

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL070221\  
 Data File : VL037273.D  
 Acq On : 2 Jul 2021 13:55  
 Operator : SY/AP  
 Sample : M2911-01DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

Quant Time: Jul 03 07:17:21 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL061621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jun 16 14:06:32 2021  
 QLast Update : Wed Jun 16 14:06:32 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1193047  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 3453158  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 3008188  | 10.00 | ppbv  | 0.01     |

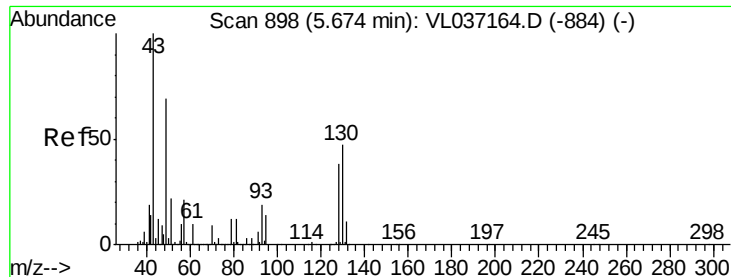
System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 2312615  | 10.15    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.50% |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.06  | 85   | 57593    | 0.278  | ppbv   | 92     |
| 3) Chlorodifluoromethane       | 2.97  | 51   | 191410   | 0.825  | ppbv # | 75     |
| 4) Chloromethane               | 3.15  | 50   | 40090    | 0.519  | ppbv   | 91     |
| 9) Propene                     | 3.21  | 41   | 5783955  | 77.977 | ppbv   | 94     |
| 10) Heptane                    | 8.14  | 43   | 7153     | 0.040  | ppbv # | 27     |
| 11) Trichlorofluoromethane     | 3.96  | 101  | 161407   | 0.729  | ppbv   | 91     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.50  | 101  | 5478     | 0.035  | ppbv # | 2      |
| 13) Ethanol                    | 3.62  | 45   | 391523   | 34.122 | ppbv   | 49     |
| 15) Acetone                    | 3.86  | 43   | 1909048  | 14.190 | ppbv # | 89     |
| 16) 1,3-Butadiene              | 3.37  | 39   | 102334   | 1.287  | ppbv # | 23     |
| 17) tert-Butyl alcohol         | 4.32  | 59   | 5486     | 0.044  | ppbv # | 71     |
| 19) Isopropyl Alcohol          | 3.98  | 45   | 1054233  | 12.937 | ppbv   | 98     |
| 20) Methylene Chloride         | 4.36  | 84   | 619067   | 7.686  | ppbv   | 94     |
| 21) Allyl Chloride             | 4.36  | 41   | 21609    | 0.213  | ppbv # | 46     |
| 23) Vinyl Acetate              | 5.08  | 43   | 62860    | 0.326  | ppbv # | 41     |
| 25) Ethyl Acetate              | 5.70  | 43   | 512670   | 1.760  | ppbv # | 88     |
| 26) Hexane                     | 5.70  | 57   | 488591   | 3.319  | ppbv # | 58     |
| 29) Chloroform                 | 5.76  | 83   | 64942    | 0.286  | ppbv # | 83     |
| 34) 2-Butanone                 | 5.27  | 43   | 83172    | 0.619  | ppbv # | 88     |
| 35) Carbon Tetrachloride       | 7.03  | 117  | 11096    | 0.048  | ppbv # | 68     |
| 36) Benzene                    | 6.91  | 78   | 59563    | 0.213  | ppbv   | 95     |
| 37) 1,2-Dichloroethane         | 6.32  | 62   | 8675     | 0.053  | ppbv # | 85     |
| 39) 1,2-Dichloropropane        | 7.19  | 63   | 836480   | 8.062  | ppbv # | 23     |
| 41) Tetrahydrofuran            | 6.07  | 42   | 2275     | 0.036  | ppbv # | 15     |
| 44) 2,2,4-Trimethylpentane     | 7.89  | 57   | 62480    | 0.133  | ppbv # | 73     |
| 53) Toluene                    | 9.83  | 91   | 825545   | 2.475  | ppbv   | 100    |
| 58) Ethyl Benzene              | 12.72 | 91   | 15194    | 0.037  | ppbv   | 91     |
| 59) m/p-Xylene                 | 13.01 | 91   | 18796    | 0.054  | ppbv # | 30     |
| 60) o-Xylene                   | 13.72 | 91   | 11751    | 0.035  | ppbv # | 1      |
| 61) Styrene                    | 13.55 | 104  | 13829    | 0.080  | ppbv # | 38     |
| 74) 1,2,4-Trimethylbenzene     | 16.79 | 105  | 39370    | 0.104  | ppbv # | 66     |
| 75) 1,3-Dichlorobenzene        | 17.16 | 146  | 381899   | 1.661  | ppbv   | 97     |
| 76) 1,4-Dichlorobenzene        | 17.16 | 146  | 381899   | 1.663  | ppbv   | 98     |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

1DUP

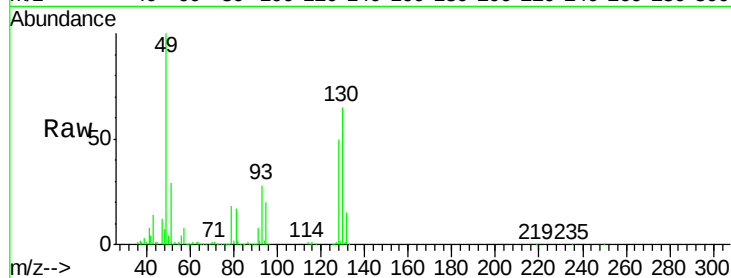
Tgt Ion: 49 Resp: 1193047

Ion Ratio Lower Upper

49 100

128 55.3 29.3 88.0

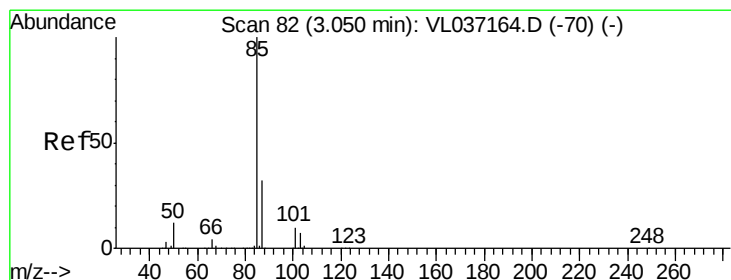
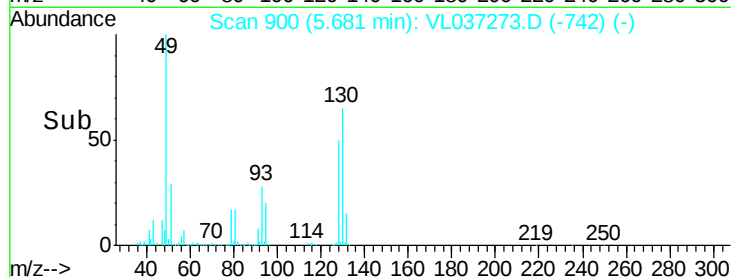
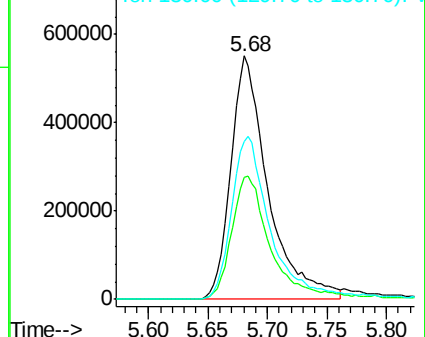
130 71.4 35.9 107.8



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



#2

Dichlorodifluoromethane

Concen: 0.278 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037273.D

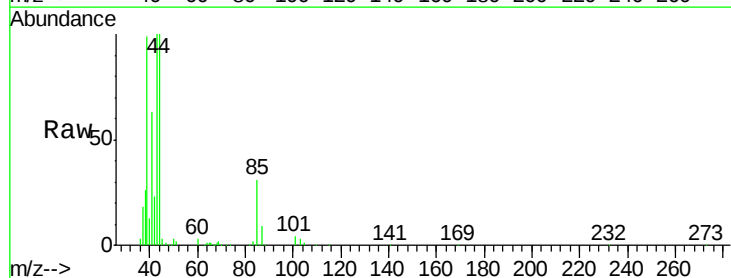
Acq: 2 Jul 2021 13:55

Tgt Ion: 85 Resp: 57593

Ion Ratio Lower Upper

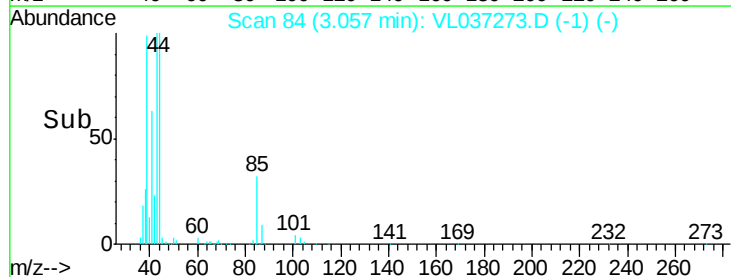
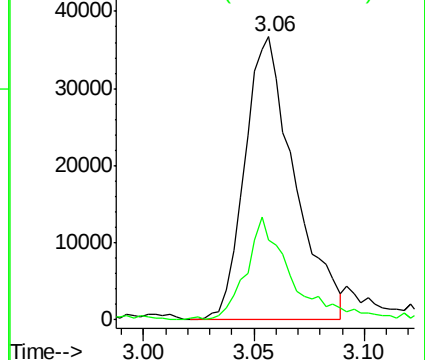
85 100

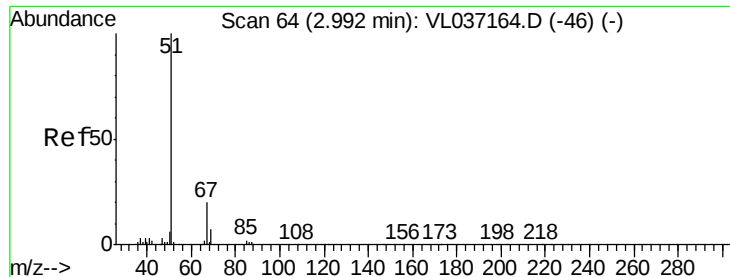
87 27.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.825 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

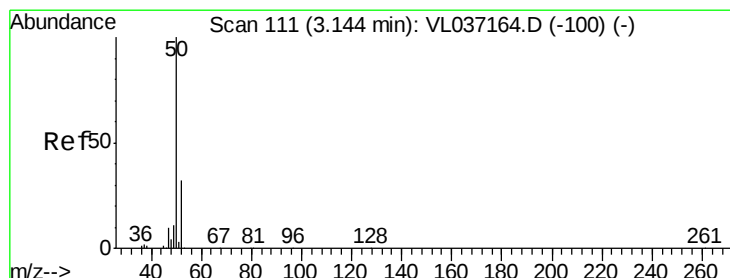
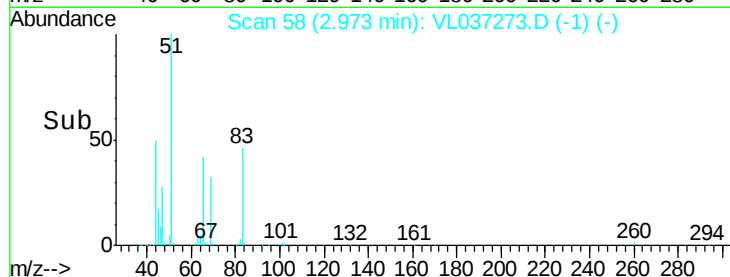
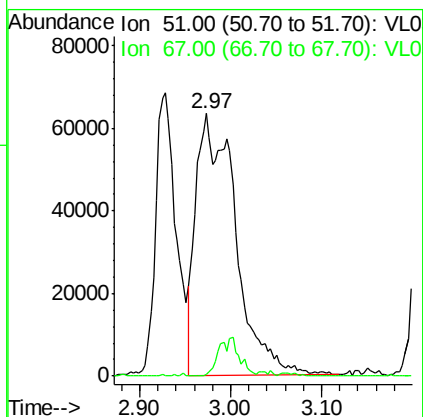
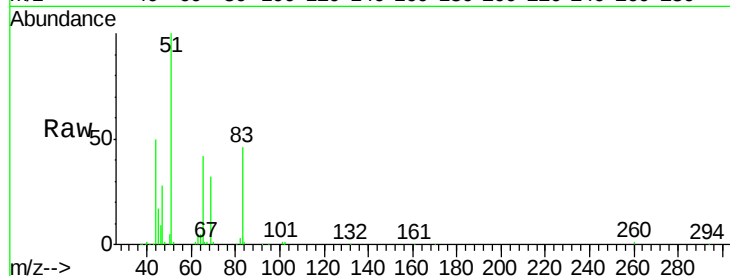
1DUP

Tgt Ion: 51 Resp: 191410

Ion Ratio Lower Upper

51 100

67 8.4 15.8 23.6#



#4

Chloromethane

Concen: 0.519 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037273.D

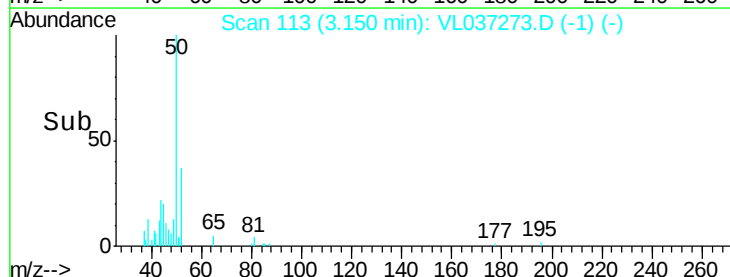
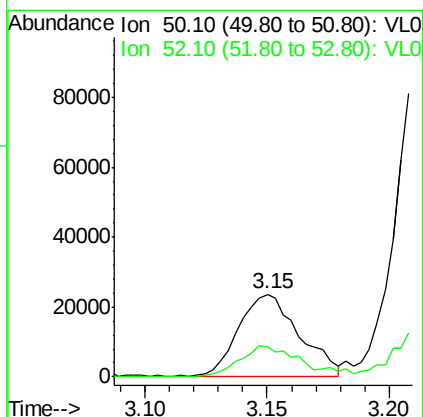
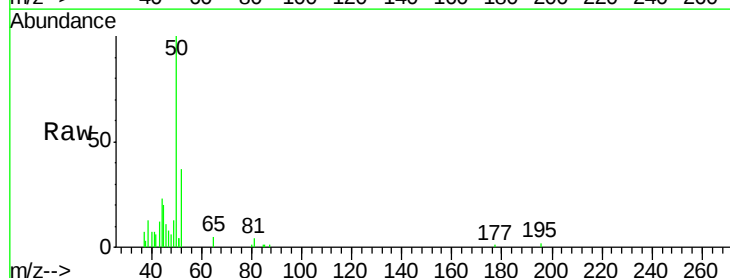
Acq: 2 Jul 2021 13:55

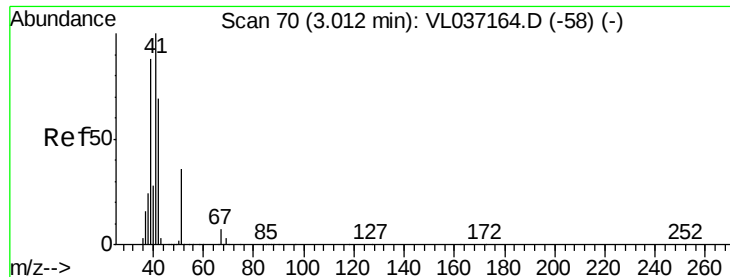
Tgt Ion: 50 Resp: 40090

Ion Ratio Lower Upper

50 100

52 37.2 25.8 38.8





#9

Propene

Concen: 77.977 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.20 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

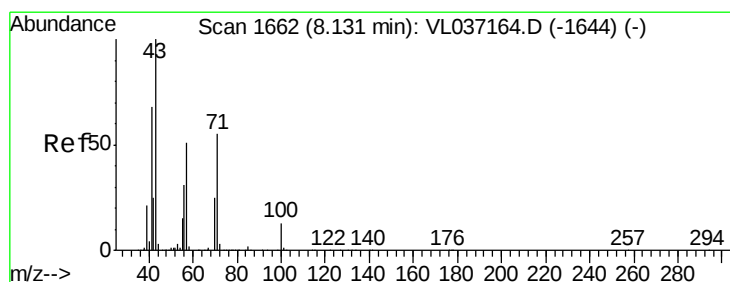
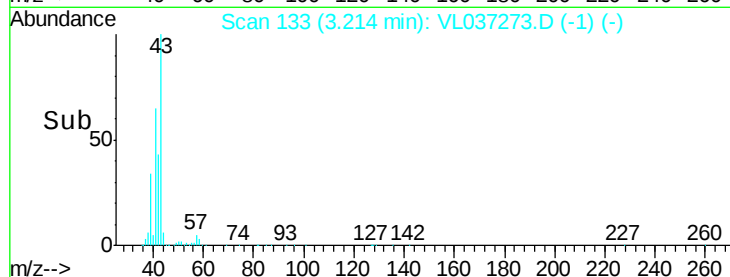
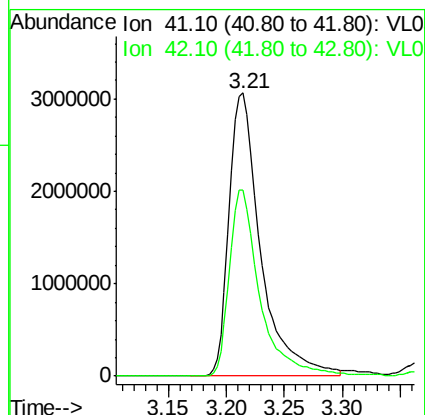
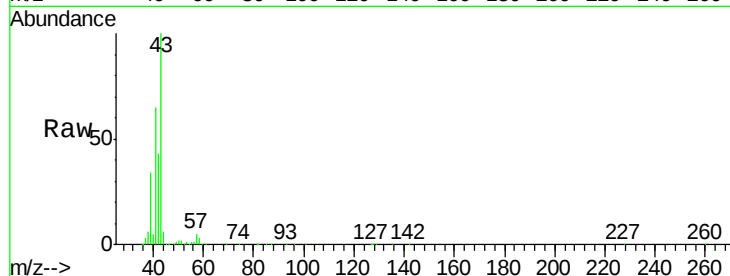
1DUP

Tgt Ion: 41 Resp: 5783955

Ion Ratio Lower Upper

41 100

42 63.6 54.5 81.7



#10

Heptane

Concen: 0.040 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL037273.D

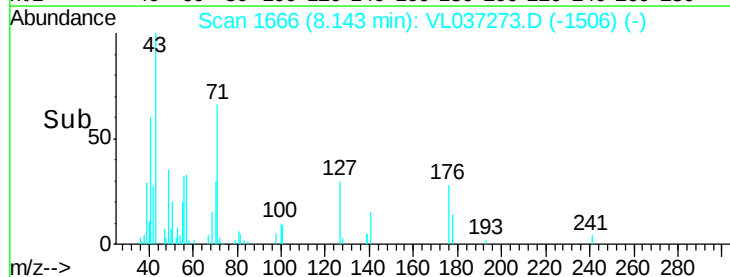
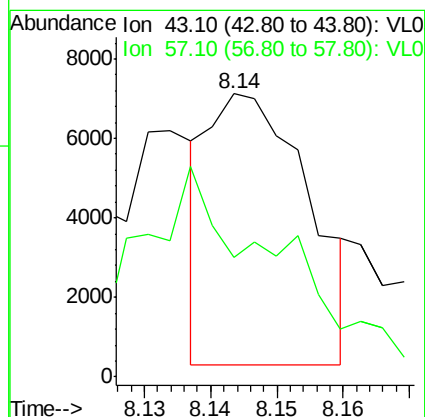
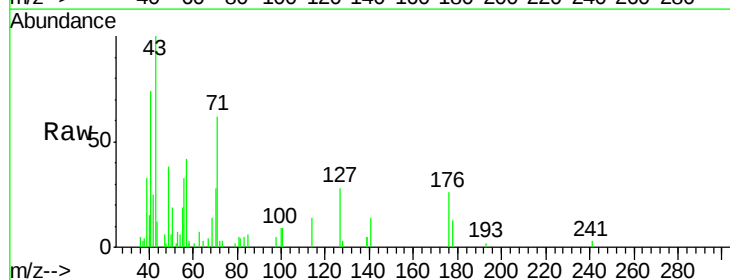
Acq: 2 Jul 2021 13:55

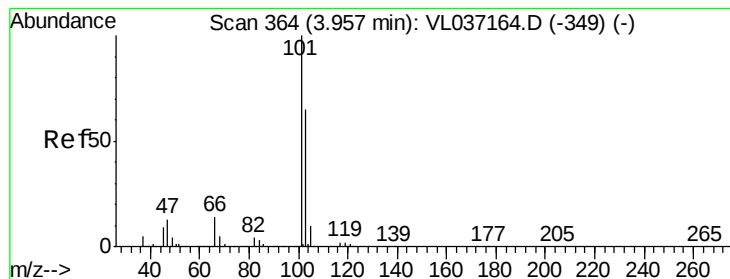
Tgt Ion: 43 Resp: 7153

Ion Ratio Lower Upper

43 100

57 0.0 40.6 61.0#





#11

Trichlorofluoromethane

Concen: 0.729 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

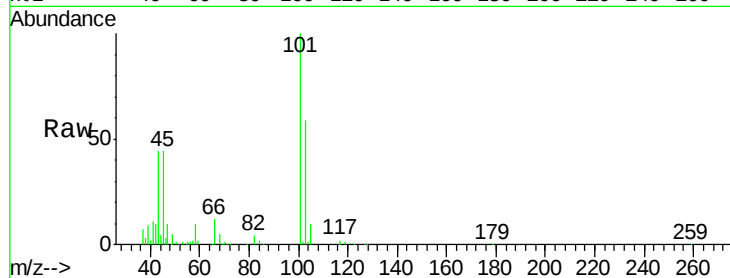
1DUP

Tgt Ion:101 Resp: 161407

Ion Ratio Lower Upper

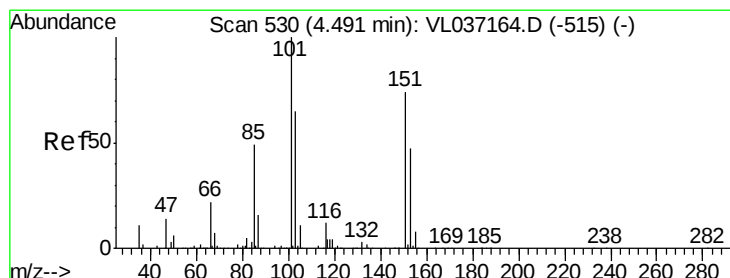
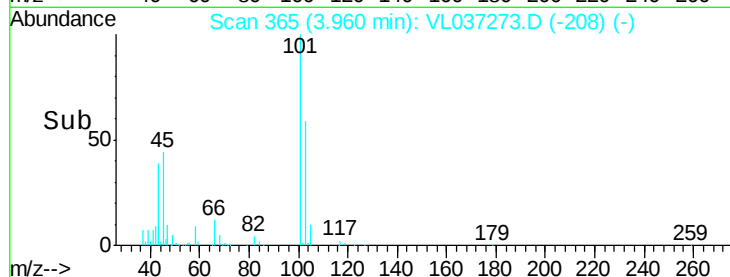
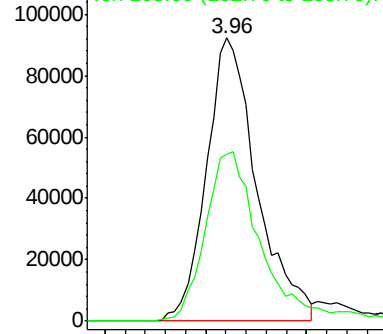
101 100

103 58.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037273.D

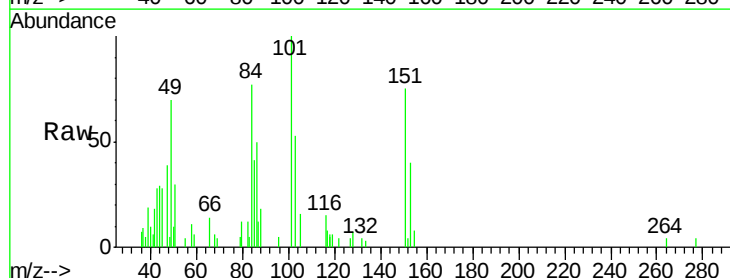
Acq: 2 Jul 2021 13:55

Tgt Ion:101 Resp: 5478

Ion Ratio Lower Upper

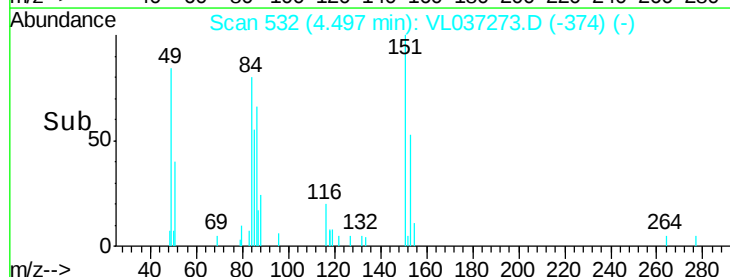
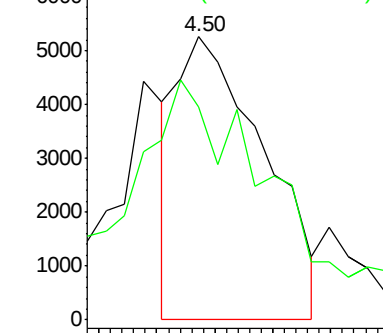
101 100

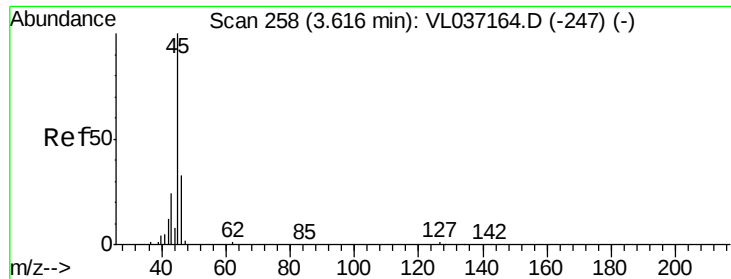
151 156.9 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 34.122 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.00 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

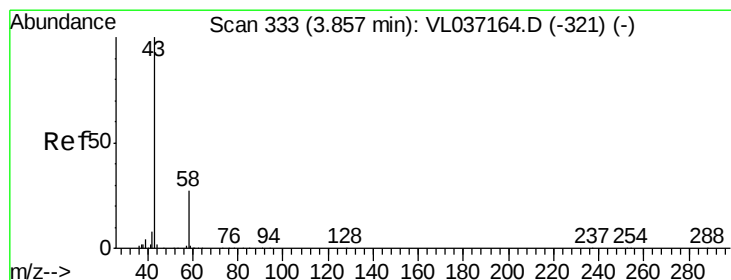
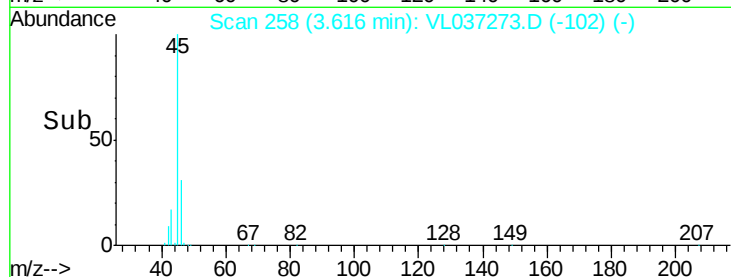
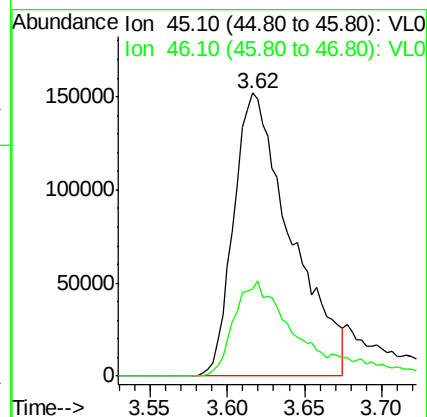
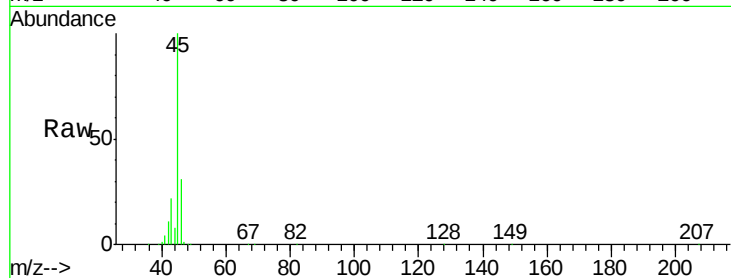
1DUP

Tgt Ion: 45 Resp: 391523

Ion Ratio Lower Upper

45 100

46 39.0 34.2 137.0



#15

Acetone

Concen: 14.190 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL037273.D

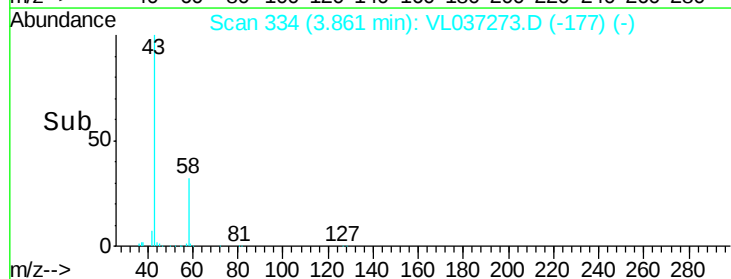
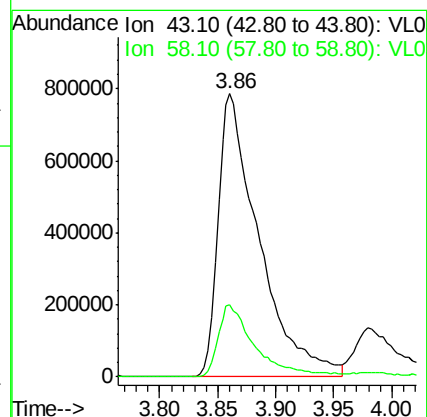
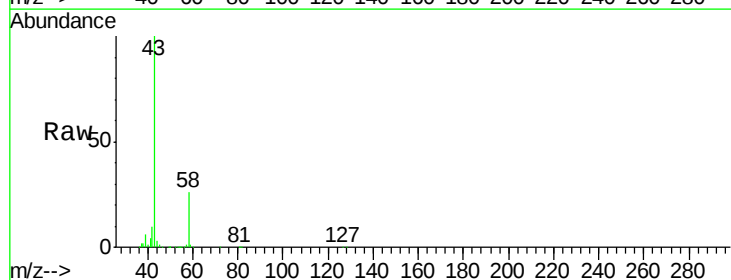
Acq: 2 Jul 2021 13:55

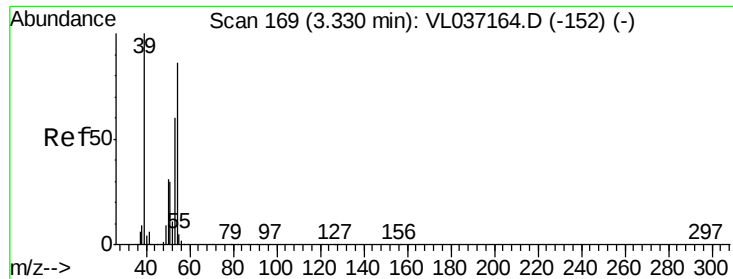
Tgt Ion: 43 Resp: 1909048

Ion Ratio Lower Upper

43 100

58 23.4 23.7 35.5#

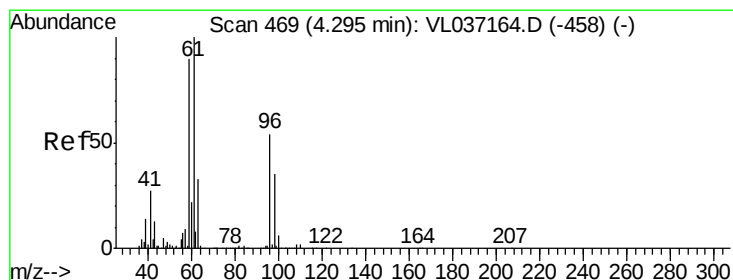
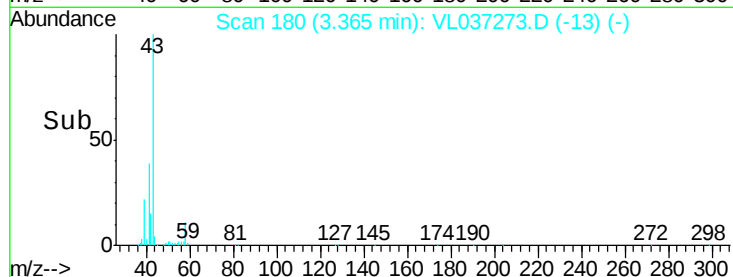
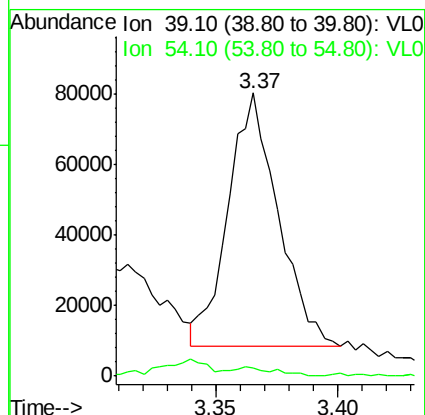
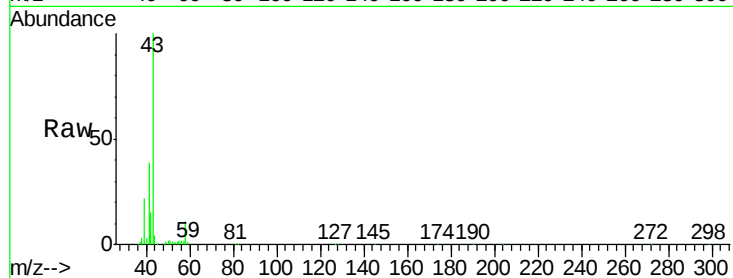




#16  
 1,3-Butadiene  
 Concen: 1.287 ppbv  
 RT: 3.37 min Scan# 180  
 Delta R.T. 0.04 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

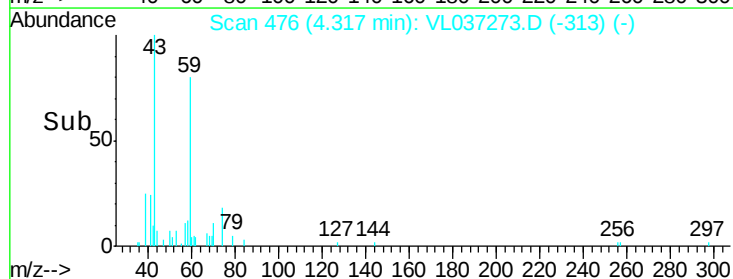
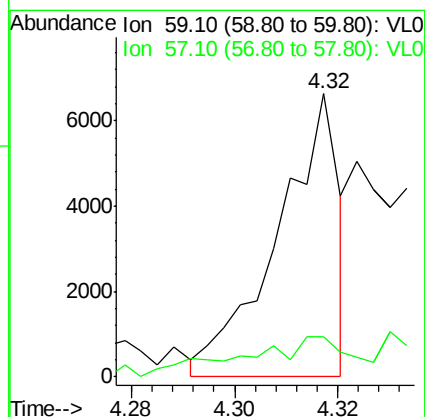
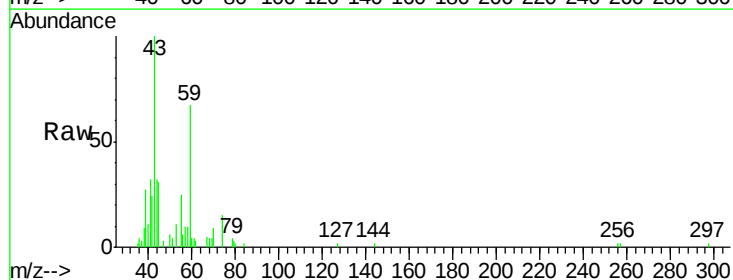
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

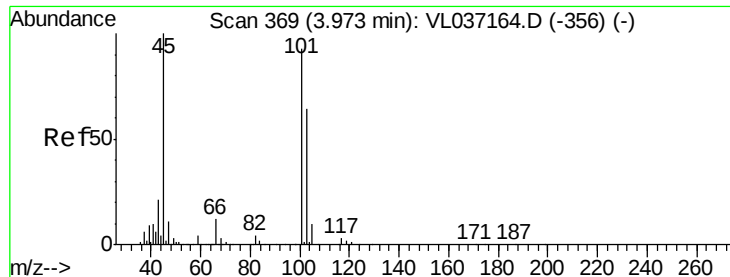
Tgt Ion: 39 Resp: 102334  
 Ion Ratio Lower Upper  
 39 100  
 54 10.0 61.2 91.8#



#17  
 tert-Butyl alcohol  
 Concen: 0.044 ppbv  
 RT: 4.32 min Scan# 476  
 Delta R.T. 0.02 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Tgt Ion: 59 Resp: 5486  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.8 13.2#



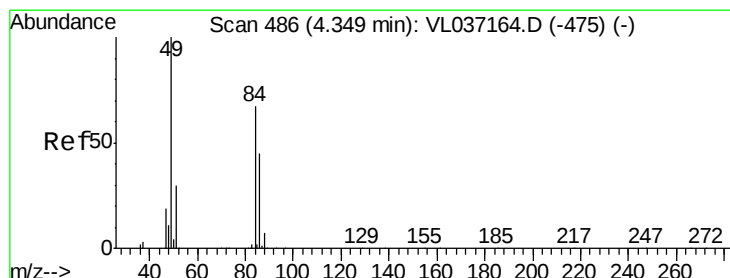
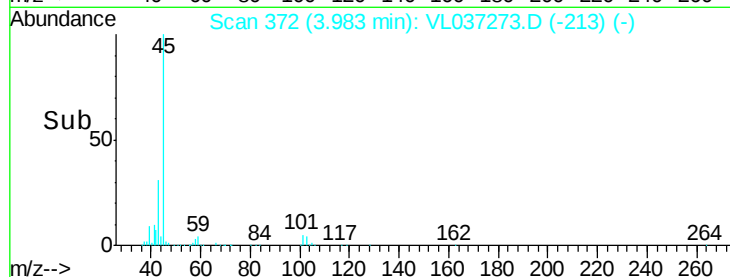
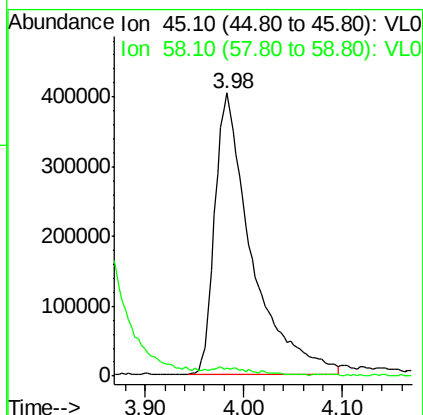
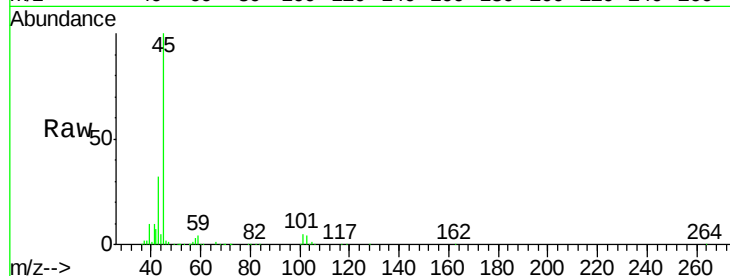


#19

Isopropyl Alcohol  
 Concen: 12.937 ppbv  
 RT: 3.98 min Scan# 372  
 Delta R.T. 0.01 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

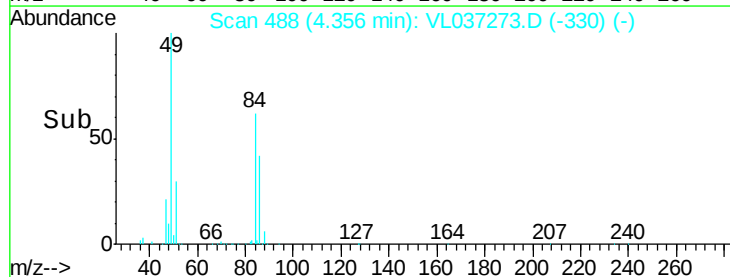
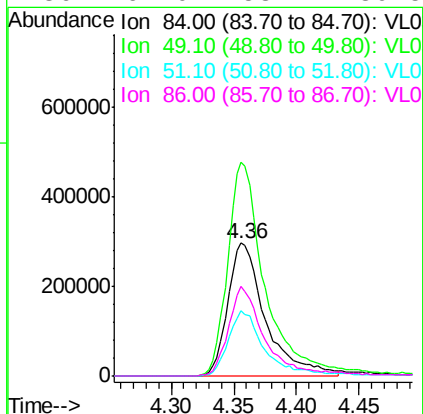
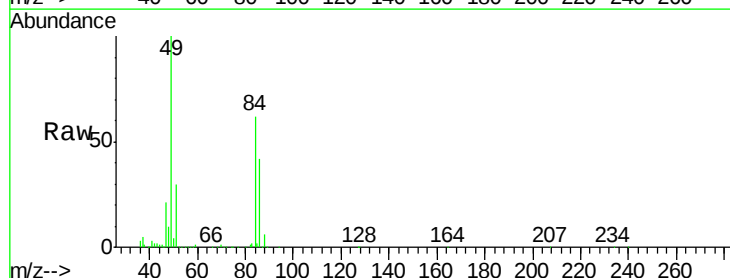
Tgt Ion: 45 Resp: 1054233  
 Ion Ratio Lower Upper  
 45 100  
 58 3.6 2.4 3.6

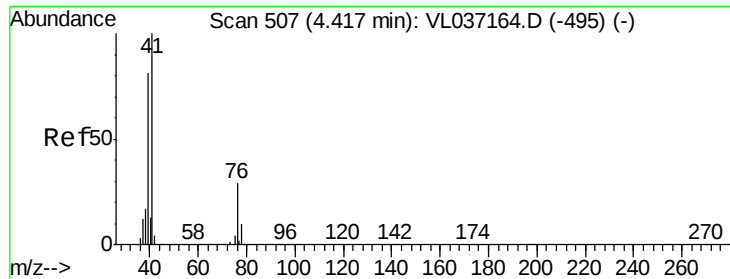


#20

Methylene Chloride  
 Concen: 7.686 ppbv  
 RT: 4.36 min Scan# 488  
 Delta R.T. 0.01 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Tgt Ion: 84 Resp: 619067  
 Ion Ratio Lower Upper  
 84 100  
 49 160.7 119.7 179.5  
 51 48.6 36.1 54.1  
 86 67.0 53.7 80.5





#21

Allyl Chloride

Concen: 0.213 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.06 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

1DUP

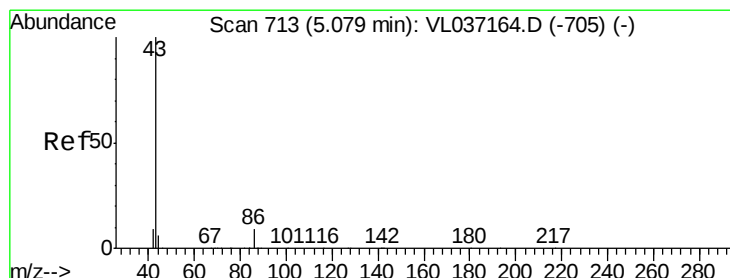
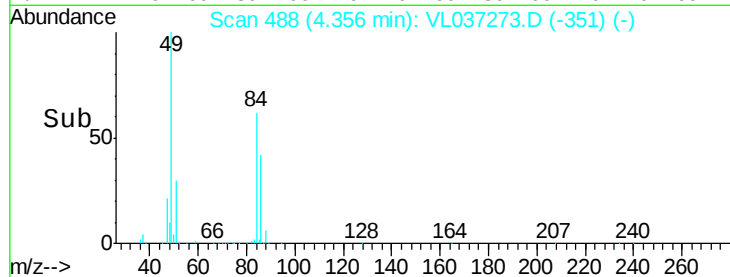
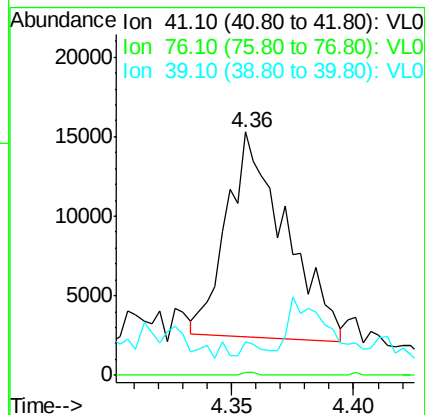
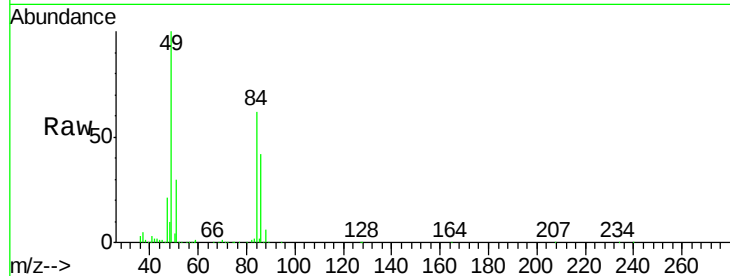
Tgt Ion: 41 Resp: 21609

Ion Ratio Lower Upper

41 100

76 0.0 24.6 37.0#

39 34.1 65.4 98.0#



#23

Vinyl Acetate

Concen: 0.326 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Tgt Ion: 43 Resp: 62860

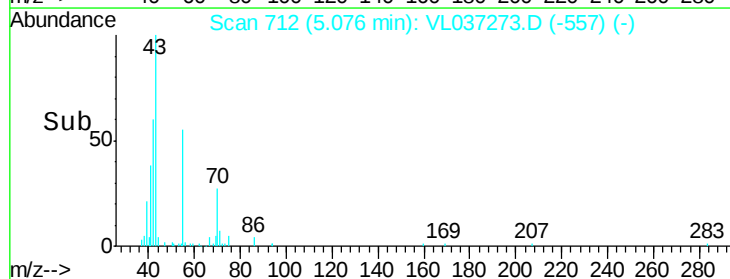
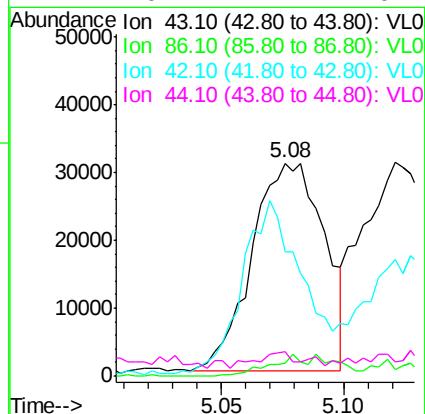
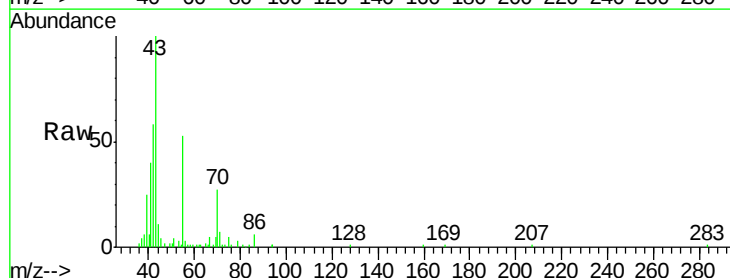
Ion Ratio Lower Upper

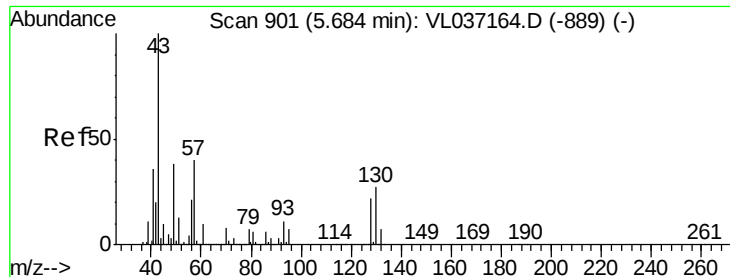
43 100

86 6.2 5.8 8.8

42 58.2 8.2 12.2#

44 6.4 4.2 6.4#





#25

Ethyl Acetate

Concen: 1.760 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

1DUP

Tgt Ion: 43 Resp: 512670

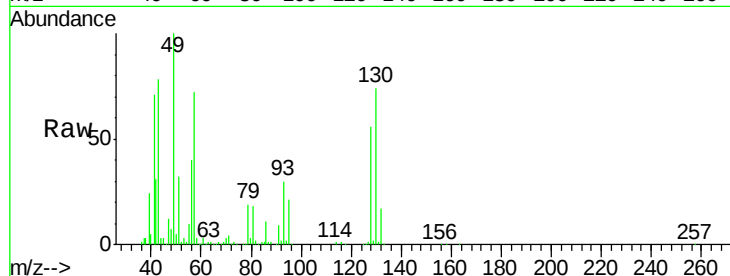
Ion Ratio Lower Upper

43 100

45 5.7 8.0 12.0#

61 4.7 8.1 12.1#

70 4.5 5.5 8.3#

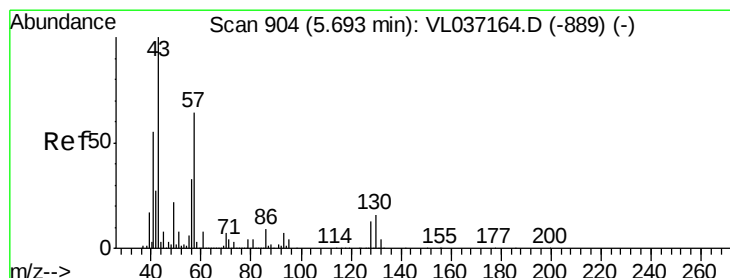
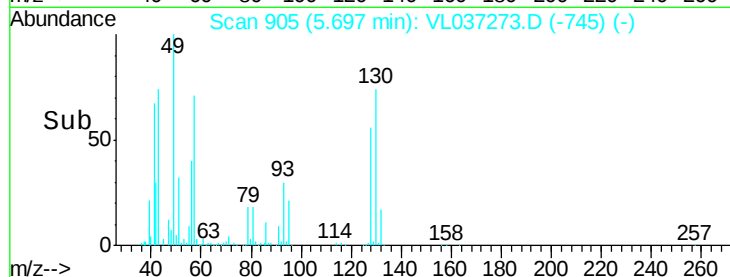
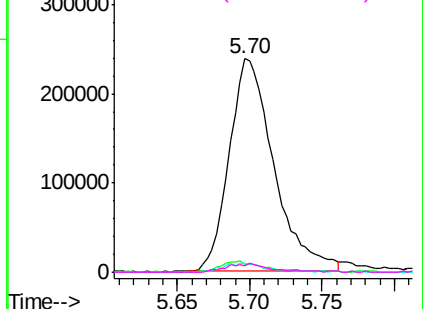


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 3.319 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Tgt Ion: 57 Resp: 488591

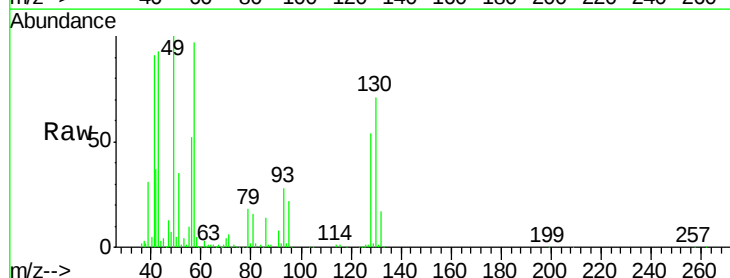
Ion Ratio Lower Upper

57 100

41 100.9 73.5 110.3

43 109.8 170.7 256.1#

56 56.0 42.4 63.6

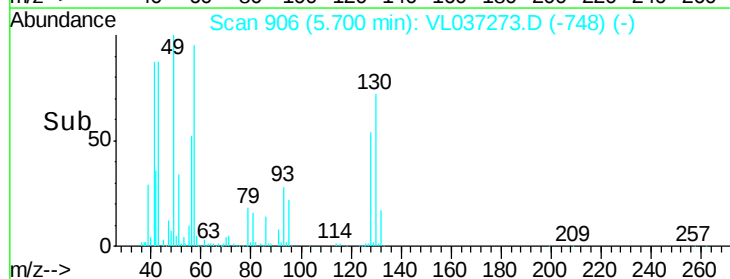
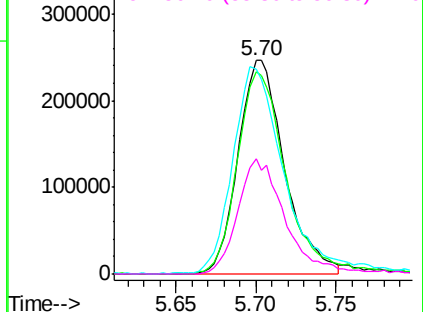


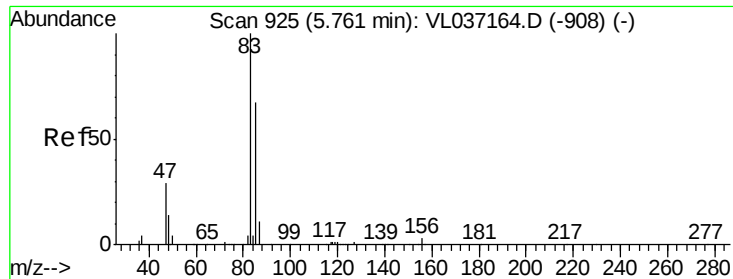
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#29

Chloroform

Concen: 0.286 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.00 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

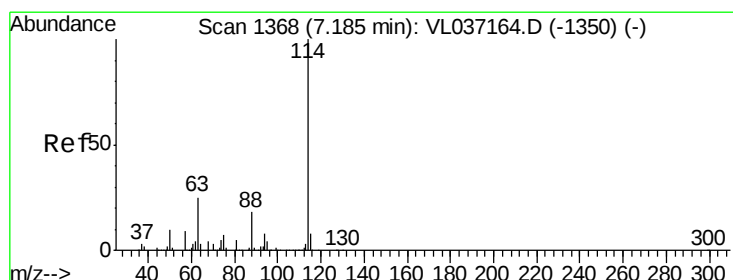
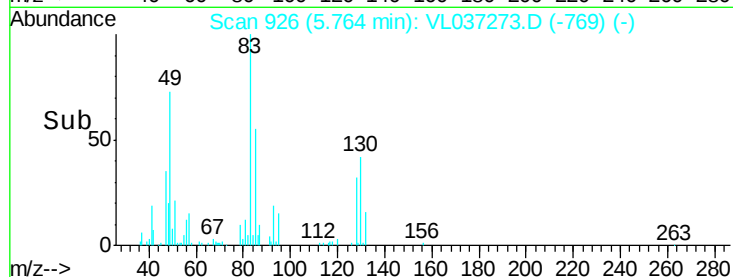
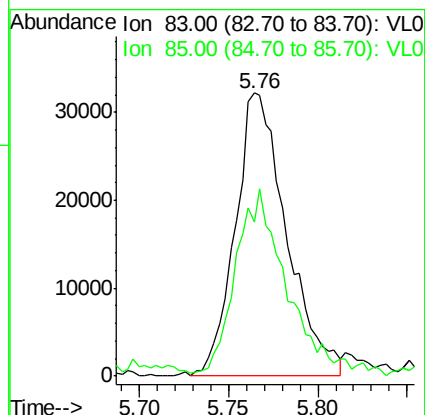
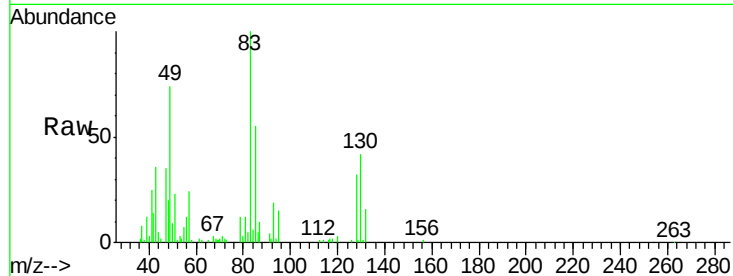
1DUP

Tgt Ion: 83 Resp: 64942

Ion Ratio Lower Upper

83 100

85 53.6 53.6 80.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

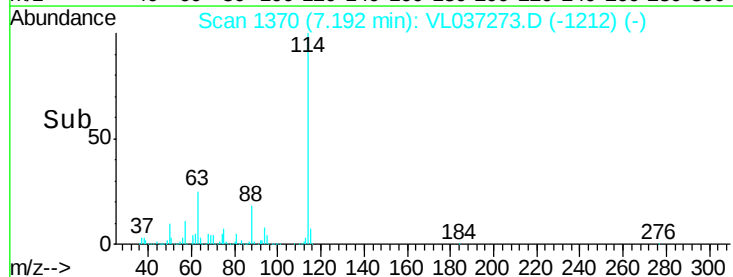
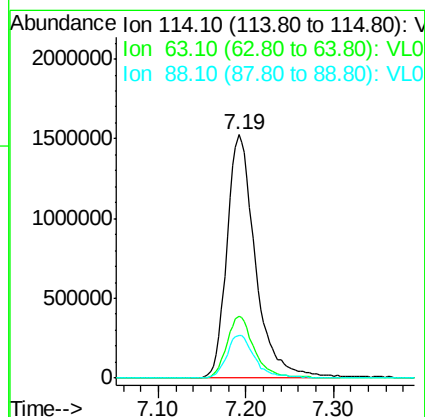
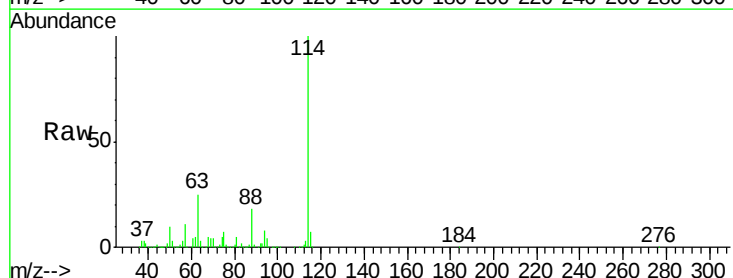
Tgt Ion: 114 Resp: 3453158

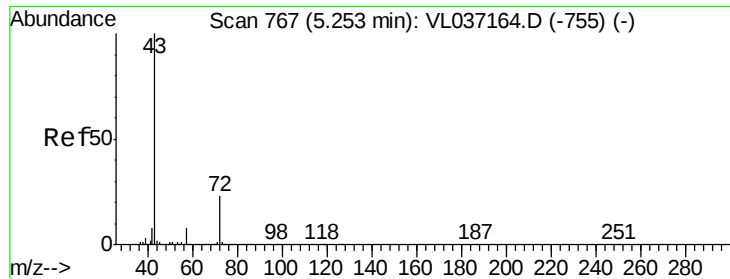
Ion Ratio Lower Upper

114 100

63 24.9 19.6 29.4

88 17.6 14.2 21.2

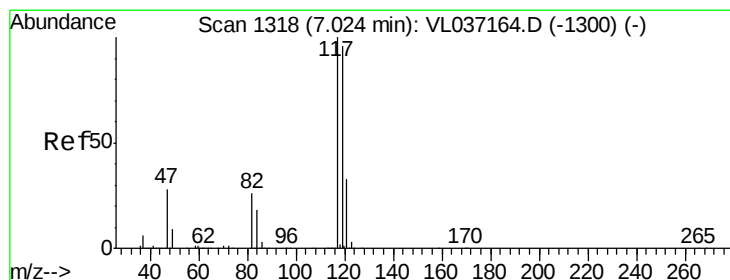
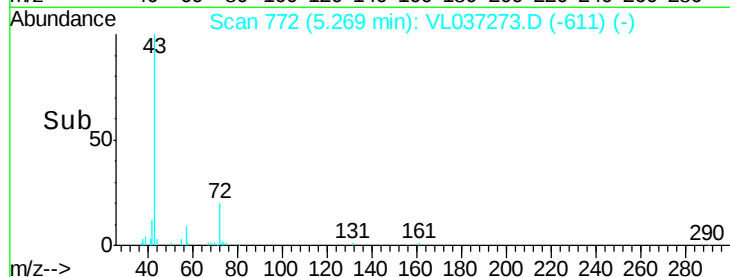
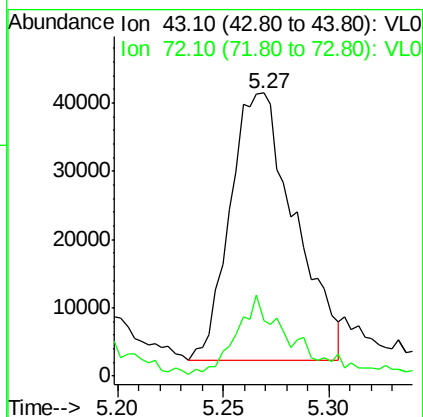
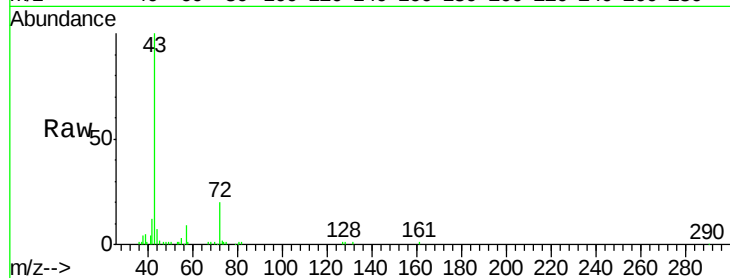




#34  
2-Butanone  
Concen: 0.619 ppbv  
RT: 5.27 min Scan# 772  
Delta R.T. 0.02 min  
Lab File: VL037273.D  
Acq: 2 Jul 2021 13:55

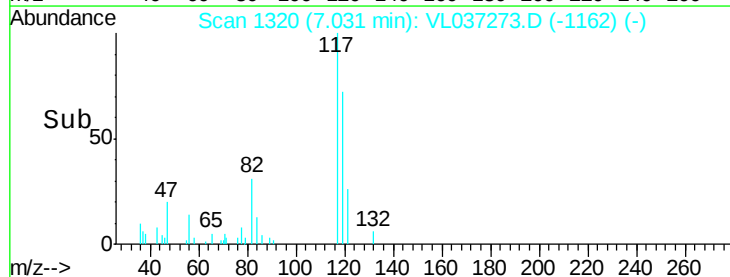
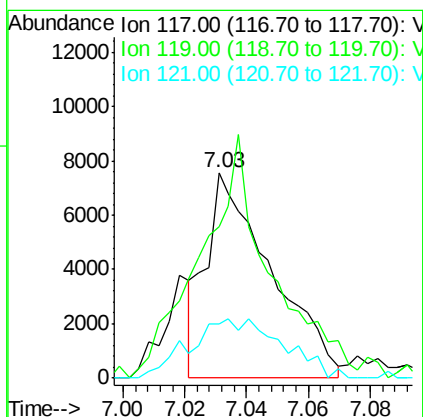
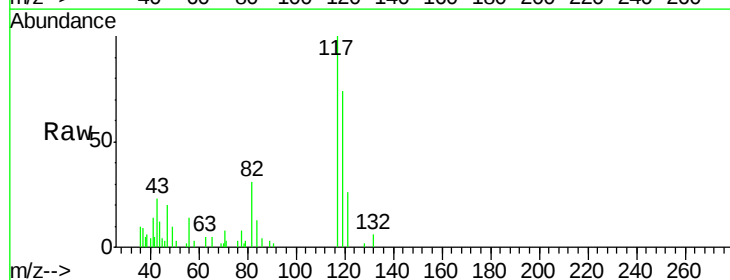
Instrument :  
MSVOA\_L  
ClientSampleId :  
1DUP

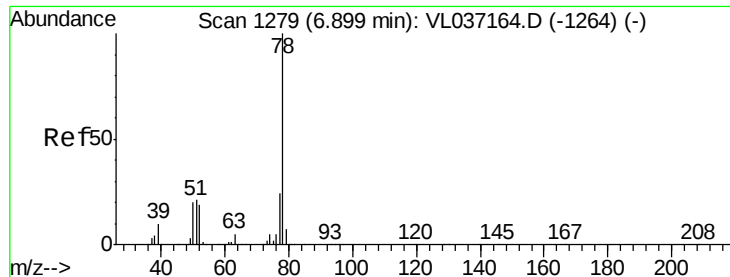
Tgt Ion: 43 Resp: 83172  
Ion Ratio Lower Upper  
43 100  
72 29.4 18.9 28.3#



#35  
Carbon Tetrachloride  
Concen: 0.048 ppbv  
RT: 7.03 min Scan# 1320  
Delta R.T. 0.01 min  
Lab File: VL037273.D  
Acq: 2 Jul 2021 13:55

Tgt Ion: 117 Resp: 11096  
Ion Ratio Lower Upper  
117 100  
119 59.3 76.6 114.8#  
121 23.3 26.4 39.6#

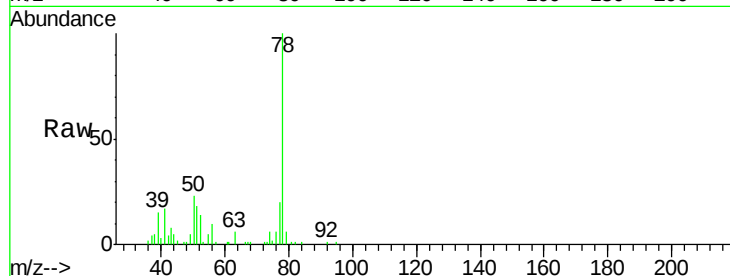




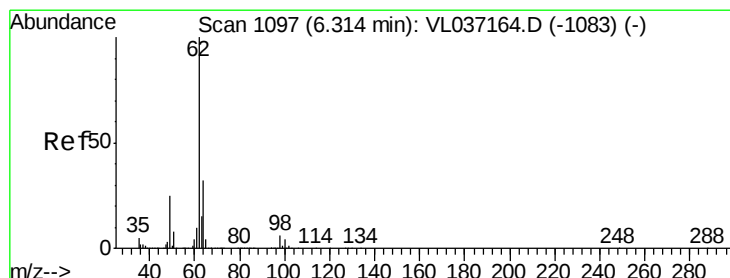
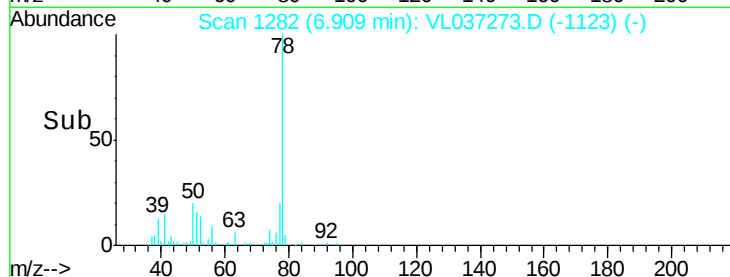
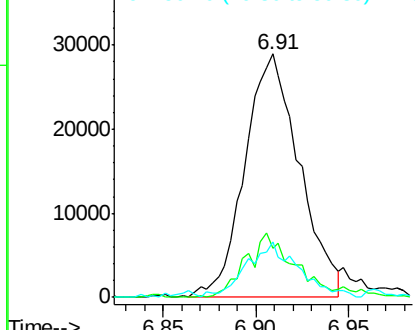
#36  
Benzene  
Concen: 0.213 ppbv  
RT: 6.91 min Scan# 1282  
Delta R.T. 0.01 min  
Lab File: VL037273.D  
Acq: 2 Jul 2021 13:55

Instrument :  
MSVOA\_L  
ClientSampleId :  
1DUP

Tgt Ion: 78 Resp: 59563  
Ion Ratio Lower Upper  
78 100  
77 20.0 19.0 28.6  
50 19.9 15.7 23.5

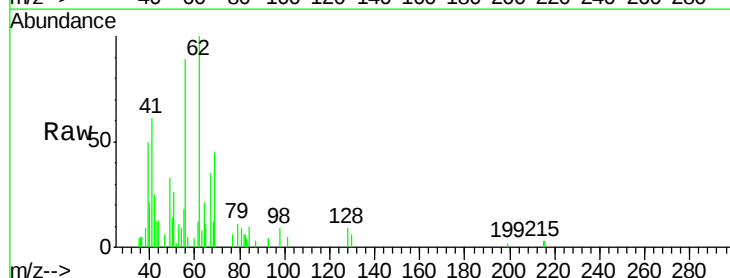


Abundance Ion 78.10 (77.80 to 78.80): VL0  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 50.10 (49.80 to 50.80): VL0

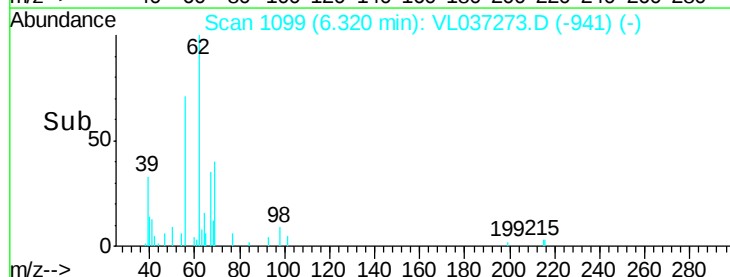
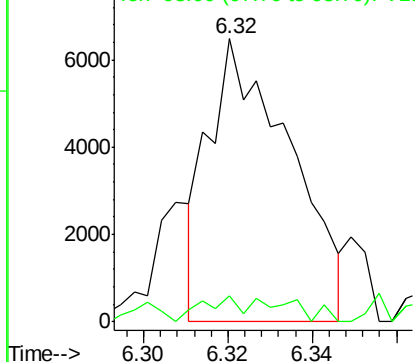


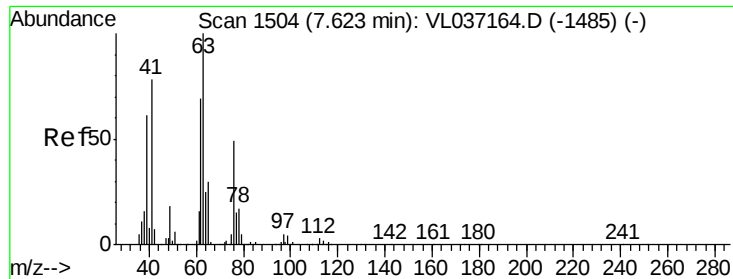
#37  
1,2-Dichloroethane  
Concen: 0.053 ppbv  
RT: 6.32 min Scan# 1099  
Delta R.T. 0.01 min  
Lab File: VL037273.D  
Acq: 2 Jul 2021 13:55

Tgt Ion: 62 Resp: 8675  
Ion Ratio Lower Upper  
62 100  
98 11.4 5.0 7.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0  
Ion 98.00 (97.70 to 98.70): VL0

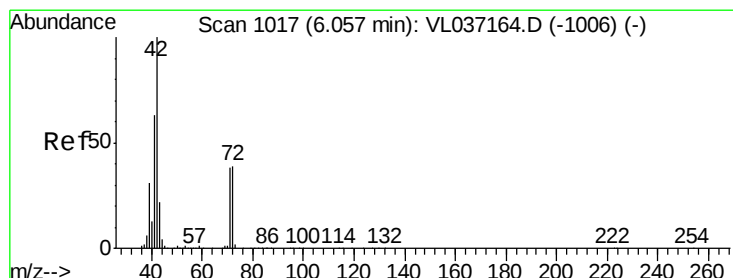
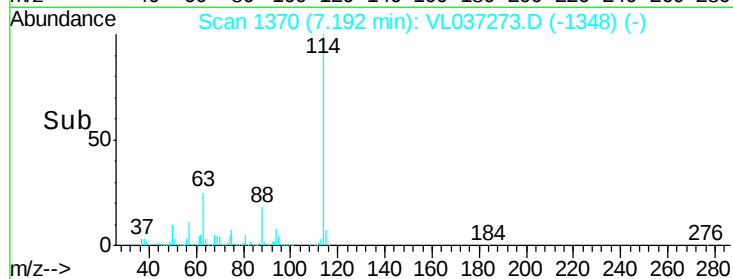
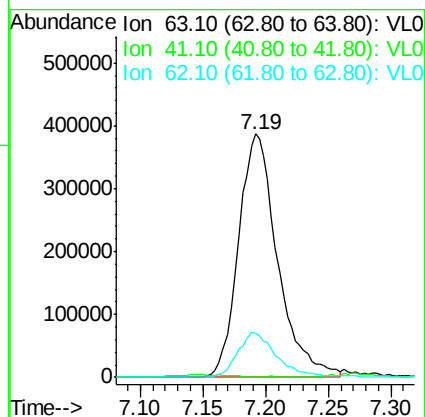
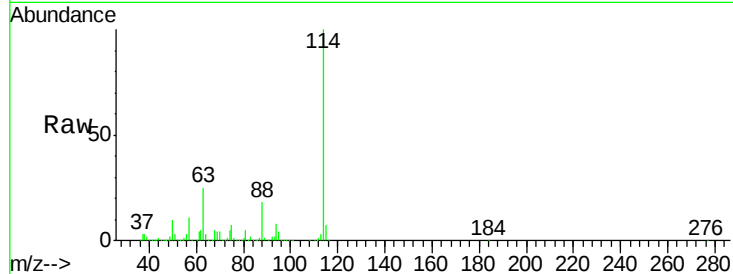




#39  
 1,2-Dichloropropane  
 Concen: 8.062 ppbv  
 RT: 7.19 min Scan# 1370  
 Delta R.T. -0.43 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

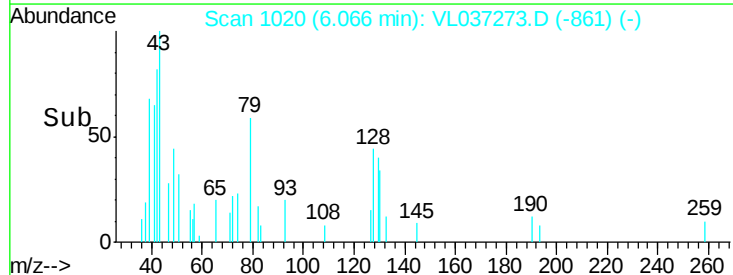
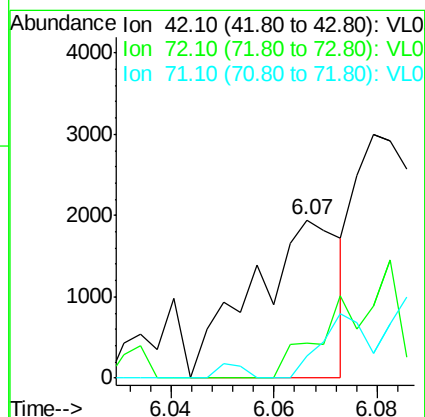
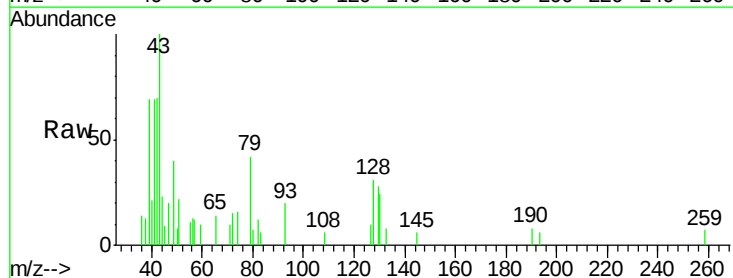
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

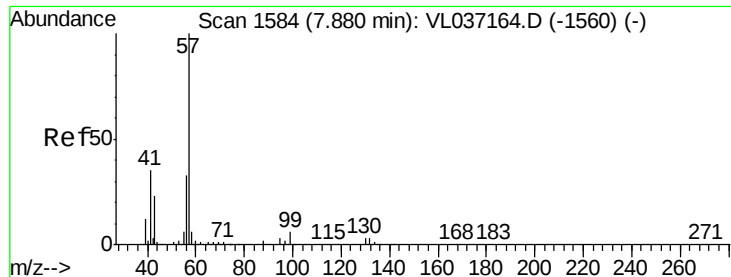
Tgt Ion: 63 Resp: 836480  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 62.0 93.0#  
 62 18.0 54.9 82.3#



#41  
 Tetrahydrofuran  
 Concen: 0.036 ppbv  
 RT: 6.07 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Tgt Ion: 42 Resp: 2275  
 Ion Ratio Lower Upper  
 42 100  
 72 94.2 33.0 49.4#  
 71 91.2 31.0 46.6#

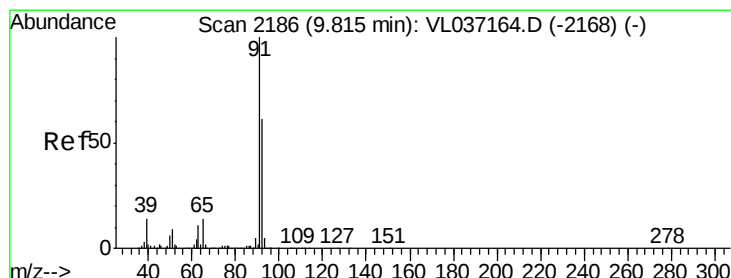
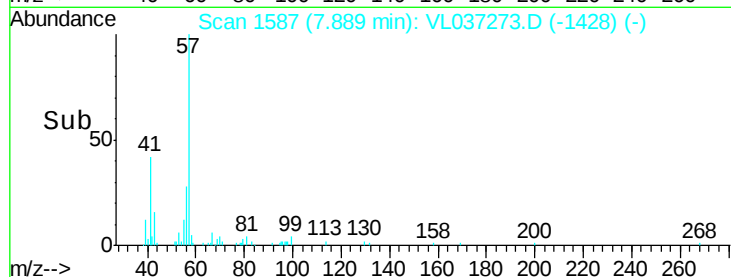
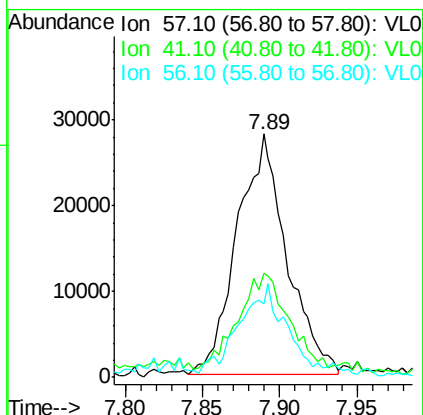
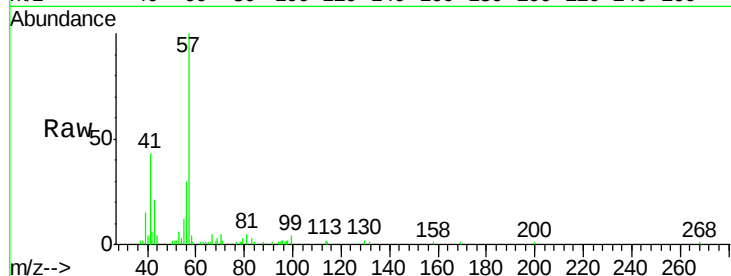




#44  
 2,2,4-Trimethylpentane  
 Concen: 0.133 ppbv  
 RT: 7.89 min Scan# 1587  
 Delta R.T. 0.01 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

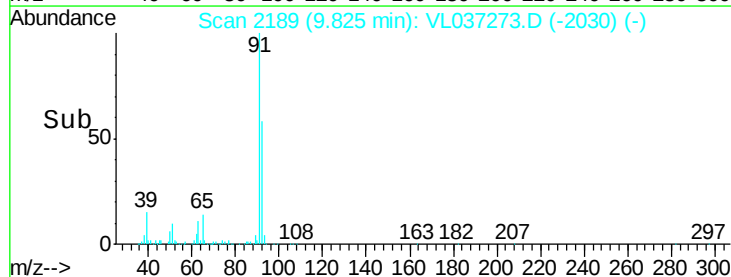
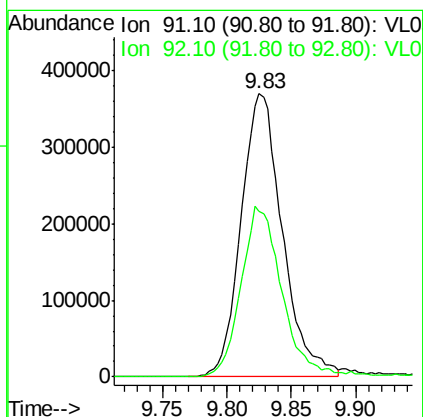
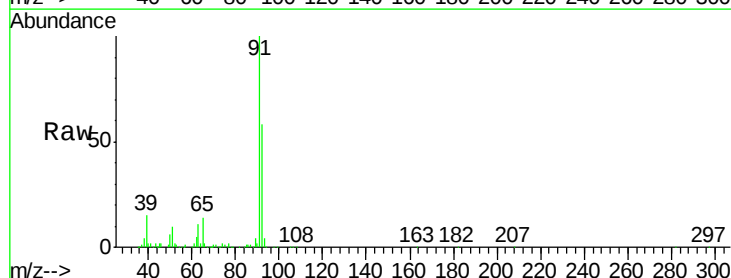
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

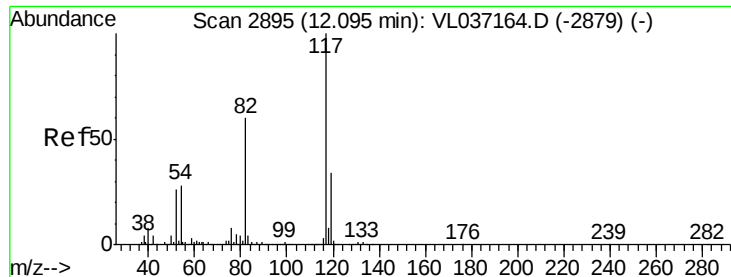
Tgt Ion: 57 Resp: 62480  
 Ion Ratio Lower Upper  
 57 100  
 41 51.7 27.6 41.4#  
 56 44.4 25.3 37.9#



#53  
 Toluene  
 Concen: 2.475 ppbv  
 RT: 9.83 min Scan# 2189  
 Delta R.T. 0.01 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Tgt Ion: 91 Resp: 825545  
 Ion Ratio Lower Upper  
 91 100  
 92 60.7 48.3 72.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.01 min

Lab File: VL037273.D

Acq: 2 Jul 2021 13:55

Instrument :

MSVOA\_L

ClientSampleId :

1DUP

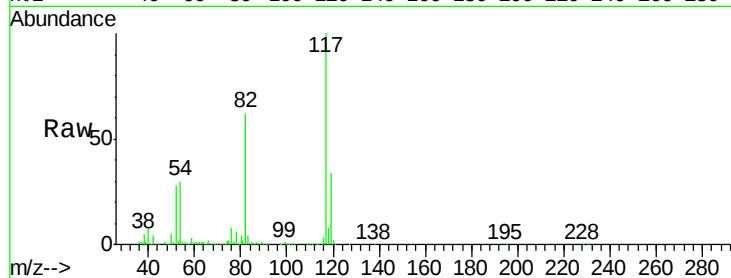
Tgt Ion:117 Resp: 3008188

Ion Ratio Lower Upper

117 100

82 65.3 51.7 77.5

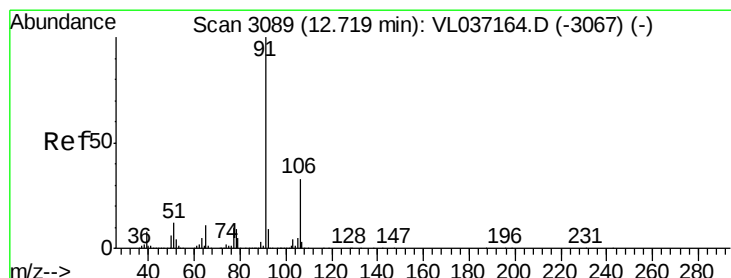
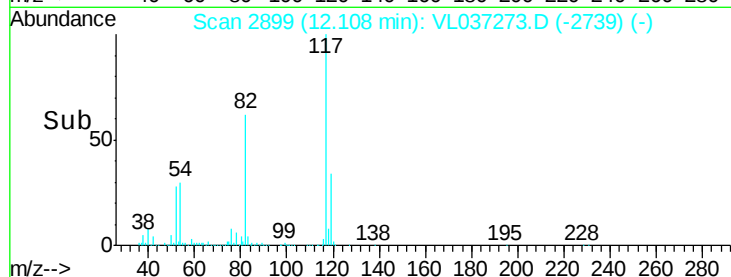
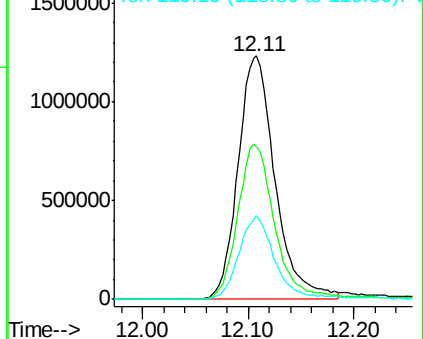
119 34.6 47.6 71.4#



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: 12.72 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL037273.D

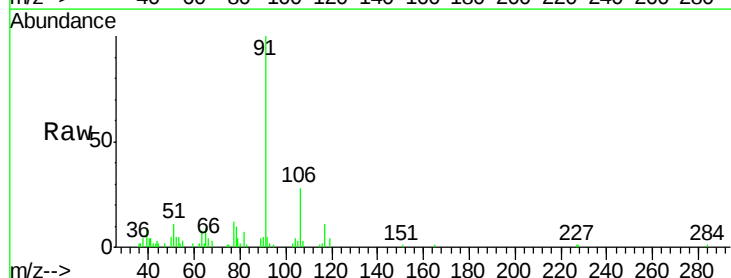
Acq: 2 Jul 2021 13:55

Tgt Ion: 91 Resp: 15194

Ion Ratio Lower Upper

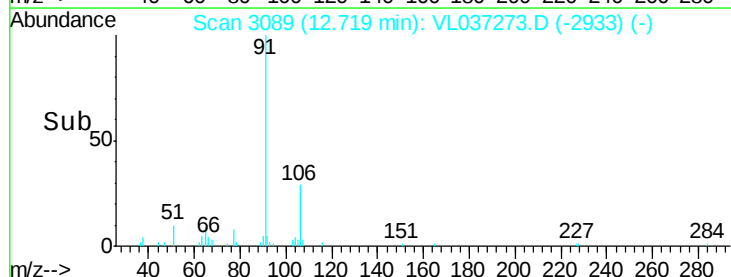
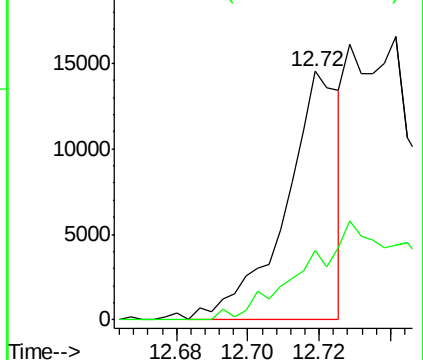
91 100

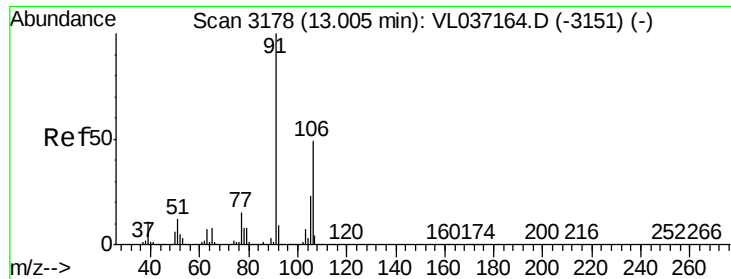
106 28.1 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

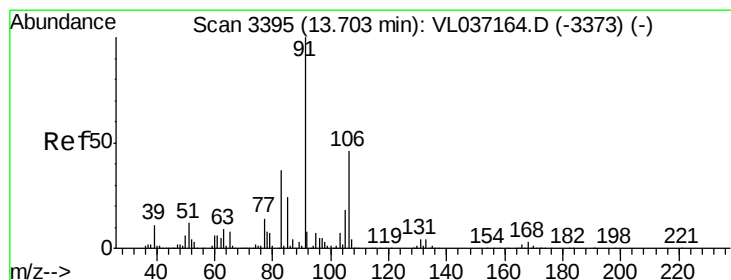
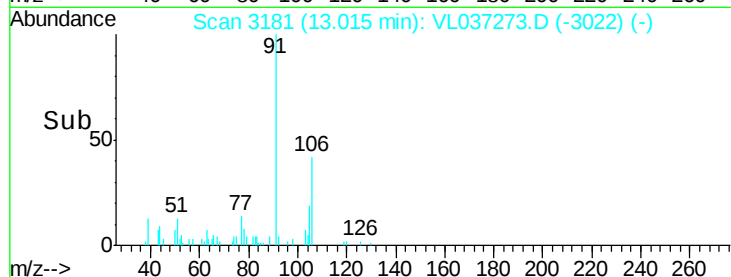
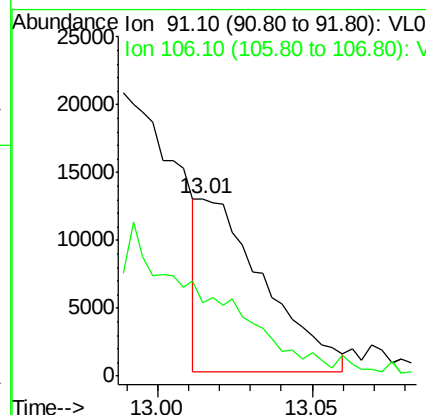
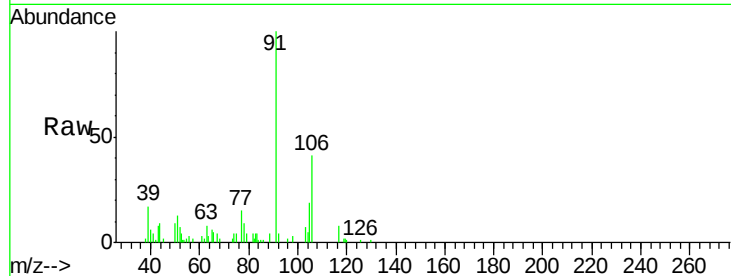




#59  
m/p-Xylene  
Concen: 0.054 ppbv  
RT: 13.01 min Scan# 3181  
Delta R.T. 0.01 min  
Lab File: VL037273.D  
Acq: 2 Jul 2021 13:55

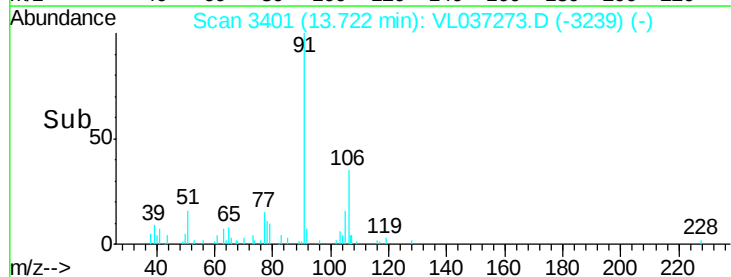
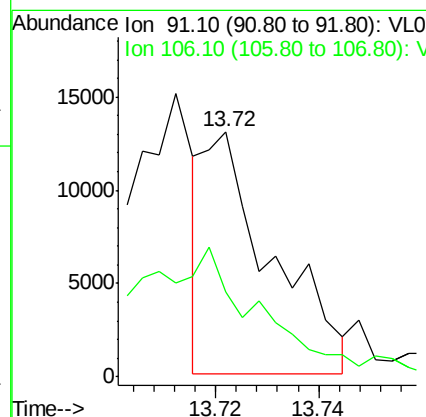
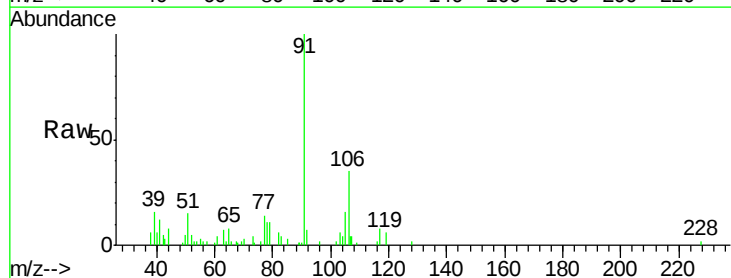
Instrument :  
MSVOA\_L  
ClientSampled :  
1DUP

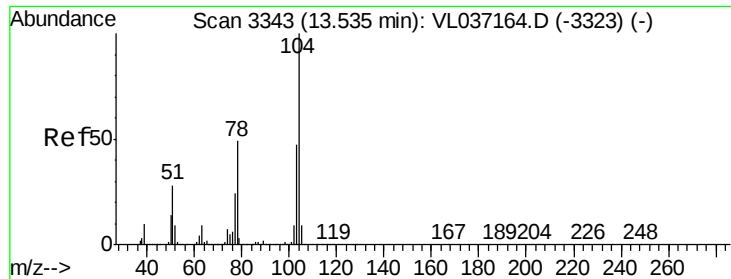
Tgt Ion: 91 Resp: 18796  
Ion Ratio Lower Upper  
91 100  
106 0.0 37.0 55.4#



#60  
o-Xylene  
Concen: 0.035 ppbv  
RT: 13.72 min Scan# 3401  
Delta R.T. 0.02 min  
Lab File: VL037273.D  
Acq: 2 Jul 2021 13:55

Tgt Ion: 91 Resp: 11751  
Ion Ratio Lower Upper  
91 100  
106 126.7 23.0 69.0#

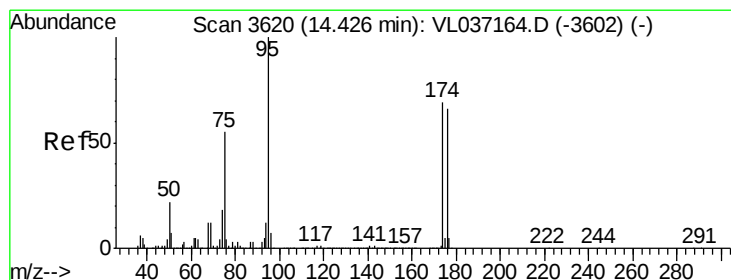
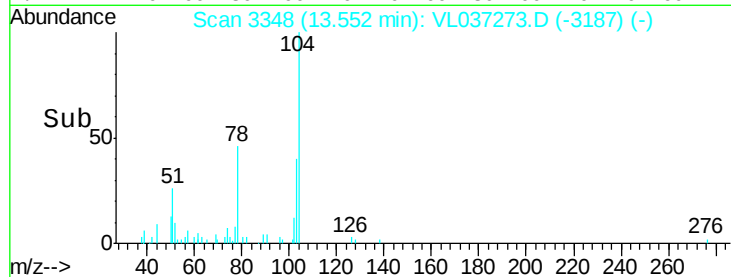
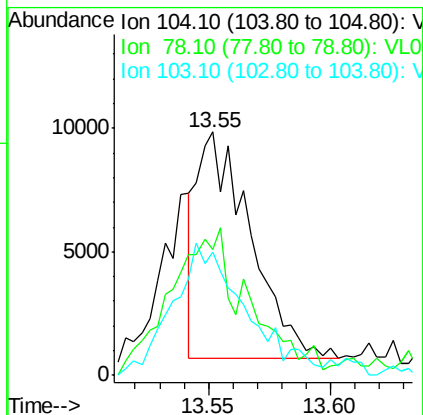
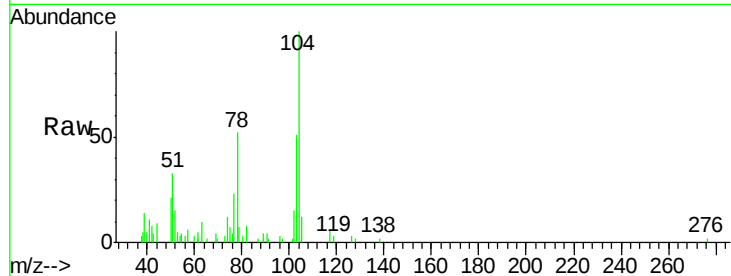




#61  
 Styrene  
 Concen: 0.080 ppbv  
 RT: 13.55 min Scan# 3348  
 Delta R.T. 0.02 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

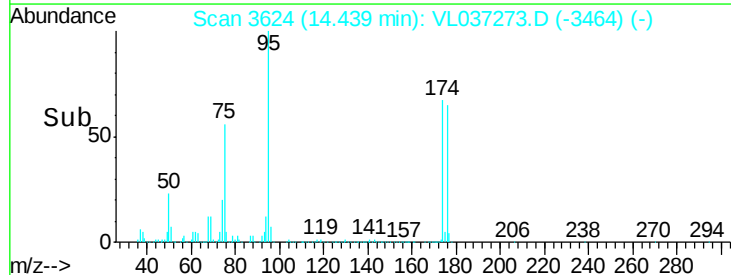
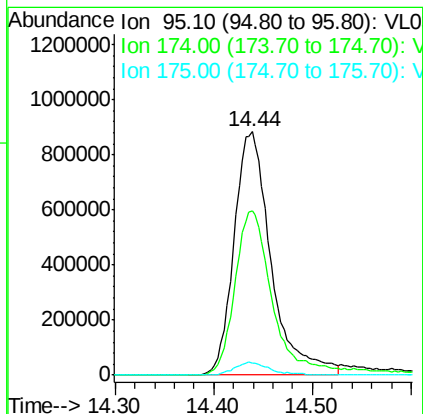
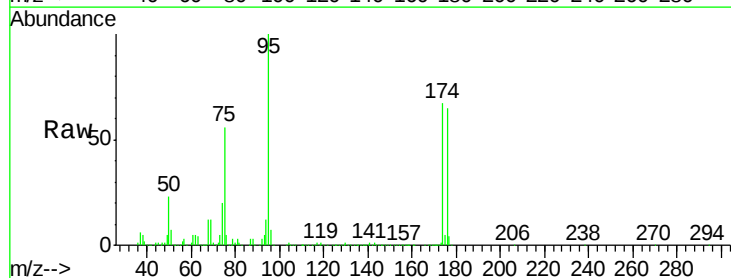
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

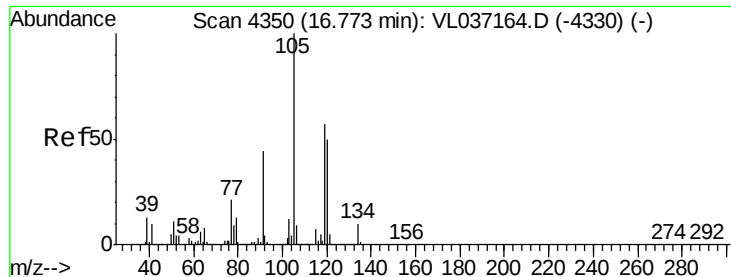
Tgt Ion: 104 Resp: 13829  
 Ion Ratio Lower Upper  
 104 100  
 78 95.8 39.7 59.5#  
 103 84.9 37.6 56.4#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.145 ppbv  
 RT: 14.44 min Scan# 3624  
 Delta R.T. 0.01 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Tgt Ion: 95 Resp: 2312615  
 Ion Ratio Lower Upper  
 95 100  
 174 71.9 57.0 85.4  
 175 5.3 4.4 6.6

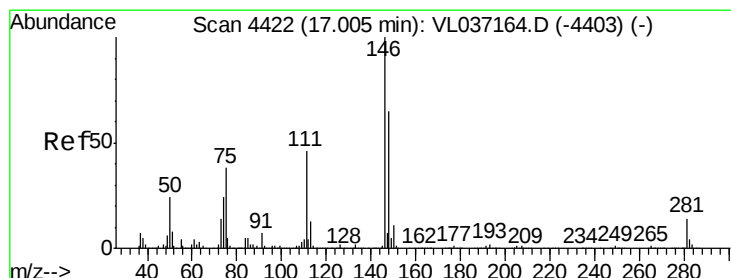
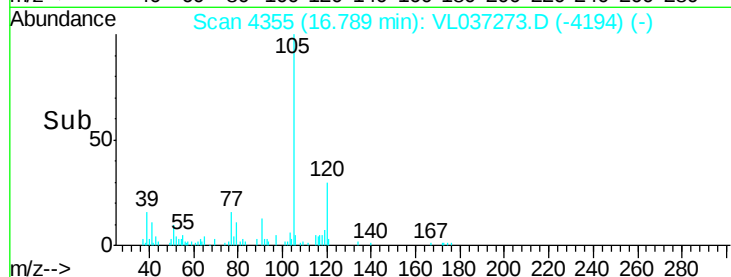
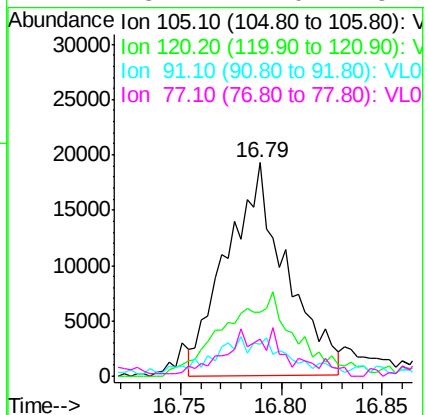
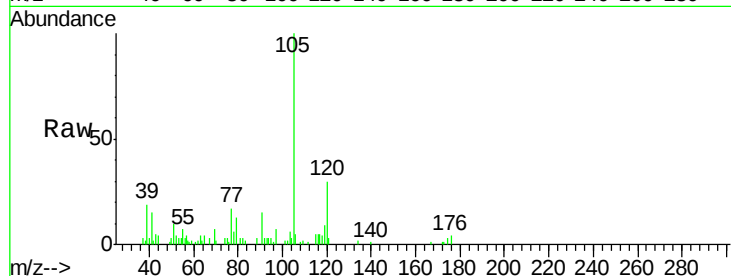




#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.104 ppbv  
 RT: 16.79 min Scan# 4355  
 Delta R.T. 0.02 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

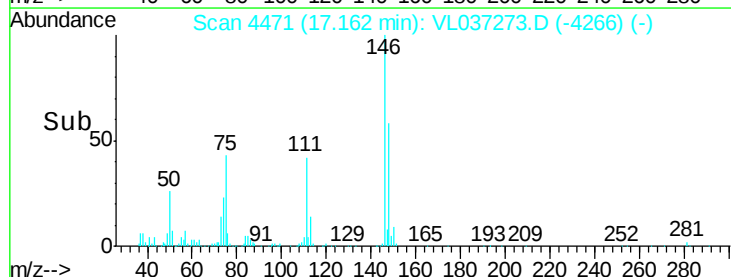
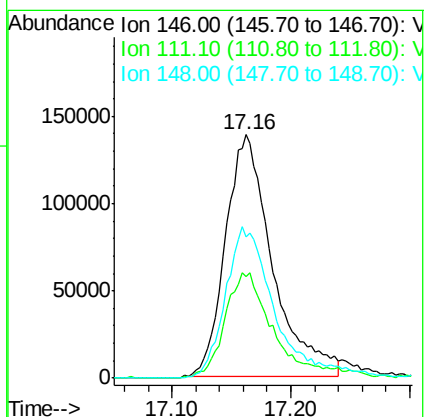
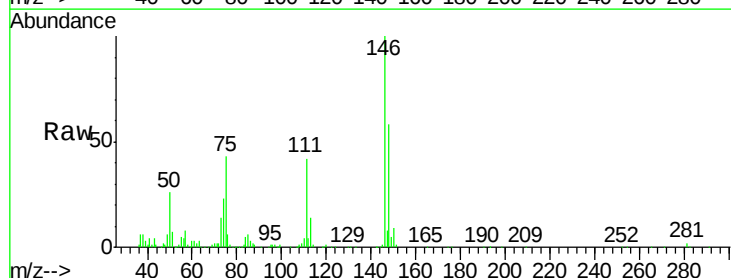
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

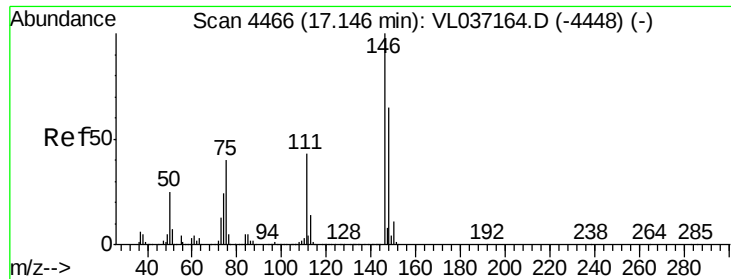
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 30.7  | 39.8  | 59.8# |
| 91      | 13.1  | 37.0  | 55.4# |
| 77      | 15.4  | 17.0  | 25.4# |



#75  
 1,3-Dichlorobenzene  
 Concen: 1.661 ppbv  
 RT: 17.16 min Scan# 4471  
 Delta R.T. 0.16 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 47.4  | 22.2  | 66.6  |
| 148     | 65.9  | 32.4  | 97.2  |





#76  
 1,4-Dichlorobenzene  
 Concen: 1.663 ppbv  
 RT: 17.16 min Scan# 4471  
 Delta R.T. 0.02 min  
 Lab File: VL037273.D  
 Acq: 2 Jul 2021 13:55

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DUP

Tgt Ion:146 Resp: 381899  
 Ion Ratio Lower Upper  
 146 100  
 111 46.7 22.7 68.0  
 148 66.1 33.7 101.1

