

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\  
 Data File : VL037118.D  
 Acq On : 3 Jun 2021 2:12  
 Operator : SY/AP  
 Sample : M2548-16  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jun 03 03:24:32 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

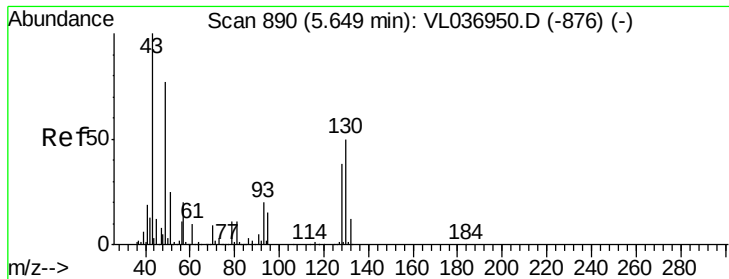
| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1407164  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 4230704  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3804484  | 10.00 | ppbv  | 0.01     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2825318  | 9.89     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.90% |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 3.04  | 85   | 71209    | 0.298   | ppbv   | 90     |
| 3) Chlorodifluoromethane   | 2.98  | 51   | 394069   | 1.529   | ppbv # | 68     |
| 4) Chloromethane           | 3.13  | 50   | 21991    | 0.251   | ppbv   | 91     |
| 9) Propene                 | 3.01  | 41   | 11900    | 0.129   | ppbv # | 28     |
| 11) Trichlorofluoromethane | 3.94  | 101  | 53366    | 0.242   | ppbv   | 96     |
| 13) Ethanol                | 3.60  | 45   | 2160352  | 175.401 | ppbv   | 92     |
| 15) Acetone                | 3.84  | 43   | 2667497  | 18.507  | ppbv   | 96     |
| 16) 1,3-Butadiene          | 3.30  | 39   | 20639    | 0.230   | ppbv # | 19     |
| 17) tert-Butyl alcohol     | 4.30  | 59   | 85114    | 0.645   | ppbv # | 92     |
| 19) Isopropyl Alcohol      | 3.97  | 45   | 244952   | 3.162   | ppbv # | 46     |
| 20) Methylene Chloride     | 4.34  | 84   | 4078989  | 52.795  | ppbv   | 94     |
| 23) Vinyl Acetate          | 5.06  | 43   | 87773    | 0.384   | ppbv # | 86     |
| 25) Ethyl Acetate          | 5.68  | 43   | 2865861  | 8.275   | ppbv # | 77     |
| 26) Hexane                 | 5.68  | 57   | 4139219  | 23.394  | ppbv # | 47     |
| 27) Carbon Disulfide       | 4.54  | 76   | 5623     | 0.032   | ppbv # | 63     |
| 29) Chloroform             | 5.74  | 83   | 178313   | 0.713   | ppbv   | 95     |
| 30) Cyclohexane            | 7.12  | 84   | 10844    | 0.072   | ppbv # | 1      |
| 31) cis-1,2-Dichloroethene | 5.54  | 61   | 25060    | 0.158   | ppbv   | 96     |
| 34) 2-Butanone             | 5.24  | 43   | 243543   | 1.581   | ppbv   | 96     |
| 35) Carbon Tetrachloride   | 7.00  | 117  | 15266    | 0.054   | ppbv   | 83     |
| 36) Benzene                | 6.88  | 78   | 26484    | 0.073   | ppbv   | 97     |
| 38) Trichloroethene        | 7.83  | 130  | 12727867 | 81.646  | ppbv   | 95     |
| 39) 1,2-Dichloropropane    | 7.82  | 63   | 26842    | 0.191   | ppbv # | 1      |
| 41) Tetrahydrofuran        | 6.00  | 42   | 196273   | 2.237   | ppbv # | 47     |
| 42) Bromodichloromethane   | 7.83  | 83   | 197446   | 0.722   | ppbv # | 98     |
| 44) 2,2,4-Trimethylpentane | 7.86  | 57   | 38374    | 0.061   | ppbv # | 20     |
| 50) 4-Methyl-2-Pentanone   | 8.74  | 43   | 45073    | 0.177   | ppbv   | 91     |
| 51) 2-Hexanone             | 10.12 | 43   | 13648    | 0.102   | ppbv # | 59     |
| 52) Tetrachloroethene      | 11.21 | 164  | 156327   | 1.079   | ppbv   | 90     |
| 53) Toluene                | 9.80  | 91   | 206851   | 0.477   | ppbv   | 97     |
| 58) Ethyl Benzene          | 12.96 | 91   | 20110    | 0.037   | ppbv   | 89     |
| 59) m/p-Xylene             | 12.98 | 91   | 34467    | 0.078   | ppbv # | 30     |
| 60) o-Xylene               | 13.69 | 91   | 21074    | 0.050   | ppbv # | 1      |
| 74) 1,2,4-Trimethylbenzene | 16.75 | 105  | 106306   | 0.218   | ppbv # | 68     |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

ClientSampleId :

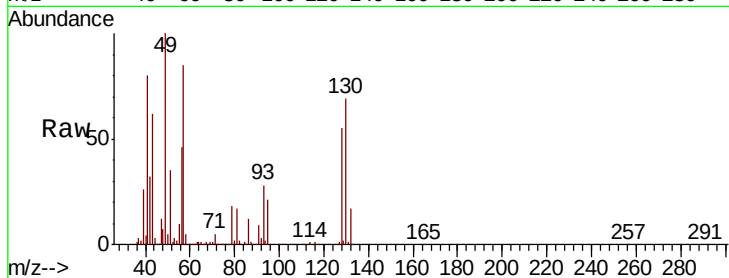
Tot Ion: 49 Resp: 1407164

Ion Ratio Lower Upper

49 100

128 56.5 26.9 80.7

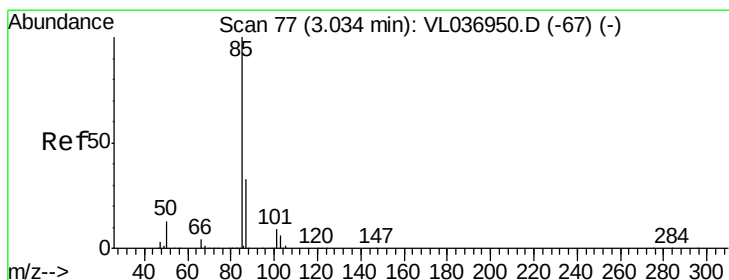
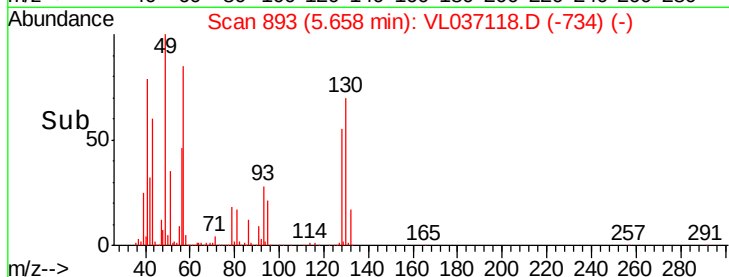
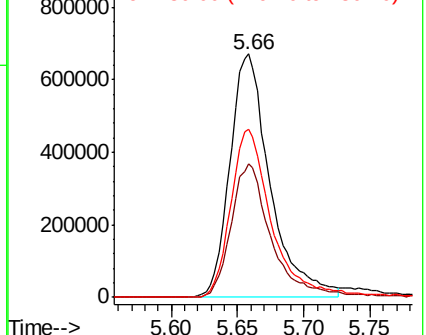
130 71.3 33.8 101.4



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: 0.298 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL037118.D

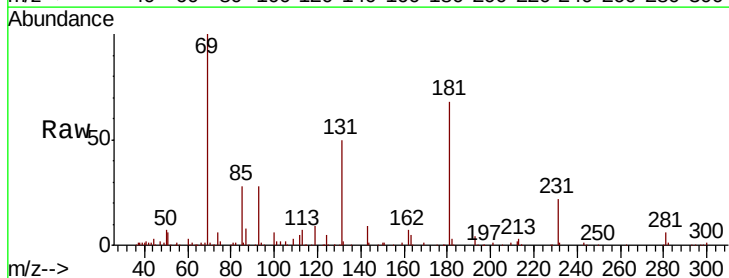
Acq: 3 Jun 2021 2:12

Tgt Ion: 85 Resp: 71209

Ion Ratio Lower Upper

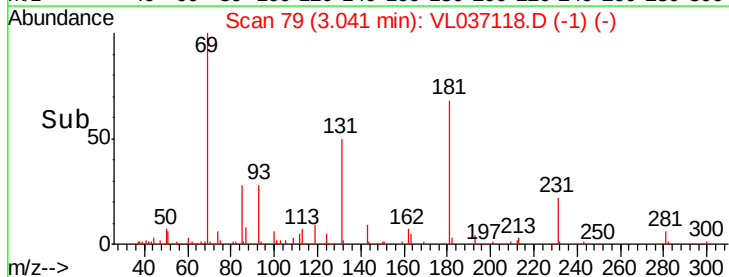
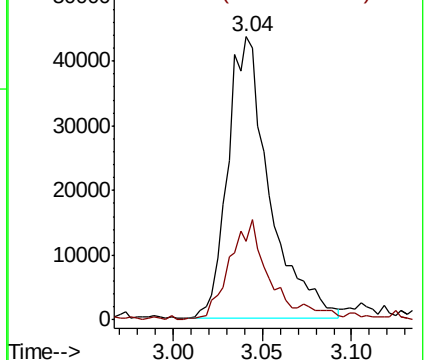
85 100

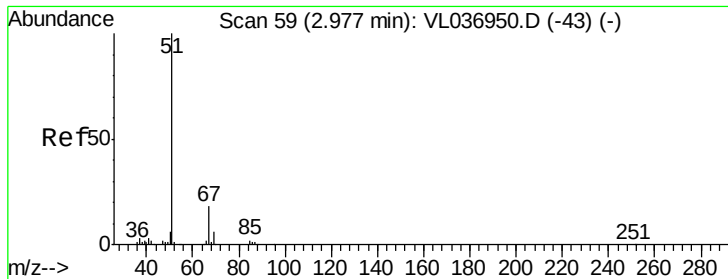
87 27.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.529 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

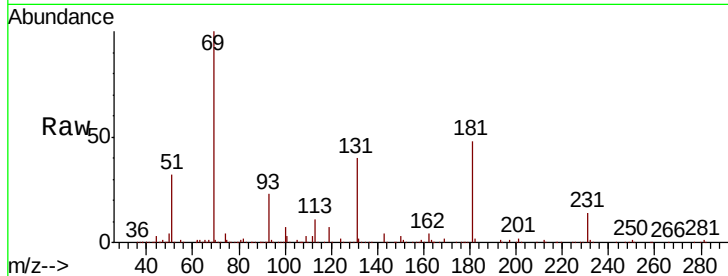
Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 51 Resp: 394069

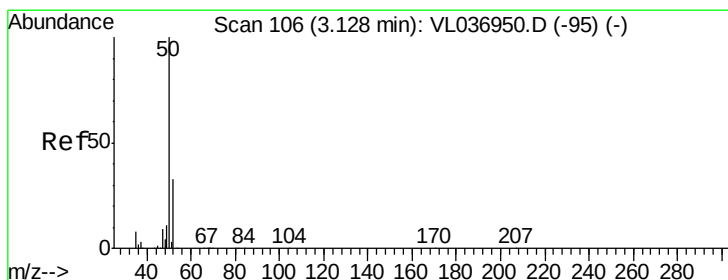
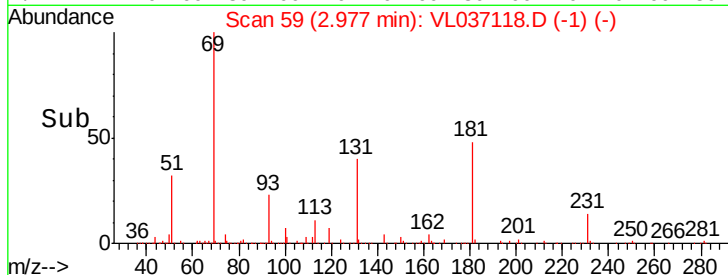
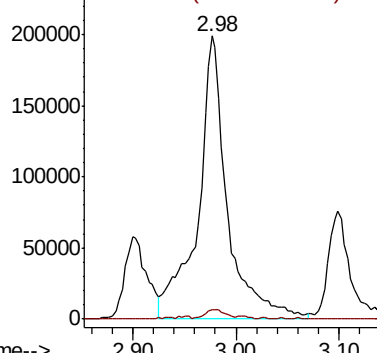
Ion Ratio Lower Upper

51 100

67 3.9 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0  
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.251 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037118.D

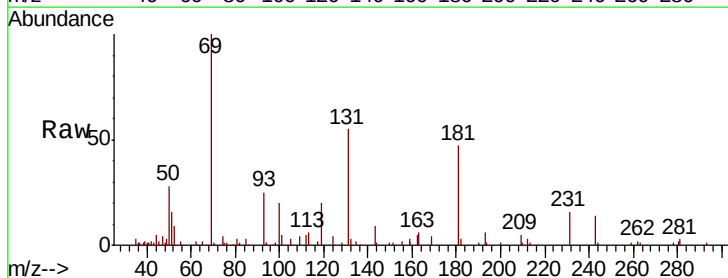
Acq: 3 Jun 2021 2:12

Tgt Ion: 50 Resp: 21991

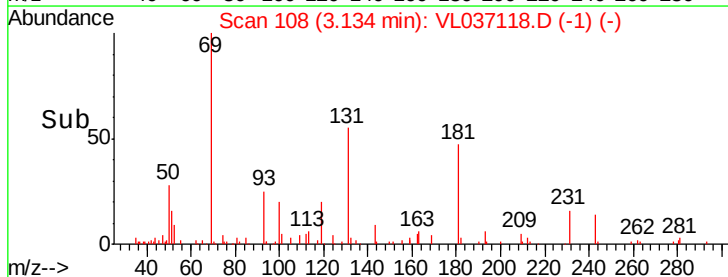
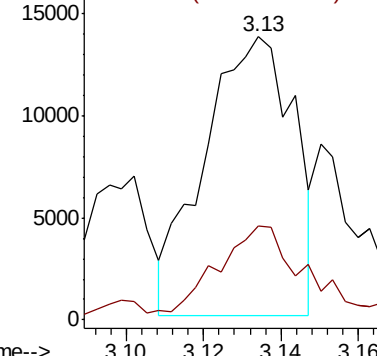
Ion Ratio Lower Upper

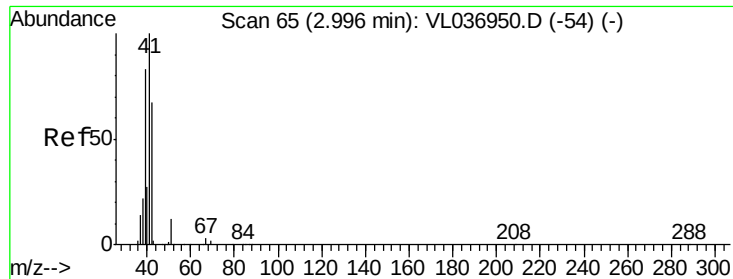
50 100

52 37.4 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0  
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.129 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

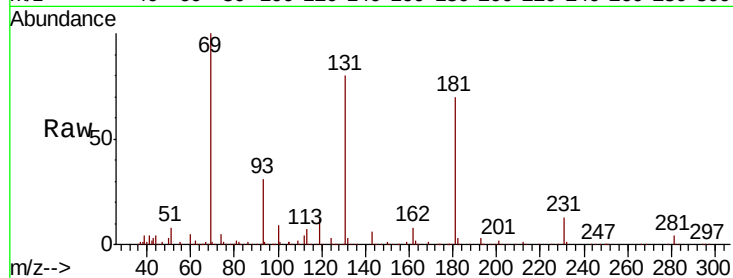
Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 41 Resp: 11900

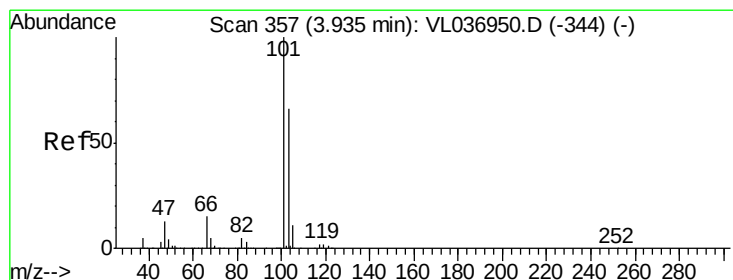
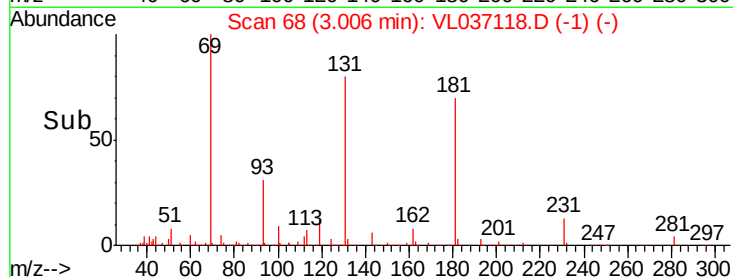
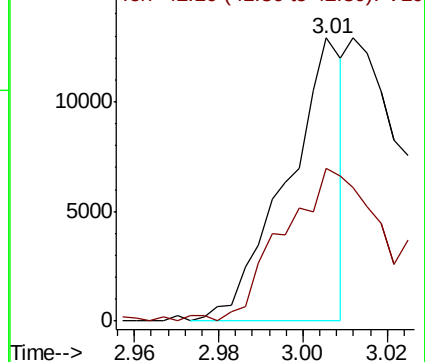
Ion Ratio Lower Upper

41 100

42 125.1 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.242 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL037118.D

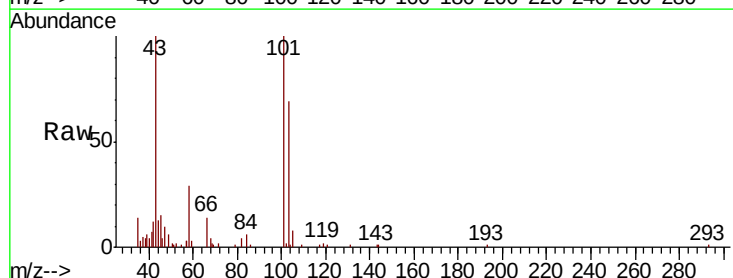
Acq: 3 Jun 2021 2:12

Tgt Ion: 101 Resp: 53366

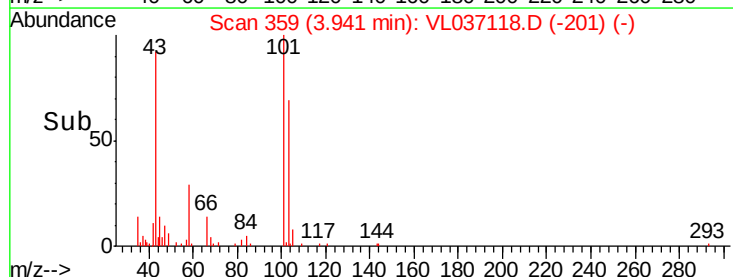
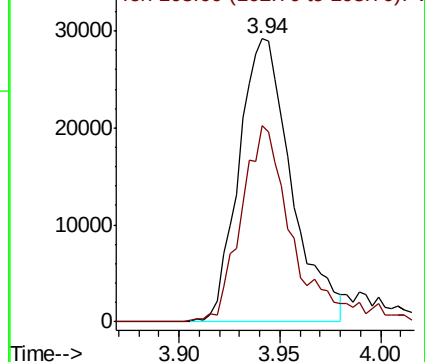
Ion Ratio Lower Upper

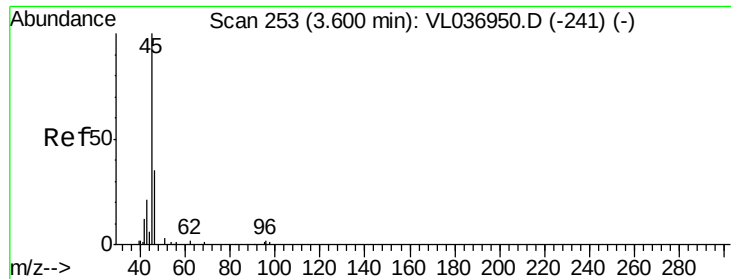
101 100

103 68.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 103.00 (102.70 to 103.70): V

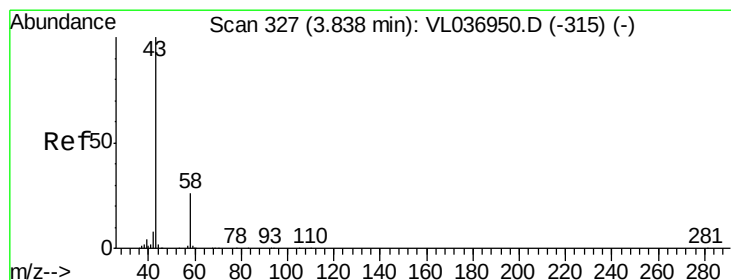
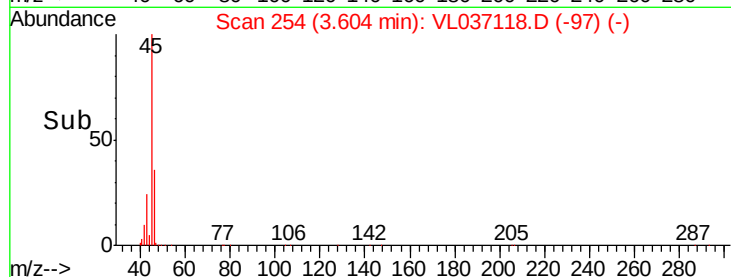
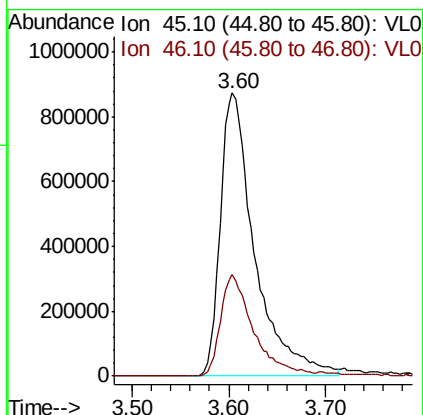
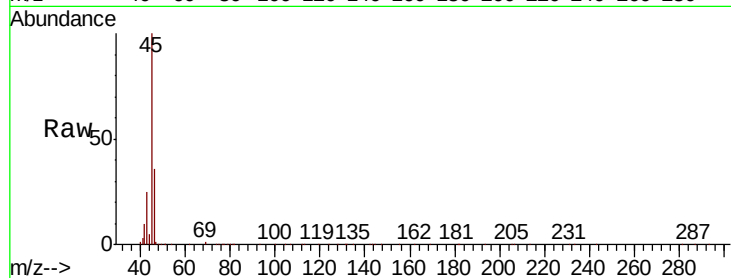




#13  
Ethanol  
Concen: 175.401 ppbv  
RT: 3.60 min Scan# 254  
Delta R.T. 0.00 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

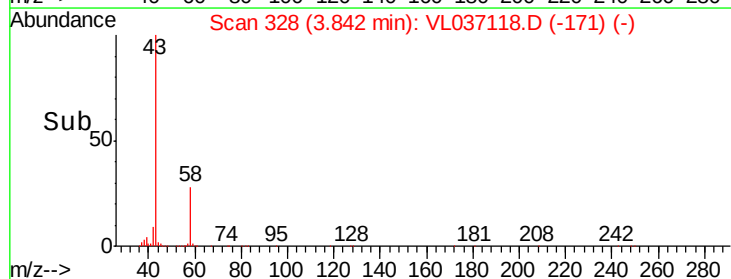
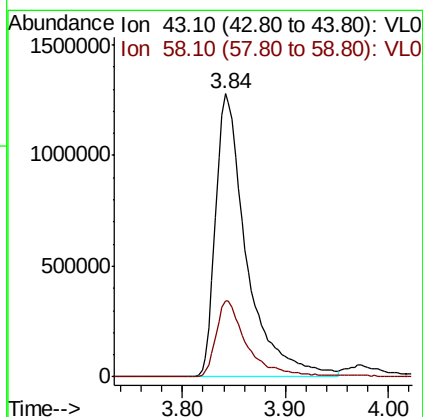
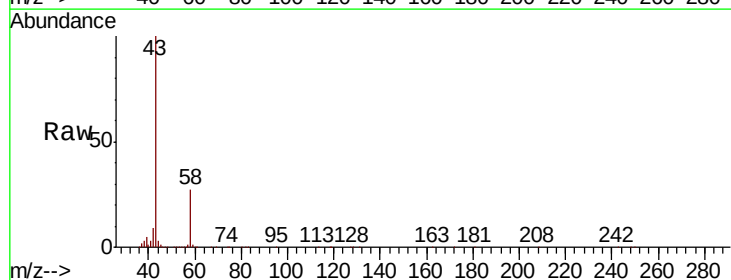
Instrument :  
MSVOA\_L  
ClientSampleId :

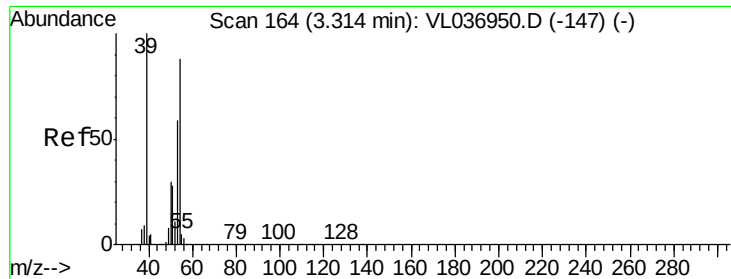
Tot Ion: 45 Resp: 2160352  
Ion Ratio Lower Upper  
45 100  
46 36.0 16.3 65.3



#15  
Acetone  
Concen: 18.507 ppbv  
RT: 3.84 min Scan# 328  
Delta R.T. 0.00 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

Tgt Ion: 43 Resp: 2667497  
Ion Ratio Lower Upper  
43 100  
58 28.0 24.0 36.0





#16

1,3-Butadiene

Concen: 0.230 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.02 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

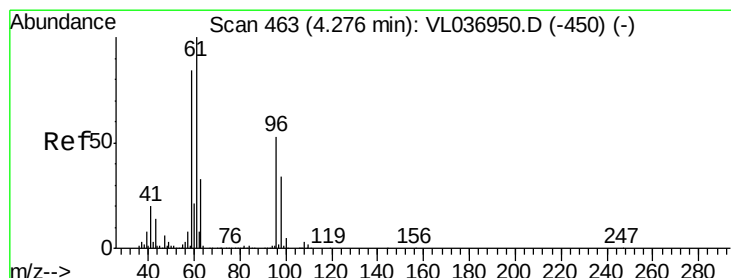
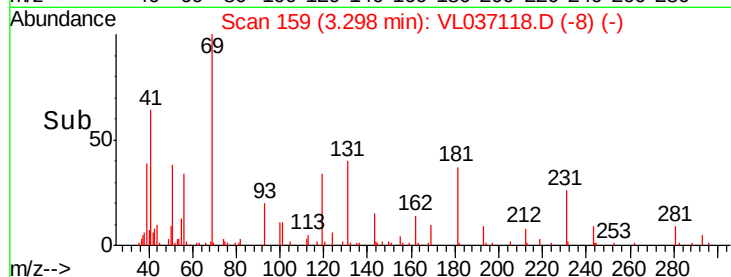
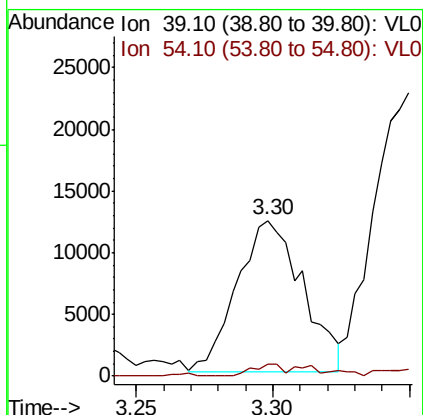
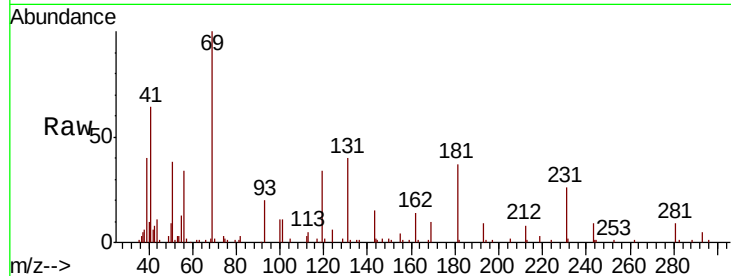
Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 39 Resp: 20639

Ion Ratio Lower Upper

39 100

54 7.6 63.2 94.8#



#17

tert-Butyl alcohol

Concen: 0.645 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.03 min

Lab File: VL037118.D

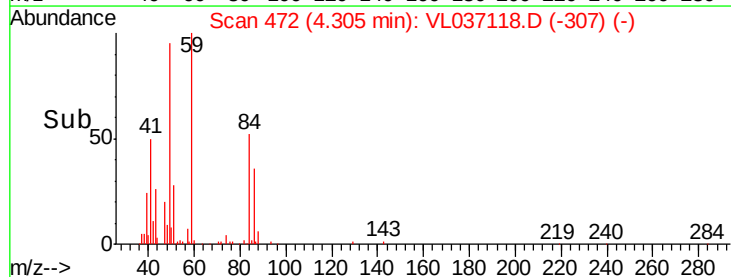
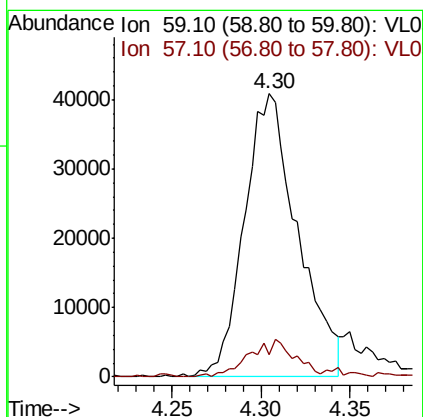
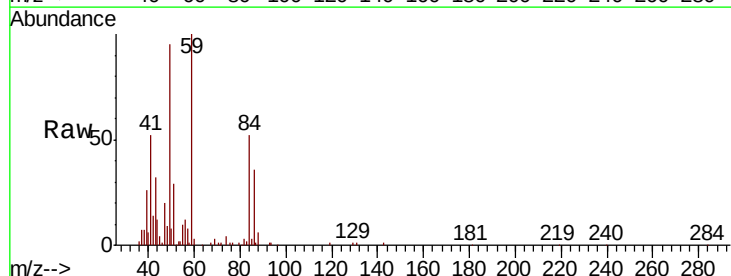
Acq: 3 Jun 2021 2:12

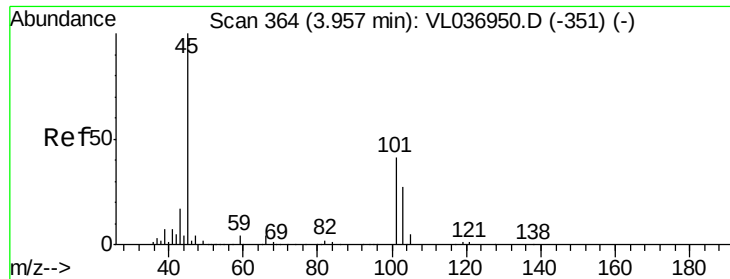
Tgt Ion: 59 Resp: 85114

Ion Ratio Lower Upper

59 100

57 13.3 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 3.162 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

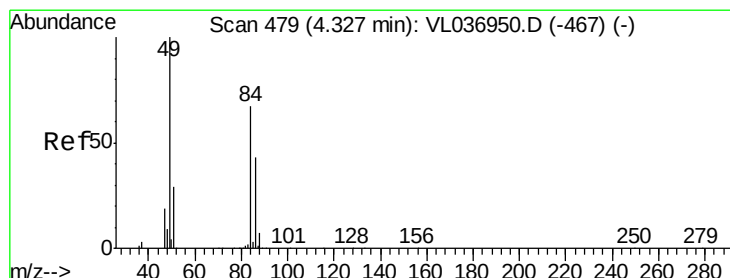
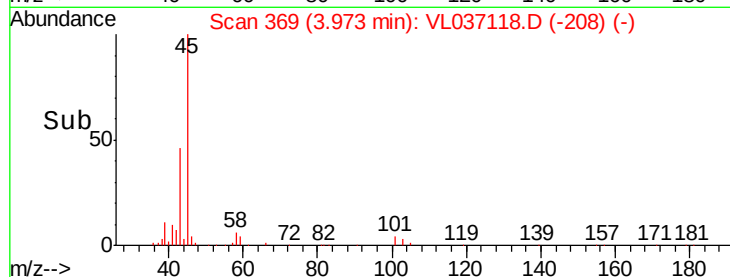
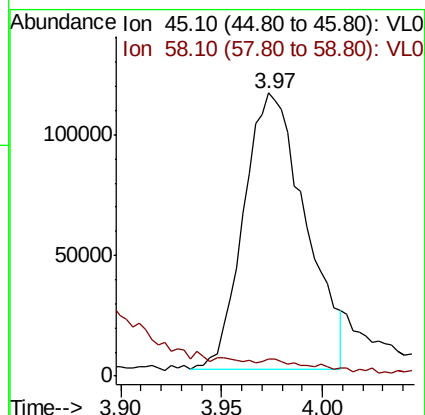
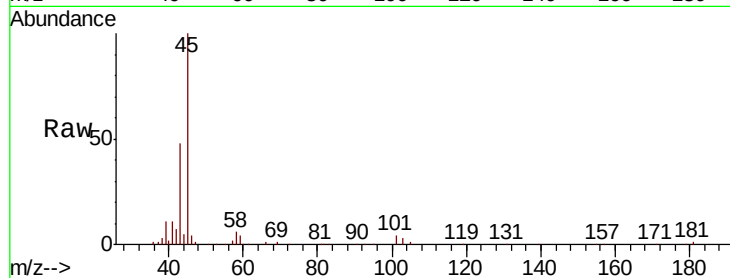
ClientSampleId :

Tot Ion: 45 Resp: 244952

Ion Ratio Lower Upper

45 100

58 10.7 37.2 55.8#



#20

Methylene Chloride

Concen: 52.795 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Tgt Ion: 84 Resp: 4078989

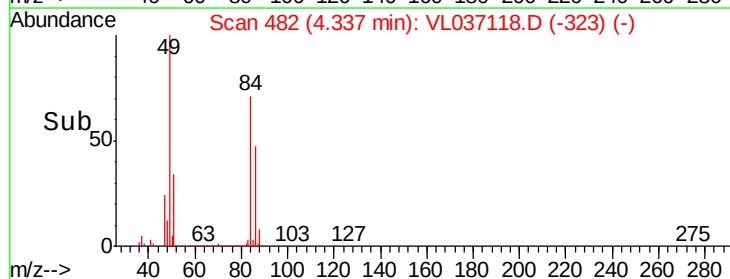
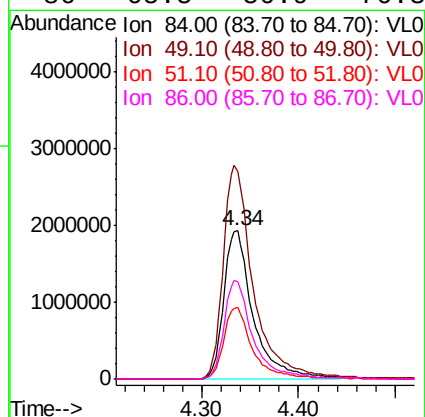
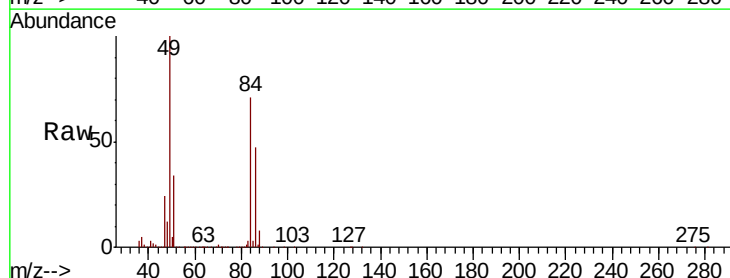
Ion Ratio Lower Upper

84 100

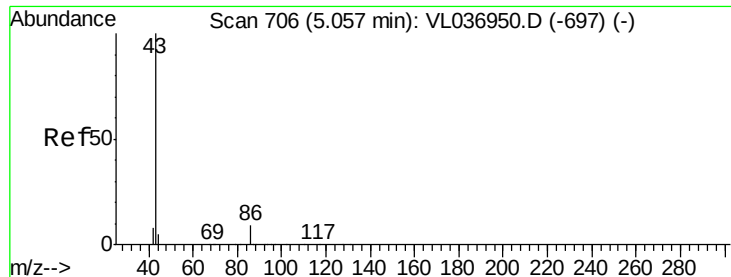
49 140.0 119.8 179.6

51 48.2 35.1 52.7

86 65.5 50.9 76.3







#23

Vinyl Acetate

Concen: 0.384 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

ClientSampled :

Tot Ion: 43 Resp: 87773

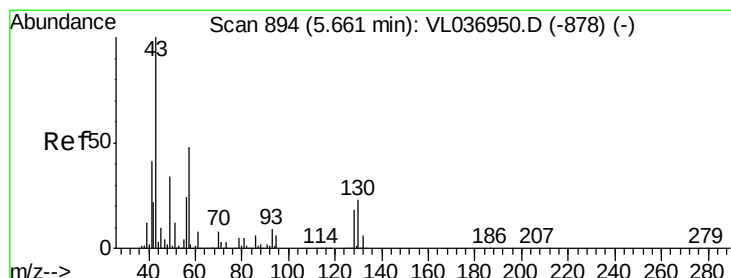
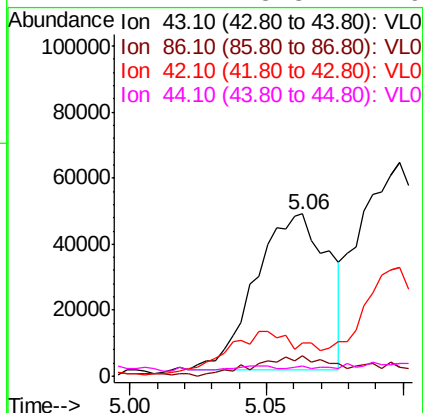
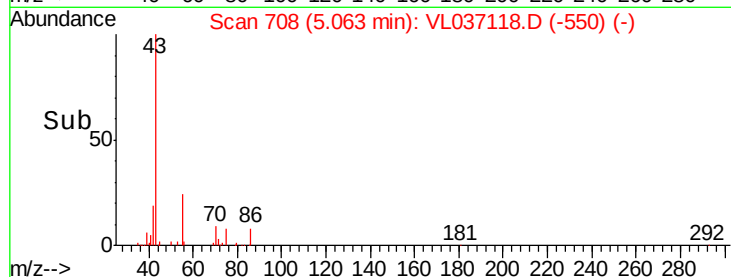
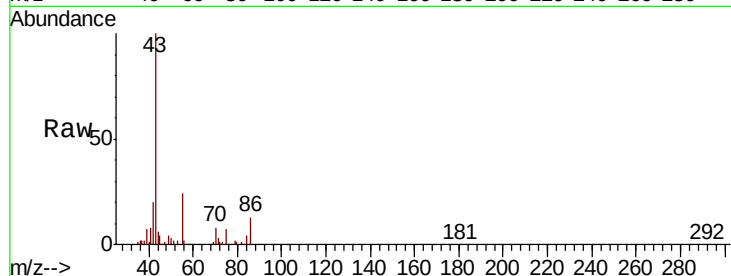
Ion Ratio Lower Upper

43 100

86 11.4 5.8 8.8#

42 16.6 7.4 11.2#

44 2.4 3.3 4.9#



#25

Ethyl Acetate

Concen: 8.275 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Tgt Ion: 43 Resp: 2865861

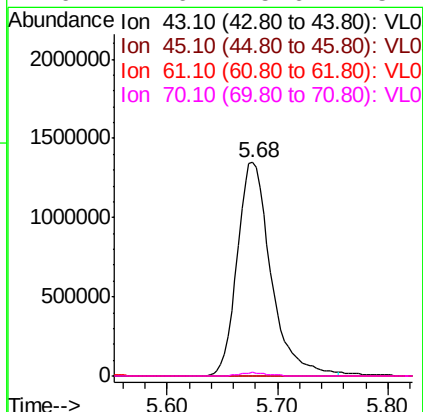
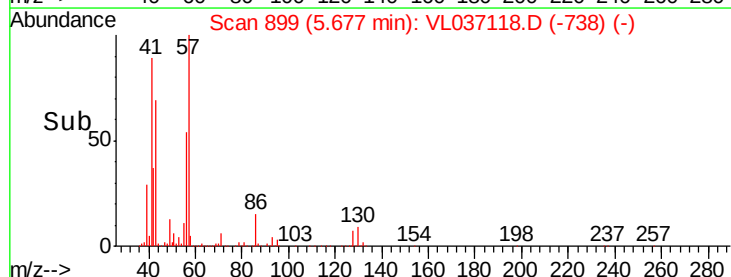
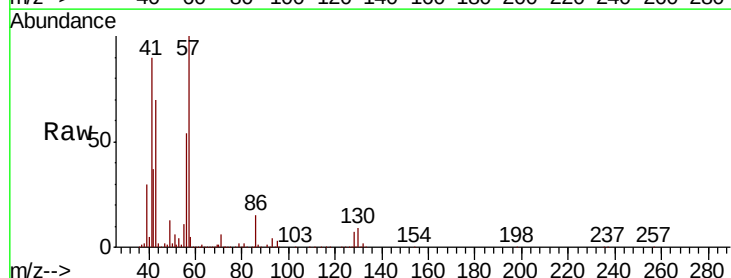
Ion Ratio Lower Upper

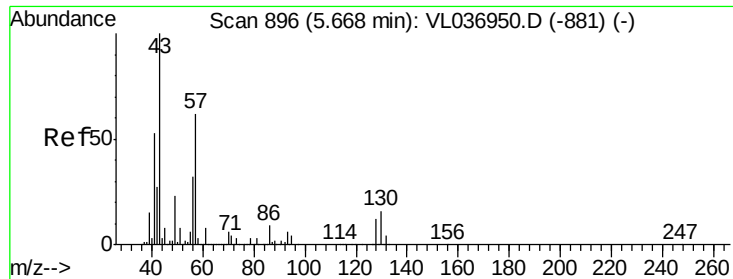
43 100

45 0.3 7.8 11.8#

61 0.2 7.8 11.8#

70 1.6 5.6 8.4#





#26

Hexane

Concen: 23.394 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

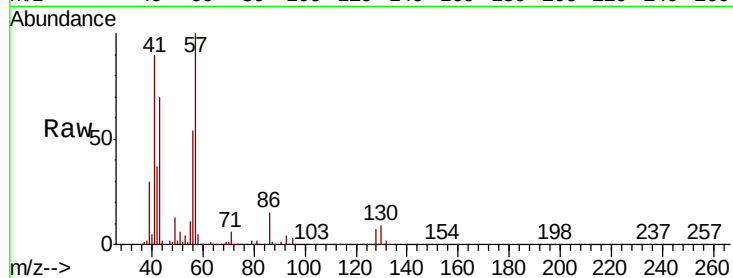
Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 57 Resp: 4139219

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 57  | 100   |       |        |
| 41  | 90.5  | 70.5  | 105.7  |
| 43  | 70.3  | 165.8 | 248.8# |
| 56  | 52.9  | 42.2  | 63.4   |



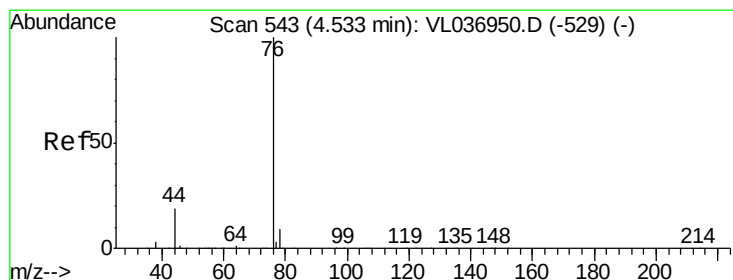
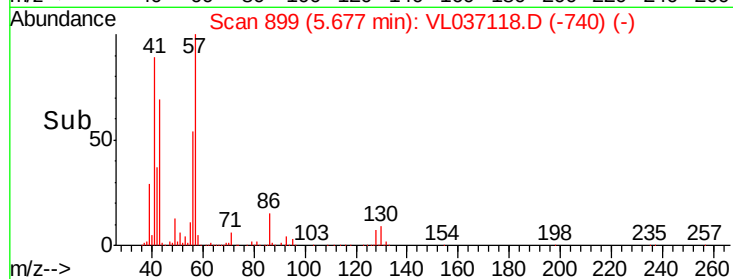
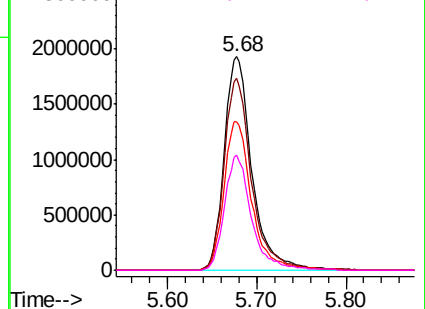
Abundance

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



#27

Carbon Disulfide

Concen: 0.032 ppbv

RT: 4.54 min Scan# 544

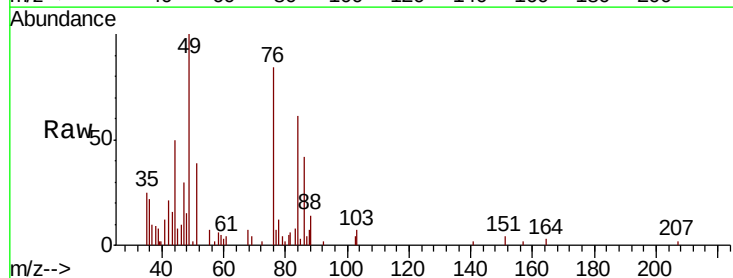
Delta R.T. 0.00 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Tgt Ion: 76 Resp: 5623

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 0.0   | 15.5  | 23.3# |
| 78  | 0.0   | 7.8   | 11.6# |

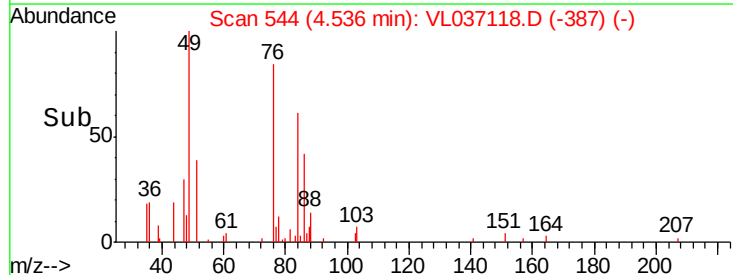
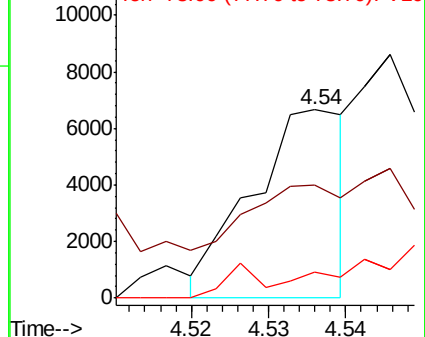


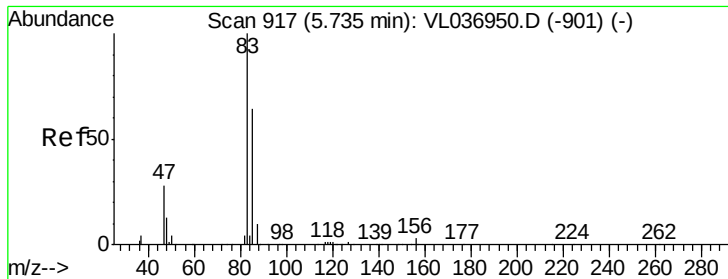
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

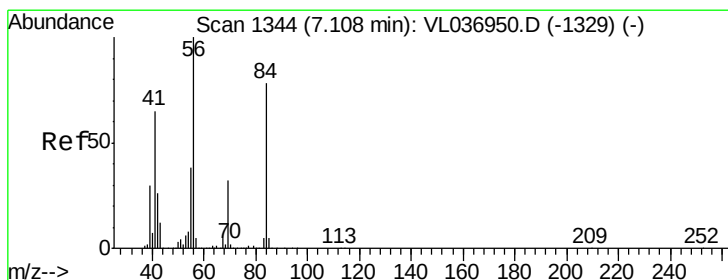
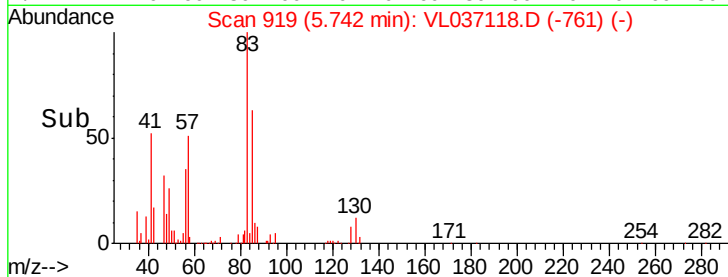
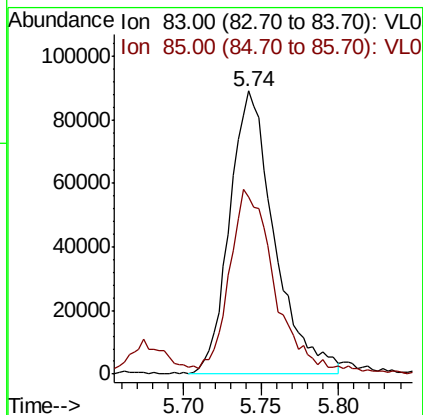
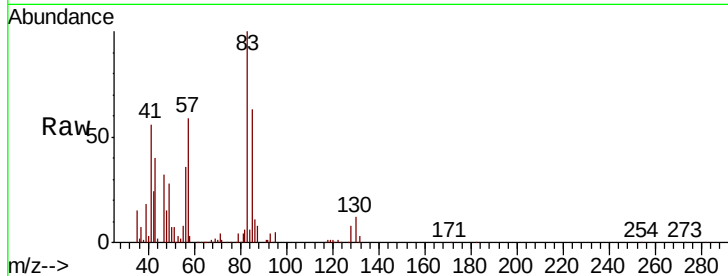




#29  
Chloroform  
Concen: 0.713 ppbv  
RT: 5.74 min Scan# 919  
Delta R.T. 0.01 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

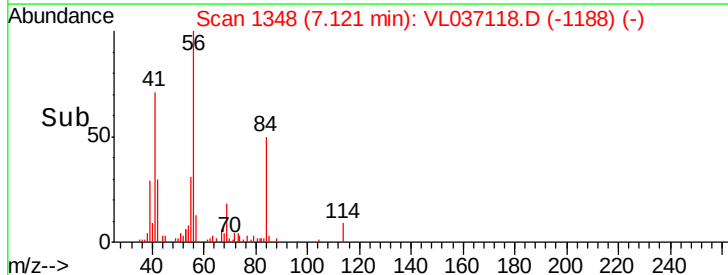
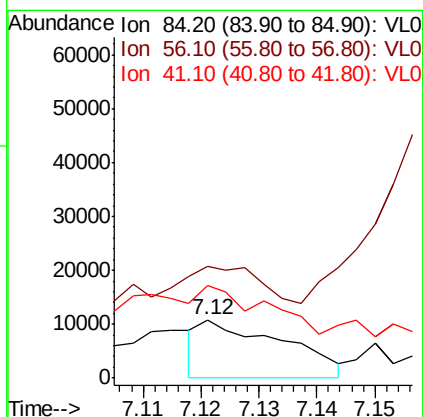
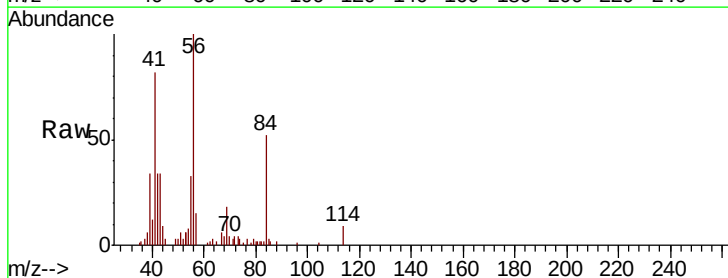
Instrument :  
MSVOA\_L  
ClientSampleId :

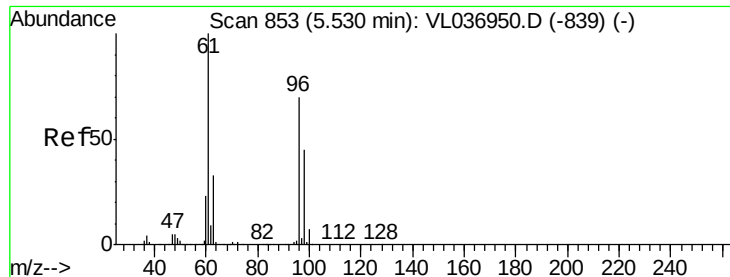
Tot Ion: 83 Resp: 178313  
Ion Ratio Lower Upper  
83 100  
85 60.3 51.1 76.7



#30  
Cyclohexane  
Concen: 0.072 ppbv  
RT: 7.12 min Scan# 1348  
Delta R.T. 0.01 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

Tgt Ion: 84 Resp: 10844  
Ion Ratio Lower Upper  
84 100  
56 0.0 107.9 161.9#  
41 0.0 65.5 98.3#

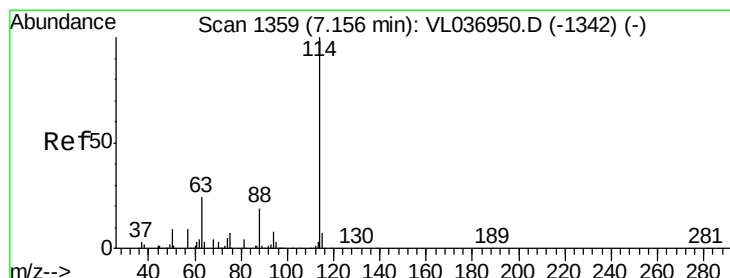
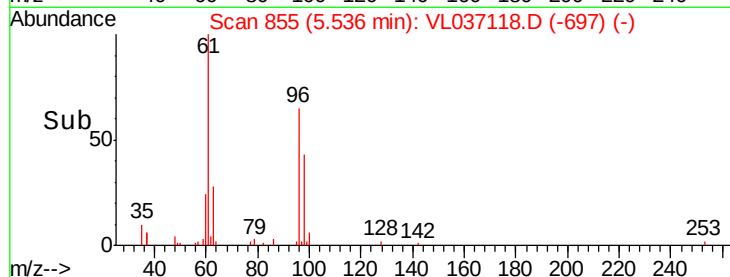
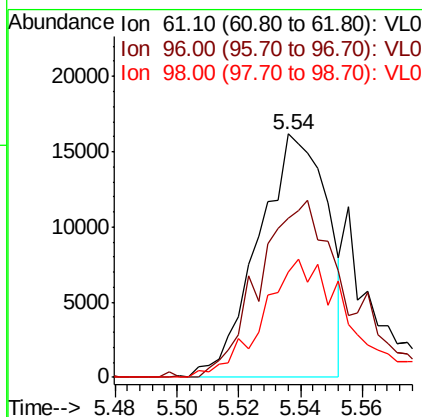
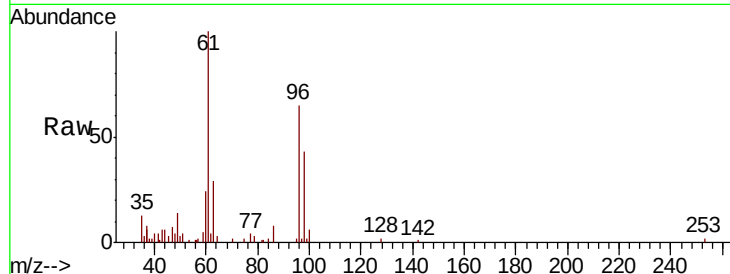




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.158 ppbv  
 RT: 5.54 min Scan# 855  
 Delta R.T. 0.01 min  
 Lab File: VL037118.D  
 Acq: 3 Jun 2021 2:12

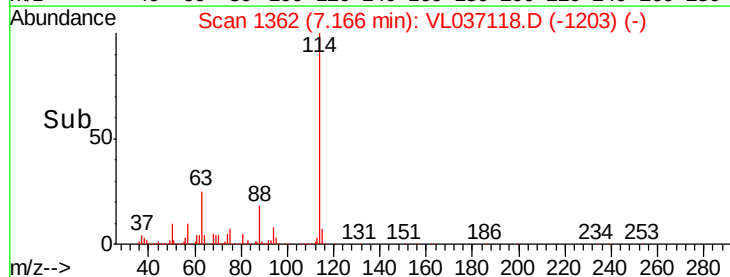
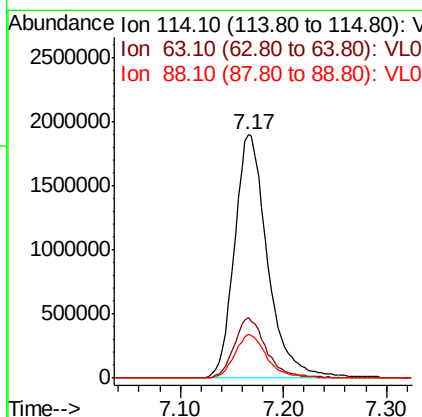
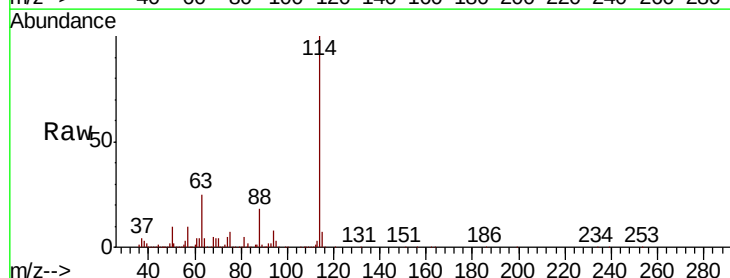
Instrument :  
 MSVOA\_L  
 ClientSampleId :

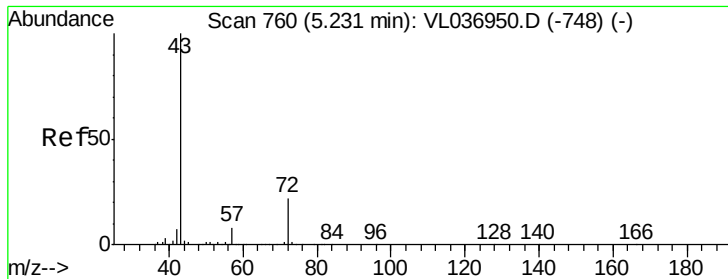
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 61      | 100   |       |       |
| 96      | 65.2  | 55.9  | 83.9  |
| 98      | 43.4  | 35.6  | 53.4  |



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min Scan# 1362  
 Delta R.T. 0.01 min  
 Lab File: VL037118.D  
 Acq: 3 Jun 2021 2:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.3  | 19.6  | 29.4  |
| 88      | 17.7  | 14.6  | 21.8  |





#34

2-Butanone

Concen: 1.581 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

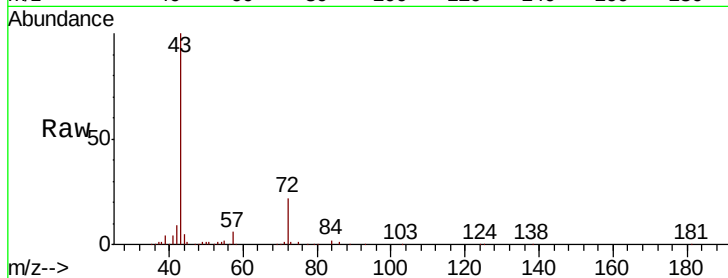
ClientSampleId :

Tot Ion: 43 Resp: 243543

Ion Ratio Lower Upper

43 100

72 25.9 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

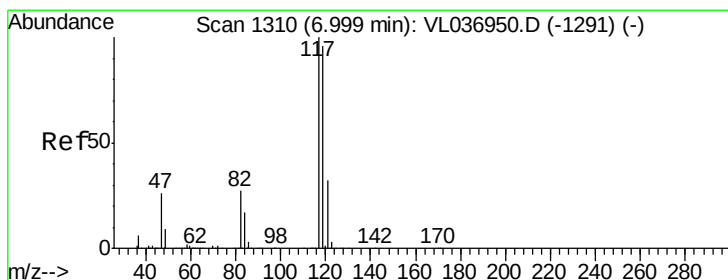
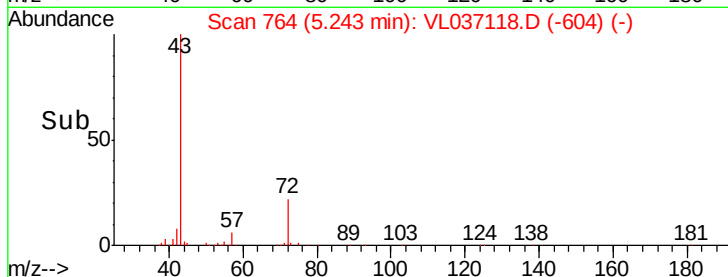
5.24

100000

50000

0

Time-->



#35

Carbon Tetrachloride

Concen: 0.054 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

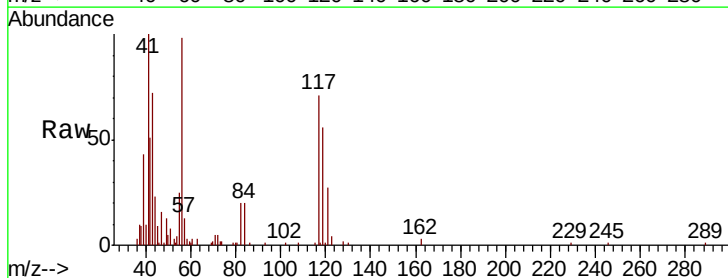
Tgt Ion: 117 Resp: 15266

Ion Ratio Lower Upper

117 100

119 76.6 76.6 114.8

121 37.6 25.8 38.6



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

20000

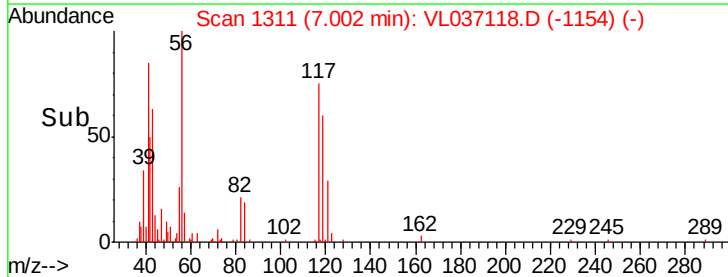
15000

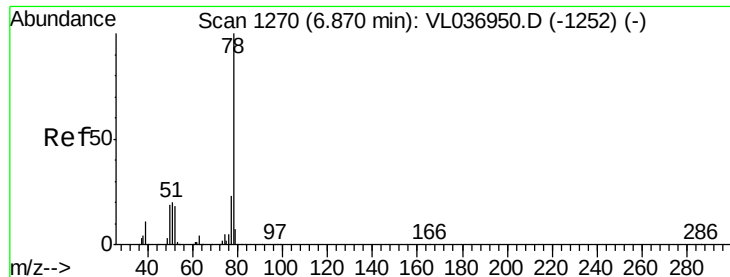
10000

5000

0

Time-->





#36

Benzene

Concen: 0.073 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :  
MSVOA\_L  
ClientSampleId :

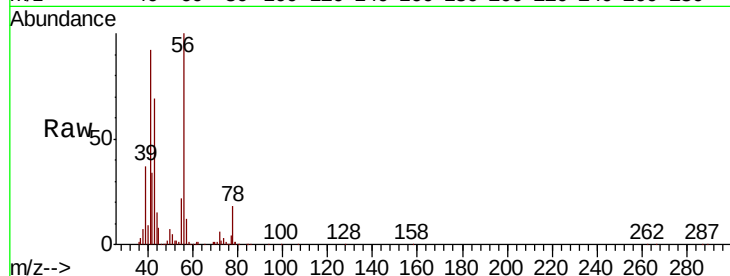
Tot Ion: 78 Resp: 26484

Ion Ratio Lower Upper

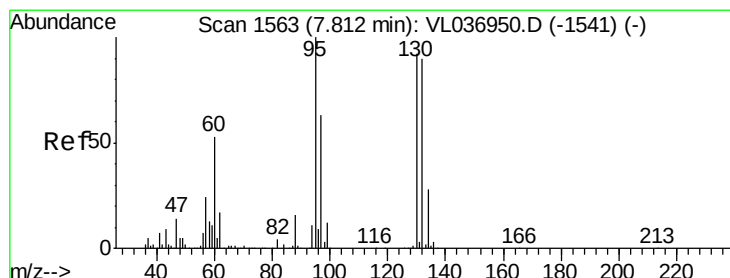
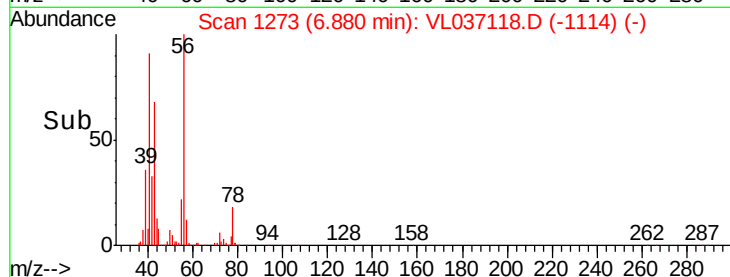
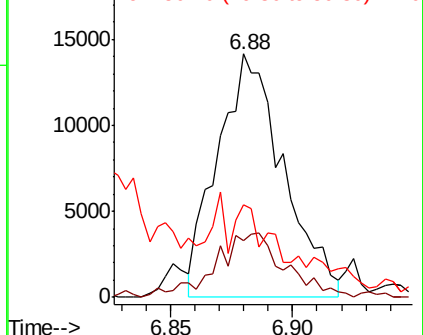
78 100

77 21.2 18.6 28.0

50 17.7 15.0 22.4



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



#38

Trichloroethene

Concen: 81.646 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Tgt Ion:130 Resp:12727867

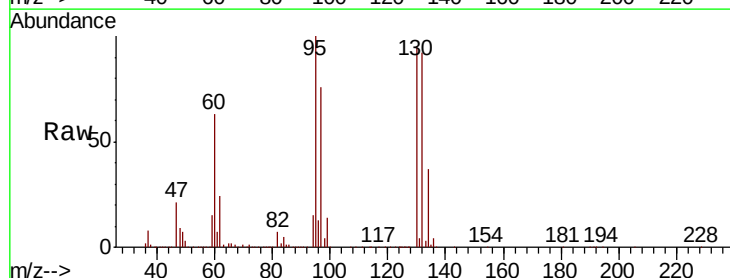
Ion Ratio Lower Upper

130 100

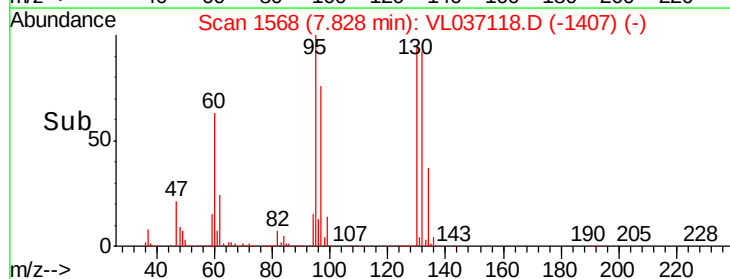
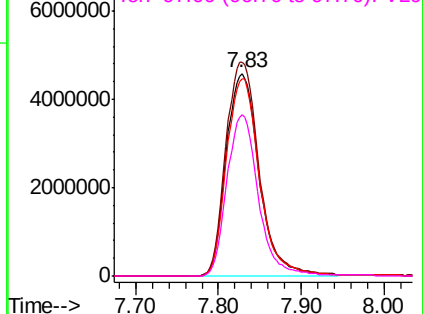
95 105.4 86.9 130.3

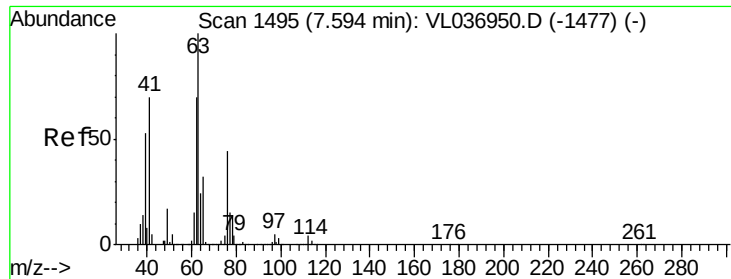
132 97.3 78.4 117.6

97 79.9 55.0 82.6



Abundance Ion 130.00 (129.70 to 130.70): V  
Ion 95.00 (94.70 to 95.70): VL0  
Ion 132.00 (131.70 to 132.70): V  
Ion 97.00 (96.70 to 97.70): VL0

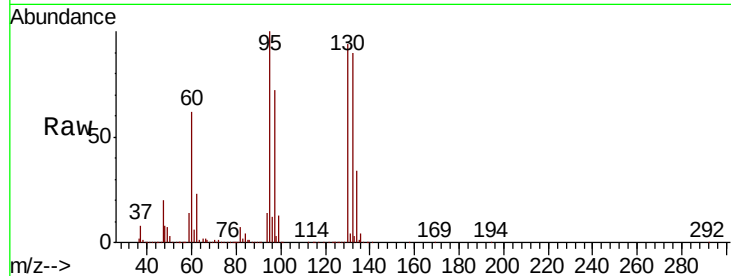




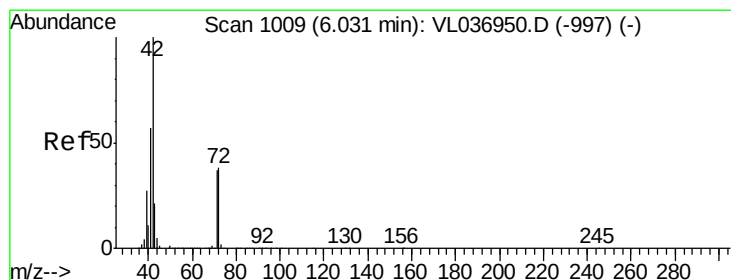
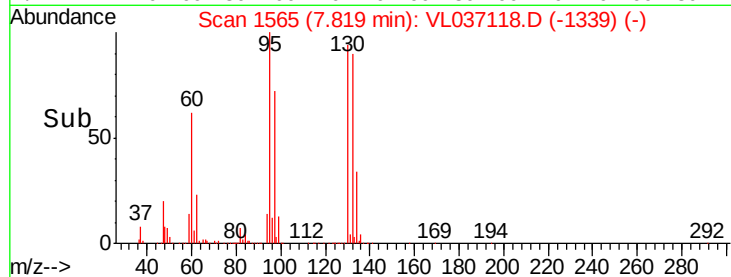
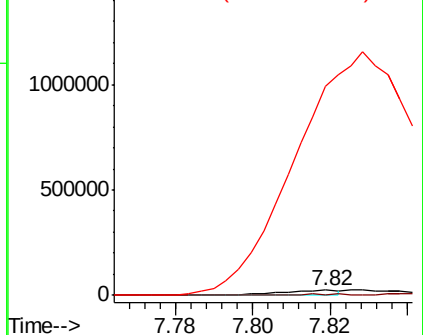
#39  
 1,2-Dichloropropane  
 Concen: 0.191 ppbv  
 RT: 7.82 min Scan# 1565  
 Delta R.T. 0.23 min  
 Lab File: VL037118.D  
 Acq: 3 Jun 2021 2:12

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tot Ion: 63 Resp: 26842  
 Ion Ratio Lower Upper  
 63 100  
 41 10.3 55.7 83.5#  
 62 4015.9 56.2 84.4#

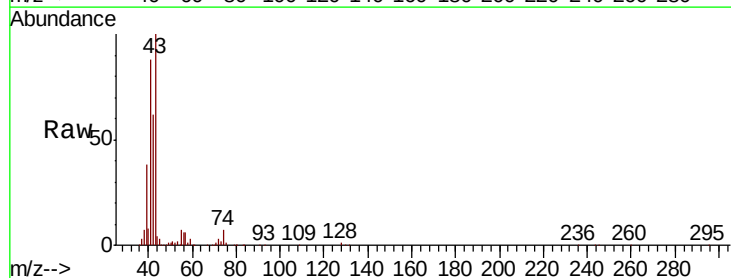


Abundance Ion 63.10 (62.80 to 63.80): VL0  
 Ion 41.10 (40.80 to 41.80): VL0  
 Ion 62.10 (61.80 to 62.80): VL0

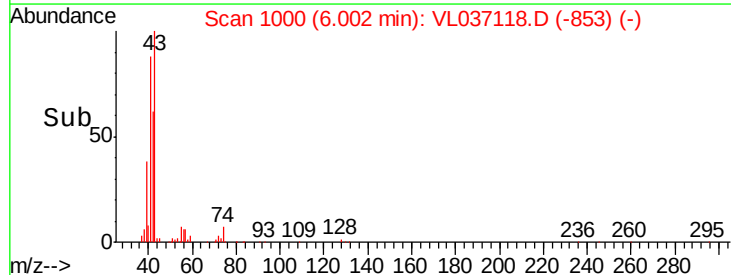
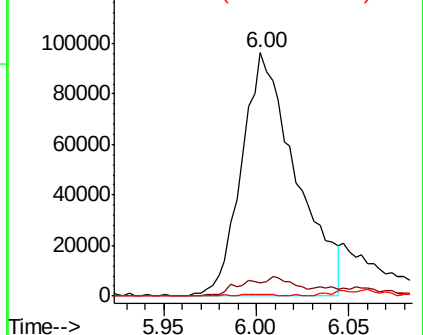


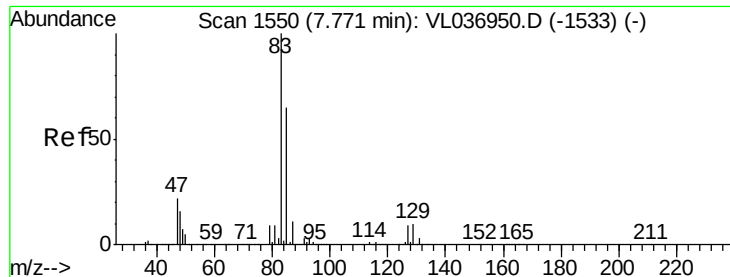
#41  
 Tetrahydrofuran  
 Concen: 2.237 ppbv  
 RT: 6.00 min Scan# 1000  
 Delta R.T. -0.03 min  
 Lab File: VL037118.D  
 Acq: 3 Jun 2021 2:12

Tgt Ion: 42 Resp: 196273  
 Ion Ratio Lower Upper  
 42 100  
 72 13.3 31.4 47.2#  
 71 0.0 30.4 45.6#



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





#42

Bromodichloromethane

Concen: 0.722 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.06 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

ClientSampleId :

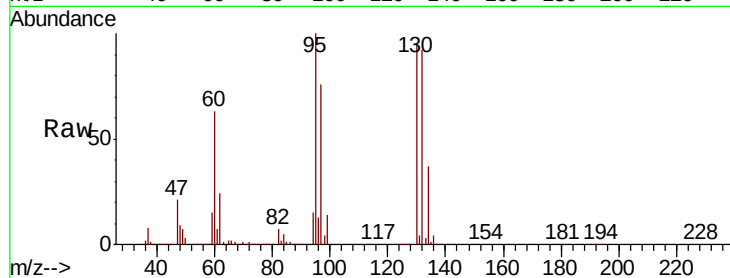
Tot Ion: 83 Resp: 197446

Ion Ratio Lower Upper

83 100

85 63.2 51.7 77.5

127 5.8 6.9 10.3#

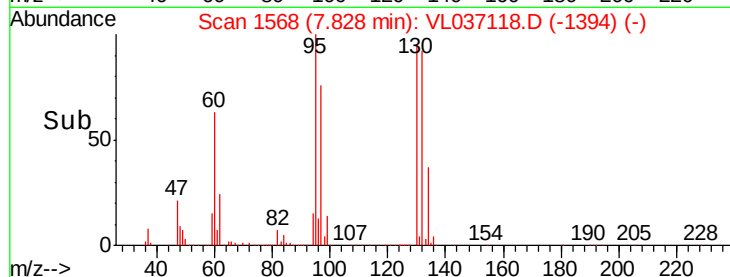


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

Time--> 7.75 7.80 7.85 7.90

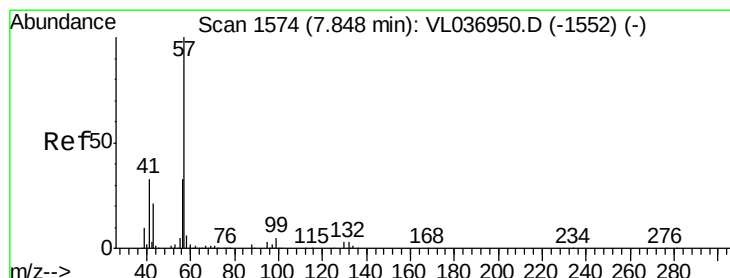


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time--> 7.80 7.85 7.90



#44

2,2,4-Trimethylpentane

Concen: 0.061 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

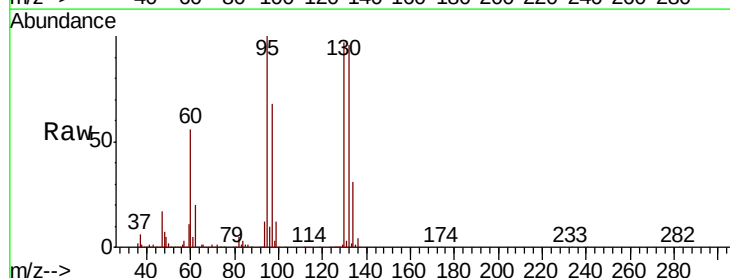
Tgt Ion: 57 Resp: 38374

Ion Ratio Lower Upper

57 100

41 95.5 27.0 40.4#

56 59.7 25.4 38.2#

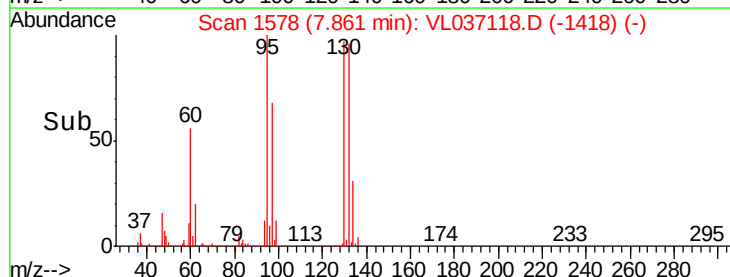


Abundance Ion 57.10 (56.80 to 57.80): VL0

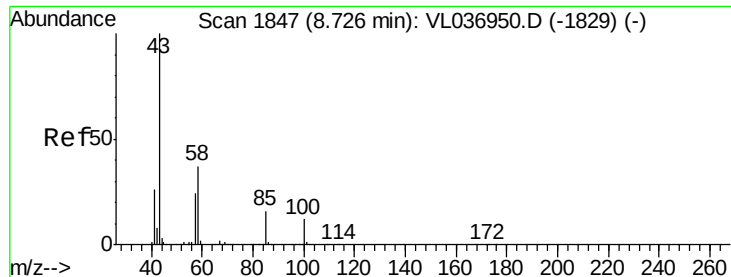
Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time--> 7.80 7.85 7.90



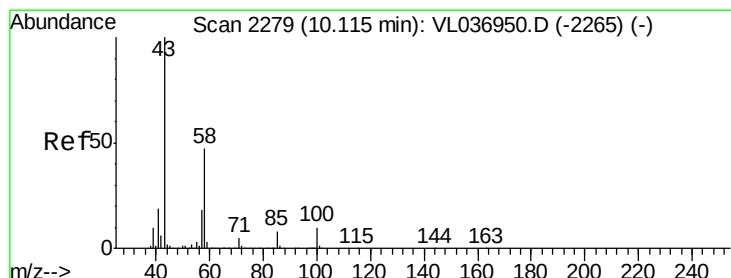
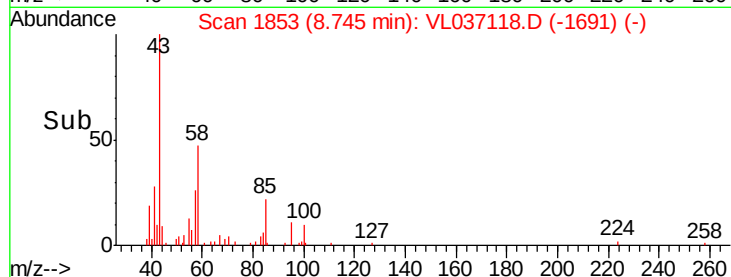
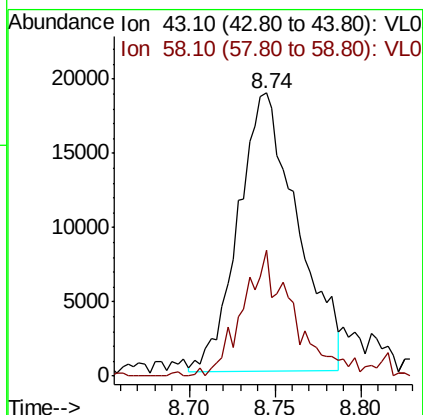
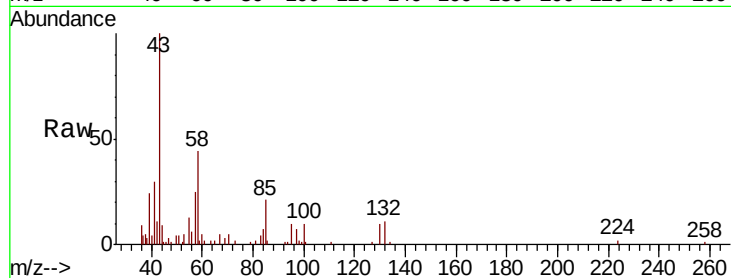




#50  
4-Methyl-2-Pentanone  
Concen: 0.177 ppbv  
RT: 8.74 min Scan# 1853  
Delta R.T. 0.02 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

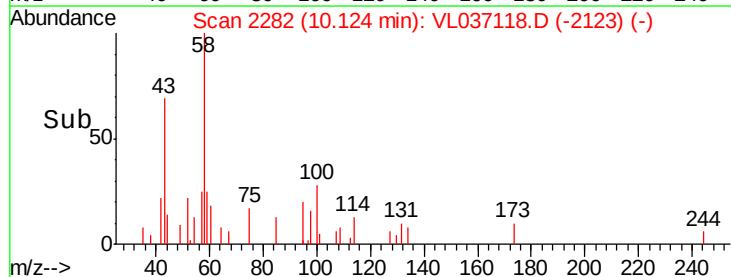
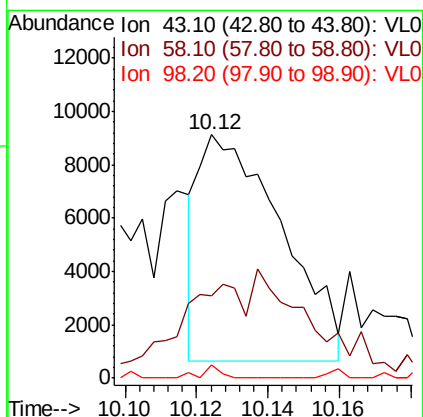
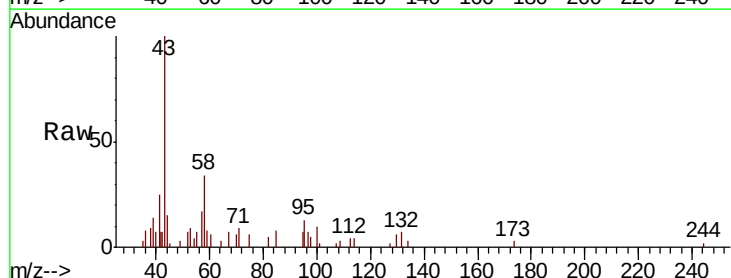
Instrument :  
MSVOA\_L  
ClientSampled :

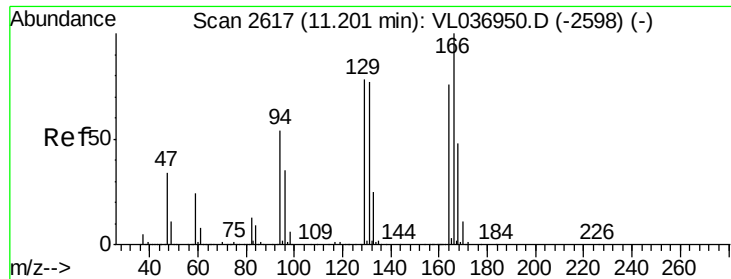
Tot Ion: 43 Resp: 45073  
Ion Ratio Lower Upper  
43 100  
58 42.2 29.4 44.2



#51  
2-Hexanone  
Concen: 0.102 ppbv  
RT: 10.12 min Scan# 2282  
Delta R.T. 0.01 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

Tgt Ion: 43 Resp: 13648  
Ion Ratio Lower Upper  
43 100  
58 79.9 41.1 61.7#  
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 1.079 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion:164 Resp: 156327

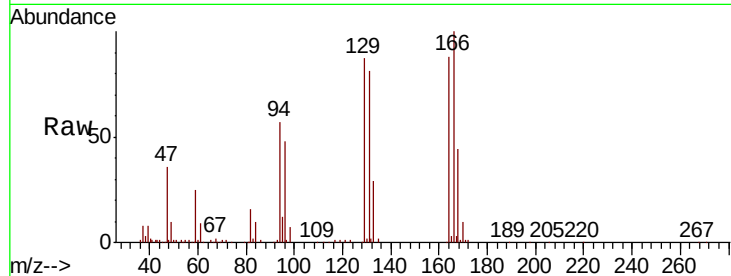
Ion Ratio Lower Upper

164 100

166 113.7 105.5 158.3

129 98.6 81.8 122.8

131 92.0 81.2 121.8

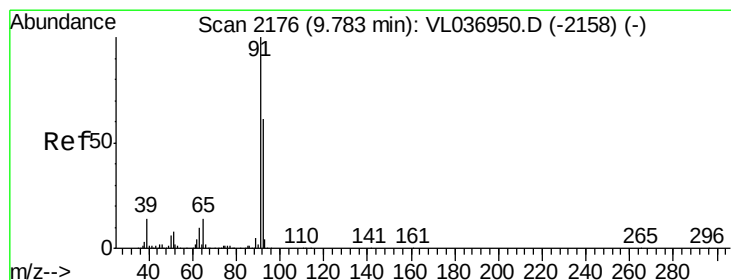
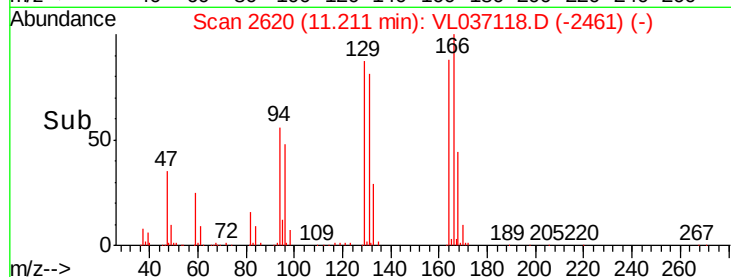
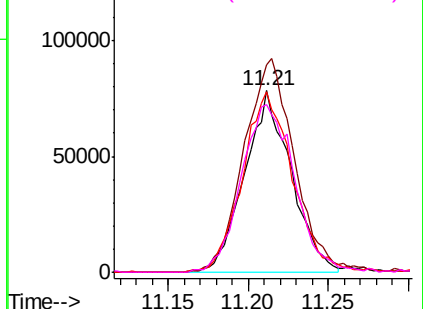


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.477 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL037118.D

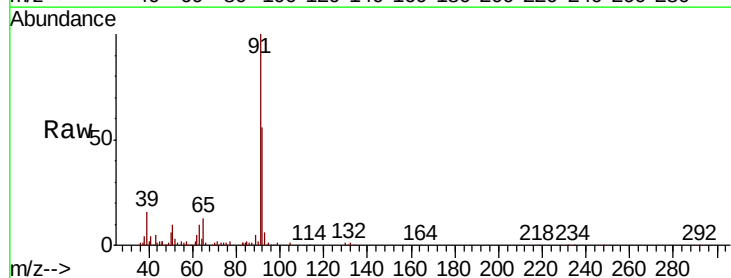
Acq: 3 Jun 2021 2:12

Tgt Ion: 91 Resp: 206851

Ion Ratio Lower Upper

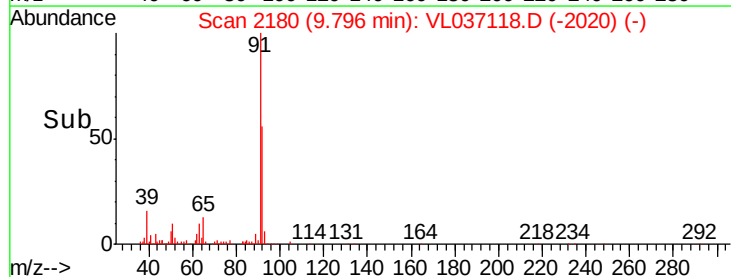
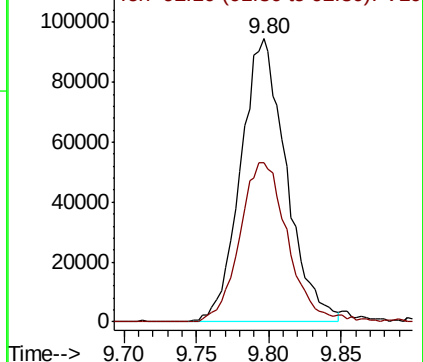
91 100

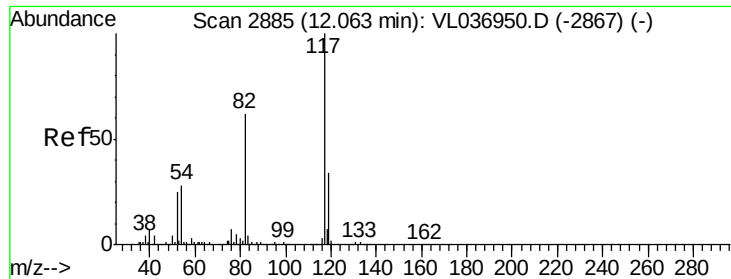
92 59.5 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

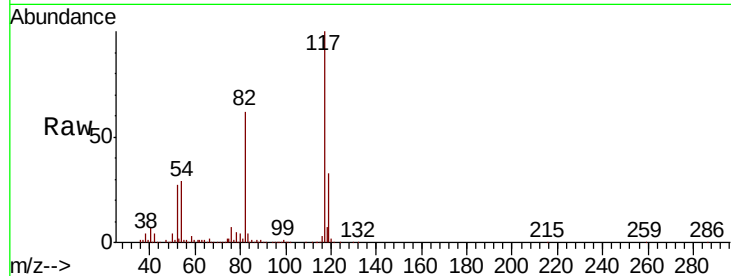




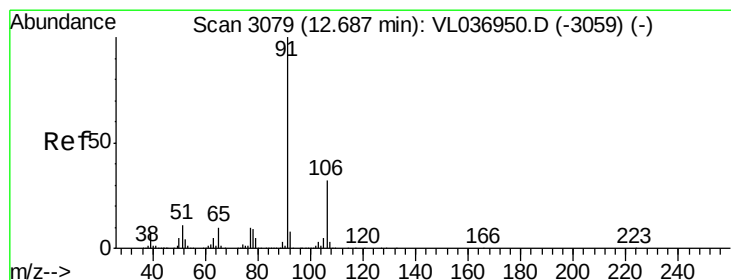
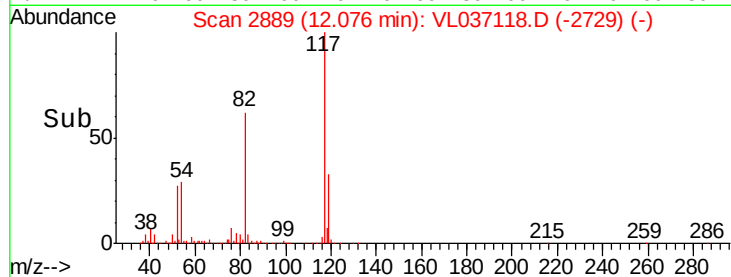
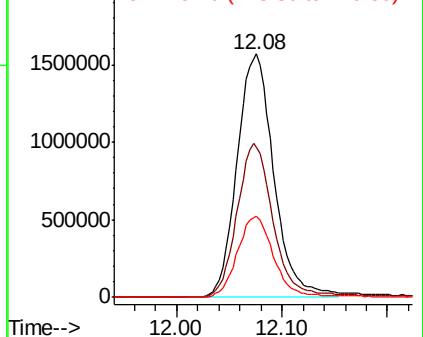
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2889  
Delta R.T. 0.01 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion:117 Resp: 3804484  
Ion Ratio Lower Upper  
117 100  
82 63.2 52.6 79.0  
119 33.6 46.6 70.0#

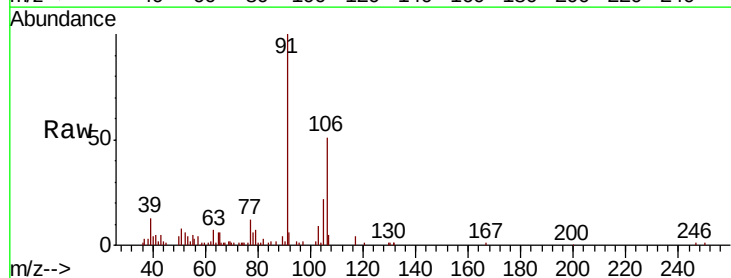


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

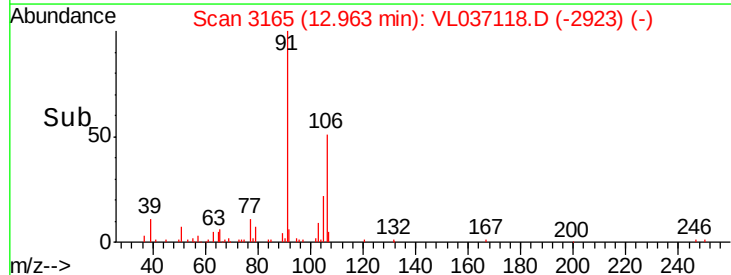
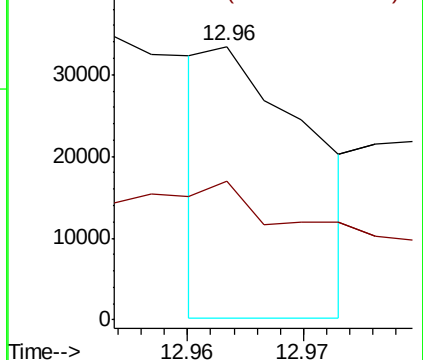


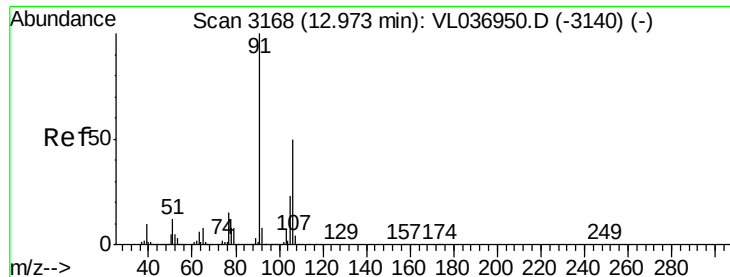
#58  
Ethyl Benzene  
Concen: 0.037 ppbv  
RT: 12.96 min Scan# 3165  
Delta R.T. 0.28 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

Tgt Ion: 91 Resp: 20110  
Ion Ratio Lower Upper  
91 100  
106 38.4 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 106.10 (105.80 to 106.80): V

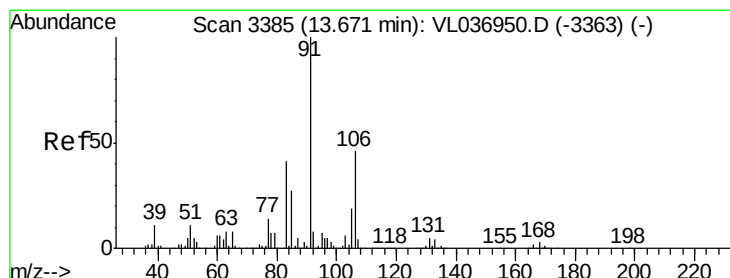
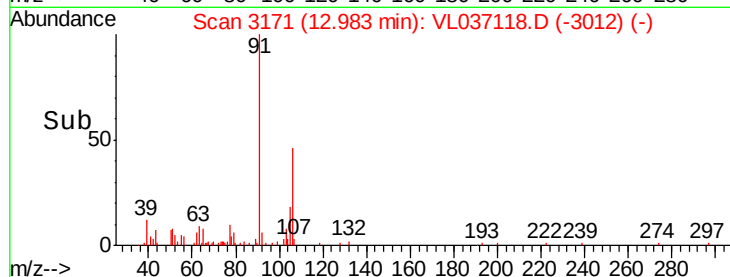
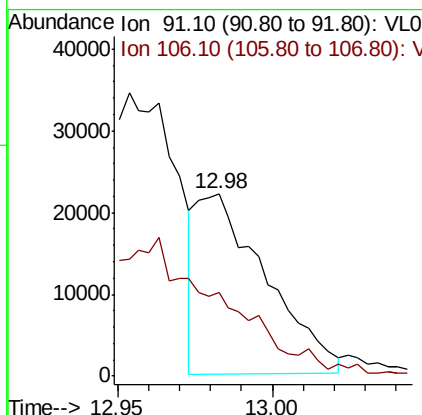
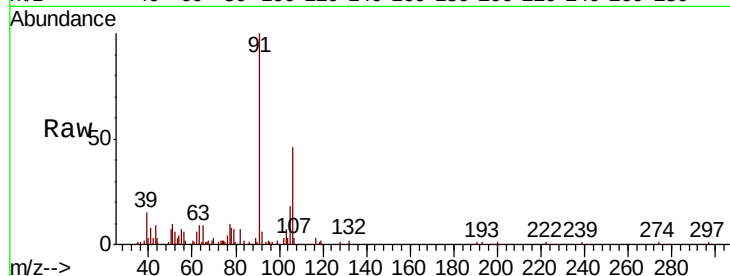




#59  
m/p-Xylene  
Concen: 0.078 ppbv  
RT: 12.98 min Scan# 3171  
Delta R.T. 0.01 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

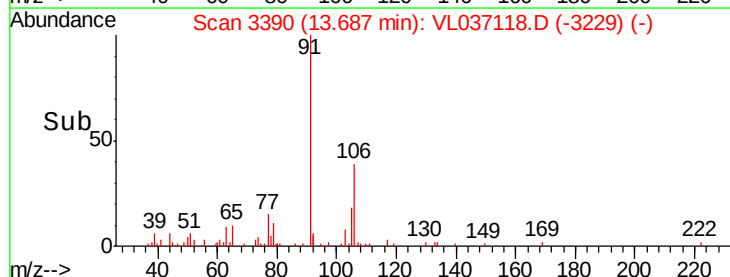
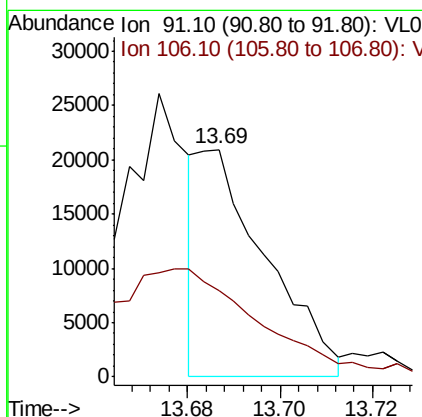
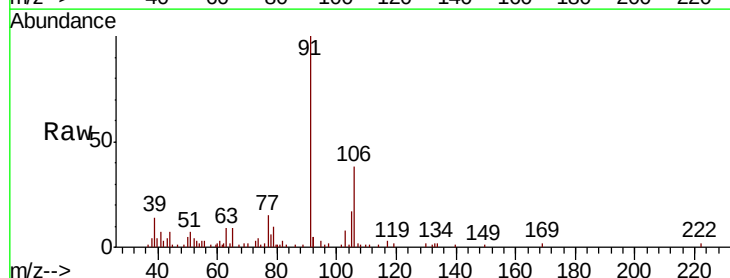
Instrument :  
MSVOA\_L  
ClientSampleId :

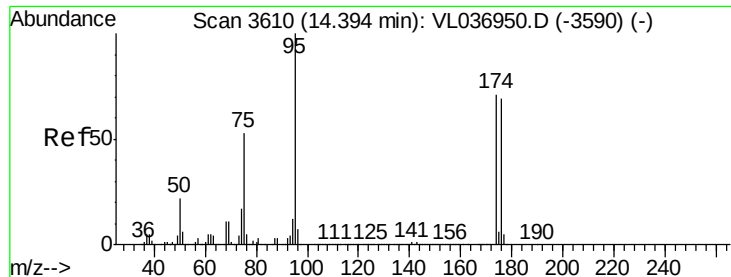
Tot Ion: 91 Resp: 34467  
Ion Ratio Lower Upper  
91 100  
106 0.0 37.4 56.2#



#60  
o-Xylene  
Concen: 0.050 ppbv  
RT: 13.69 min Scan# 3390  
Delta R.T. 0.02 min  
Lab File: VL037118.D  
Acq: 3 Jun 2021 2:12

Tgt Ion: 91 Resp: 21074  
Ion Ratio Lower Upper  
91 100  
106 116.4 23.4 70.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.886 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Instrument :

MSVOA\_L

ClientSampleId :

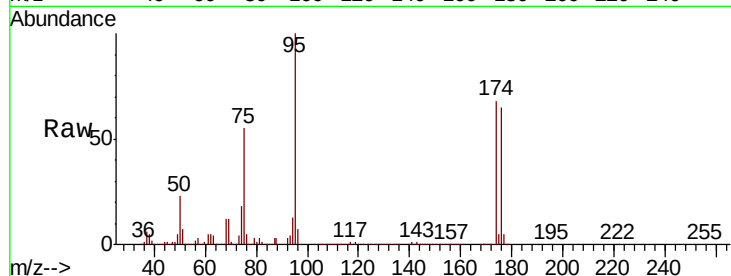
Tot Ion: 95 Resp: 2825318

Ion Ratio Lower Upper

95 100

174 74.8 58.4 87.6

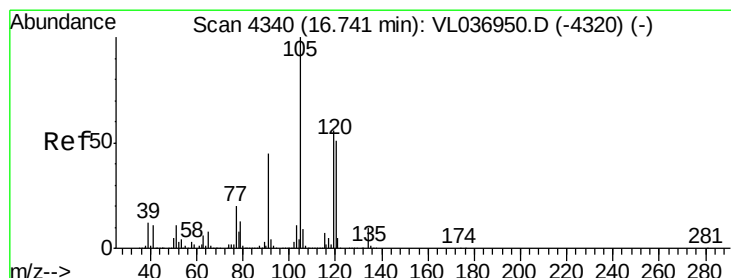
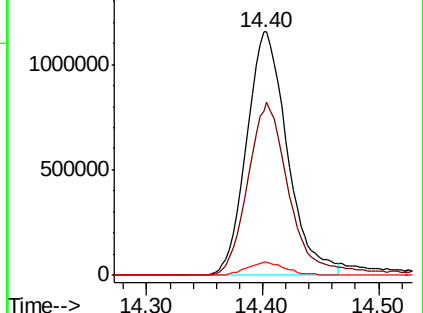
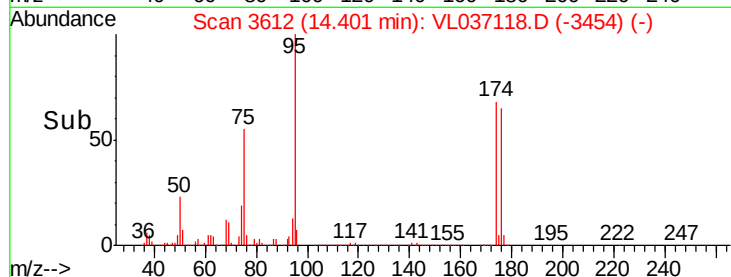
175 5.5 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL037118.D (-3454) (-)

Ion 174.00 (173.70 to 174.70): VL037118.D (-3454) (-)

Ion 175.00 (174.70 to 175.70): VL037118.D (-3454) (-)



#74

1,2,4-Trimethylbenzene

Concen: 0.218 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL037118.D

Acq: 3 Jun 2021 2:12

Tgt Ion: 105 Resp: 106306

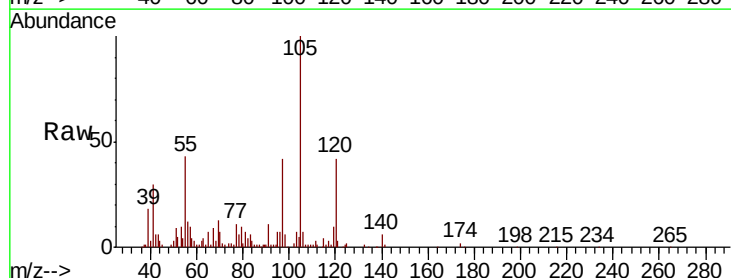
Ion Ratio Lower Upper

105 100

120 42.0 40.6 61.0

91 9.8 37.4 56.0#

77 8.7 16.2 24.4#



Abundance Ion 105.10 (104.80 to 105.80): VL037118.D (-4184) (-)

Ion 120.20 (119.90 to 120.90): VL037118.D (-4184) (-)

Ion 91.10 (90.80 to 91.80): VL037118.D (-4184) (-)

Ion 77.10 (76.80 to 77.80): VL037118.D (-4184) (-)

