301763  | 1.063  | ppbv # 86 |
| 26) Hexane                     | 5.69  | 57  | 305580  | 2.233  | ppbv # 54 |
| 29) Chloroform                 | 5.76  | 83  | 39464   | 0.196  | ppbv 87   |
| 32) 1,1,1-Trichloroethane      | 6.52  | 97  | 1440014 | 7.037  | ppbv 97   |
| 34) 2-Butanone                 | 5.26  | 43  | 43354   | 0.434  | ppbv 98   |
| 39) 1,2-Dichloropropane        | 7.18  | 63  | 653608  | 6.894  | ppbv # 27 |
| 41) Tetrahydrofuran            | 6.07  | 42  | 5192    | 0.084  | ppbv 91   |
| 44) 2,2,4-Trimethylpentane     | 7.87  | 57  | 18771   | 0.045  | ppbv # 51 |
| 52) Tetrachloroethene          | 11.22 | 164 | 3326    | 0.036  | ppbv # 73 |
| 53) Toluene                    | 9.81  | 91  | 71275   | 0.251  | ppbv 95   |
| 58) Ethyl Benzene              | 12.71 | 91  | 43302   | 0.123  | ppbv 96   |
| 59) m/p-Xylene                 | 13.00 | 91  | 29522   | 0.100  | ppbv # 29 |
| 60) o-Xylene                   | 13.69 | 91  | 31729   | 0.116  | ppbv # 50 |
| 66) Benzyl Chloride            | 16.99 | 91  | 839     | 0.048  | ppbv # 63 |
| 72) 4-Ethyltoluene             | 15.83 | 105 | 11383   | 0.036  | ppbv # 64 |
| 73) 1,3,5-Trimethylbenzene     | 15.99 | 105 | 9222    | 0.032  | ppbv # 69 |
| 74) 1,2,4-Trimethylbenzene     | 16.76 | 105 | 62050   | 0.207  | ppbv # 78 |
| 75) 1,3-Dichlorobenzene        | 17.00 | 146 | 57949   | 0.352  | ppbv # 50 |

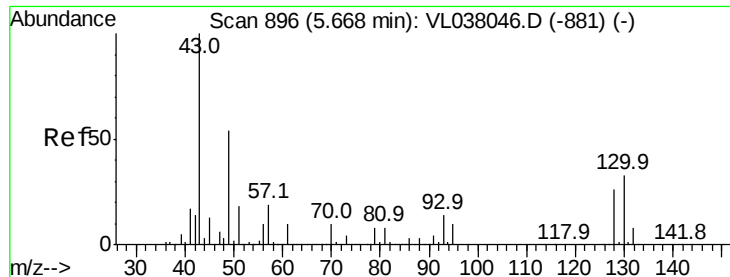
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121621\  
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Sample : M5136-02  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Dec 17 05:09:20 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Nov 18 13:16:09 2021  
QLast Update : Thu Nov 18 13:16:09 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 19:30

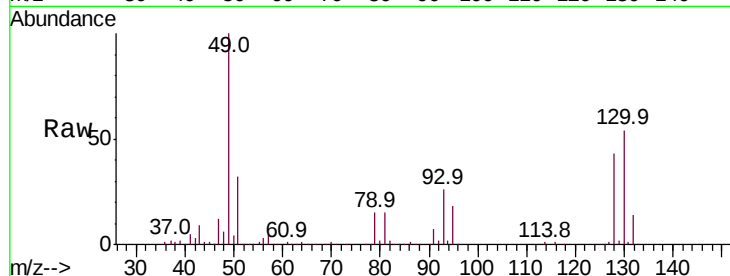
Tot Ion: 49 Resp: 985105

Ion Ratio Lower Upper

49 100

128 45.6 26.5 79.5

130 57.6 32.5 97.4



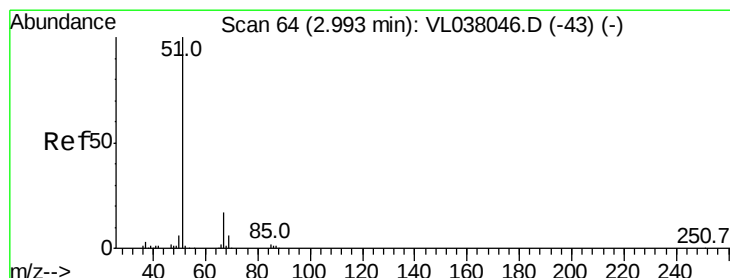
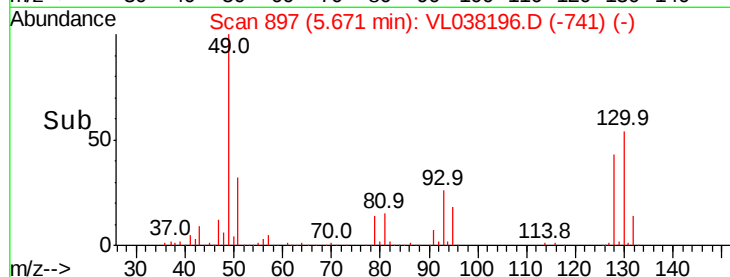
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#3

Chlorodifluoromethane

Concen: 0.146 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL038196.D

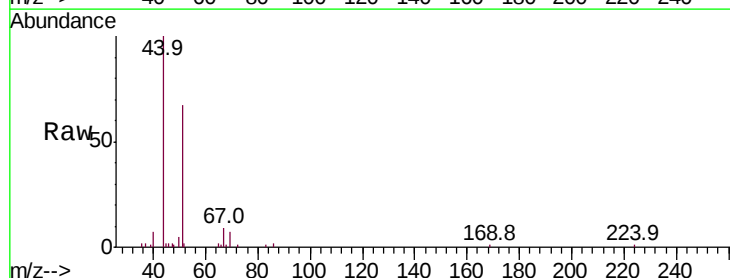
Acq: 16 Dec 2021 19:30

Tgt Ion: 51 Resp: 30307

Ion Ratio Lower Upper

51 100

67 16.3 13.8 20.8

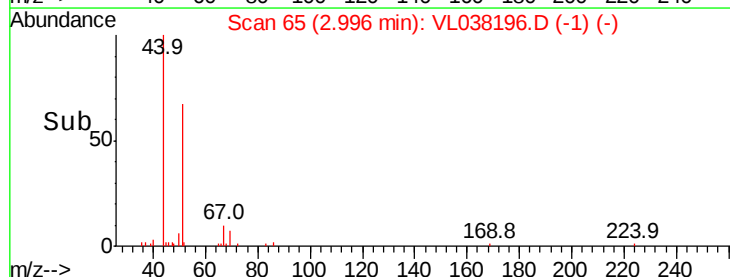


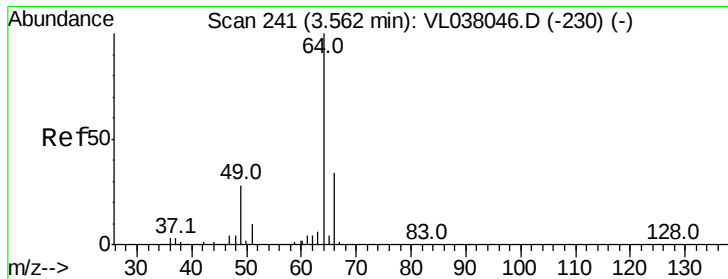
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00

Time-->





#7

Chloroethane

Concen: 0.068 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

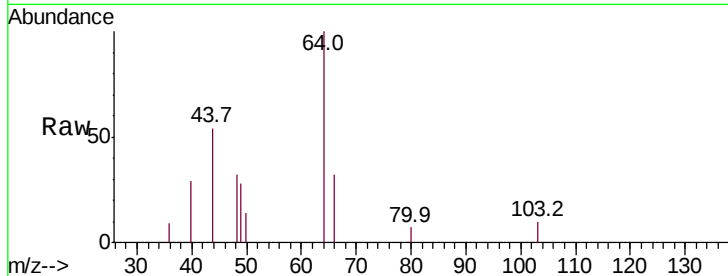
Acq: 16 Dec 2021 19:30

Tot Ion: 64 Resp: 1662

Ion Ratio Lower Upper

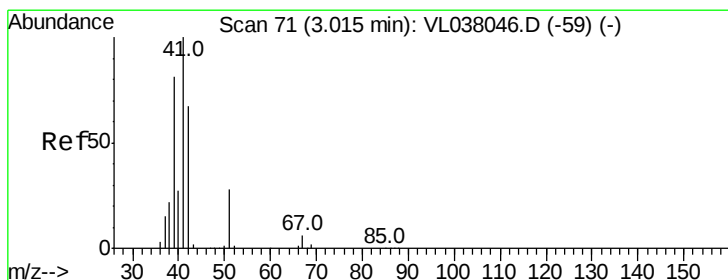
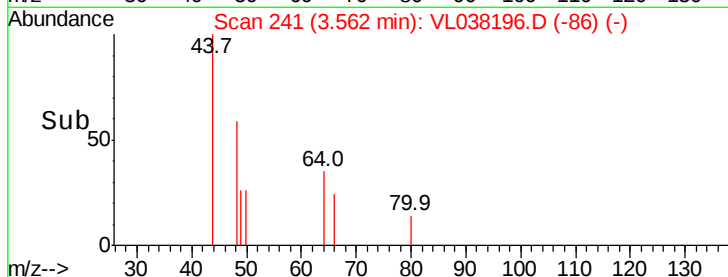
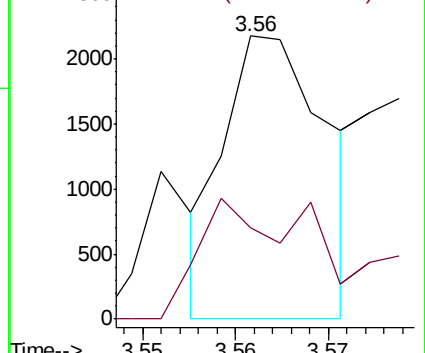
64 100

66 32.2 27.2 40.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.172 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL038196.D

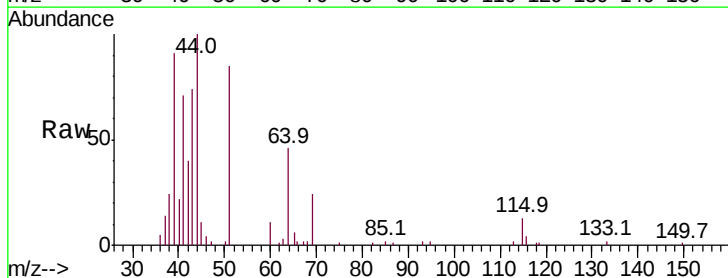
Acq: 16 Dec 2021 19:30

Tgt Ion: 41 Resp: 13070

Ion Ratio Lower Upper

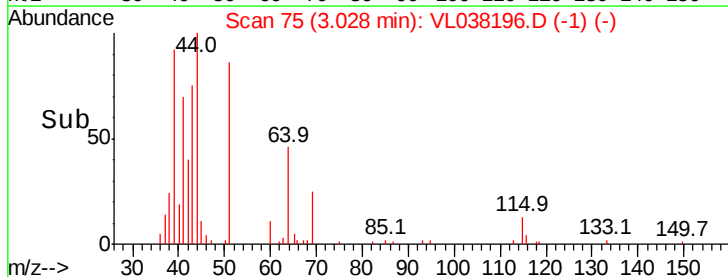
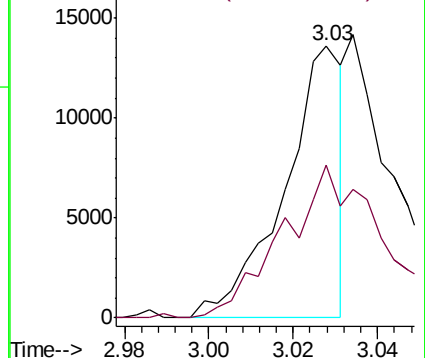
41 100

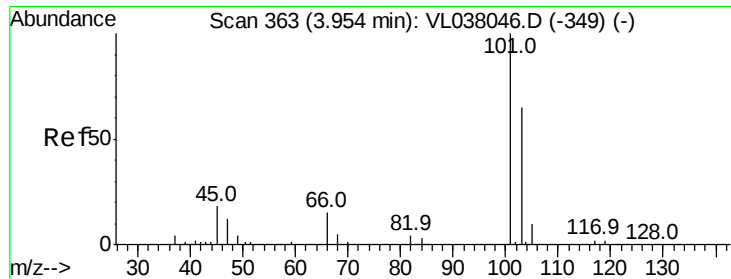
42 108.6 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

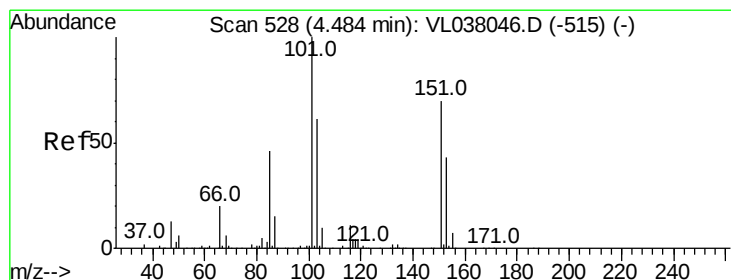
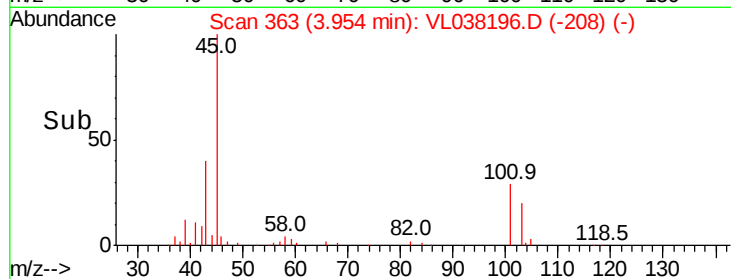
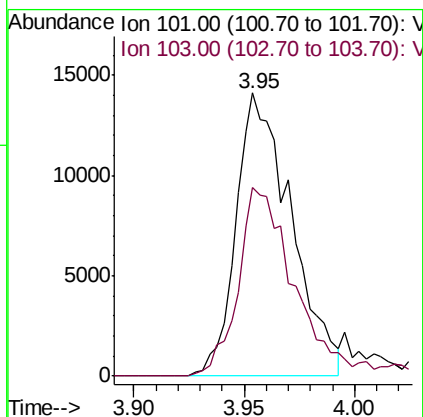
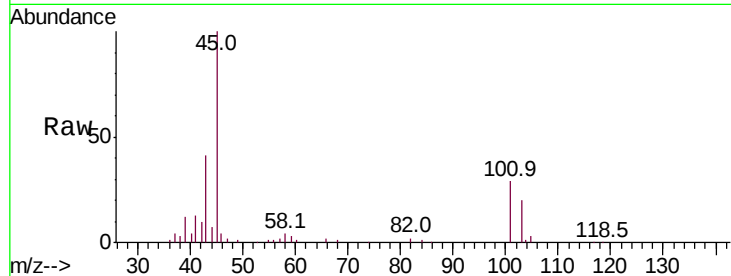
Ion 42.10 (41.80 to 42.80): VL0





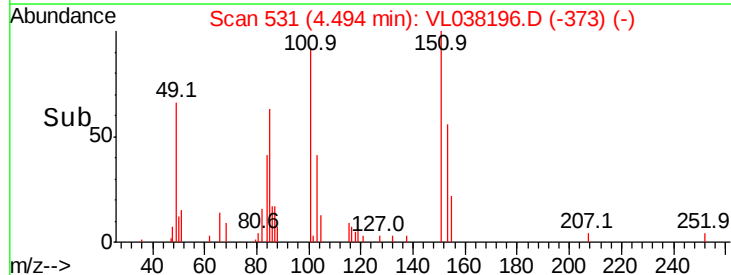
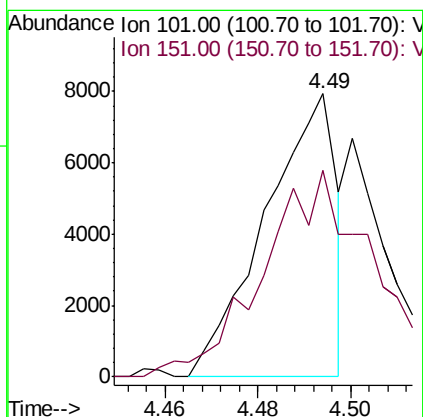
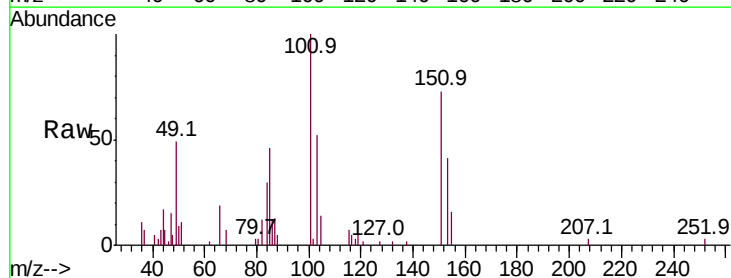
#11  
 Trichlorofluoromethane  
 Concen: 0.158 ppbv  
 RT: 3.95 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 16 Dec 2021 19:30

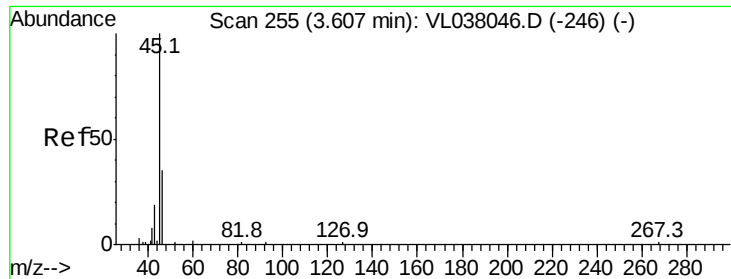
Tot Ion:101 Resp: 24440  
 Ion Ratio Lower Upper  
 101 100  
 103 66.7 51.8 77.6



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.077 ppbv  
 RT: 4.49 min Scan# 531  
 Delta R.T.: 0.01 min  
 Lab File: VL038196.D  
 Acq: 16 Dec 2021 19:30

Tgt Ion:101 Resp: 8472  
 Ion Ratio Lower Upper  
 101 100  
 151 123.7 59.0 88.4#





#13

Ethanol

Concen: 50.290 ppbv

RT: 3.61 Instrument :

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

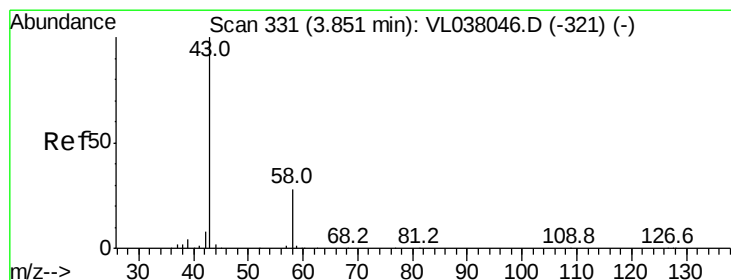
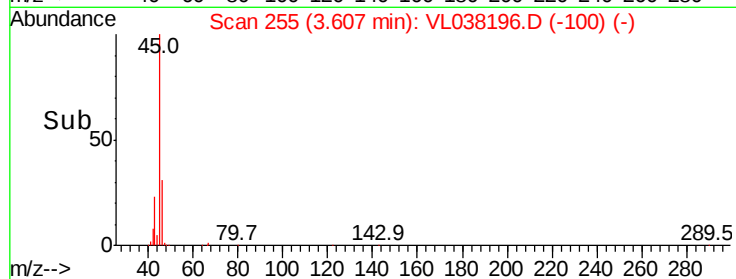
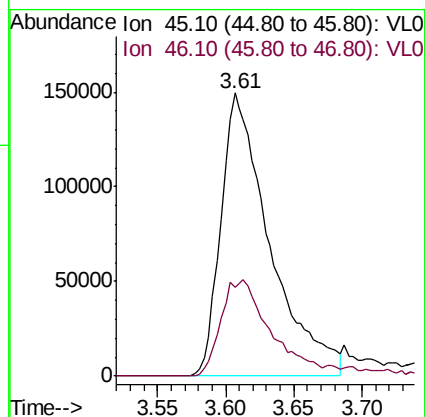
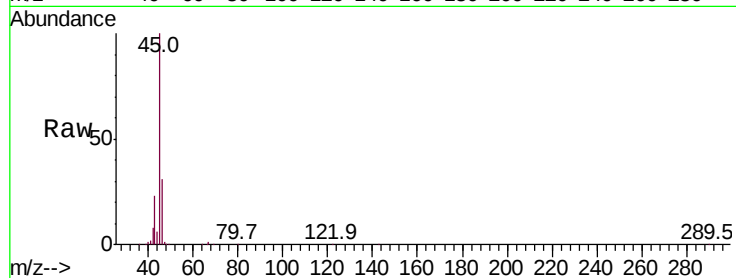
Acq: 16 Dec 2021 19:30

Tot Ion: 45 Resp: 370269

Ion Ratio Lower Upper

45 100

46 38.3 17.6 70.2



#15

Acetone

Concen: 3.971 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL038196.D

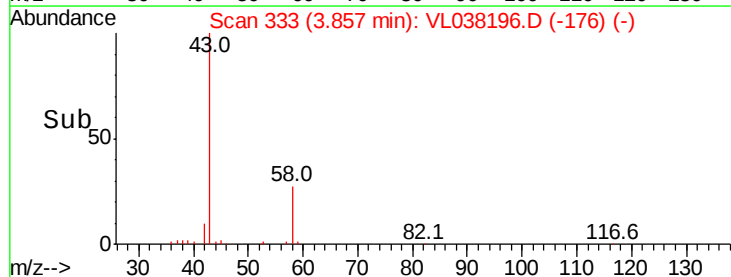
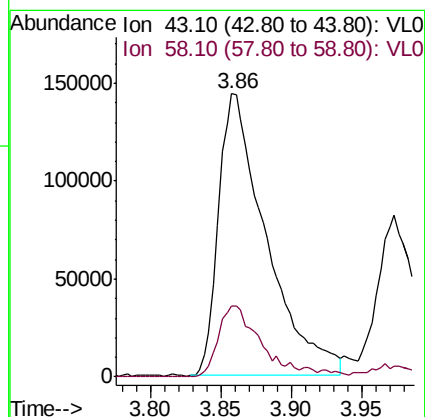
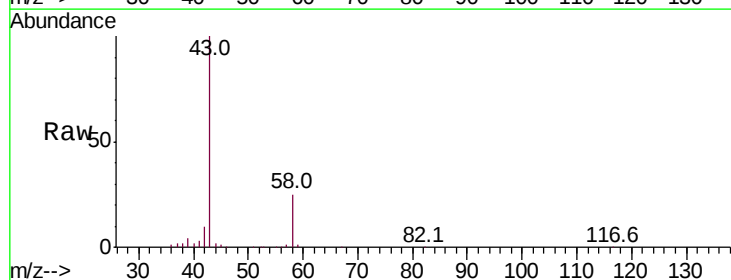
Acq: 16 Dec 2021 19:30

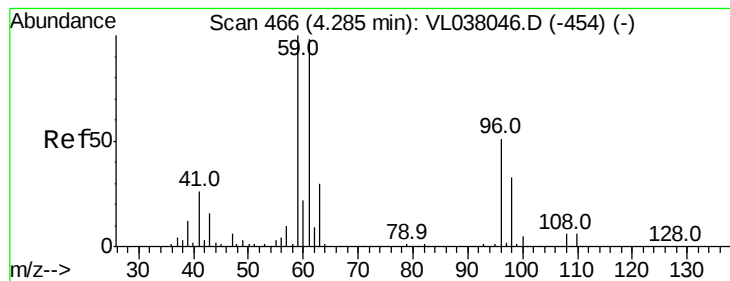
Tgt Ion: 43 Resp: 339186

Ion Ratio Lower Upper

43 100

58 23.5 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.293 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

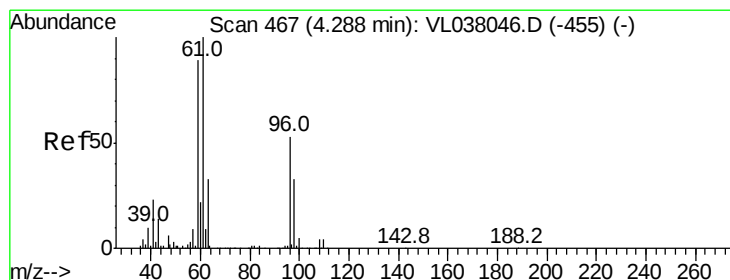
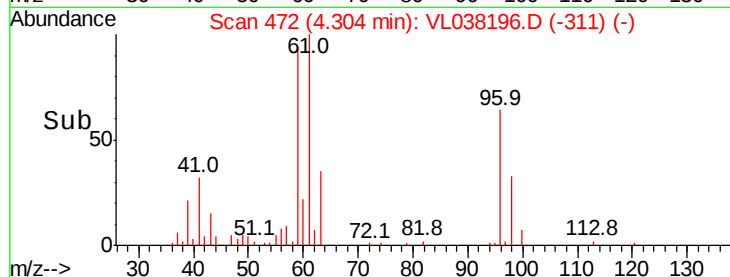
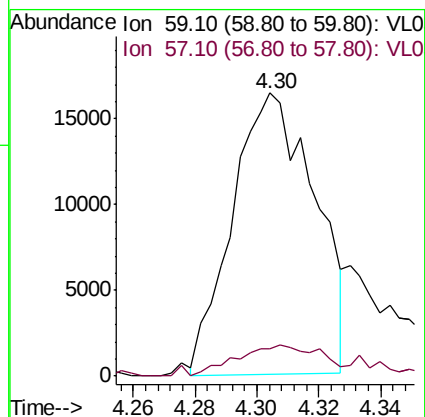
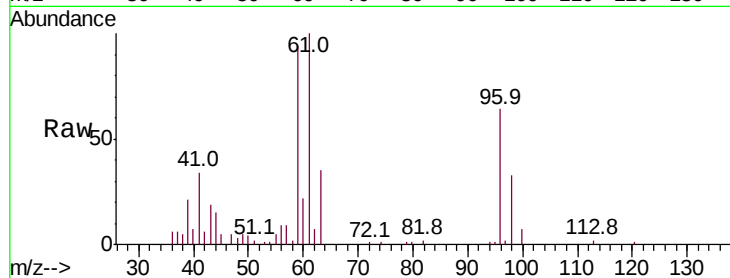
Acq: 16 Dec 2021 19:30

Tot Ion: 59 Resp: 30399

Ion Ratio Lower Upper

59 100

57 15.1 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 0.259 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

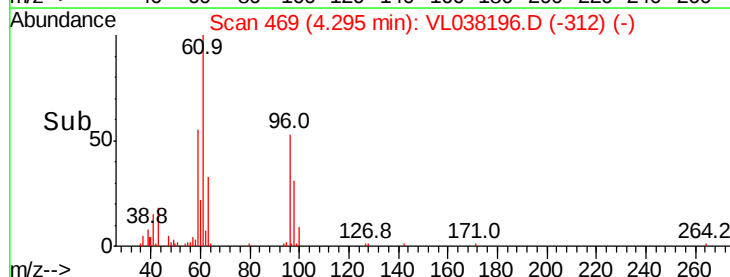
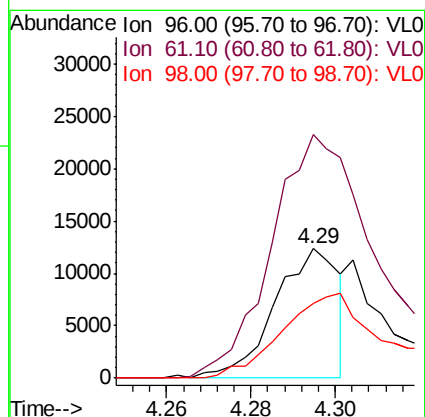
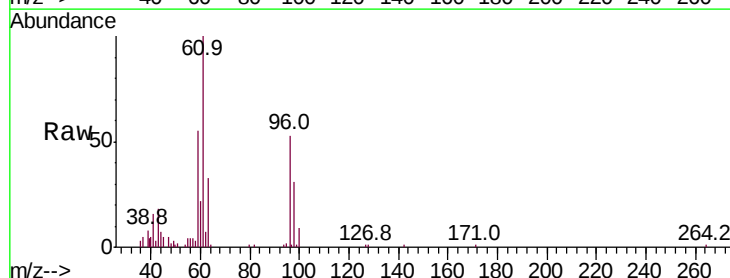
Tgt Ion: 96 Resp: 13017

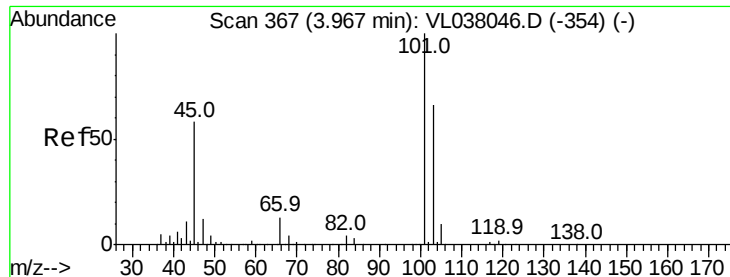
Ion Ratio Lower Upper

96 100

61 186.9 149.8 224.8

98 59.8 50.2 75.2





#19

Isopropyl Alcohol

Concen: 11.060 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

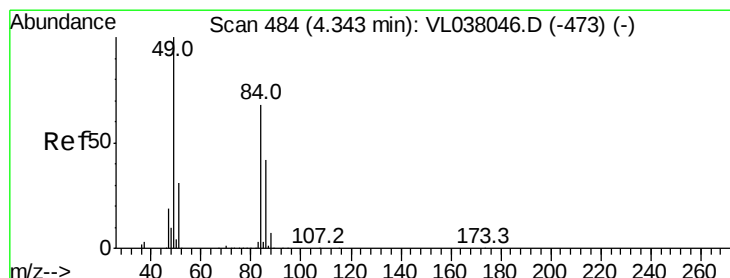
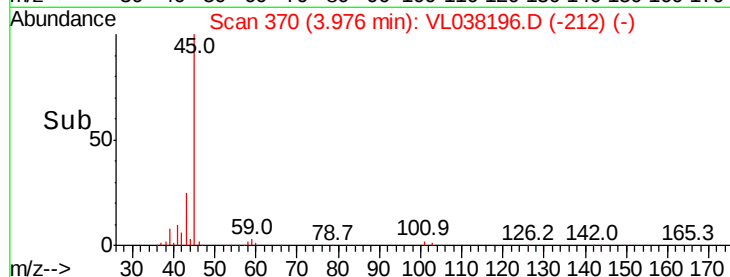
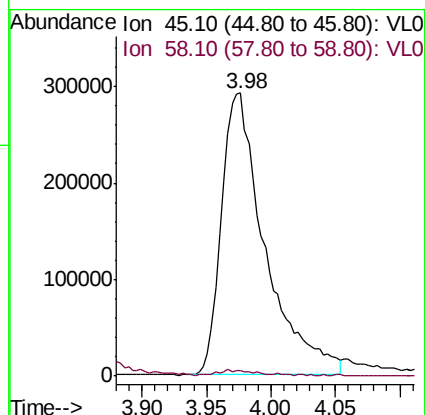
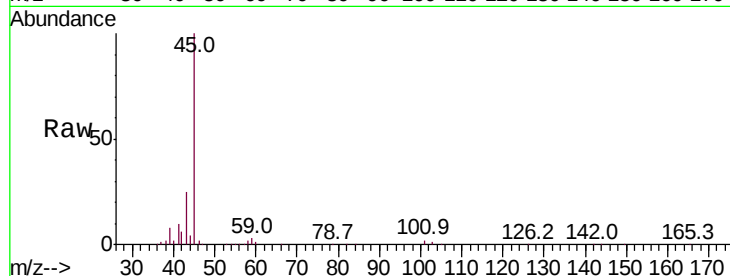
Acq: 16 Dec 2021 19:30

Tot Ion: 45 Resp: 682549

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.0#



#20

Methylene Chloride

Concen: 11.808 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

Tgt Ion: 84 Resp: 564899

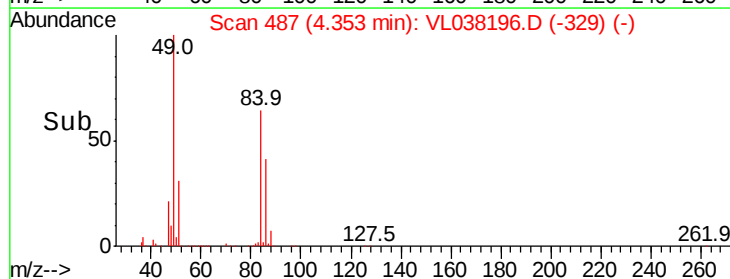
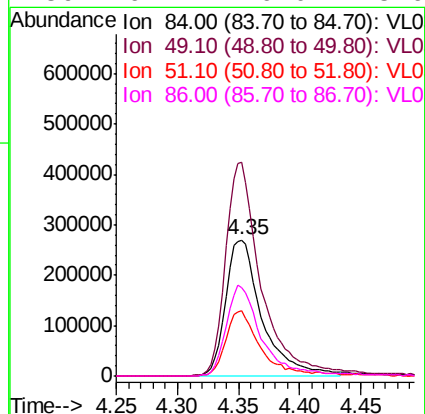
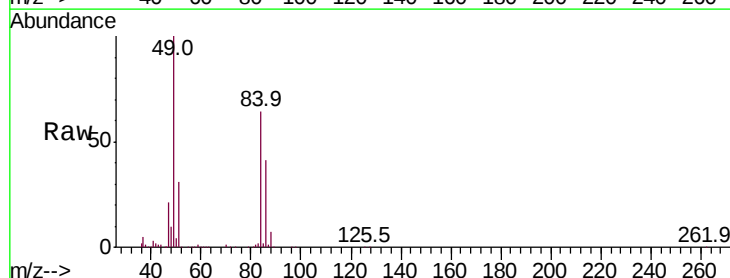
Ion Ratio Lower Upper

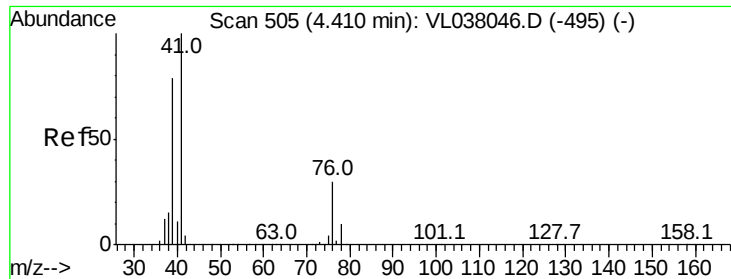
84 100

49 156.6 118.2 177.2

51 48.1 36.8 55.2

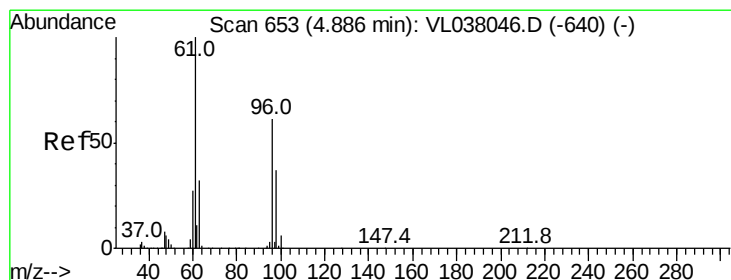
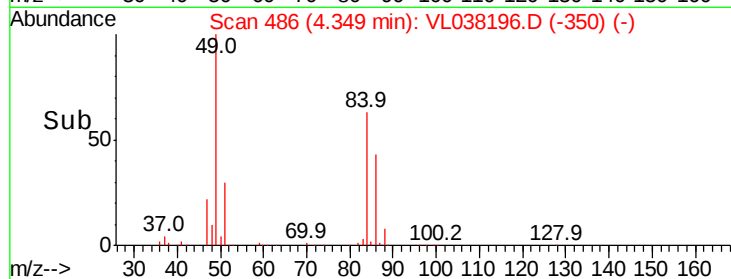
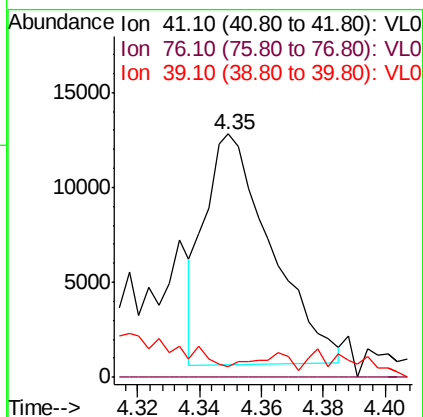
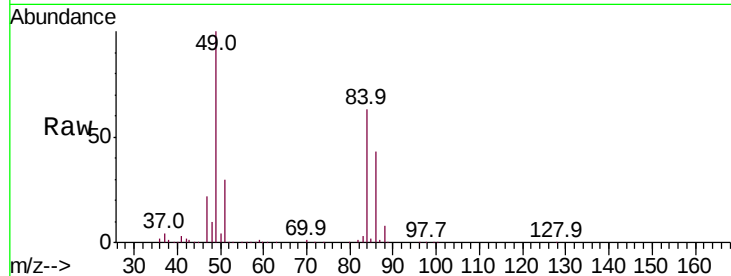
86 64.7 49.0 73.6





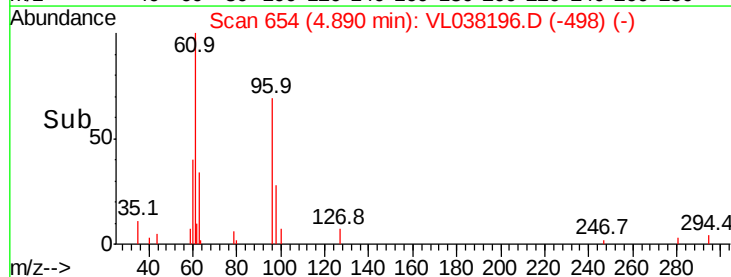
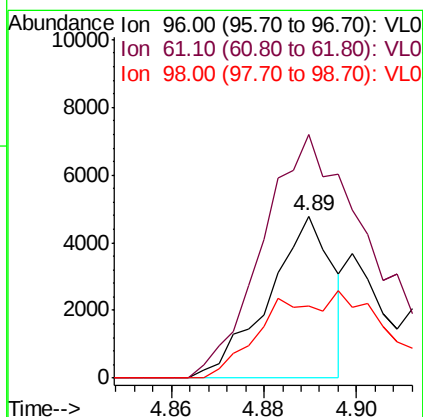
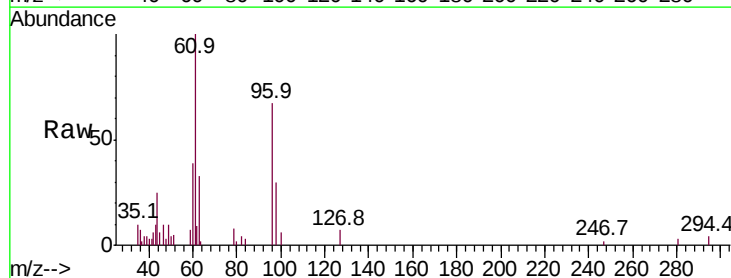
#21  
Allvl Chloride  
Concen: 0.228 ppbv  
RT: 4.35 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 16 Dec 2021 19:30

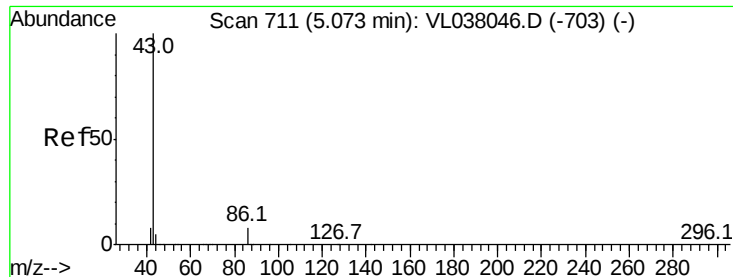
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 76      | 0.0   | 24.6  | 36.8# |
| 39      | 22.1  | 63.4  | 95.0# |



#22  
trans-1,2-Dichloroethene  
Concen: 0.090 ppbv  
RT: 4.89 min Scan# 654  
Delta R.T.: 0.00 min  
Lab File: VL038196.D  
Acq: 16 Dec 2021 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.2 | 131.6 | 197.4 |
| 98      | 44.6  | 48.4  | 72.6# |





#23

Vinyl Acetate

Concen: 0.078 ppbv

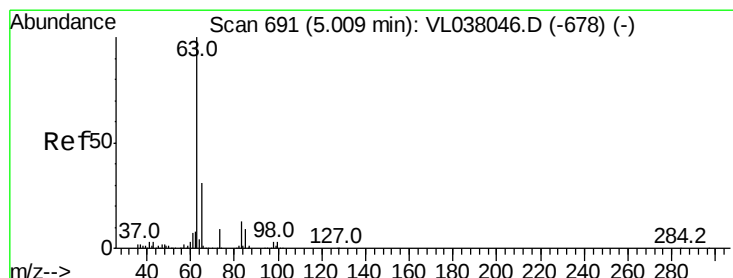
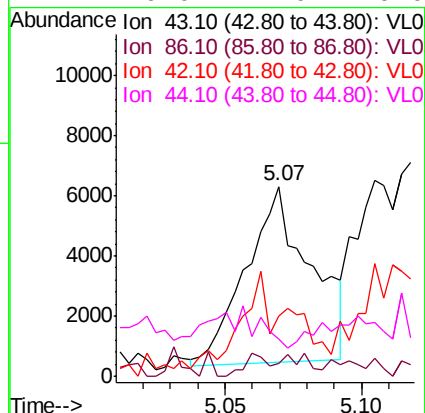
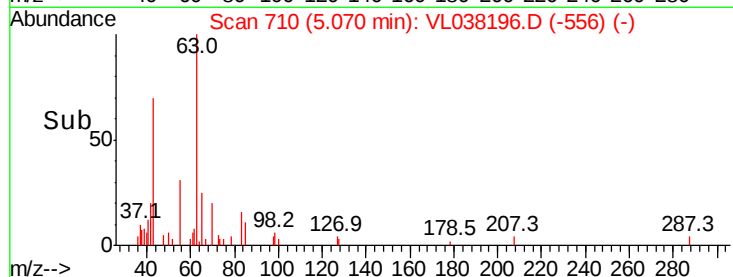
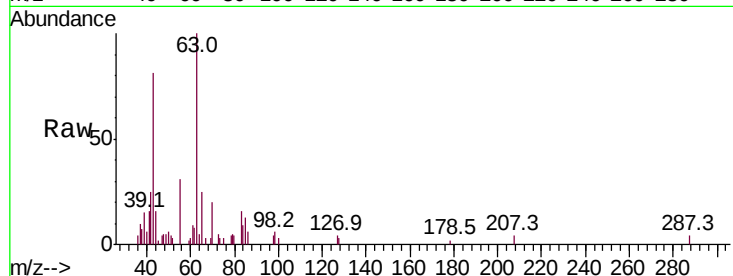
RT: 5.07 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 16 Dec 2021 19:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 9637  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 3.5   | 5.3   | 7.9#  |
| 42       | 29.8  | 7.0   | 10.6# |
| 44       | 0.0   | 4.0   | 6.0#  |



#24

1,1-Dichloroethane

Concen: 2.800 ppbv

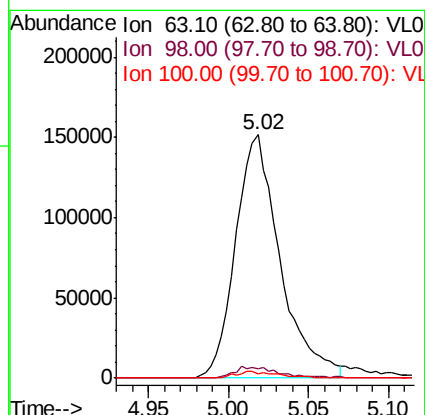
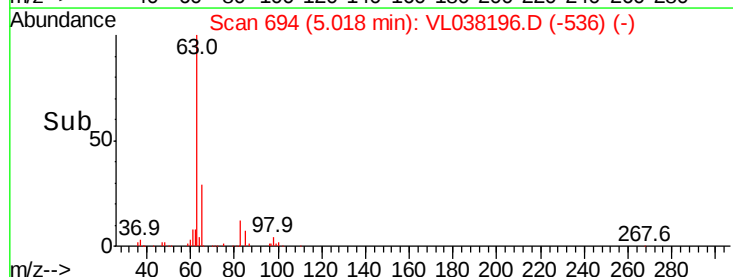
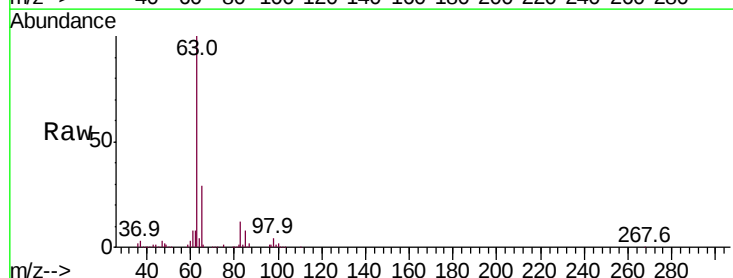
RT: 5.02 min Scan# 694

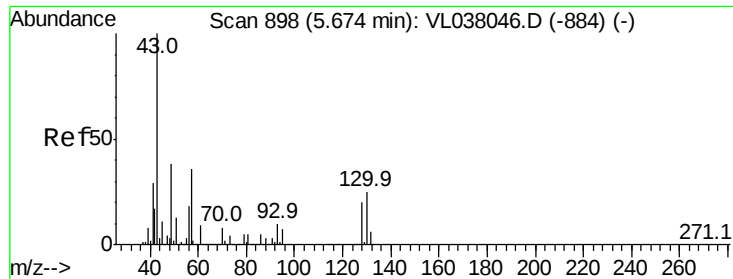
Delta R.T. 0.01 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

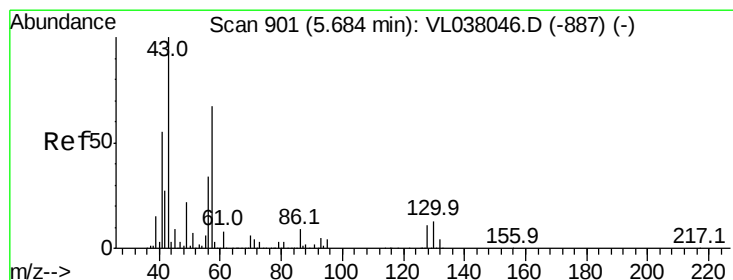
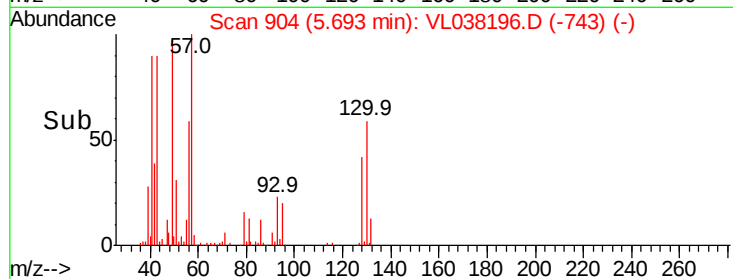
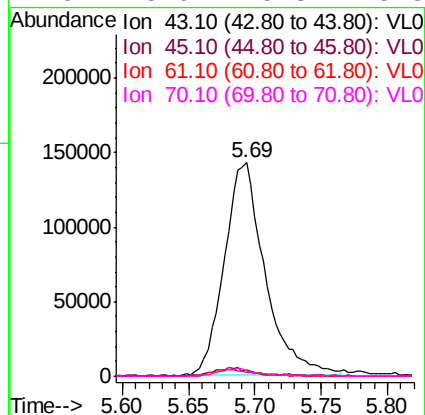
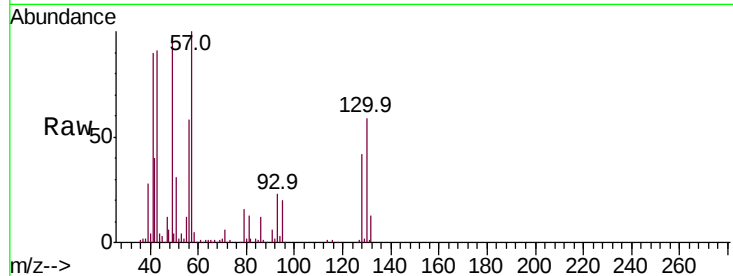
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 288284 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 4.1   | 1.8   | 5.4    |
| 100      | 1.8   | 1.4   | 4.0    |





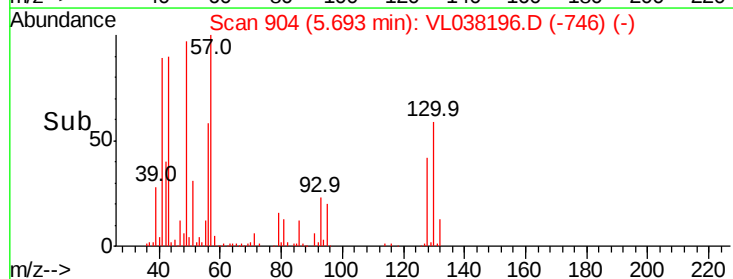
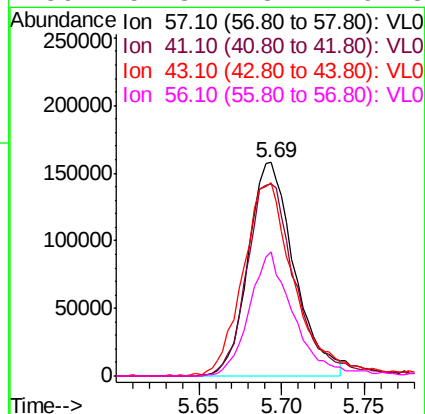
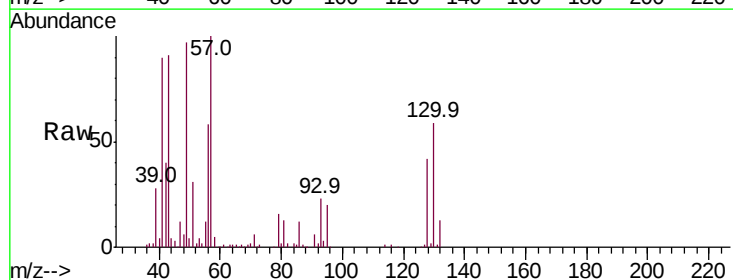
#25  
Ethyl Acetate  
Concen: 1.063 ppbv  
RT: 5.69 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 16 Dec 2021 19:30

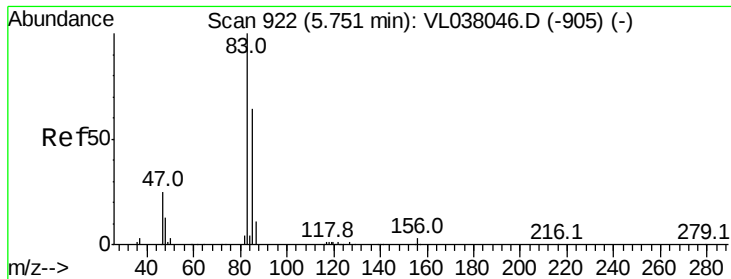
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 301763 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 4.4   | 7.9   | 11.9#  |
| 61       | 3.4   | 7.8   | 11.6#  |
| 70       | 3.9   | 5.8   | 8.8#   |



#26  
Hexane  
Concen: 2.233 ppbv  
RT: 5.69 min Scan# 904  
Delta R.T.: 0.01 min  
Lab File: VL038196.D  
Acq: 16 Dec 2021 19:30

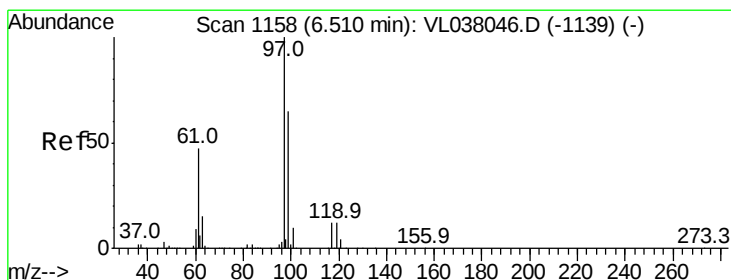
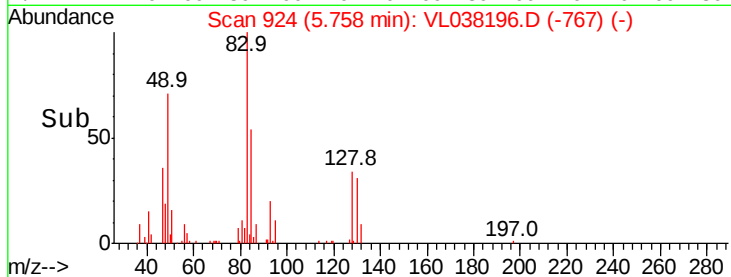
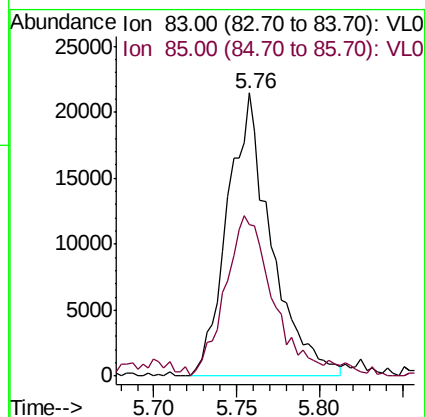
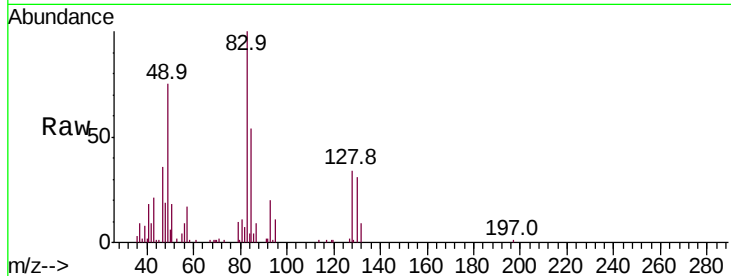
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 305580 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 98.1  | 71.4  | 107.2  |
| 43       | 103.9 | 174.6 | 261.8# |
| 56       | 57.3  | 43.2  | 64.8   |





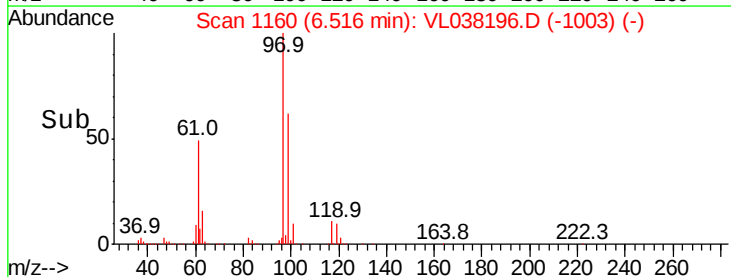
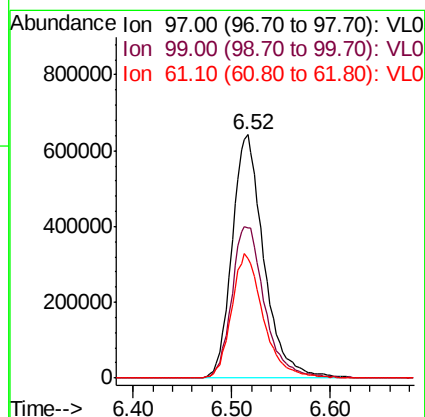
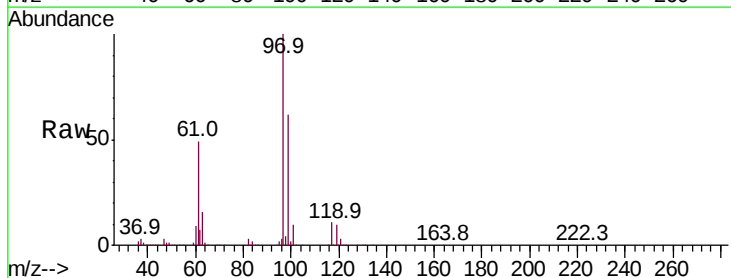
#29  
Chloroform  
Concen: 0.196 ppbv  
RT: 5.76  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 16 Dec 2021 19:30

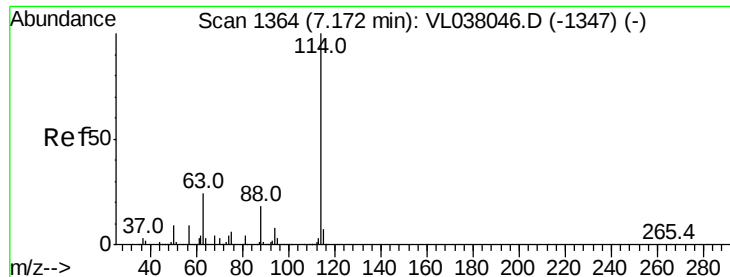
Tot Ion: 83 Resp: 39464  
Ion Ratio Lower Upper  
83 100  
85 53.6 51.0 76.6



#32  
1,1,1-Trichloroethane  
Concen: 7.037 ppbv  
RT: 6.52 min Scan# 1160  
Delta R.T. 0.01 min  
Lab File: VL038196.D  
Acq: 16 Dec 2021 19:30

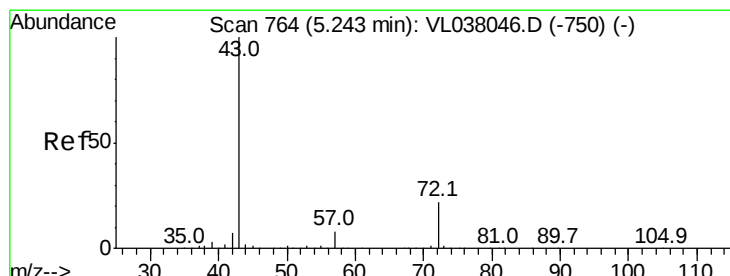
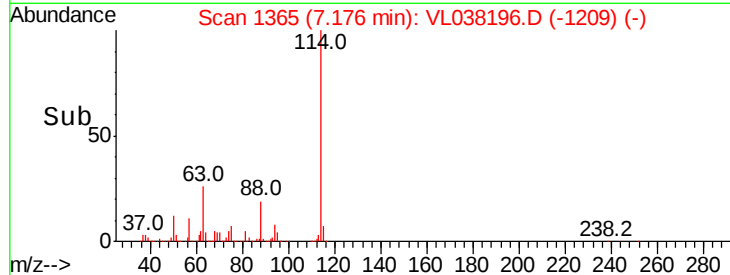
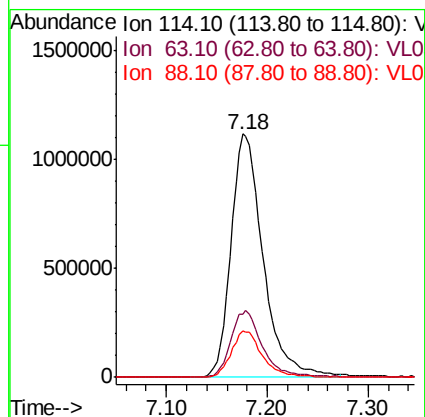
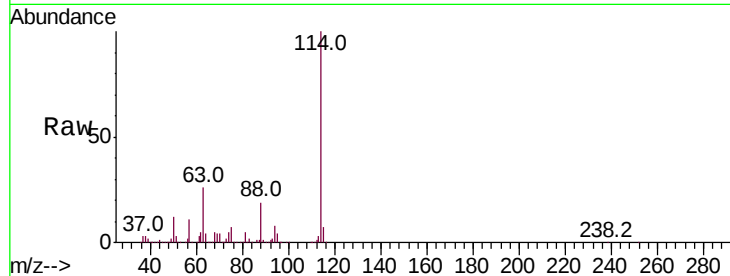
Tgt Ion: 97 Resp: 1440014  
Ion Ratio Lower Upper  
97 100  
99 64.7 52.2 78.4  
61 51.5 37.7 56.5





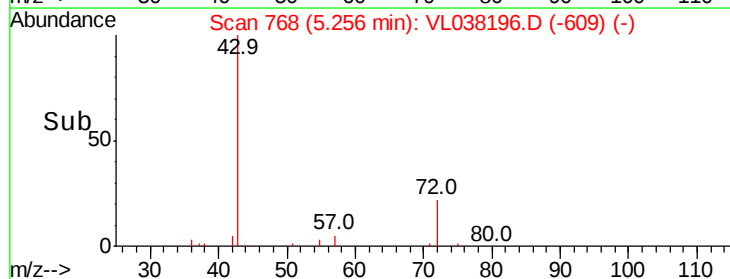
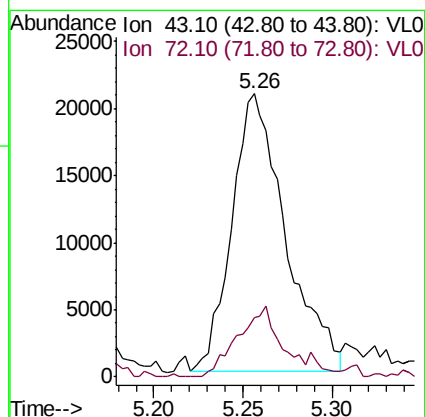
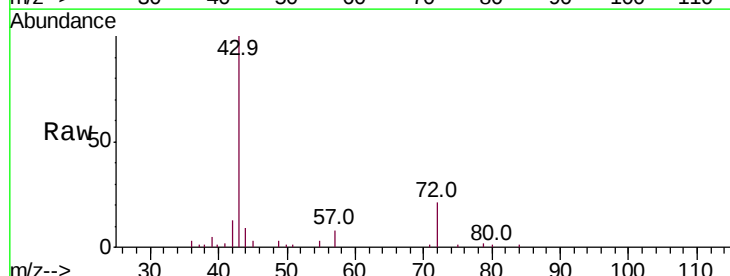
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 16 Dec 2021 19:30

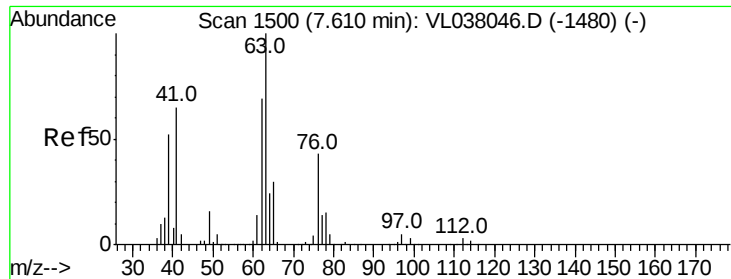
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 114   | Resp: | 2477805 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 27.3  | 19.7  | 29.5    |
| 88       | 18.5  | 14.4  | 21.6    |



#34  
 2-Butanone  
 Concen: 0.434 ppbv  
 RT: 5.26 min Scan# 768  
 Delta R.T. 0.01 min  
 Lab File: VL038196.D  
 Acq: 16 Dec 2021 19:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 43354 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.4  | 18.8  | 28.2  |





#39

1,2-Dichloropropane

Concen: 6.894 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 19:30

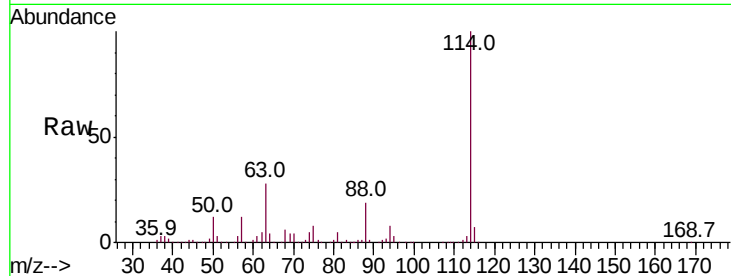
Tot Ion: 63 Resp: 653608

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

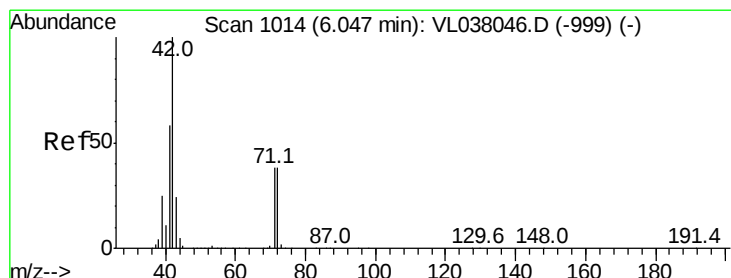
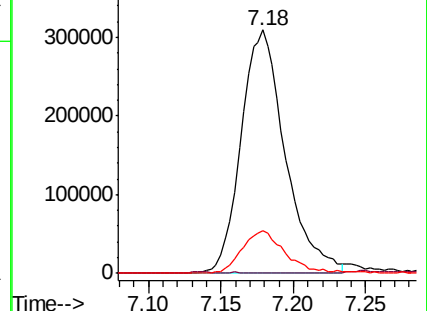
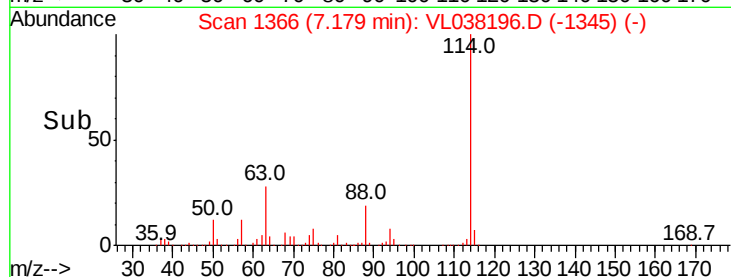
62 17.2 55.1 82.7#



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: 0.084 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.02 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

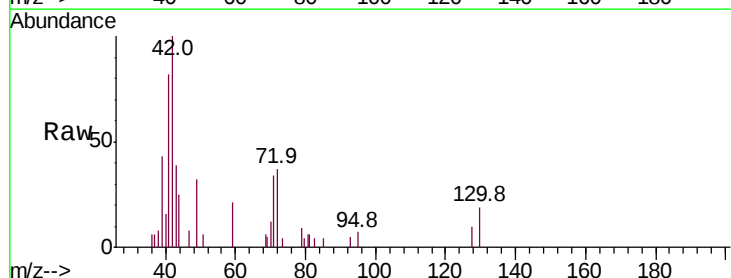
Tgt Ion: 42 Resp: 5192

Ion Ratio Lower Upper

42 100

72 44.0 31.7 47.5

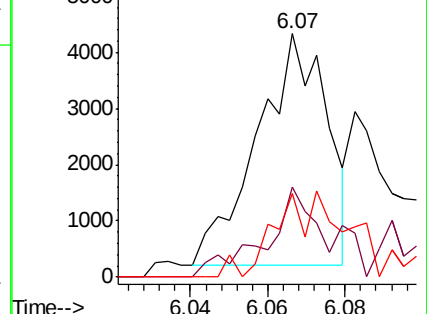
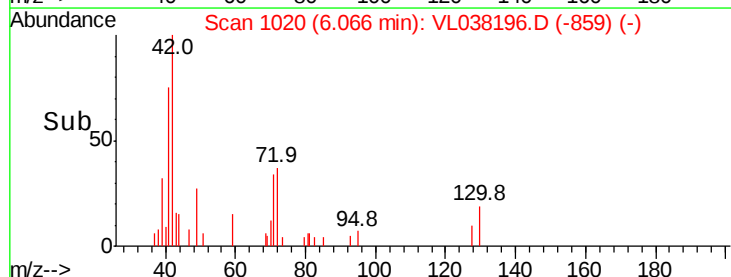
71 45.2 30.6 46.0

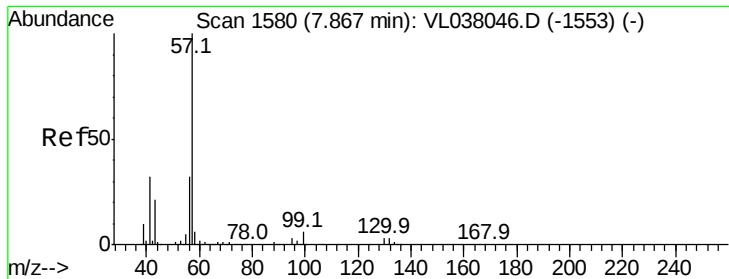


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.045 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 19:30

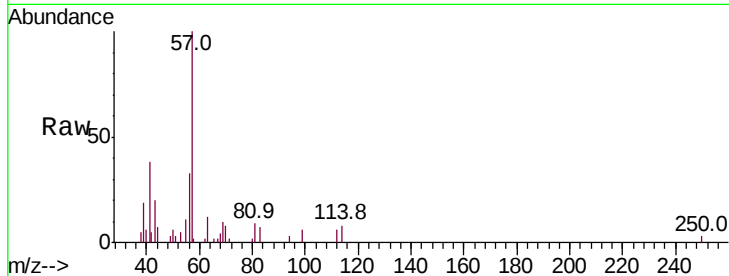
Tot Ion: 57 Resp: 18771

Ion Ratio Lower Upper

57 100

41 54.7 25.8 38.6#

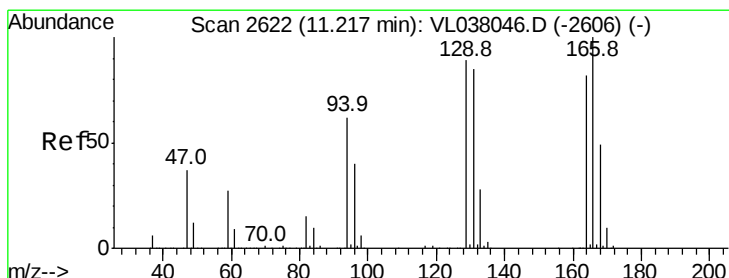
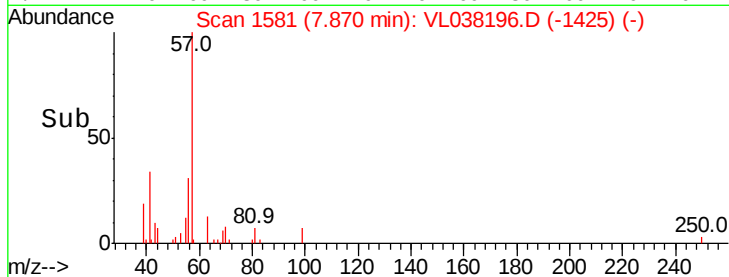
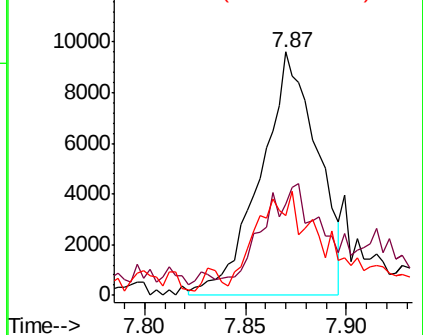
56 64.6 25.6 38.4#



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: 0.036 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.01 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

Tgt Ion:164 Resp: 3326

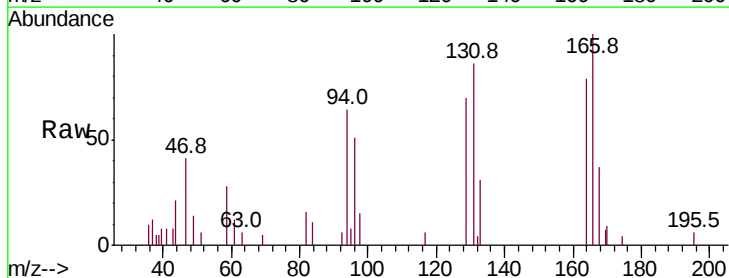
Ion Ratio Lower Upper

164 100

166 111.1 97.2 145.8

129 78.0 86.9 130.3#

131 57.3 82.8 124.2#

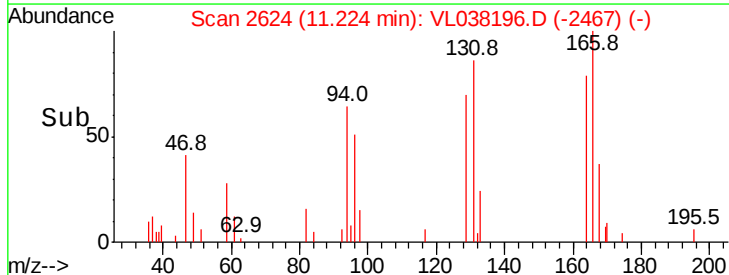
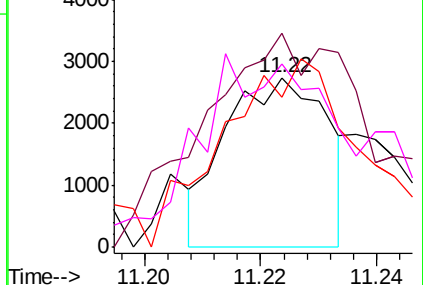


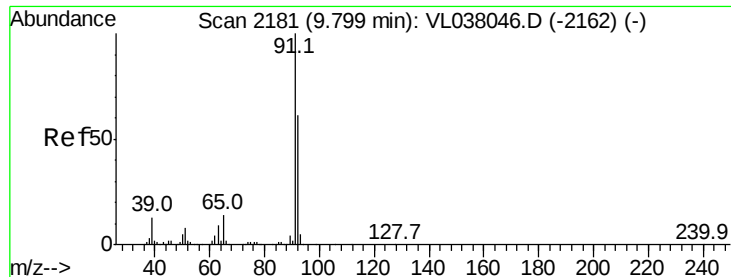
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.251 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

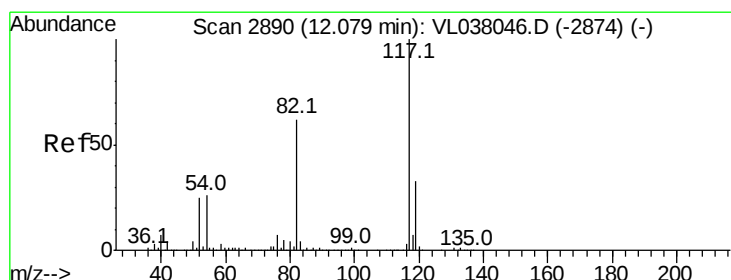
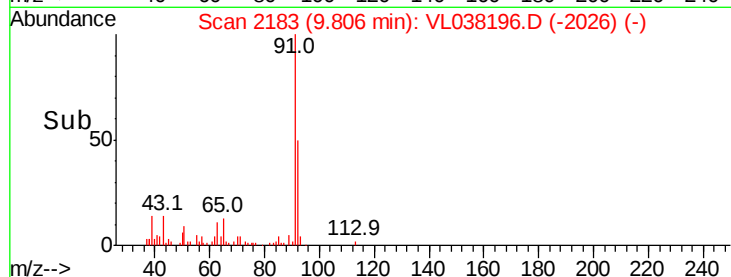
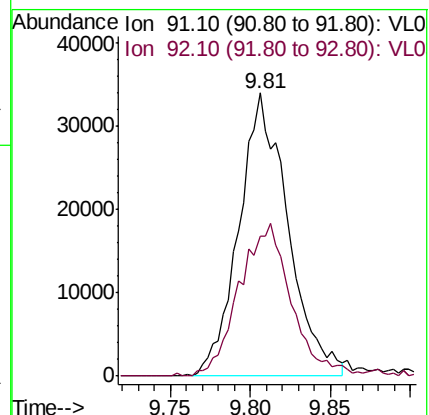
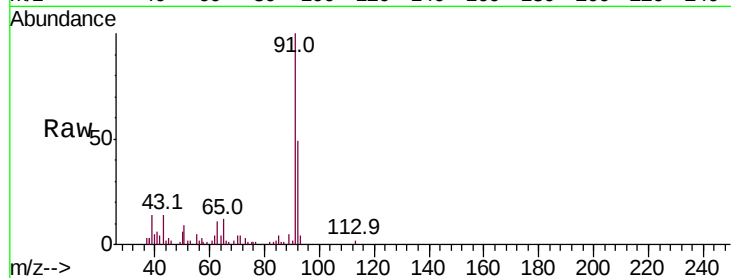
Acq: 16 Dec 2021 19:30

Tot Ion: 91 Resp: 71275

Ion Ratio Lower Upper

91 100

92 58.0 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

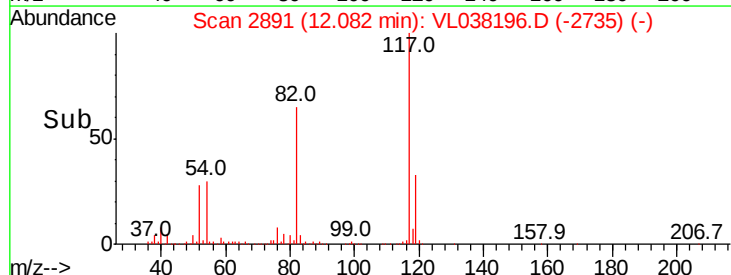
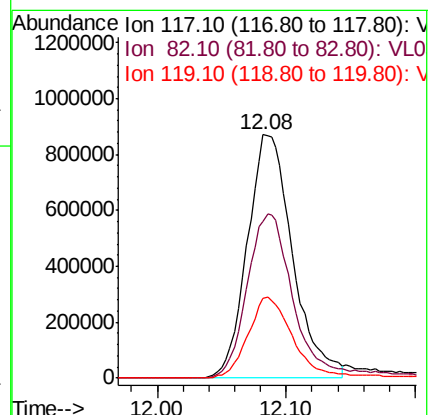
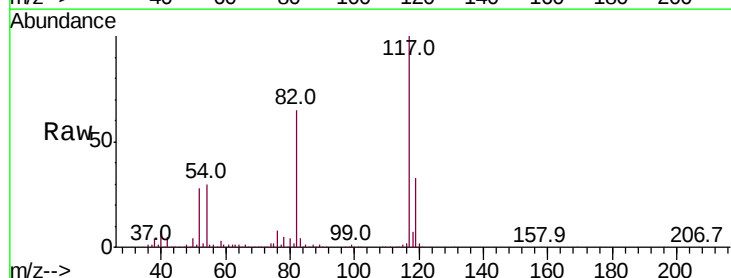
Tgt Ion: 117 Resp: 2126753

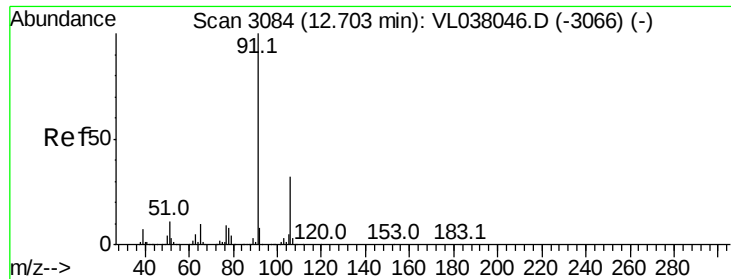
Ion Ratio Lower Upper

117 100

82 72.4 52.8 79.2

119 35.4 26.8 40.2





#58

Ethyl Benzene

Concen: 0.123 ppbv

RT: 12.71

Delta R.T. MSVOA\_L

Lab File:

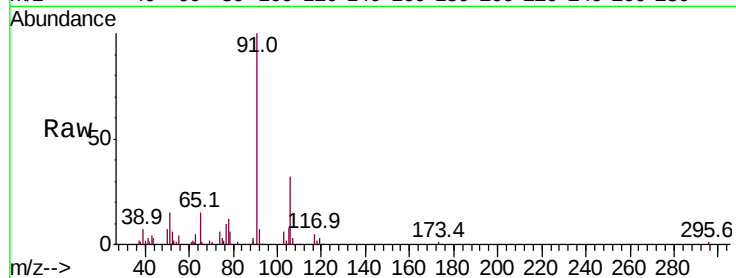
Acq: 16 Dec 2021 19:30

Tot Ion: 91 Resp: 43302

Ion Ratio Lower Upper

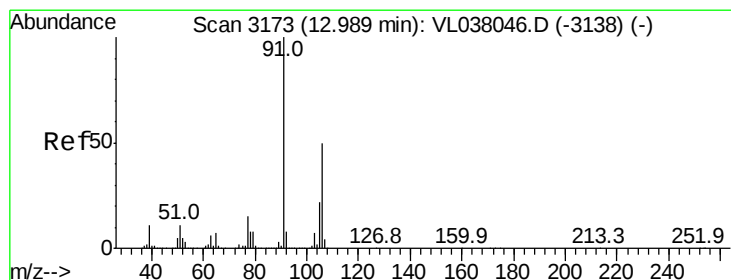
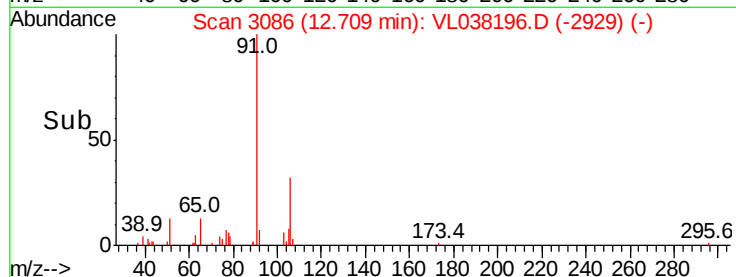
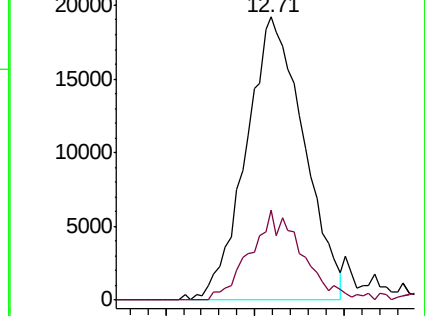
91 100

106 34.4 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.100 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. 0.01 min

Lab File: VL038196.D

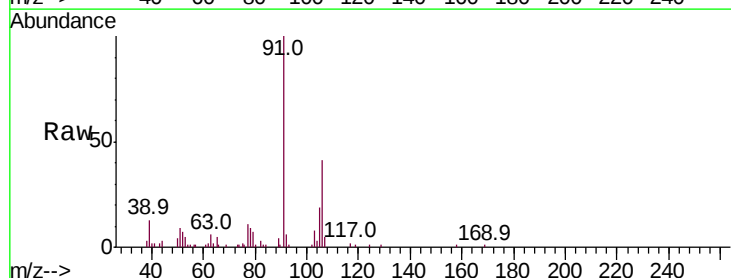
Acq: 16 Dec 2021 19:30

Tgt Ion: 91 Resp: 29522

Ion Ratio Lower Upper

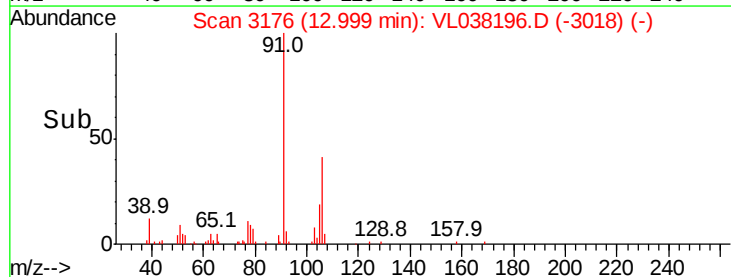
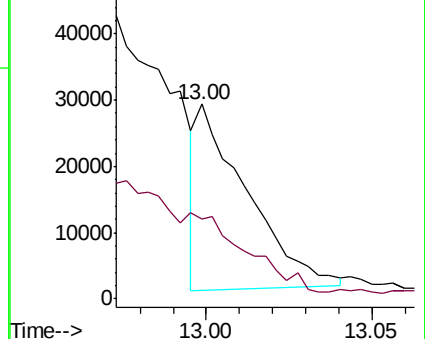
91 100

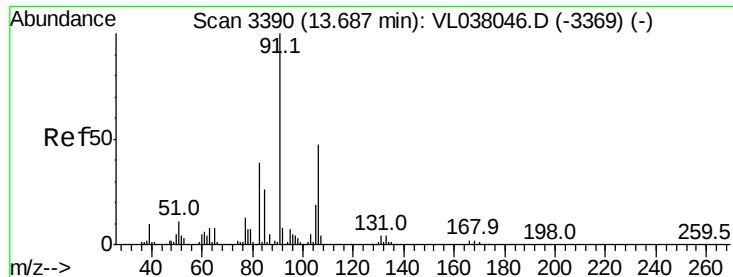
106 0.0 38.1 57.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

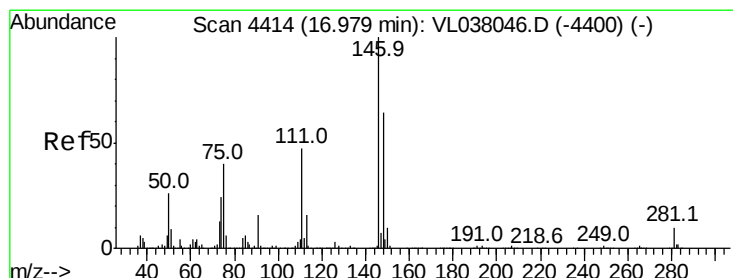
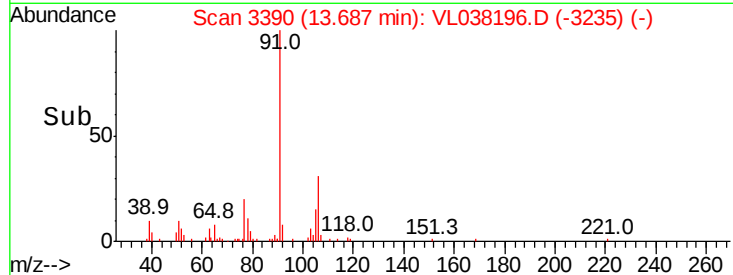
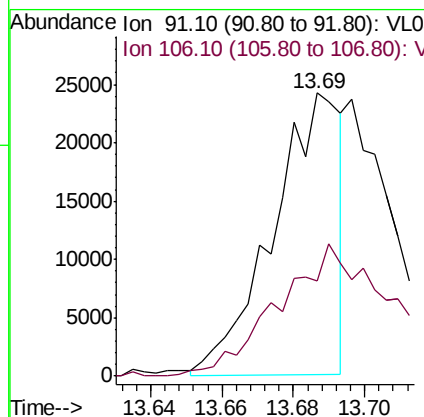
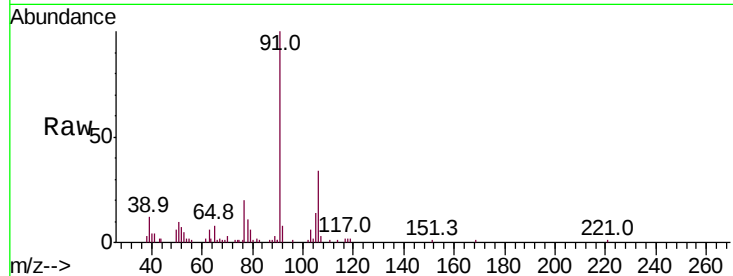
Ion 106.10 (105.80 to 106.80): V





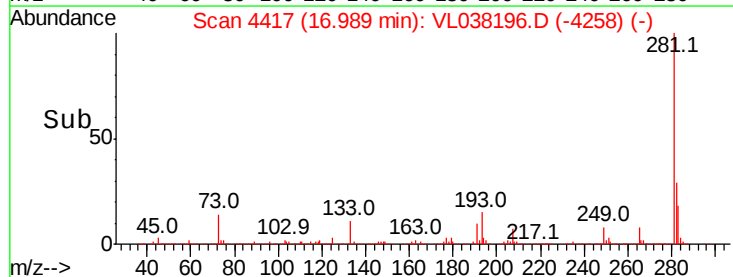
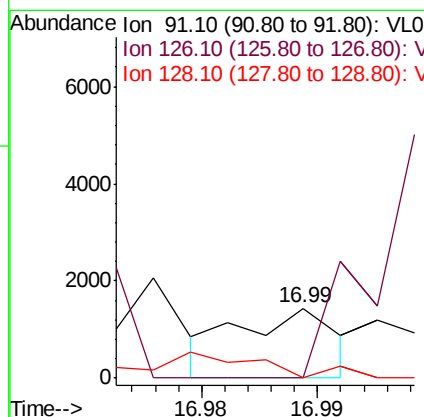
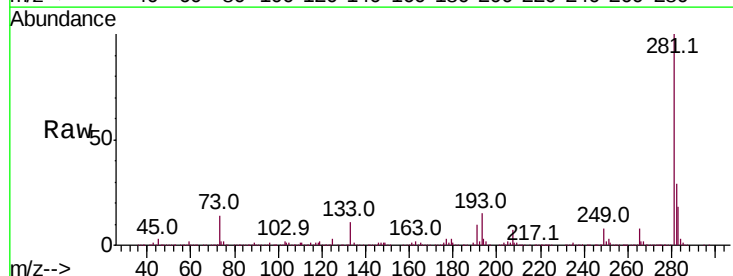
#60  
o-Xylene  
Concen: 0.116 ppbv  
RT: 13.69 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
Acq: 16 Dec 2021 19:30

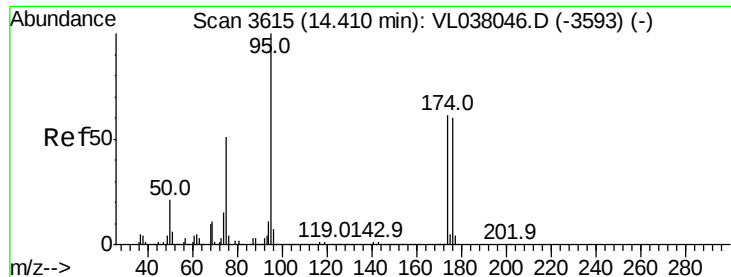
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 82.0  | 24.2  | 72.6# |



#66  
Benzyl Chloride  
Concen: 0.048 ppbv  
RT: 16.99 min Scan# 4417  
Delta R.T. 0.01 min  
Lab File: VL038196.D  
Acq: 16 Dec 2021 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 0.0   | 15.5  | 23.3# |
| 128     | 0.0   | 5.6   | 8.4#  |





#68

1-Bromo-4-Fluorobenzene

Concen: 10.294 ppbv

RT: 14.42

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 19:30

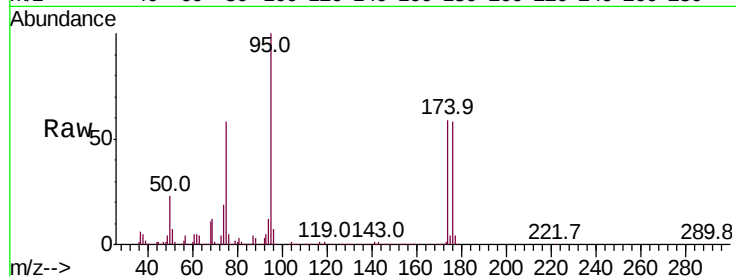
Tot Ion: 95 Resp: 1579127

Ion Ratio Lower Upper

95 100

174 66.7 53.1 79.7

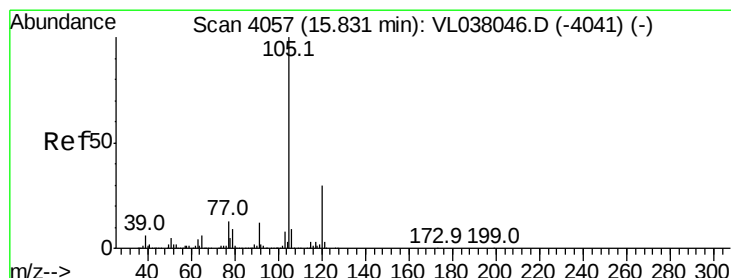
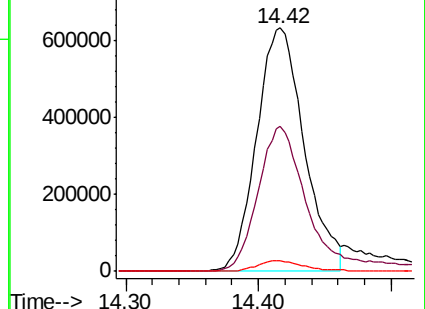
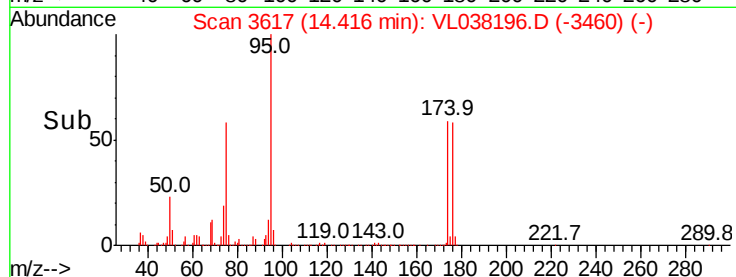
175 4.8 4.0 6.0



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



#72

4-Ethyltoluene

Concen: 0.036 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.00 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

Tgt Ion: 105 Resp: 11383

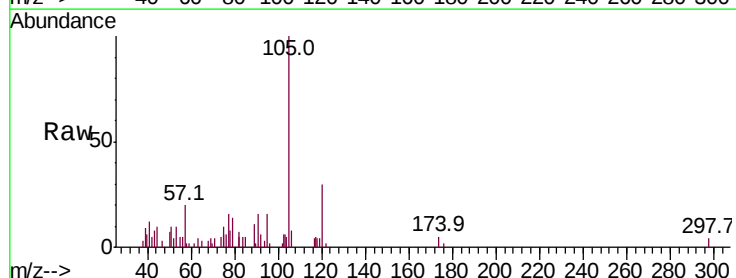
Ion Ratio Lower Upper

105 100

120 52.6 25.1 37.7#

91 0.0 9.7 14.5#

77 0.0 10.6 16.0#

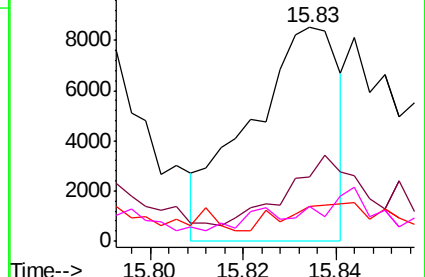
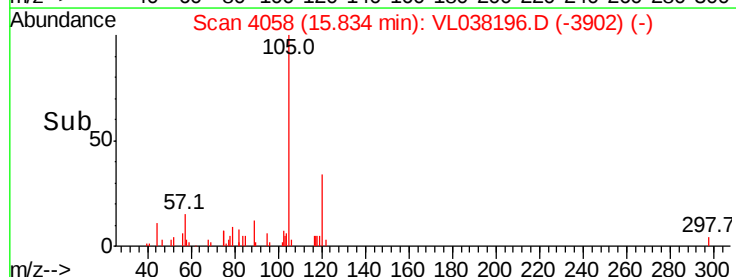


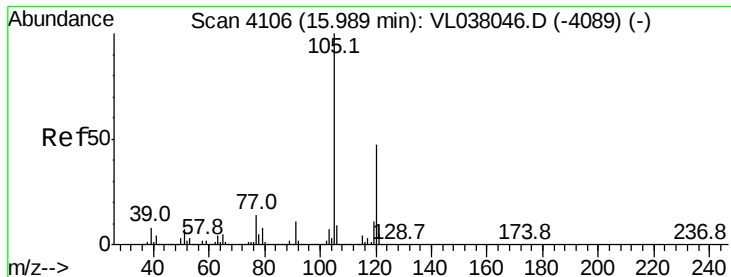
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.032 ppbv

RT: 15.99

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

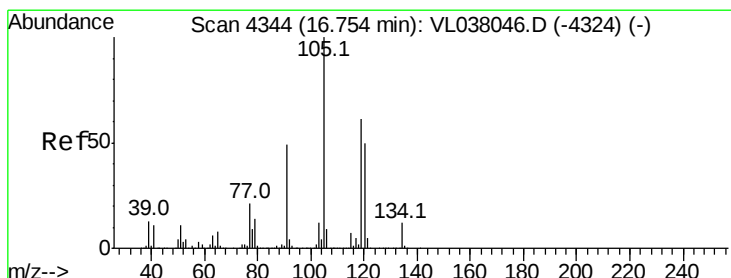
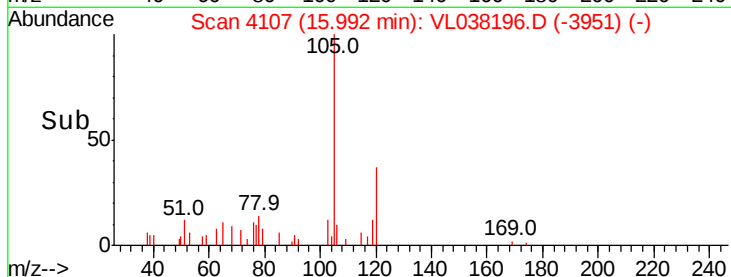
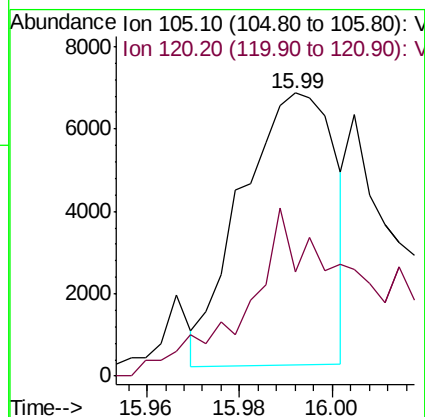
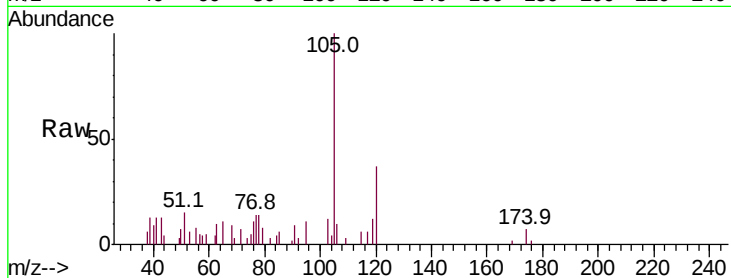
Acq: 16 Dec 2021 19:30

Tot Ion:105 Resp: 9222

Ion Ratio Lower Upper

105 100

120 26.6 37.8 56.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.207 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL038196.D

Acq: 16 Dec 2021 19:30

Tgt Ion:105 Resp: 62050

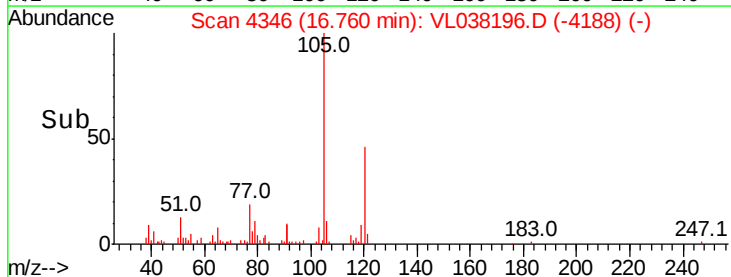
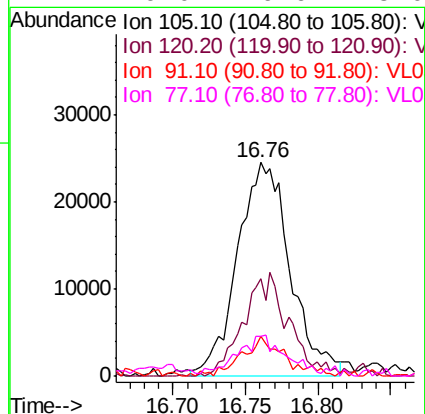
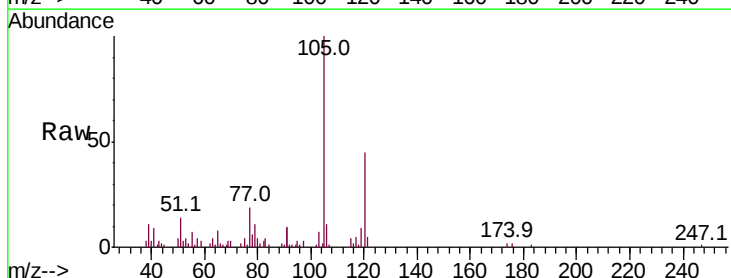
Ion Ratio Lower Upper

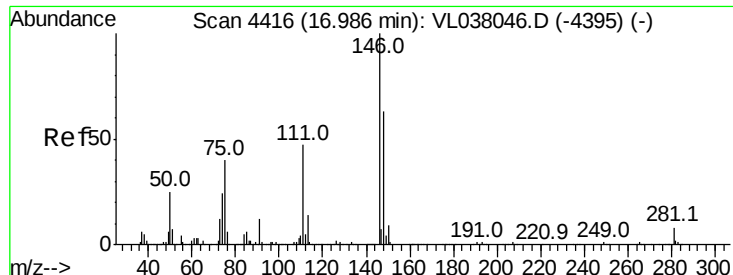
105 100

120 46.4 40.1 60.1

91 17.7 39.8 59.8#

77 19.0 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 0.352 ppbv

RT: 17.00

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 19:30

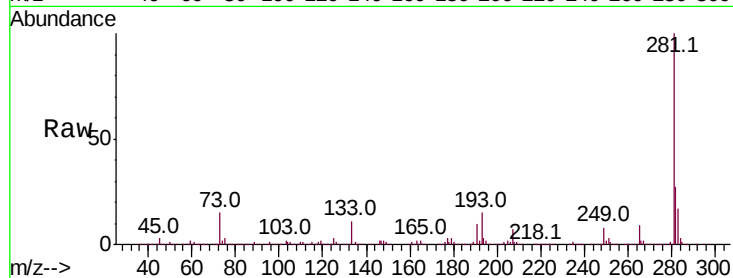
Tot Ion:146 Resp: 57949

Ion Ratio Lower Upper

146 100

111 102.1 23.5 70.6#

148 84.4 32.1 96.3



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

