

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\  
 Data File : VL037201.D  
 Acq On : 17 Jun 2021 14:43  
 Operator : SY/AP  
 Sample : M2721-02DL 4X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-PLAYROOM-2DL

Quant Time: Jun 18 01:22:06 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed 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   | 5.67  | 49   | 1421272  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 4134673  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3661706  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2824738  | 10.18    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.80% |

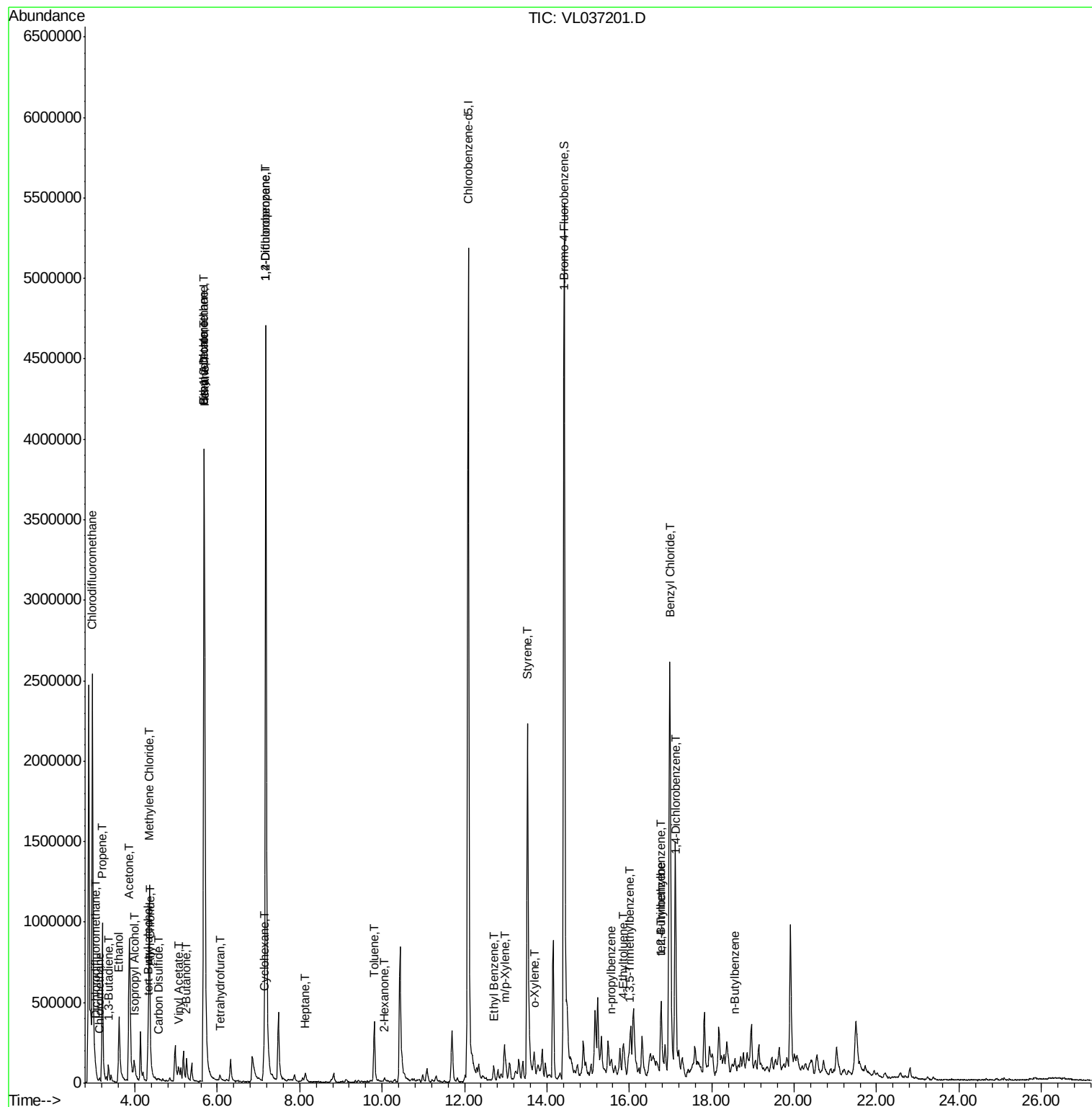
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.05  | 85   | 27180    | 0.110  | ppbv   | 98     |
| 3) Chlorodifluoromethane   | 2.97  | 51   | 2159323  | 7.813  | ppbv # | 57     |
| 4) Chloromethane           | 3.14  | 50   | 10804    | 0.117  | ppbv   | 98     |
| 9) Propene                 | 3.21  | 41   | 341742   | 3.867  | ppbv   | 99     |
| 10) Heptane                | 8.13  | 43   | 8084     | 0.038  | ppbv # | 8      |
| 13) Ethanol                | 3.61  | 45   | 565942   | 41.402 | ppbv   | 50     |
| 15) Acetone                | 3.85  | 43   | 1284190  | 8.012  | ppbv   | 95     |
| 16) 1,3-Butadiene          | 3.36  | 39   | 12241    | 0.129  | ppbv # | 18     |
| 17) tert-Butyl alcohol     | 4.31  | 59   | 52856    | 0.357  | ppbv # | 60     |
| 19) Isopropyl Alcohol      | 3.98  | 45   | 142953   | 1.473  | ppbv # | 1      |
| 20) Methylene Chloride     | 4.35  | 84   | 530151   | 5.525  | ppbv   | 95     |
| 21) Allyl Chloride         | 4.38  | 41   | 4463     | 0.037  | ppbv # | 18     |
| 23) Vinyl Acetate          | 5.08  | 43   | 16522    | 0.072  | ppbv # | 64     |
| 25) Ethyl Acetate          | 5.68  | 43   | 1444582  | 4.163  | ppbv # | 96     |
| 26) Hexane                 | 5.69  | 57   | 892562   | 5.090  | ppbv   | 84     |
| 27) Carbon Disulfide       | 4.56  | 76   | 7166     | 0.042  | ppbv # | 49     |
| 30) Cyclohexane            | 7.13  | 84   | 72263    | 0.495  | ppbv # | 89     |
| 31) cis-1,2-Dichloroethene | 5.68  | 61   | 107463   | 0.667  | ppbv # | 25     |
| 34) 2-Butanone             | 5.25  | 43   | 159893   | 0.994  | ppbv # | 87     |
| 39) 1,2-Dichloropropane    | 7.18  | 63   | 992835   | 7.991  | ppbv # | 23     |
| 41) Tetrahydrofuran        | 6.06  | 42   | 9475     | 0.127  | ppbv # | 55     |
| 51) 2-Hexanone             | 10.06 | 43   | 3789     | 0.035  | ppbv # | 65     |
| 53) Toluene                | 9.81  | 91   | 302091   | 0.756  | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.71 | 91   | 76378    | 0.152  | ppbv # | 81     |
| 59) m/p-Xylene             | 12.99 | 91   | 82724    | 0.194  | ppbv # | 30     |
| 60) o-Xylene               | 13.70 | 91   | 104259   | 0.256  | ppbv   | 100    |
| 61) Styrene                | 13.53 | 104  | 1388699  | 6.615  | ppbv   | 96     |
| 64) n-propylbenzene        | 15.56 | 120  | 7804     | 0.054  | ppbv # | 1      |
| 65) tert-Butylbenzene      | 16.76 | 119  | 14686    | 0.029  | ppbv # | 20     |
| 66) Benzyl Chloride        | 16.99 | 91   | 516      | 0.024  | ppbv # | 63     |
| 70) n-Butylbenzene         | 18.55 | 91   | 14796    | 0.028  | ppbv # | 32     |
| 72) 4-Ethyltoluene         | 15.84 | 105  | 33882    | 0.073  | ppbv # | 60     |
| 73) 1,3,5-Trimethylbenzene | 16.00 | 105  | 36263    | 0.081  | ppbv   | 94     |
| 74) 1,2,4-Trimethylbenzene | 16.77 | 105  | 199387   | 0.433  | ppbv # | 75     |
| 76) 1,4-Dichlorobenzene    | 17.14 | 146  | 7085     | 0.025  | ppbv # | 1      |

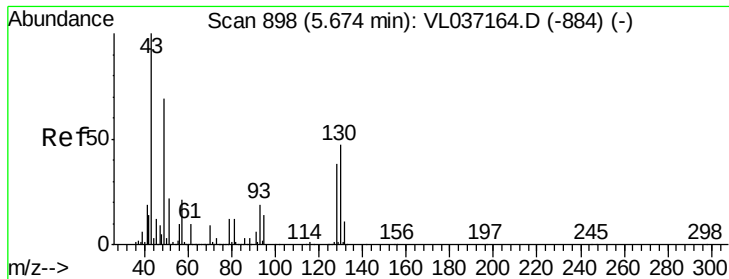
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\  
Data File : VL037201.D  
Acq On : 17 Jun 2021 14:43  
Operator : SY/AP  
Sample : M2721-02DL 4X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-PLAYROOM-2DL

Quant Time: Jun 18 01:22:06 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

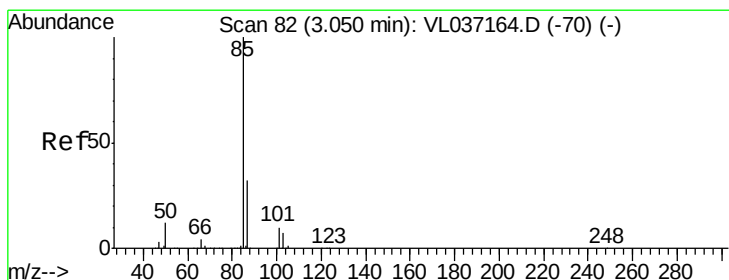
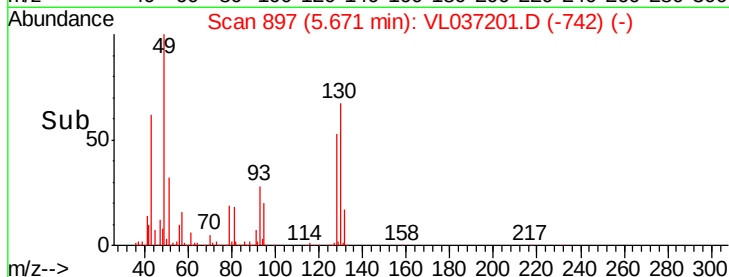
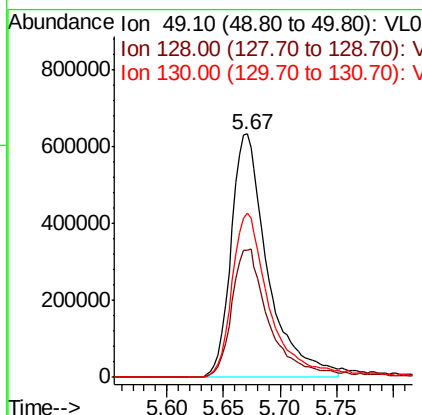
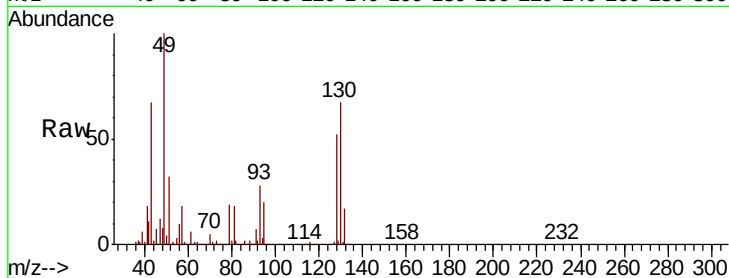




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.67 min Scan# 897  
 Delta R.T. -0.00 min  
 Lab File: VL037201.D  
 Acq: 17 Jun 2021 14:43

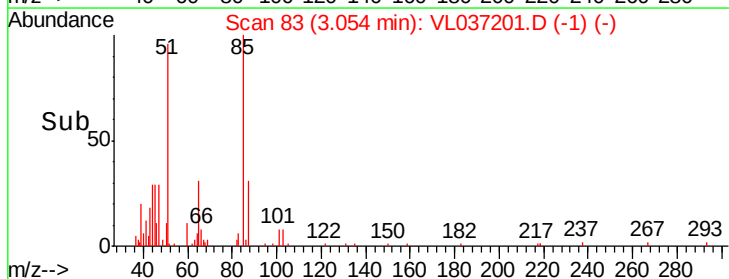
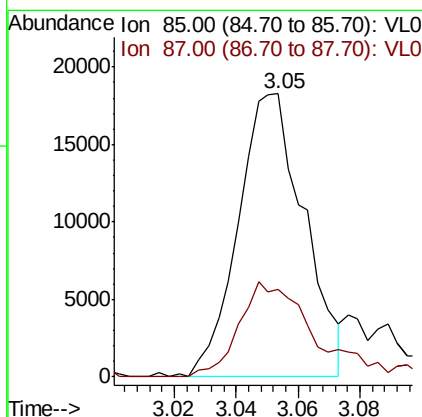
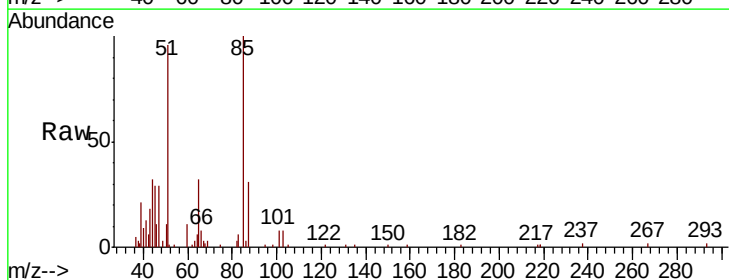
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-PLAYROOM-2DL

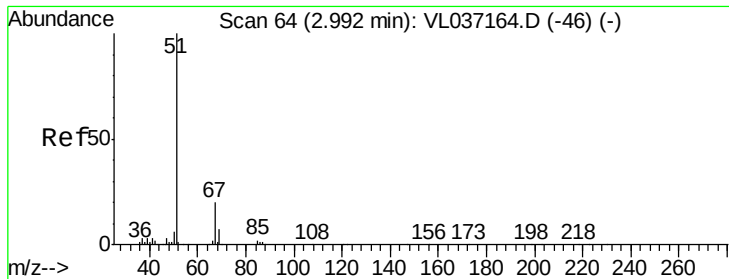
Tot Ion: 49 Resp: 1421272  
 Ion Ratio Lower Upper  
 49 100  
 128 56.0 29.3 88.0  
 130 72.2 35.9 107.8



#2  
 Dichlorodifluoromethane  
 Concen: 0.110 ppbv  
 RT: 3.05 min Scan# 83  
 Delta R.T. 0.00 min  
 Lab File: VL037201.D  
 Acq: 17 Jun 2021 14:43

Tgt Ion: 85 Resp: 27180  
 Ion Ratio Lower Upper  
 85 100  
 87 30.9 25.8 38.6





#3

Chlorodifluoromethane

Concen: 7.813 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.03 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

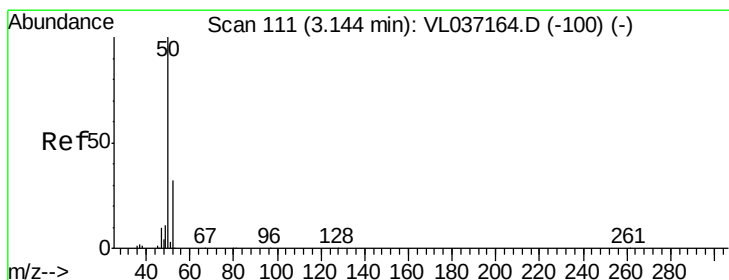
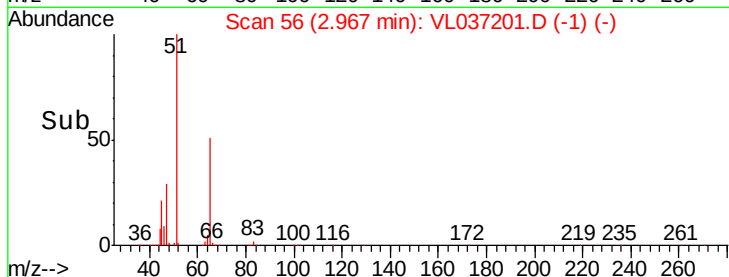
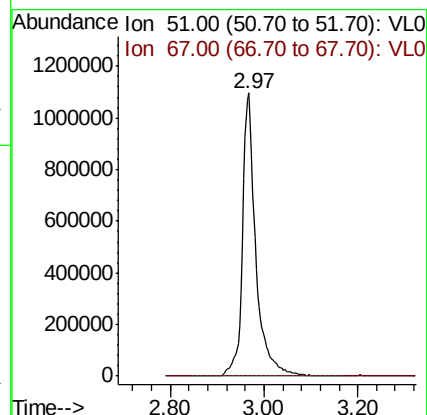
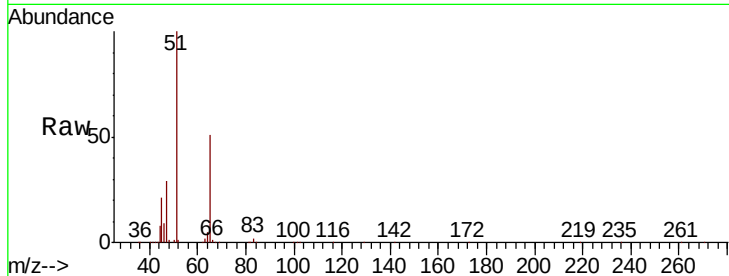
IA-PLAYROOM-2DL

Tot Ion: 51 Resp: 2159323

Ion Ratio Lower Upper

51 100

67 0.2 15.8 23.6#



#4

Chloromethane

Concen: 0.117 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037201.D

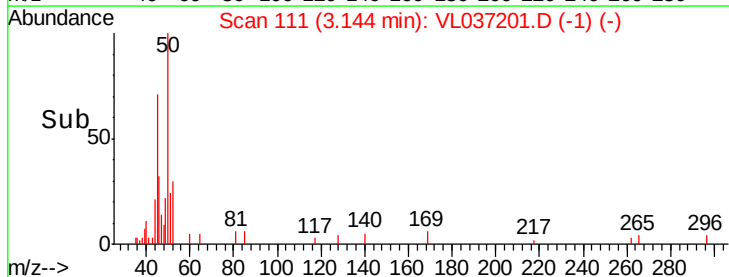
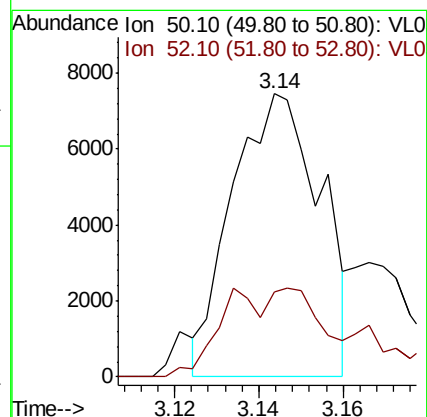
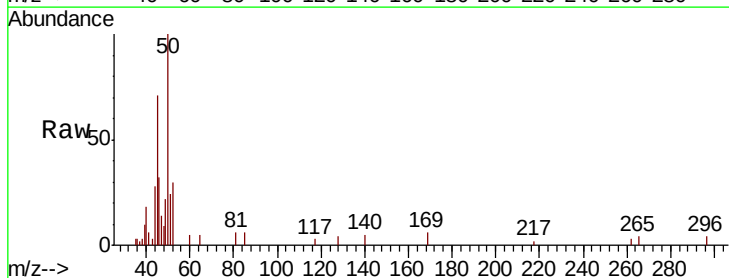
Acq: 17 Jun 2021 14:43

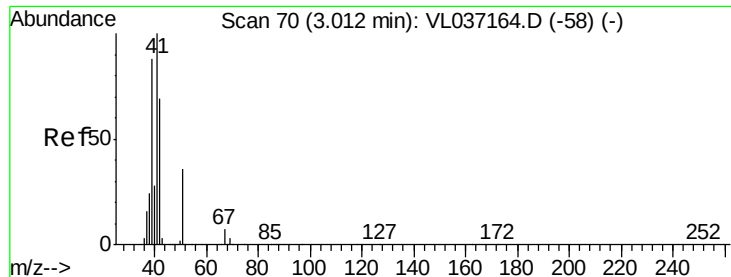
Tgt Ion: 50 Resp: 10804

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.8





#9

Propene

Concen: 3.867 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.20 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

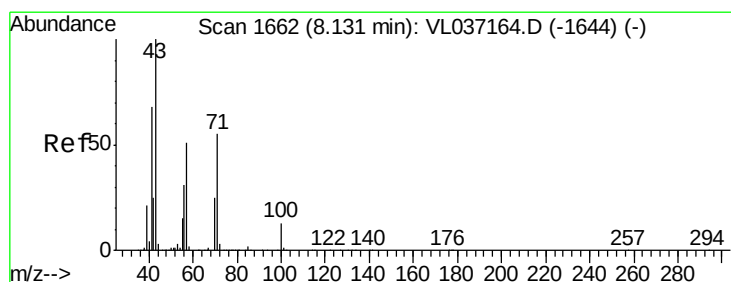
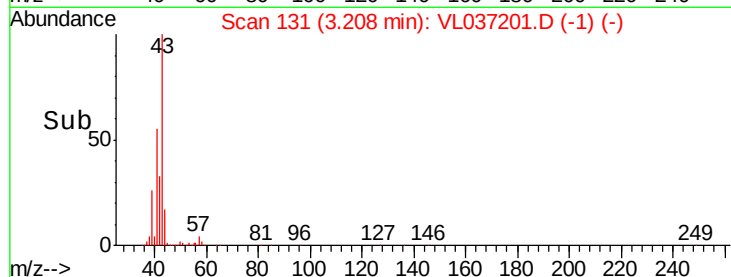
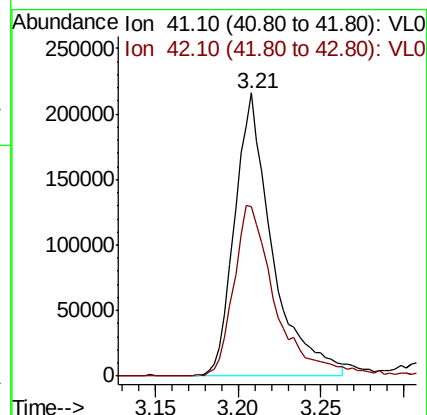
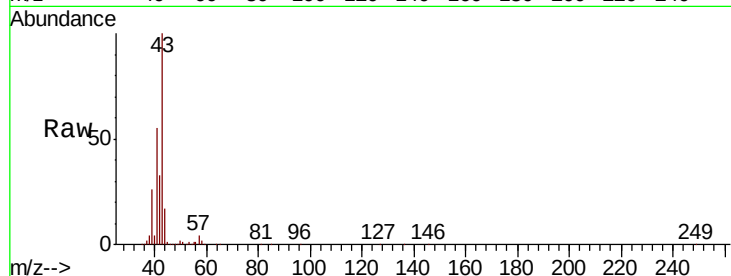
IA-PLAYROOM-2DL

Tot Ion: 41 Resp: 341742

Ion Ratio Lower Upper

41 100

42 67.4 54.5 81.7



#10

Heptane

Concen: 0.038 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL037201.D

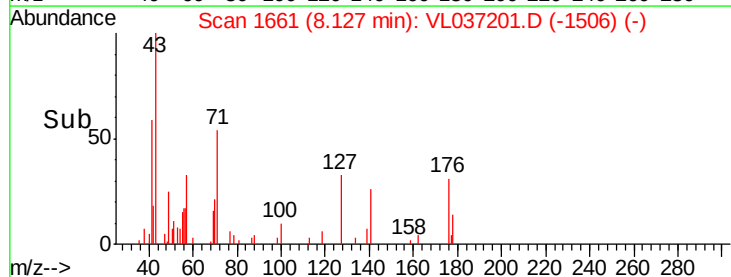
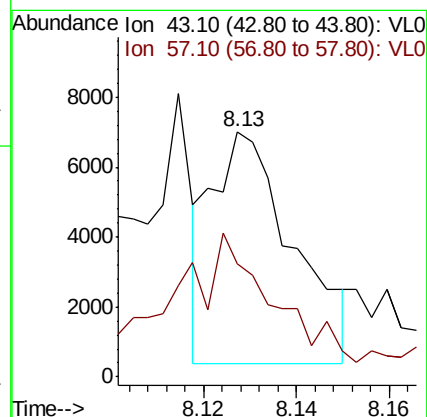
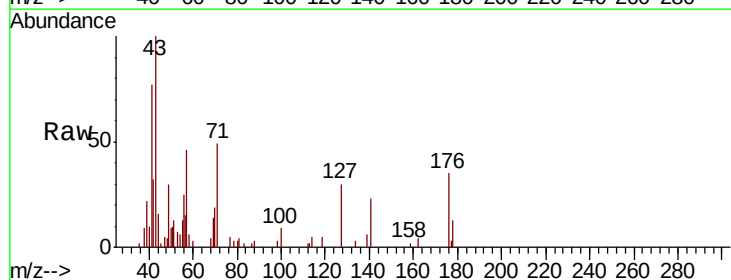
Acq: 17 Jun 2021 14:43

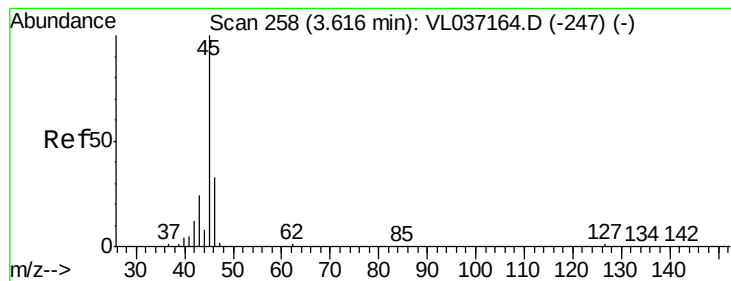
Tgt Ion: 43 Resp: 8084

Ion Ratio Lower Upper

43 100

57 114.7 40.6 61.0#





#13

Ethanol

Concen: 41.402 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

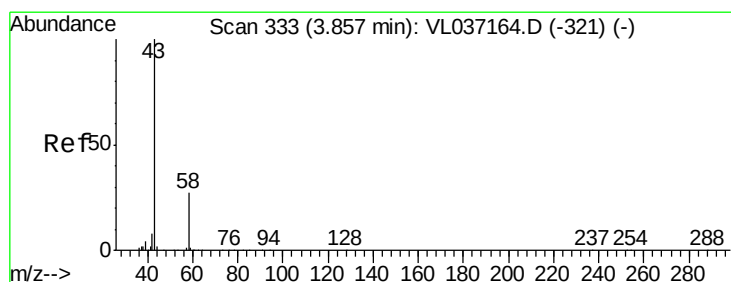
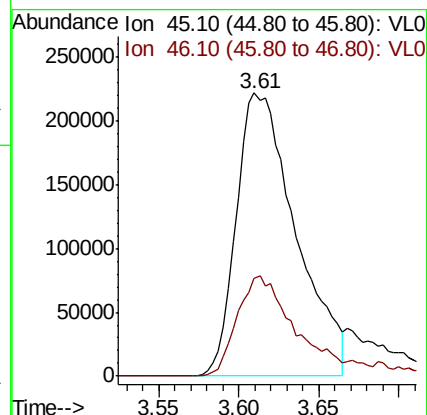
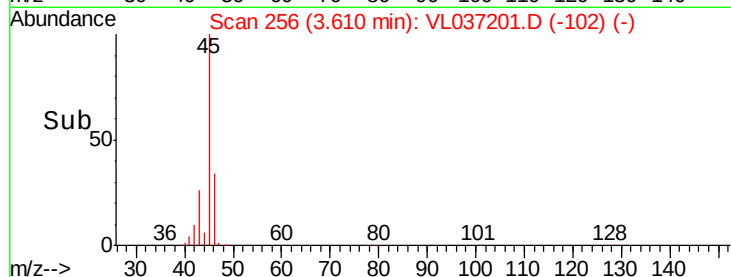
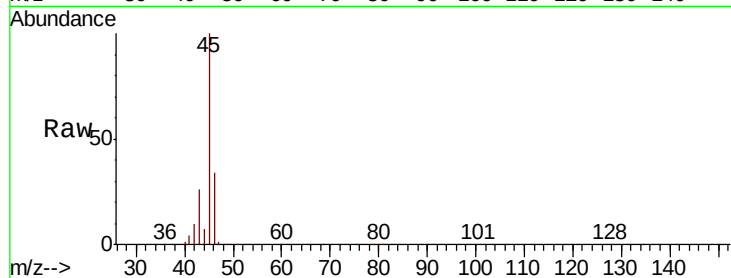
IA-PLAYROOM-2DL

Tot Ion: 45 Resp: 565942

Ion Ratio Lower Upper

45 100

46 40.0 34.2 137.0



#15

Acetone

Concen: 8.012 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037201.D

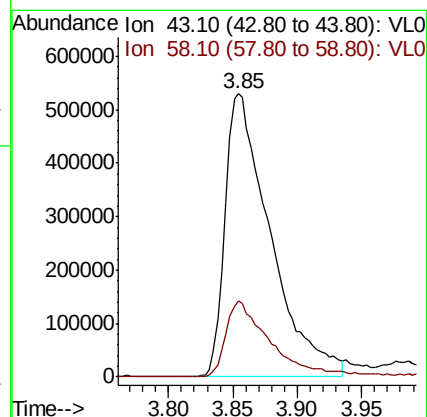
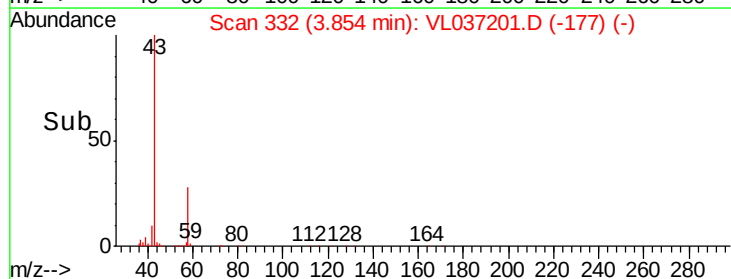
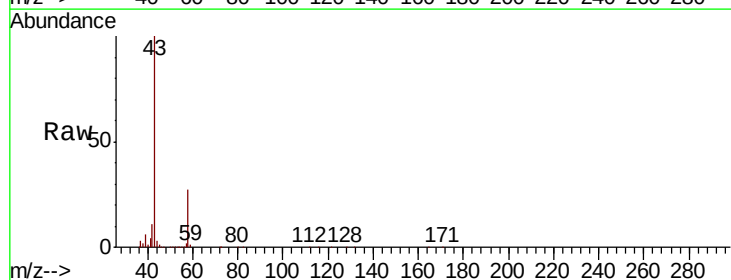
Acq: 17 Jun 2021 14:43

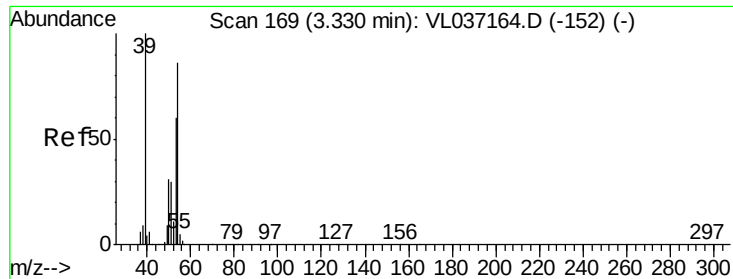
Tgt Ion: 43 Resp: 1284190

Ion Ratio Lower Upper

43 100

58 27.1 23.7 35.5

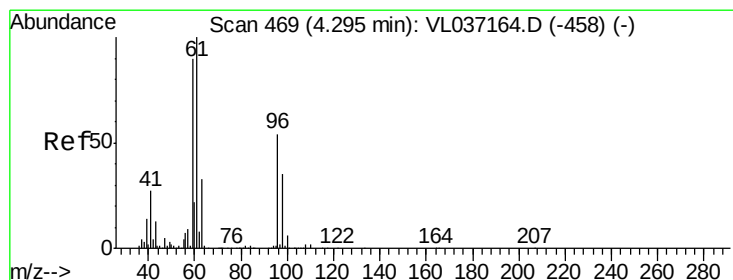
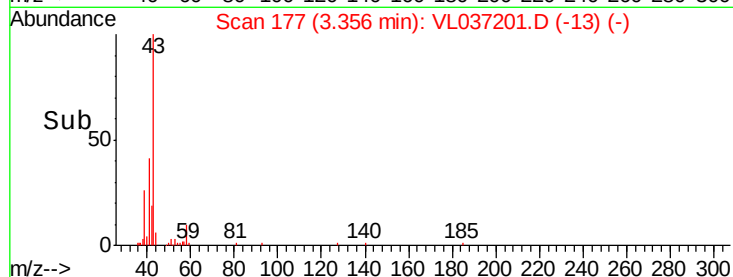
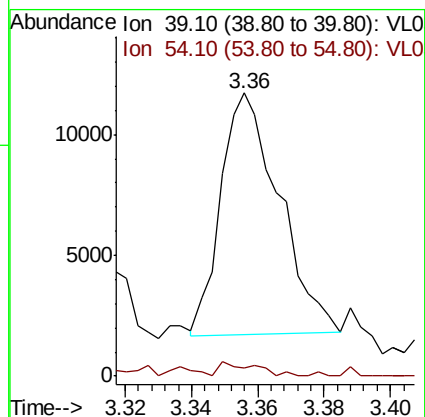
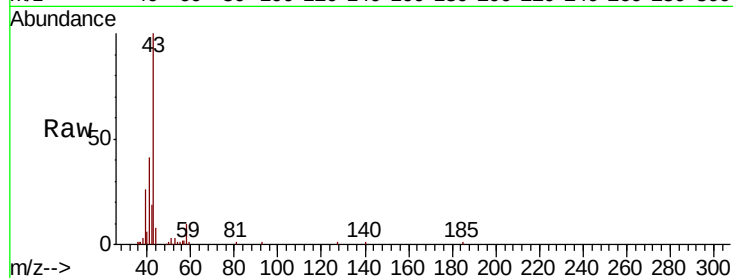




#16  
1,3-Butadiene  
Concen: 0.129 ppbv  
RT: 3.36 min Scan# 177  
Delta R.T. 0.03 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

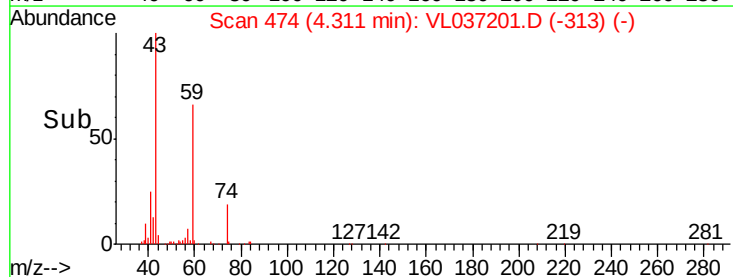
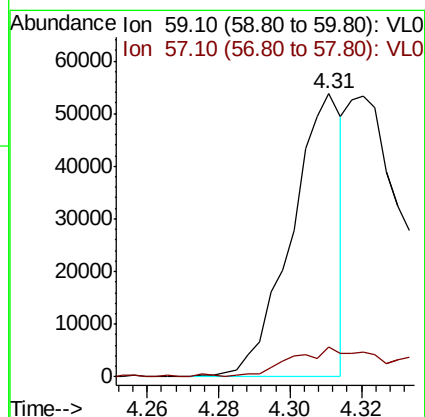
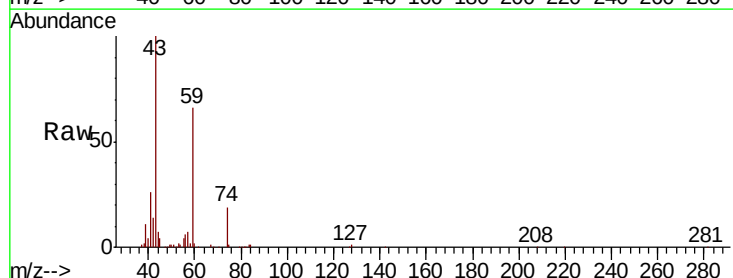
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-PLAYROOM-2DL

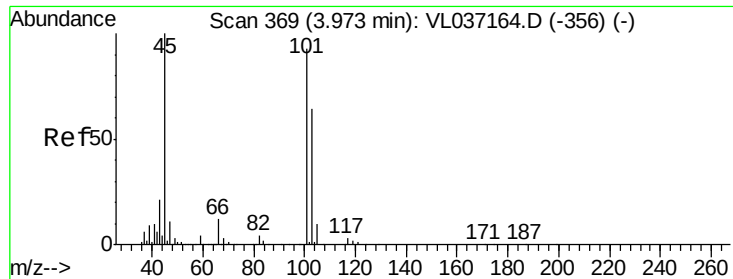
Tot Ion: 39 Resp: 12241  
Ion Ratio Lower Upper  
39 100  
54 6.2 61.2 91.8#



#17  
tert-Butyl alcohol  
Concen: 0.357 ppbv  
RT: 4.31 min Scan# 474  
Delta R.T. 0.02 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Tgt Ion: 59 Resp: 52856  
Ion Ratio Lower Upper  
59 100  
57 26.0 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 1.473 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

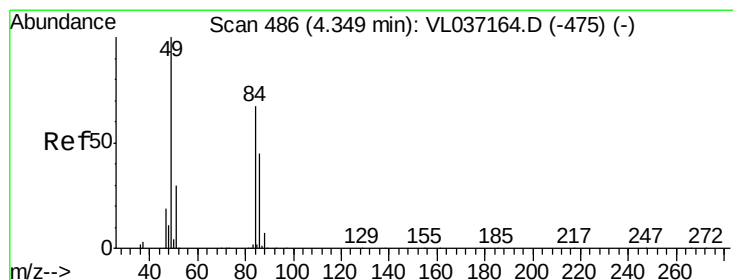
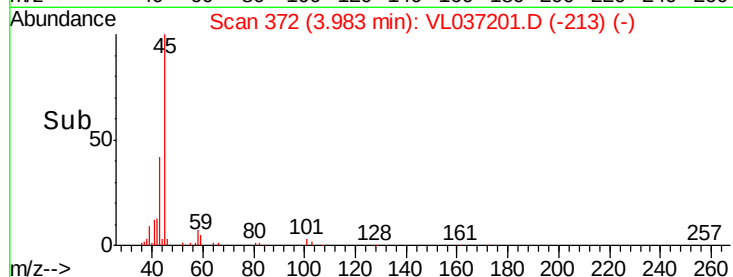
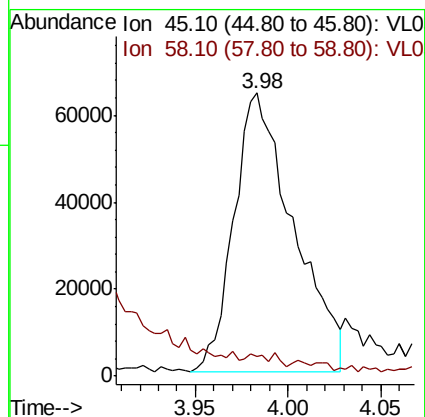
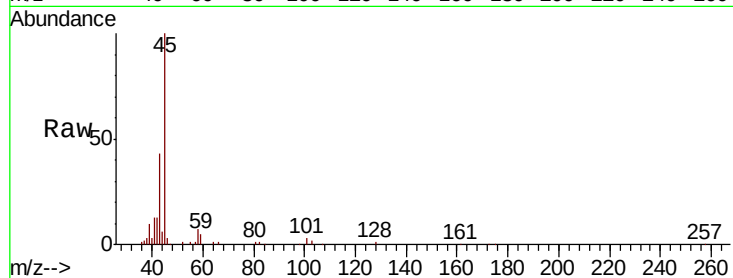
IA-PLAYROOM-2DL

Tot Ion: 45 Resp: 142953

Ion Ratio Lower Upper

45 100

58 243.0 2.4 3.6#



#20

Methylene Chloride

Concen: 5.525 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Tgt Ion: 84 Resp: 530151

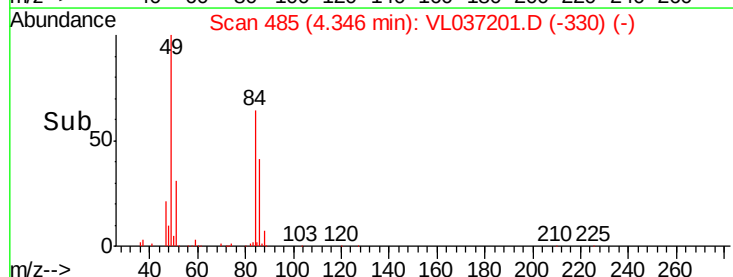
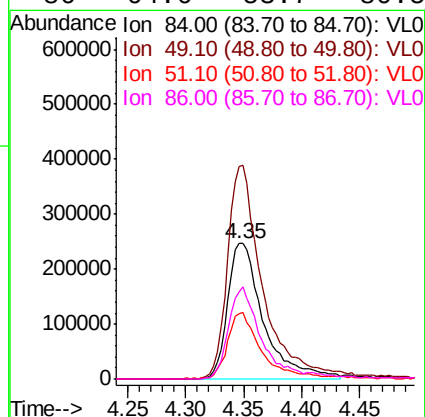
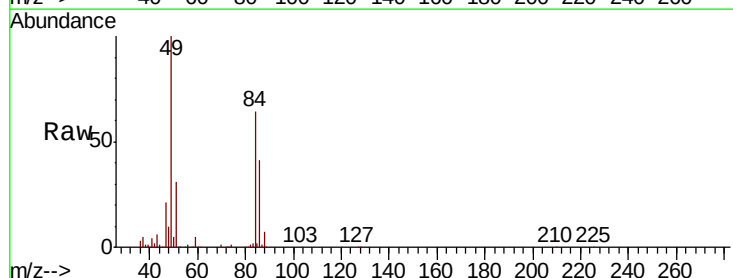
Ion Ratio Lower Upper

84 100

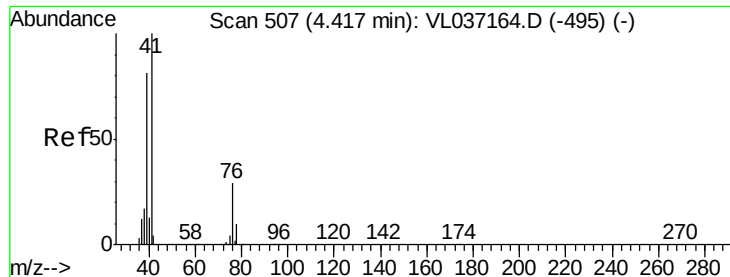
49 156.8 119.7 179.5

51 47.6 36.1 54.1

86 64.6 53.7 80.5



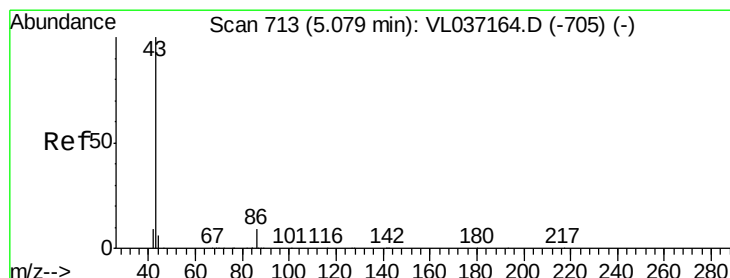
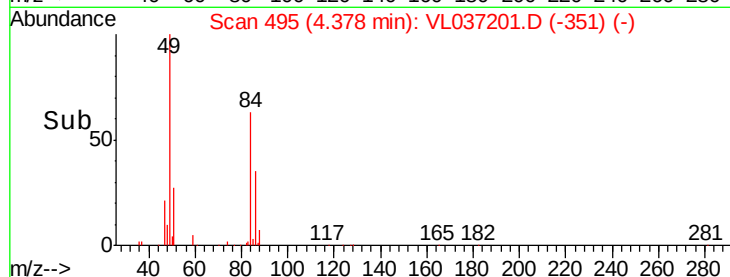
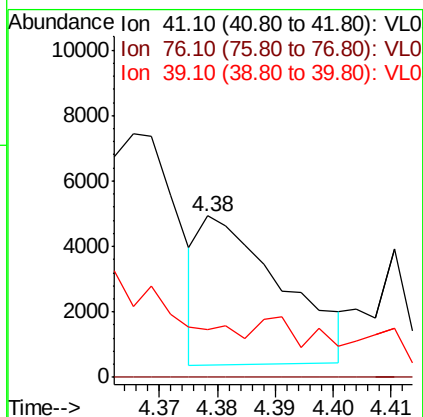
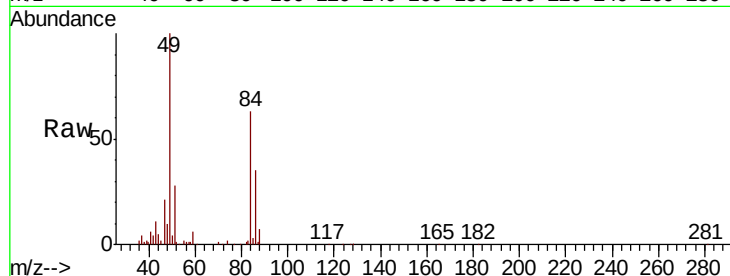




#21  
Allvl Chloride  
Concen: 0.037 ppbv  
RT: 4.38 min Scan# 495  
Delta R.T. -0.04 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

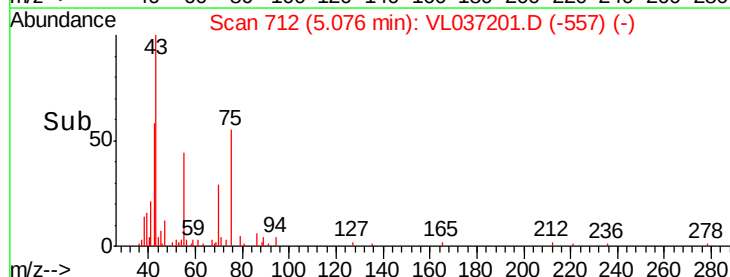
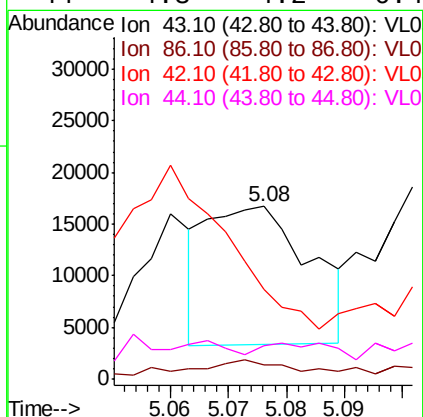
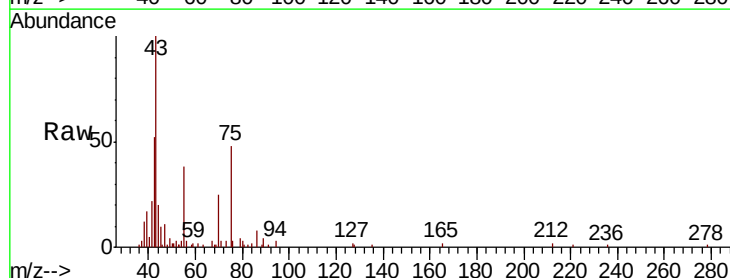
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-PLAYROOM-2DL

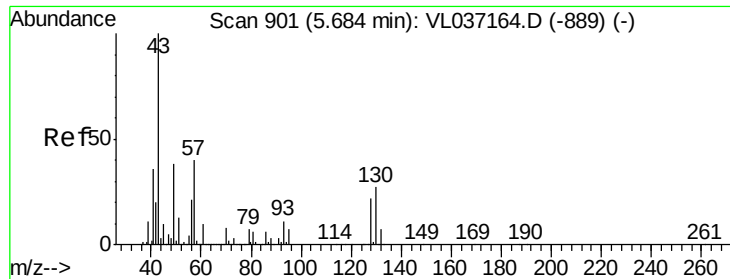
Tot Ion: 41 Resp: 4463  
Ion Ratio Lower Upper  
41 100  
76 0.0 24.6 37.0#  
39 0.0 65.4 98.0#



#23  
Vinyl Acetate  
Concen: 0.072 ppbv  
RT: 5.08 min Scan# 712  
Delta R.T. -0.00 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Tgt Ion: 43 Resp: 16522  
Ion Ratio Lower Upper  
43 100  
86 10.3 5.8 8.8#  
42 37.3 8.2 12.2#  
44 4.3 4.2 6.4



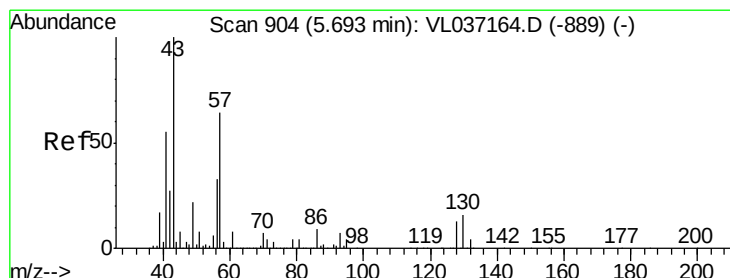
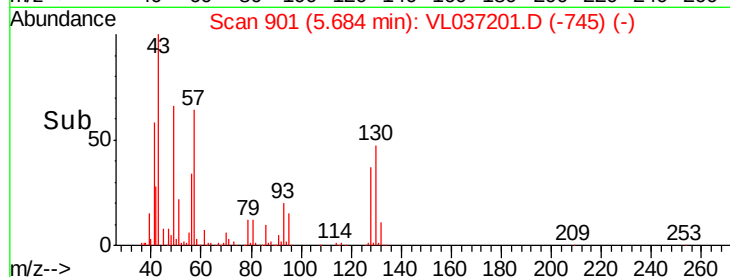
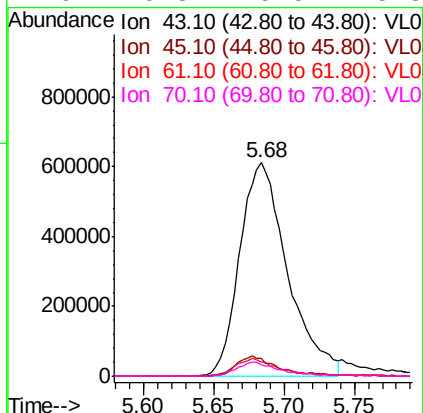
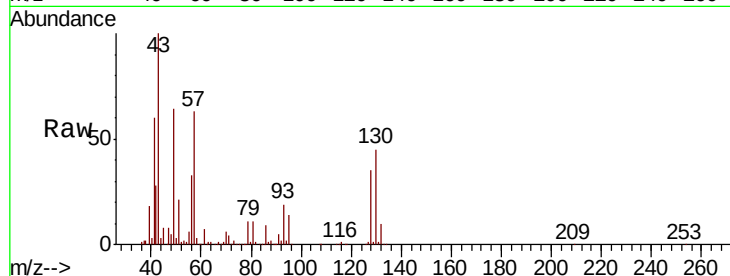


#25  
Ethyl Acetate  
Concen: 4.163 ppbv  
RT: 5.68 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-PLAYROOM-2DL

Tot Ion: 43 Resp: 1444582

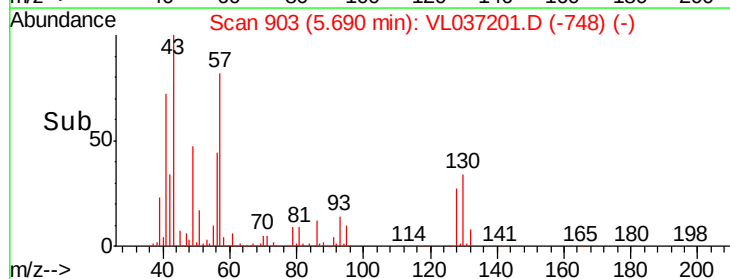
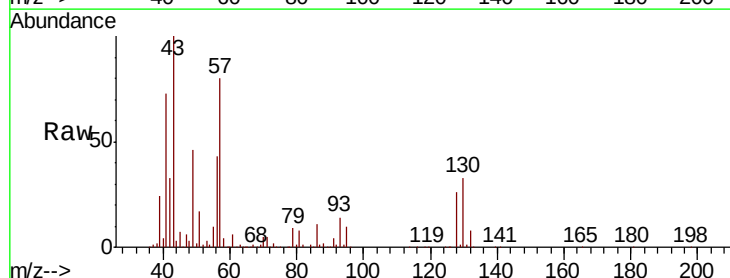
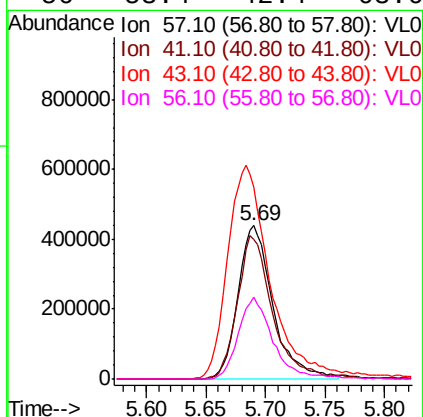
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 8.9   | 8.0   | 12.0  |
| 61  | 7.9   | 8.1   | 12.1# |
| 70  | 6.3   | 5.5   | 8.3   |

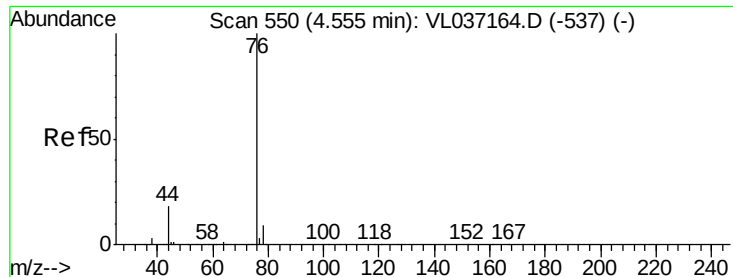


#26  
Hexane  
Concen: 5.090 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. -0.00 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Tgt Ion: 57 Resp: 892562

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 95.6  | 73.5  | 110.3 |
| 43  | 173.3 | 170.7 | 256.1 |
| 56  | 53.4  | 42.4  | 63.6  |





#27

Carbon Disulfide

Concen: 0.042 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

IA-PLAYROOM-2DL

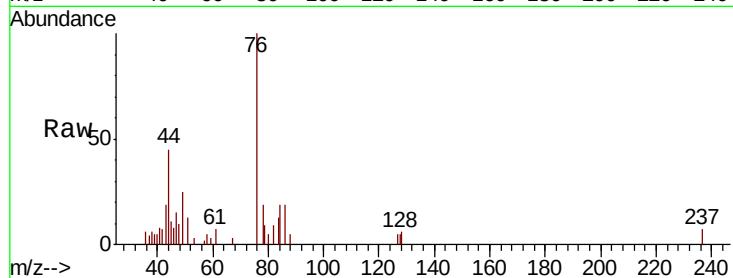
Tot Ion: 76 Resp: 7166

Ion Ratio Lower Upper

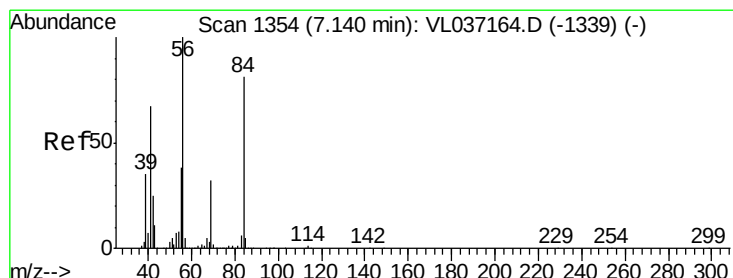
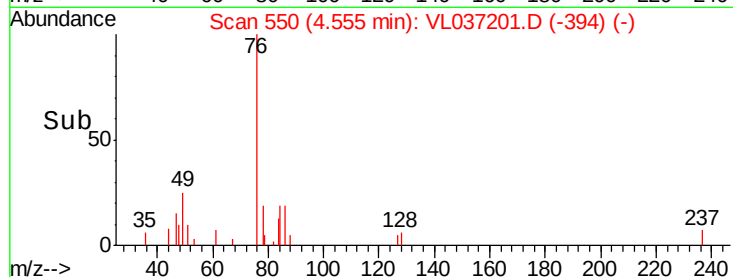
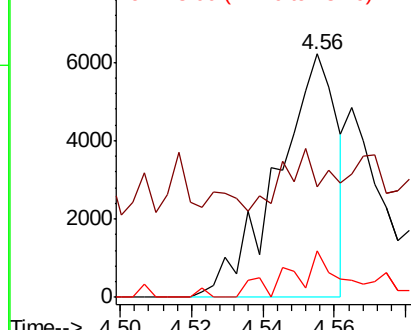
76 100

44 46.5 15.4 23.2#

78 22.4 8.0 12.0#



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



#30

Cyclohexane

Concen: 0.495 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

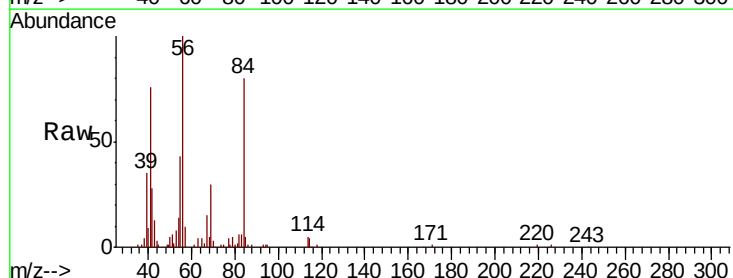
Tgt Ion: 84 Resp: 72263

Ion Ratio Lower Upper

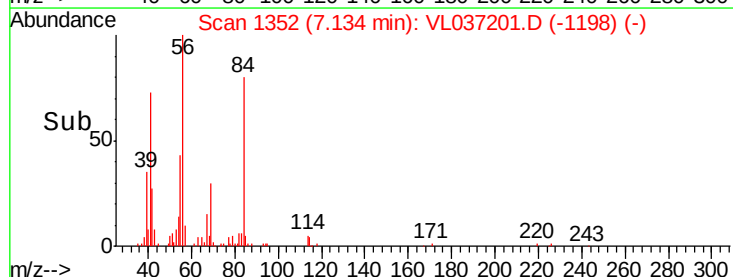
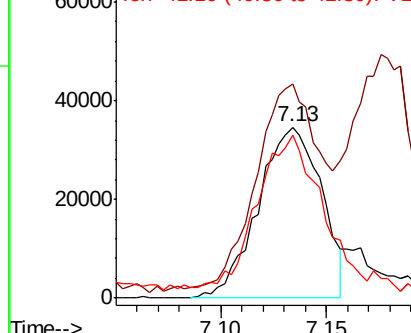
84 100

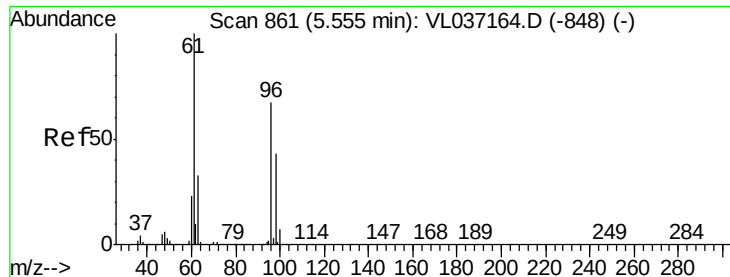
56 126.6 107.7 161.5

41 103.7 69.0 103.6#



Abundance Ion 84.20 (83.90 to 84.90): VL0  
Ion 56.10 (55.80 to 56.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.667 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.12 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

IA-PLAYROOM-2DL

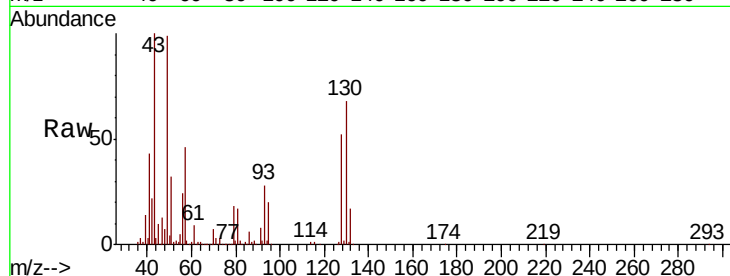
Tot Ion: 61 Resp: 107463

Ion Ratio Lower Upper

61 100

96 2.7 53.6 80.4#

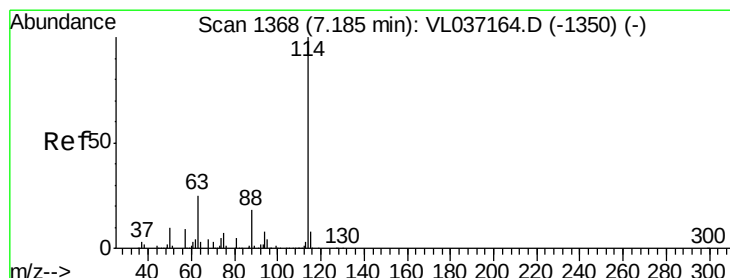
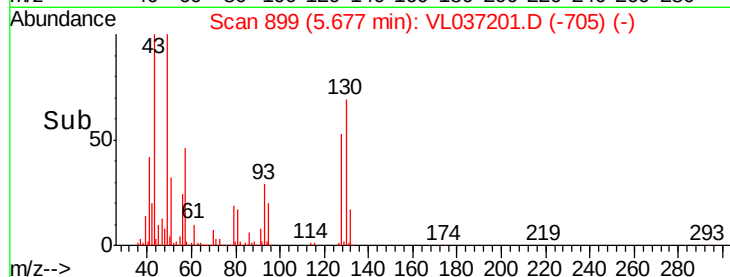
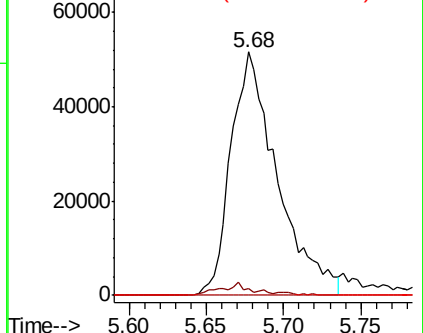
98 0.0 34.7 52.1#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

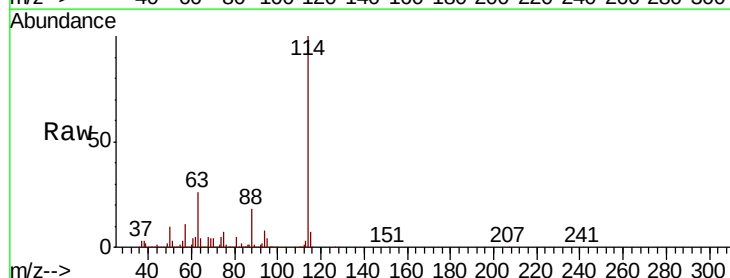
Tgt Ion: 114 Resp: 4134673

Ion Ratio Lower Upper

114 100

63 24.8 19.6 29.4

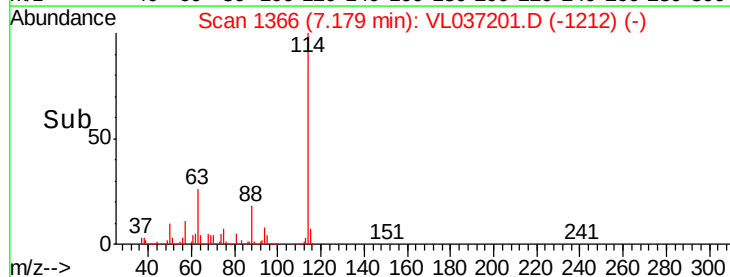
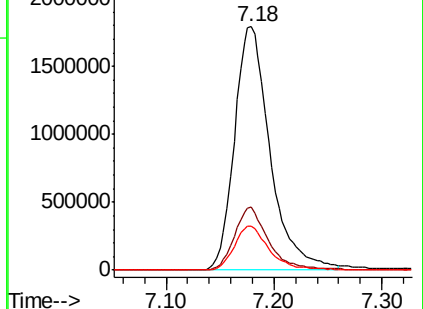
88 18.0 14.2 21.2

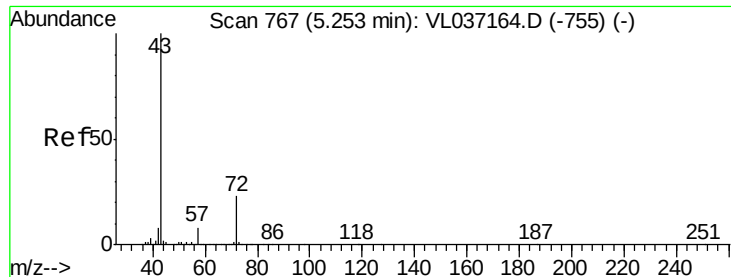


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

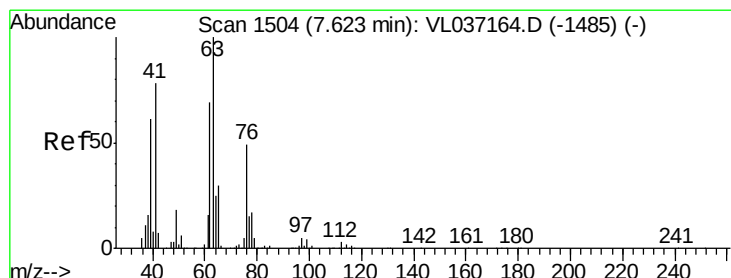
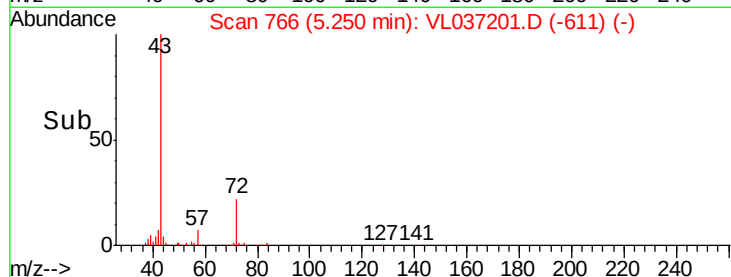
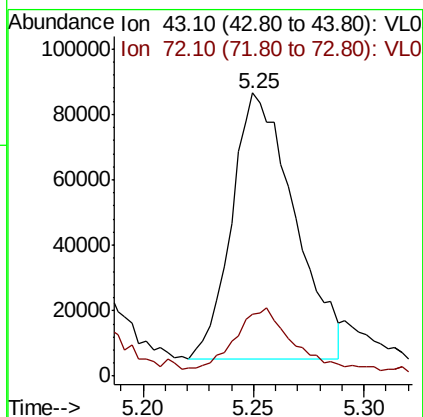
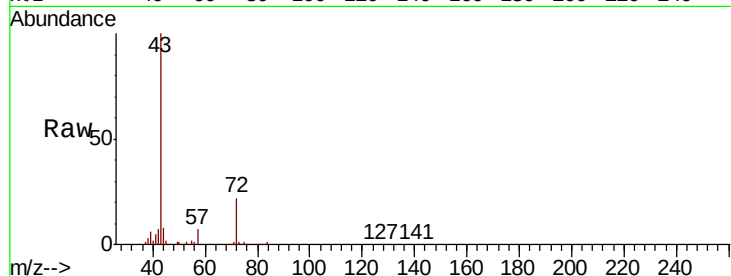




#34  
 2-Butanone  
 Concen: 0.994 ppbv  
 RT: 5.25 min Scan# 766  
 Delta R.T. -0.00 min  
 Lab File: VL037201.D  
 Acq: 17 Jun 2021 14:43

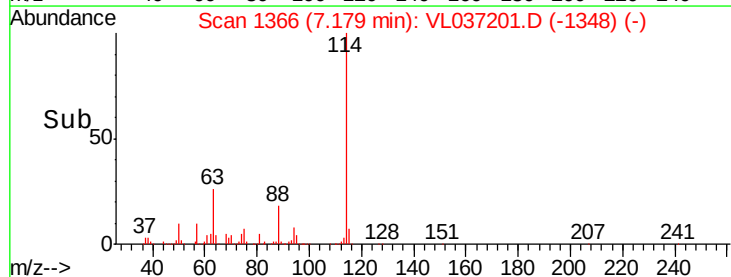
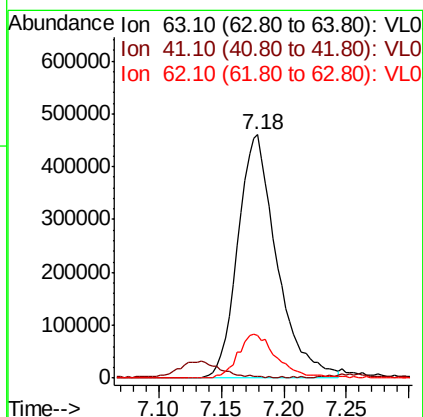
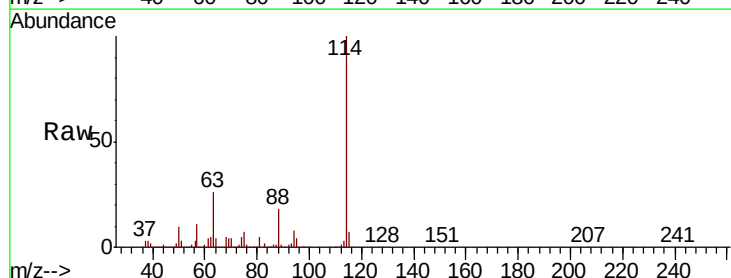
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-PLAYROOM-2DL

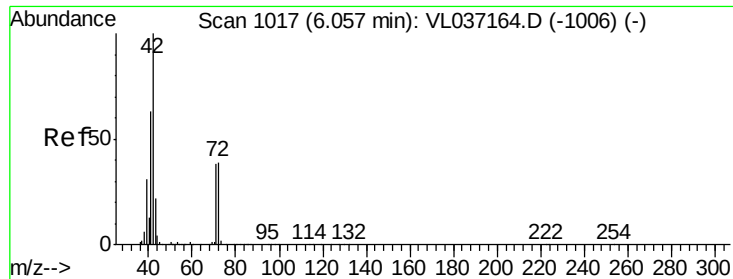
Tot Ion: 43 Resp: 159893  
 Ion Ratio Lower Upper  
 43 100  
 72 30.1 18.9 28.3#



#39  
 1,2-Dichloropropane  
 Concen: 7.991 ppbv  
 RT: 7.18 min Scan# 1366  
 Delta R.T. -0.44 min  
 Lab File: VL037201.D  
 Acq: 17 Jun 2021 14:43

Tgt Ion: 63 Resp: 992835  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 62.0 93.0#  
 62 17.7 54.9 82.3#





#41

Tetrahydrofuran

Concen: 0.127 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

IA-PLAYROOM-2DL

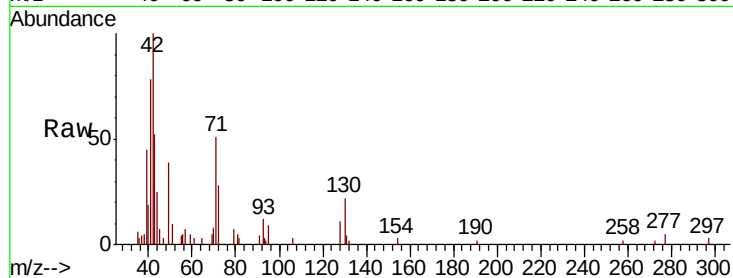
Tot Ion: 42 Resp: 9475

Ion Ratio Lower Upper

42 100

72 71.9 33.0 49.4#

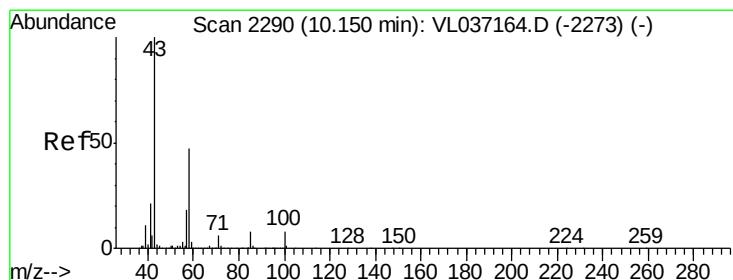
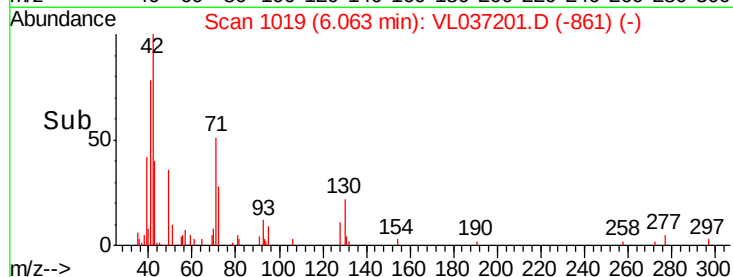
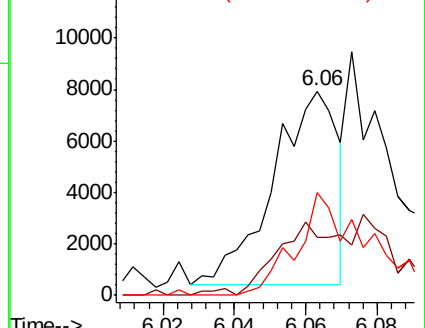
71 63.2 31.0 46.6#



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



#51

2-Hexanone

Concen: 0.035 ppbv

RT: 10.06 min Scan# 2261

Delta R.T. -0.09 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

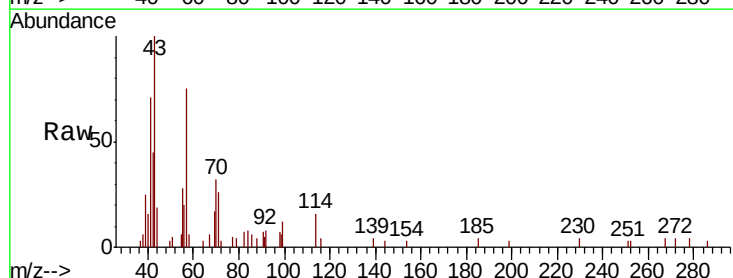
Tgt Ion: 43 Resp: 3789

Ion Ratio Lower Upper

43 100

58 71.6 38.4 57.6#

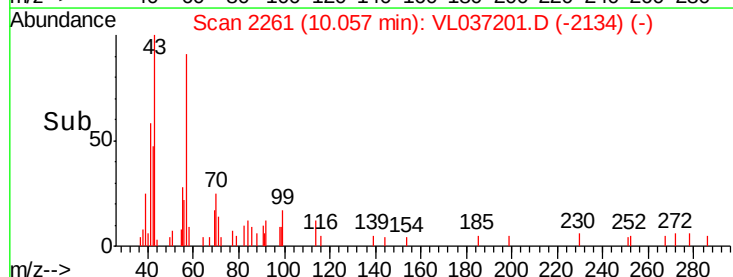
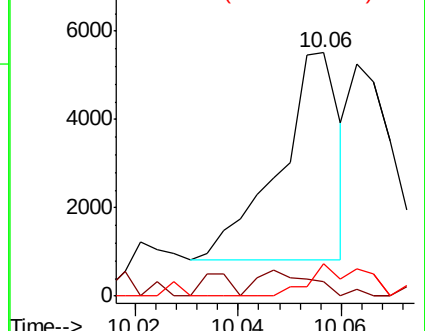
98 16.9 0.3 0.5#

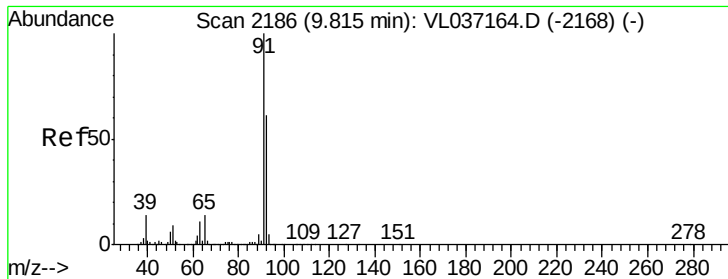


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

Concen: 0.756 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

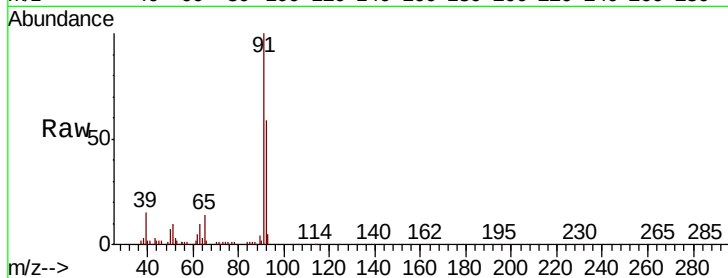
IA-PLAYROOM-2DL

Tot Ion: 91 Resp: 302091

Ion Ratio Lower Upper

91 100

92 61.3 48.3 72.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

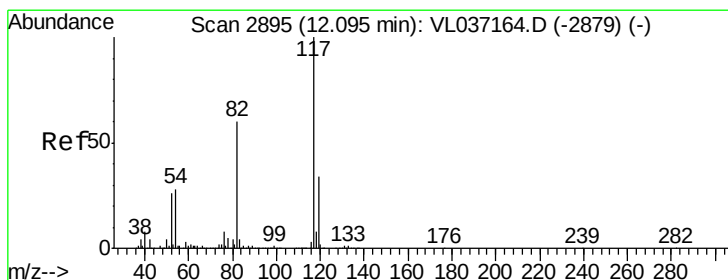
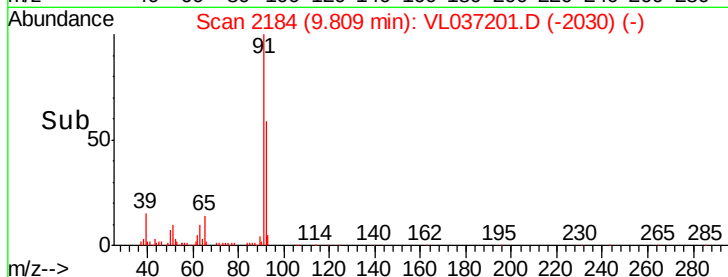
150000

100000

50000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

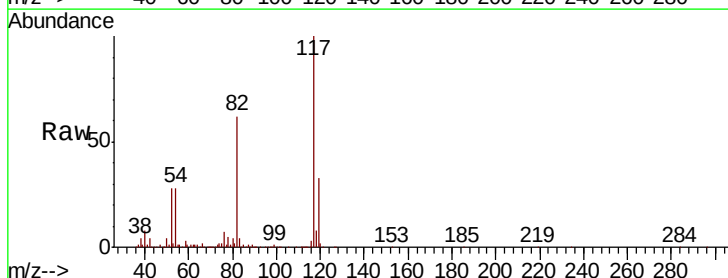
Tgt Ion: 117 Resp: 3661706

Ion Ratio Lower Upper

117 100

82 65.0 51.7 77.5

119 34.5 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

2000000

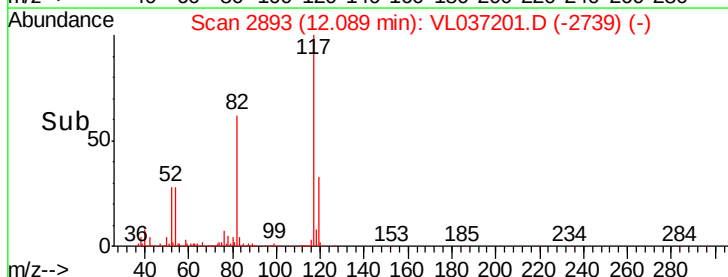
1500000

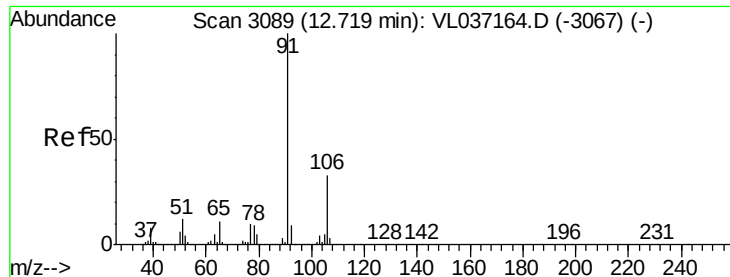
1000000

500000

0

Time-->





#58

Ethyl Benzene

Concen: 0.152 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

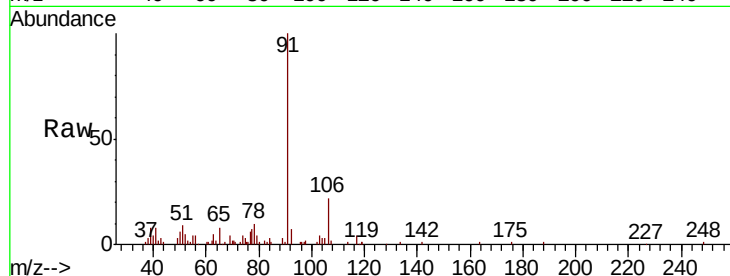
IA-PLAYROOM-2DL

Tot Ion: 91 Resp: 76378

Ion Ratio Lower Upper

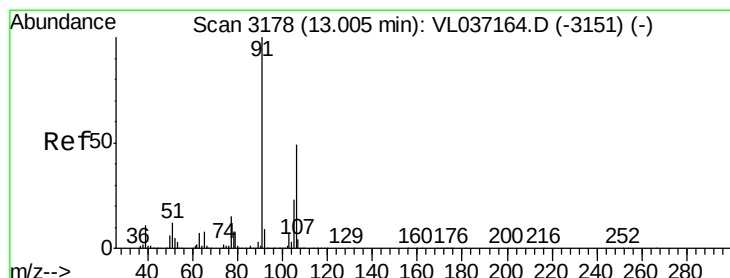
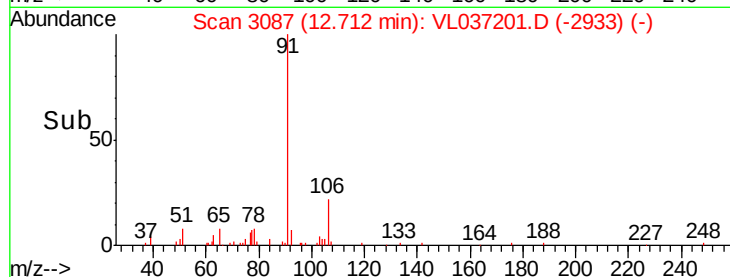
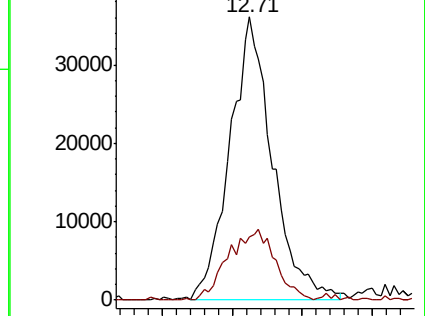
91 100

106 22.2 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: 0.194 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.02 min

Lab File: VL037201.D

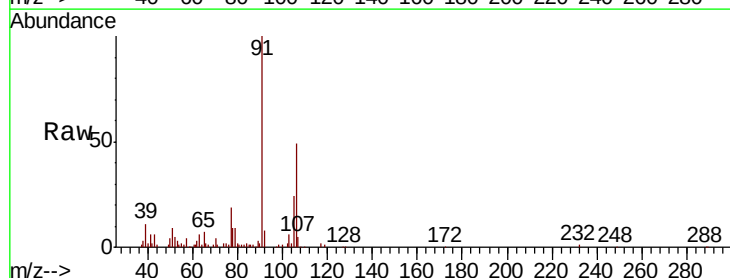
Acq: 17 Jun 2021 14:43

Tgt Ion: 91 Resp: 82724

Ion Ratio Lower Upper

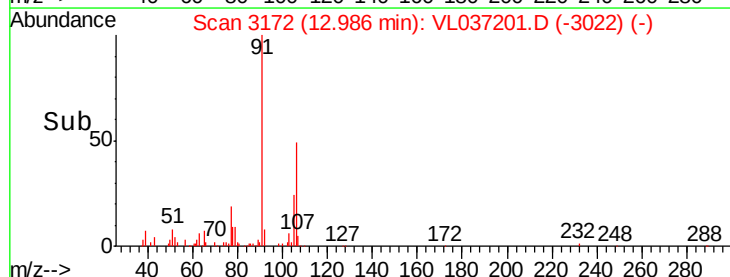
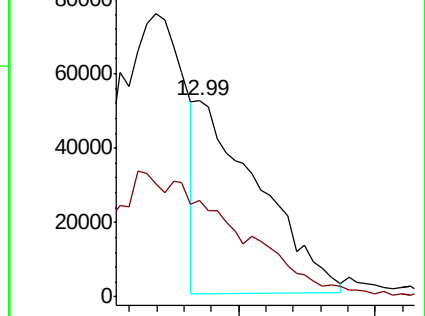
91 100

106 0.0 37.0 55.4#

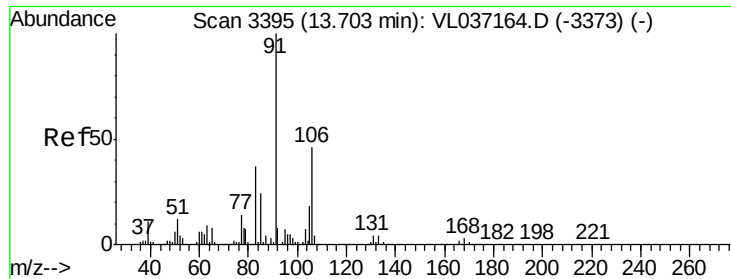


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



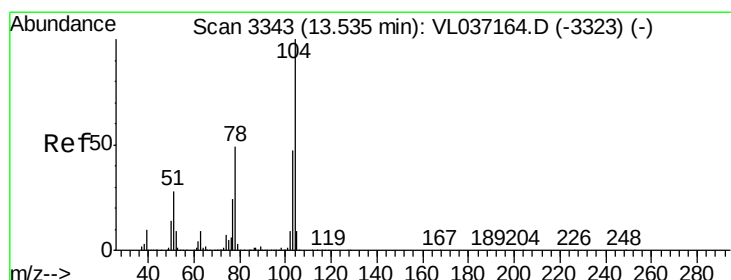
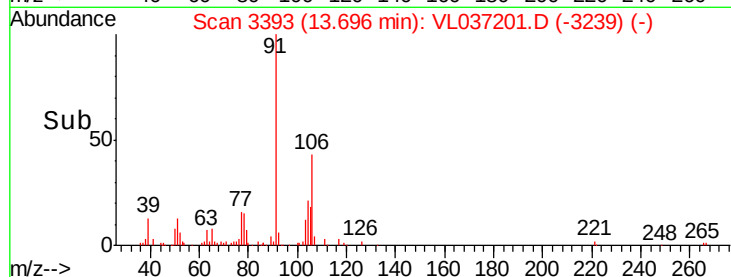
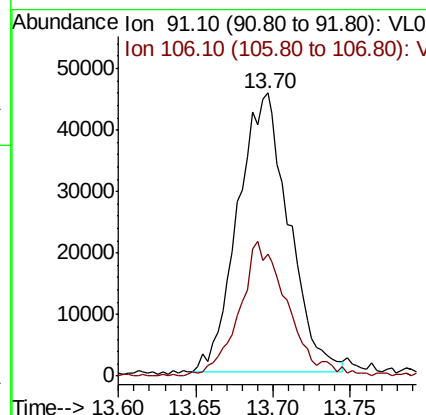
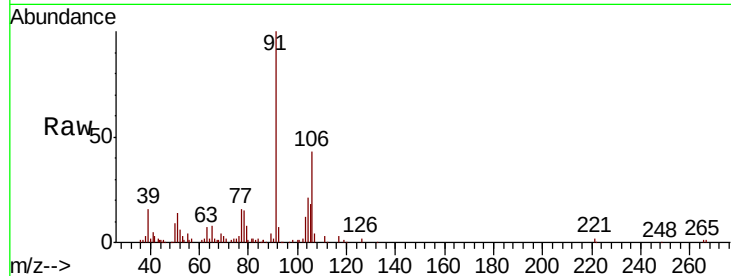




#60  
o-Xylene  
Concen: 0.256 ppbv  
RT: 13.70 min Scan# 3393  
Delta R.T. -0.01 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

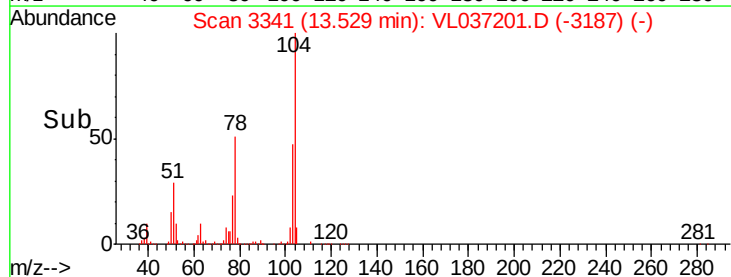
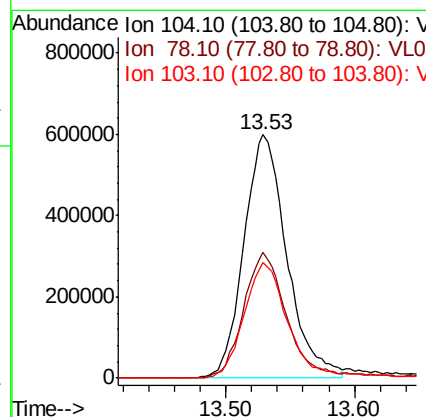
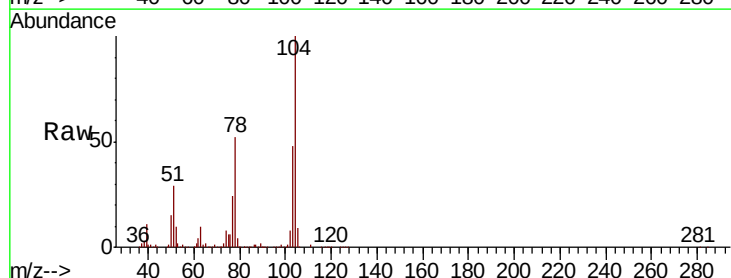
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-PLAYROOM-2DL

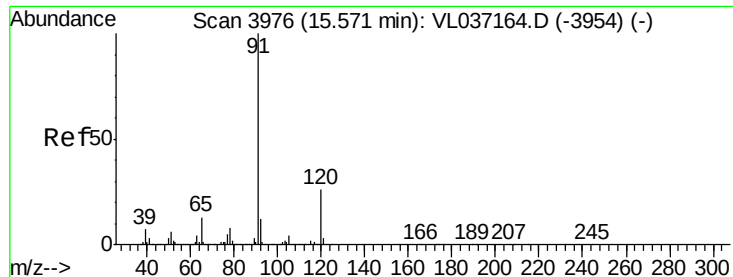
Tot Ion: 91 Resp: 104259  
Ion Ratio Lower Upper  
91 100  
106 46.1 23.0 69.0



#61  
Styrene  
Concen: 6.615 ppbv  
RT: 13.53 min Scan# 3341  
Delta R.T. -0.01 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Tgt Ion: 104 Resp: 1388699  
Ion Ratio Lower Upper  
104 100  
78 53.3 39.7 59.5  
103 49.1 37.6 56.4





#64

n-propylbenzene

Concen: 0.054 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

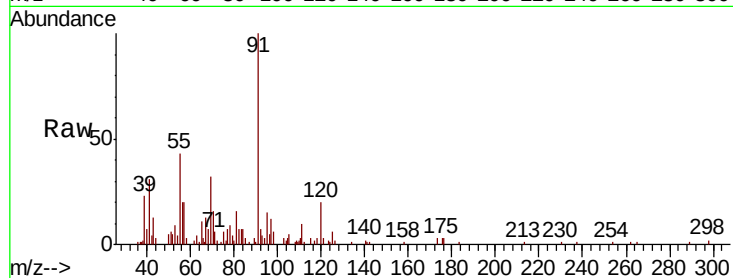
IA-PLAYROOM-2DL

Tot Ion:120 Resp: 7804

Ion Ratio Lower Upper

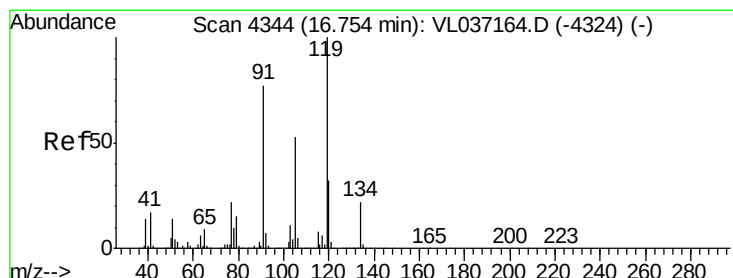
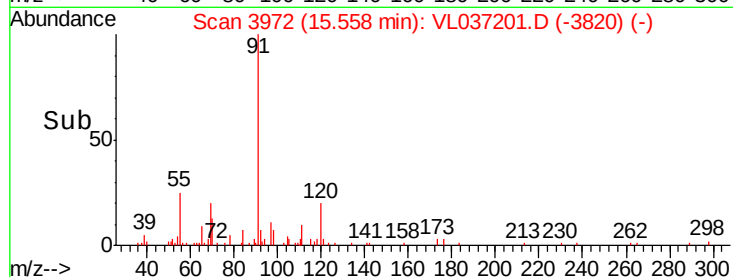
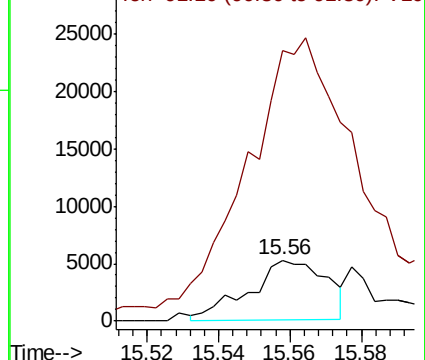
120 100

91 714.5 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.029 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

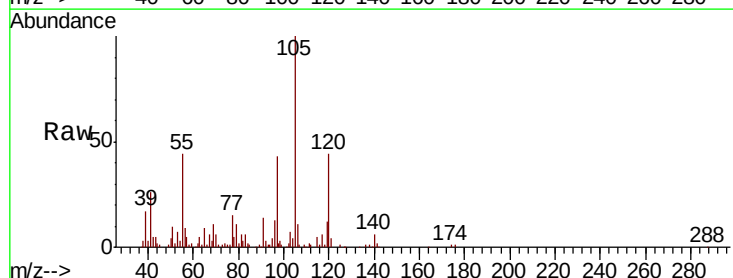
Tgt Ion:119 Resp: 14686

Ion Ratio Lower Upper

119 100

91 0.0 62.6 93.8#

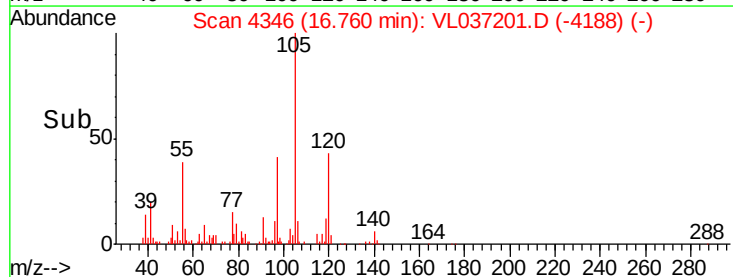
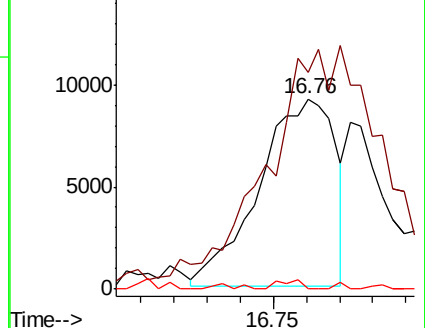
134 0.0 16.2 24.4#

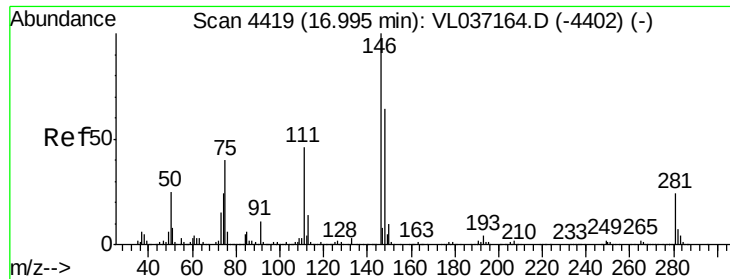


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

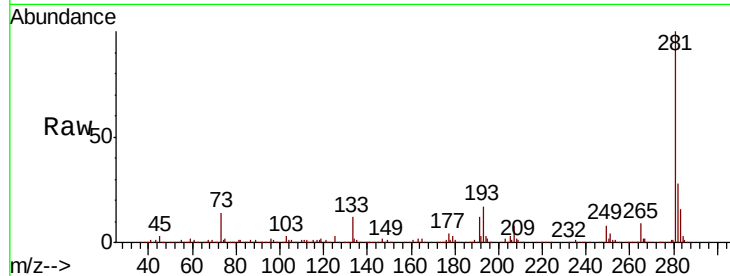




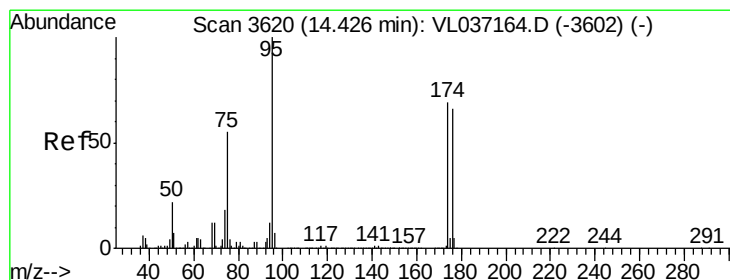
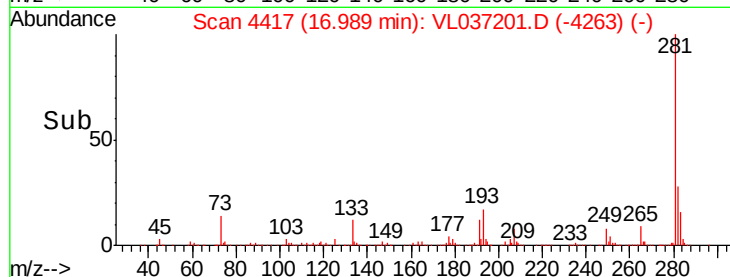
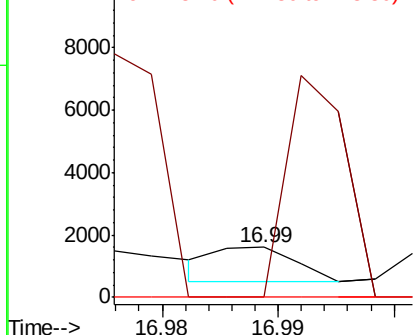
#66  
Benzvl Chloride  
Concen: 0.024 ppbv  
RT: 16.99 min Scan# 4417  
Delta R.T. -0.01 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-PLAYROOM-2DL

Tot Ion: 91 Resp: 516  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.5 23.3#  
128 0.0 5.7 8.5#

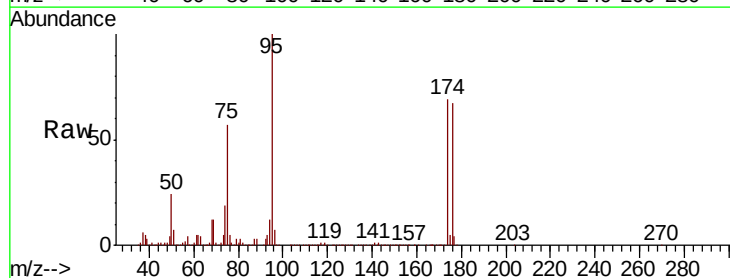


Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 126.10 (125.80 to 126.80): V  
Ion 128.10 (127.80 to 128.80): V

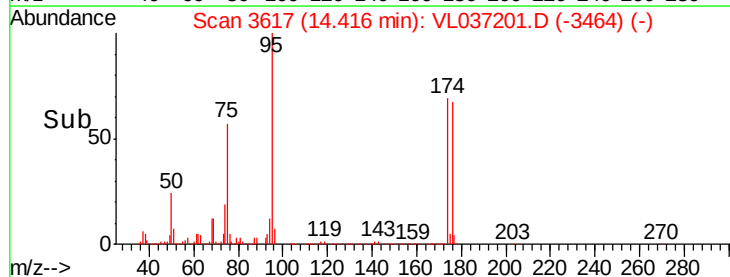
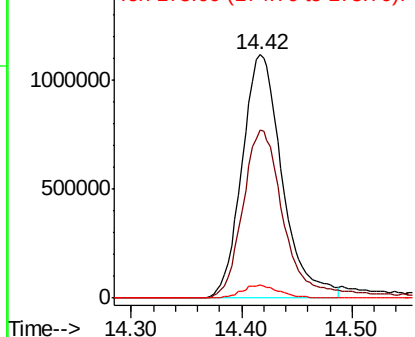


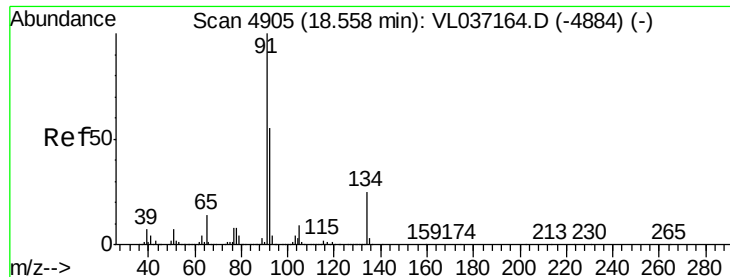
#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.180 ppbv  
RT: 14.42 min Scan# 3617  
Delta R.T. -0.01 min  
Lab File: VL037201.D  
Acq: 17 Jun 2021 14:43

Tgt Ion: 95 Resp: 2824738  
Ion Ratio Lower Upper  
95 100  
174 73.5 57.0 85.4  
175 5.2 4.4 6.6



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





#70

n-Butylbenzene

Concen: 0.028 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. -0.00 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

IA-PLAYROOM-2DL

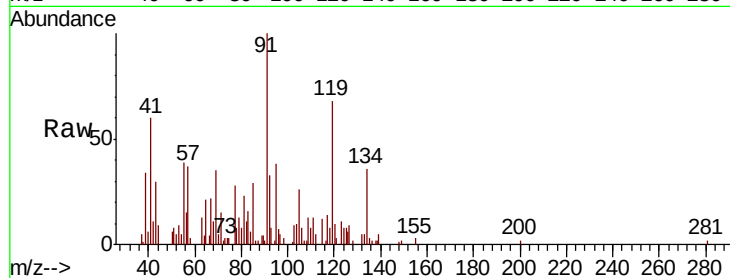
Tot Ion: 91 Resp: 14796

Ion Ratio Lower Upper

91 100

92 0.0 44.0 66.0#

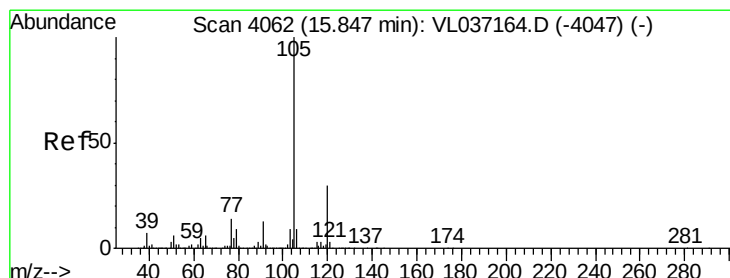
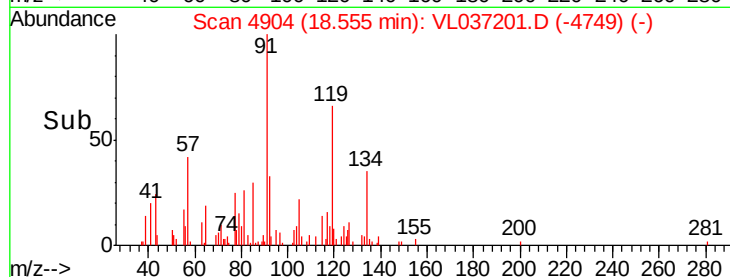
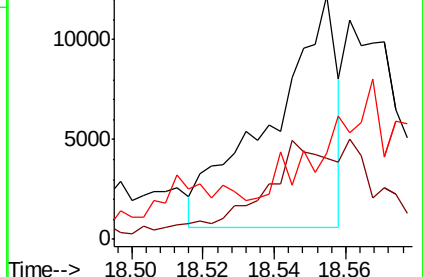
134 0.0 20.2 30.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): VL0



#72

4-Ethyltoluene

Concen: 0.073 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Tgt Ion: 105 Resp: 33882

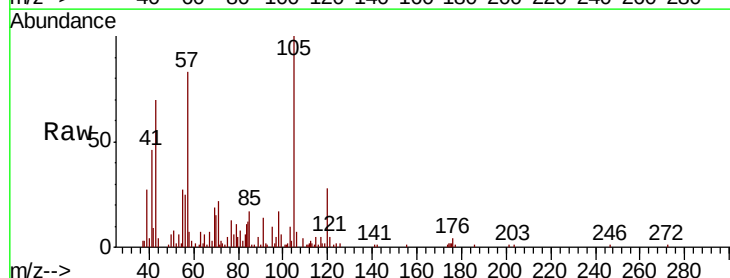
Ion Ratio Lower Upper

105 100

120 50.8 24.7 37.1#

91 31.7 10.2 15.4#

77 30.8 11.0 16.6#

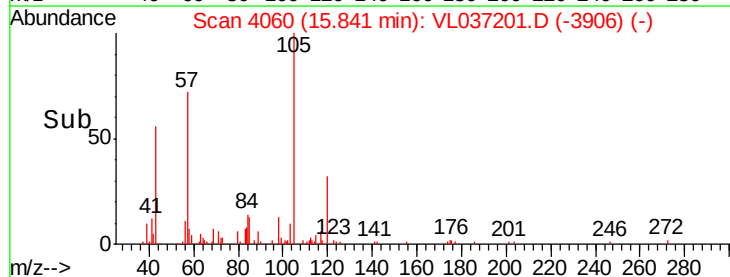
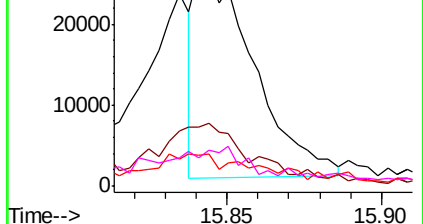


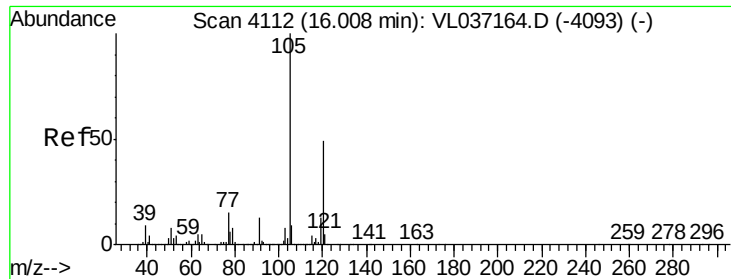
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.081 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

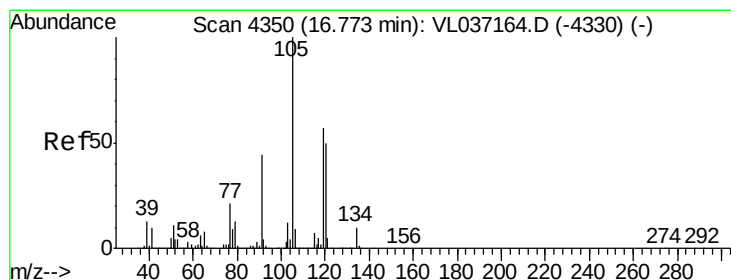
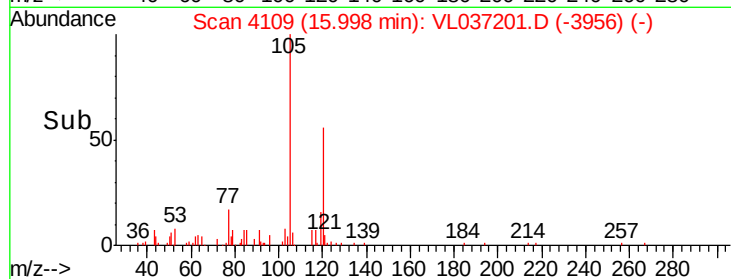
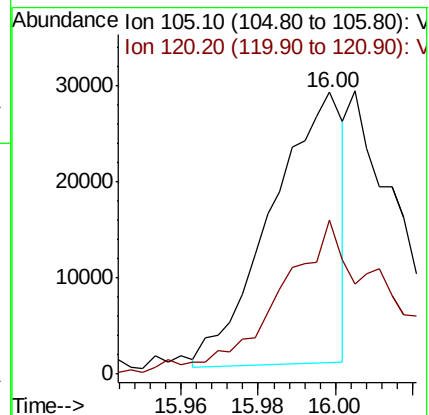
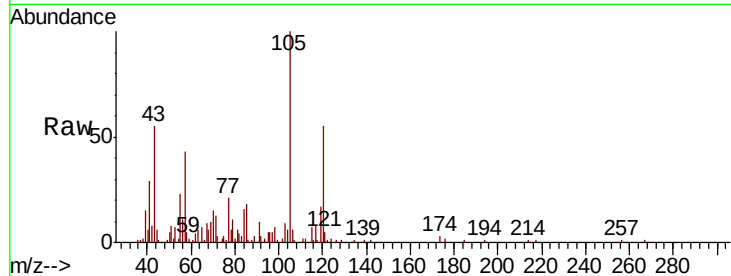
IA-PLAYROOM-2DL

Tot Ion:105 Resp: 36263

Ion Ratio Lower Upper

105 100

120 53.3 39.4 59.2



#74

1,2,4-Trimethylbenzene

Concen: 0.433 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Tgt Ion:105 Resp: 199387

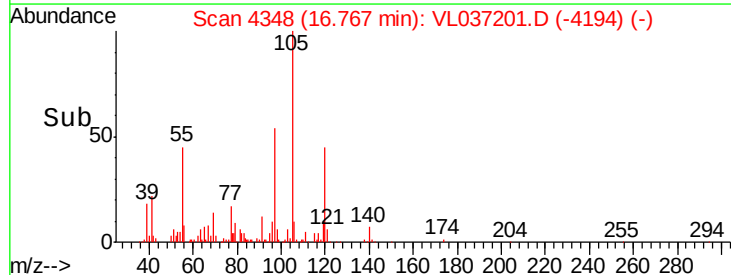
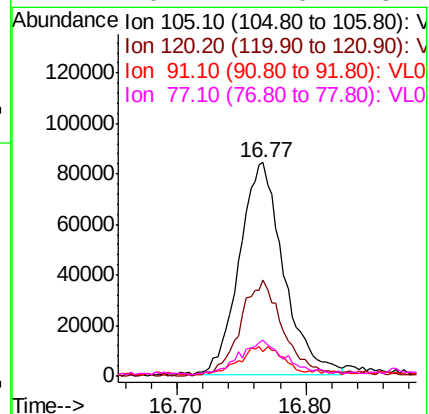
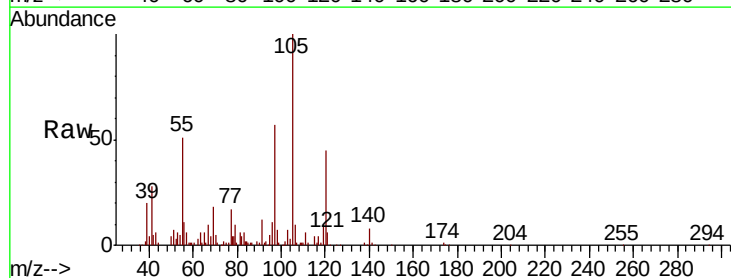
Ion Ratio Lower Upper

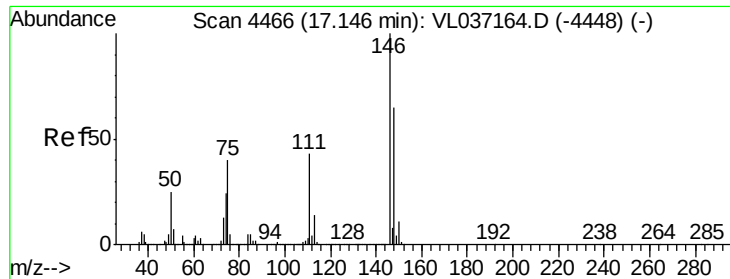
105 100

120 45.5 39.8 59.8

91 11.1 37.0 55.4#

77 16.2 17.0 25.4#





#76

1,4-Dichlorobenzene

Concen: 0.025 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.01 min

Lab File: VL037201.D

Acq: 17 Jun 2021 14:43

Instrument :

MSVOA\_L

ClientSampleId :

IA-PLAYROOM-2DL

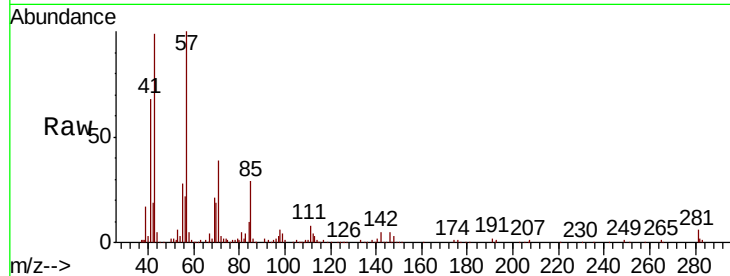
Tot Ion:146 Resp: 7085

Ion Ratio Lower Upper

146 100

111 416.1 22.7 68.0#

148 104.8 33.7 101.1#



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

