

Data File : VL032764.D  
Acq On : 14 Nov 2018 18:26  
Operator : SY/AP  
Sample : J5896-03  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

Quant Time: Nov 15 04:57:33 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL111418AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 14 07:00:23 2018  
QLast Update : Wed Nov 14 07:00:23 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1347019  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3374957  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 3068536  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 2242791  | 9.77     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.70% |

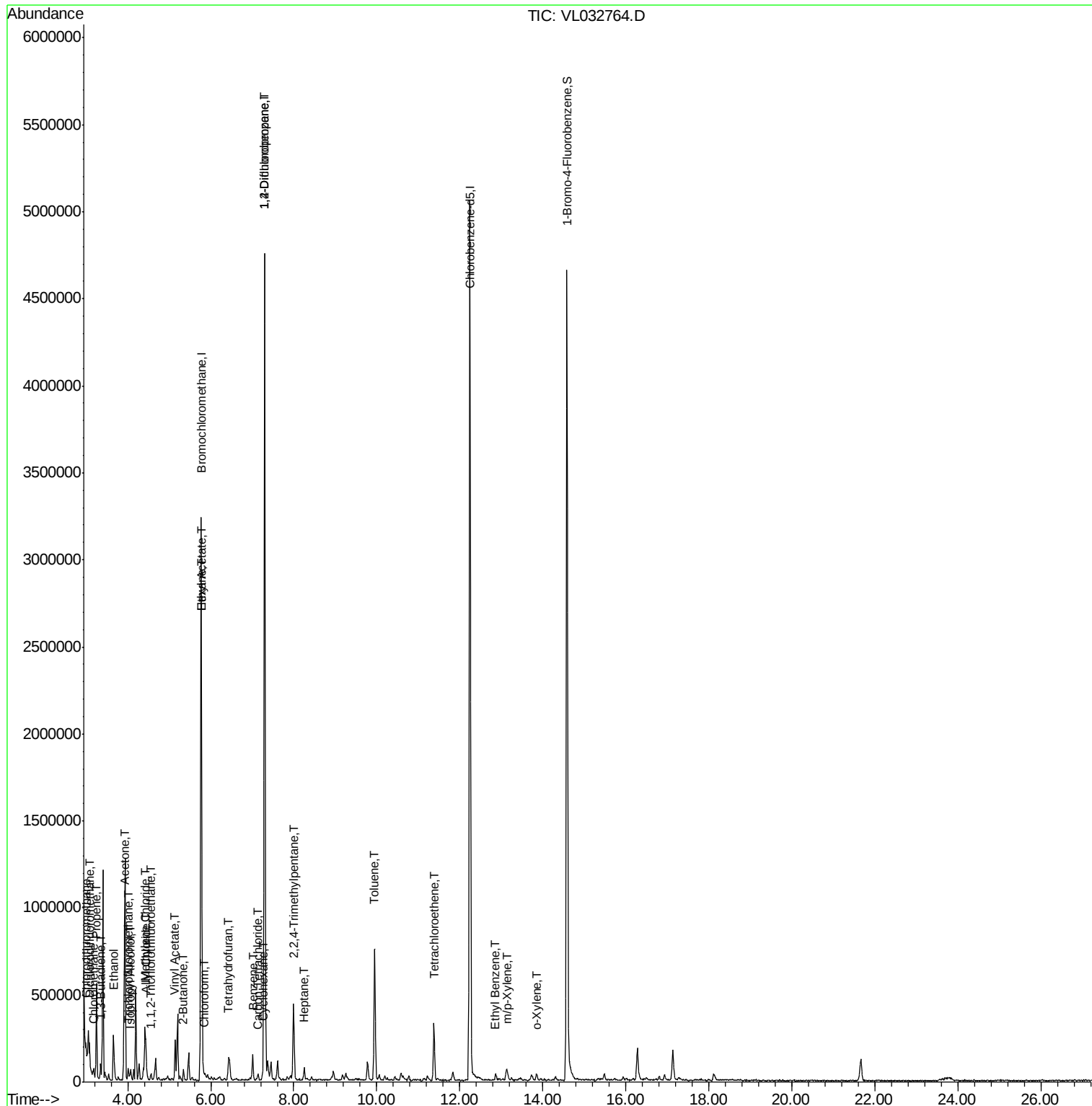
| Target Compounds               |       |     |        |        |        | Qvalue |
|--------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.08  | 85  | 102762 | 0.531  | ppbv   | 93     |
| 3) Chlorodifluoromethane       | 2.99  | 51  | 78211  | 0.732  | ppbv # | 76     |
| 4) Chloromethane               | 3.18  | 50  | 28687  | 0.484  | ppbv # | 87     |
| 9) Propene                     | 3.24  | 41  | 132005 | 3.089  | ppbv   | 99     |
| 10) Heptane                    | 8.25  | 43  | 7366   | 0.045  | ppbv # | 1      |
| 11) Trichlorofluoromethane     | 4.01  | 101 | 41646  | 0.228  | ppbv   | 94     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55  | 101 | 7496   | 0.050  | ppbv # | 46     |
| 13) Ethanol                    | 3.65  | 45  | 266409 | 19.032 | ppbv   | 95     |
| 15) Acetone                    | 3.91  | 43  | 503030 | 4.089  | ppbv   | 97     |
| 16) 1,3-Butadiene              | 3.35  | 39  | 24024  | 0.504  | ppbv # | 51     |
| 19) Isopropyl Alcohol          | 4.05  | 45  | 31321  | 0.382  | ppbv # | 1      |
| 20) Methylene Chloride         | 4.41  | 84  | 95567  | 1.501  | ppbv   | 97     |
| 21) Allyl Chloride             | 4.44  | 41  | 30485  | 0.295  | ppbv # | 42     |
| 23) Vinyl Acetate              | 5.14  | 43  | 100770 | 0.449  | ppbv # | 1      |
| 25) Ethyl Acetate              | 5.79  | 43  | 178946 | 0.624  | ppbv # | 90     |
| 26) Hexane                     | 5.79  | 57  | 177934 | 1.394  | ppbv # | 54     |
| 29) Chloroform                 | 5.85  | 83  | 7045   | 0.031  | ppbv   | 90     |
| 30) Cyclohexane                | 7.25  | 84  | 4438   | 0.040  | ppbv # | 1      |
| 34) 2-Butanone                 | 5.34  | 43  | 67130  | 0.383  | ppbv   | 100    |
| 35) Carbon Tetrachloride       | 7.14  | 117 | 13400  | 0.049  | ppbv # | 66     |
| 36) Benzene                    | 7.01  | 78  | 106369 | 0.396  | ppbv # | 91     |
| 39) 1,2-Dichloropropane        | 7.29  | 63  | 852988 | 8.330  | ppbv # | 22     |
| 41) Tetrahydrofuran            | 6.42  | 42  | 5298   | 0.053  | ppbv # | 38     |
| 44) 2,2,4-Trimethylpentane     | 7.99  | 57  | 362001 | 0.806  | ppbv # | 90     |
| 52) Tetrachloroethene          | 11.38 | 164 | 76119  | 0.814  | ppbv   | 92     |
| 53) Toluene                    | 9.95  | 91  | 486202 | 1.734  | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.87 | 91  | 25635  | 0.069  | ppbv   | 93     |
| 59) m/p-Xylene                 | 13.12 | 91  | 27867  | 0.085  | ppbv # | 1      |
| 60) o-Xylene                   | 13.85 | 91  | 13327  | 0.040  | ppbv # | 32     |

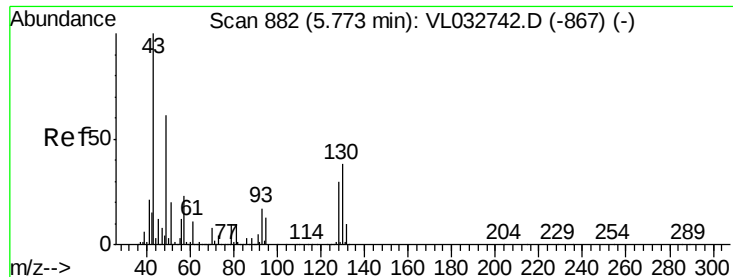
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

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Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

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OA1

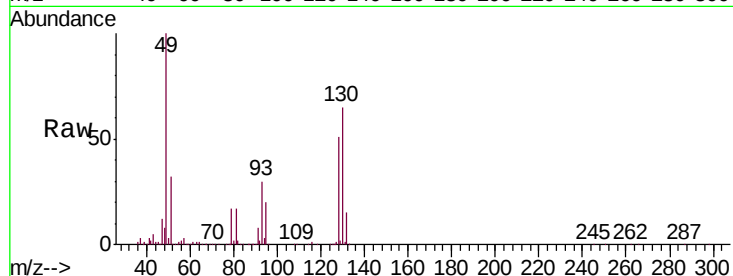
Tgt Ion: 49 Resp: 1347019

Ion Ratio Lower Upper

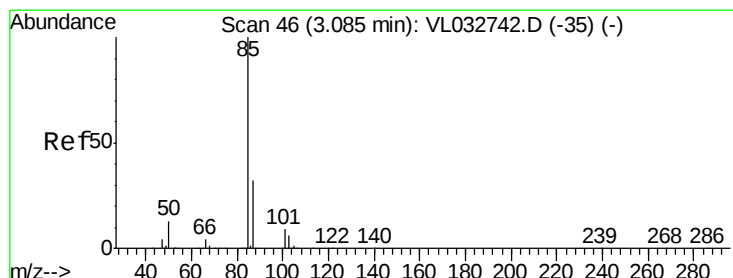
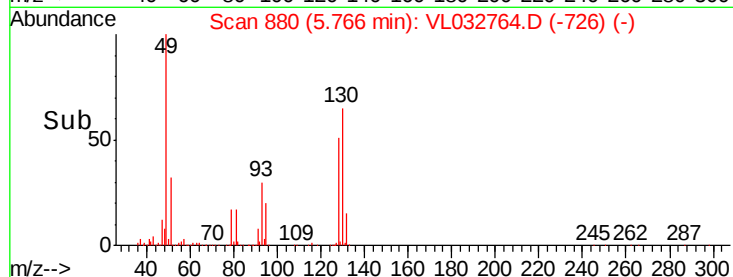
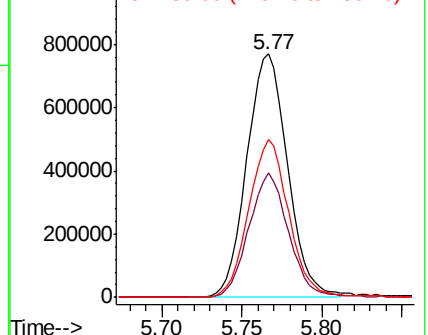
49 100

128 50.0 24.9 74.6

130 64.4 31.4 94.2



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: 0.531 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032764.D

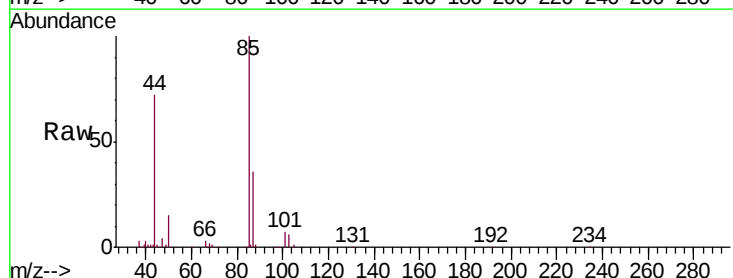
Acq: 14 Nov 2018 18:26

Tgt Ion: 85 Resp: 102762

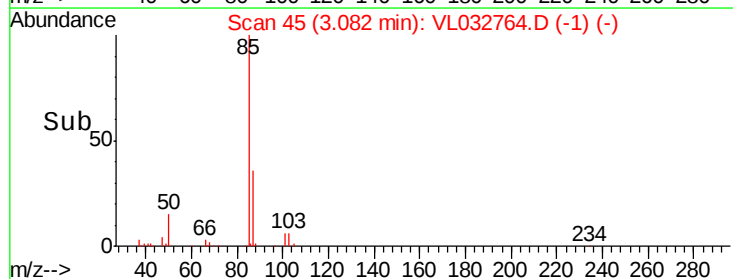
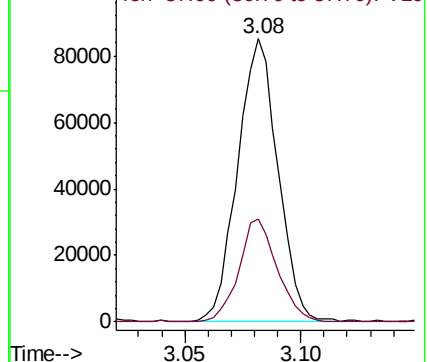
Ion Ratio Lower Upper

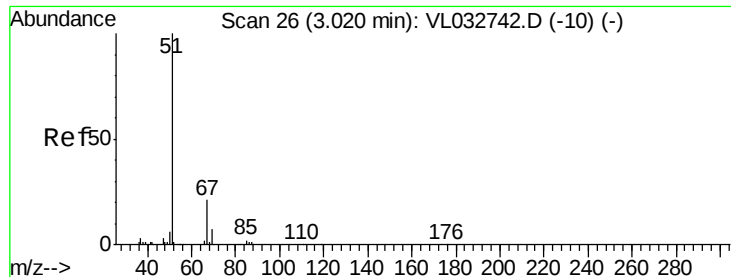
85 100

87 36.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0  
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.732 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.03 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

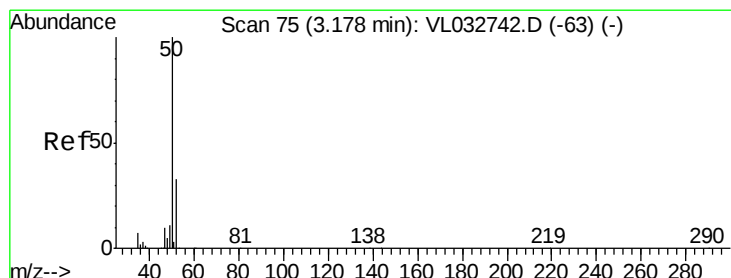
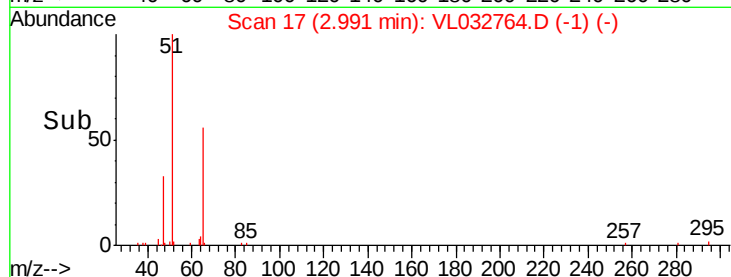
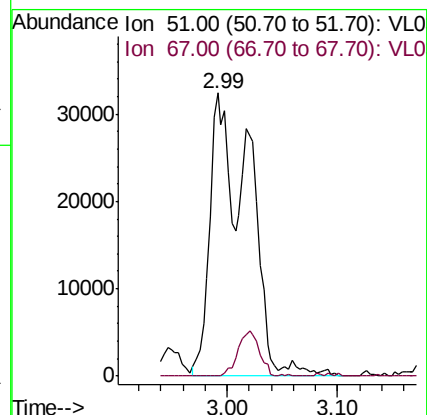
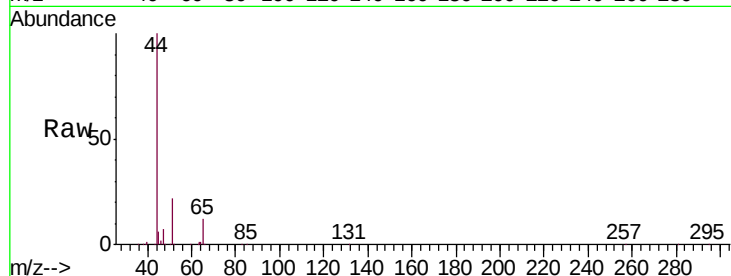
QA1

Tgt Ion: 51 Resp: 78211

Ion Ratio Lower Upper

51 100

67 9.0 16.1 24.1#



#4

Chloromethane

Concen: 0.484 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032764.D

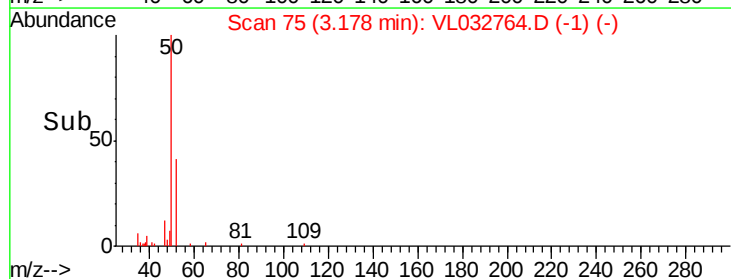
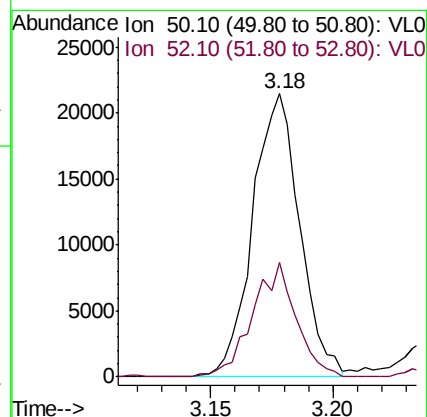
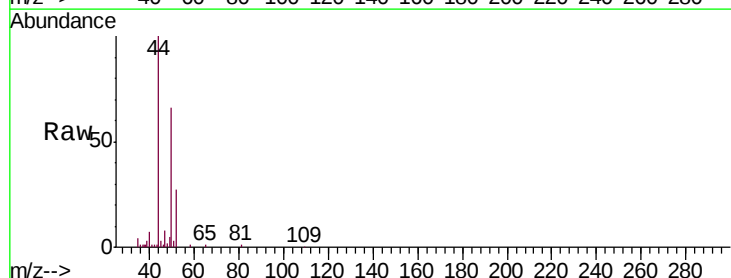
Acq: 14 Nov 2018 18:26

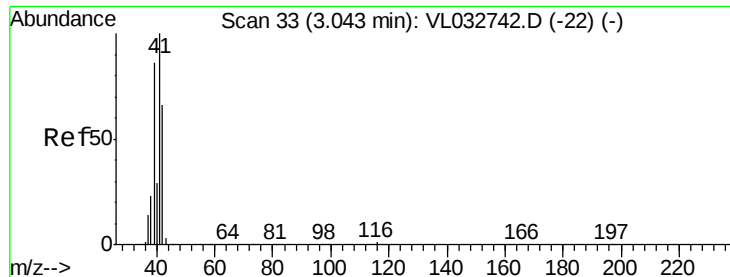
Tgt Ion: 50 Resp: 28687

Ion Ratio Lower Upper

50 100

52 40.4 26.6 40.0#





#9

Propene

Concen: 3.089 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.20 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

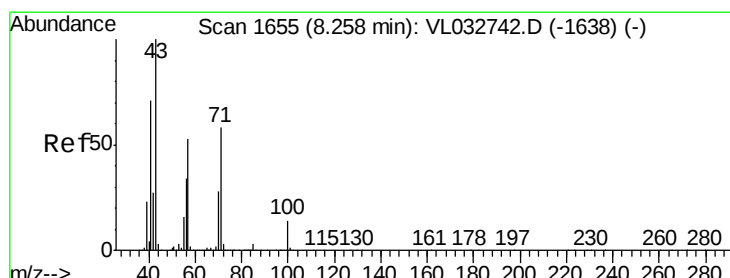
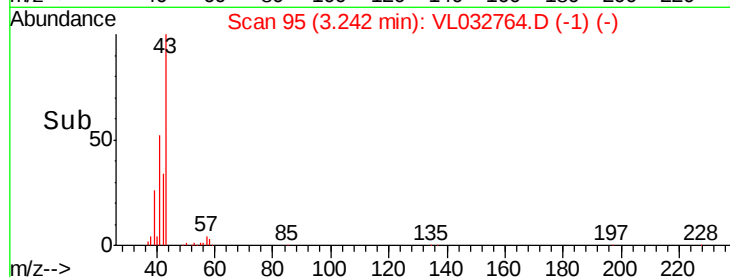
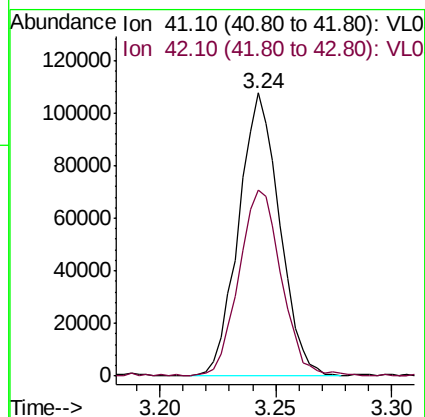
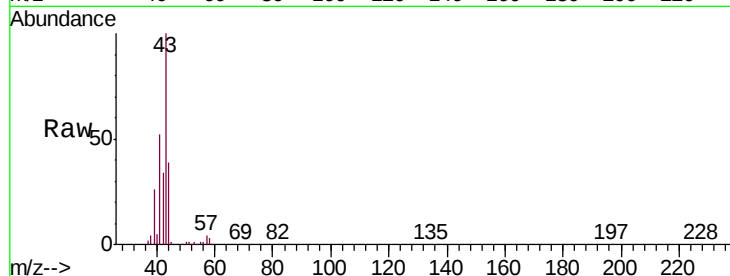
OA1

Tgt Ion: 41 Resp: 132005

Ion Ratio Lower Upper

41 100

42 68.3 55.0 82.6



#10

Heptane

Concen: 0.045 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL032764.D

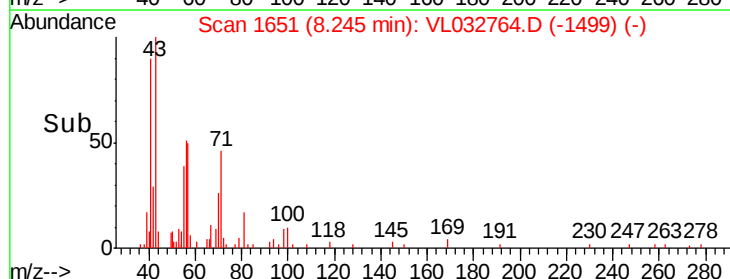
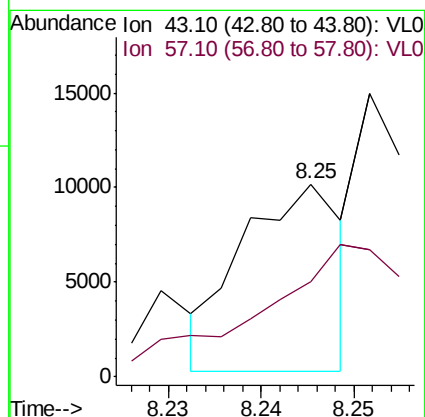
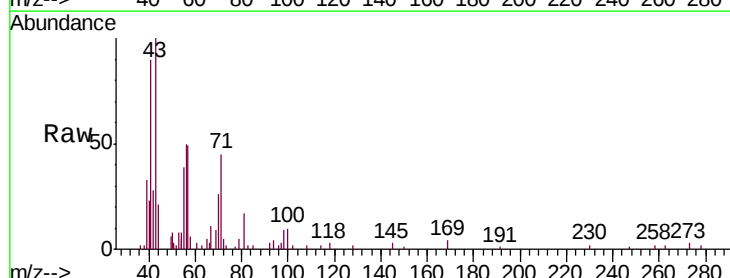
Acq: 14 Nov 2018 18:26

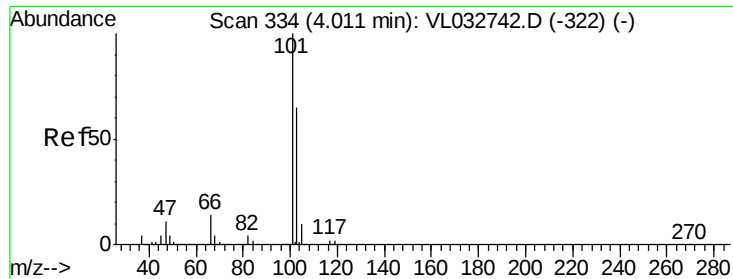
Tgt Ion: 43 Resp: 7366

Ion Ratio Lower Upper

43 100

57 161.9 41.8 62.8#





#11

Trichlorofluoromethane

Concen: 0.228 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

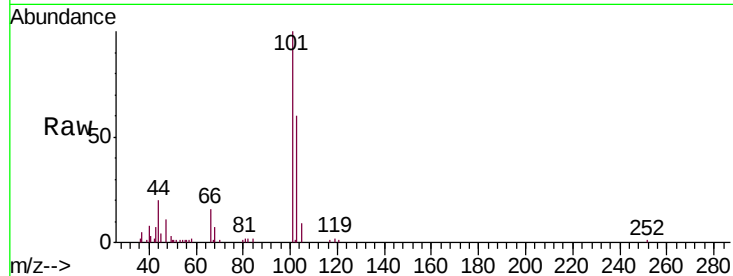
OA1

Tgt Ion:101 Resp: 41646

Ion Ratio Lower Upper

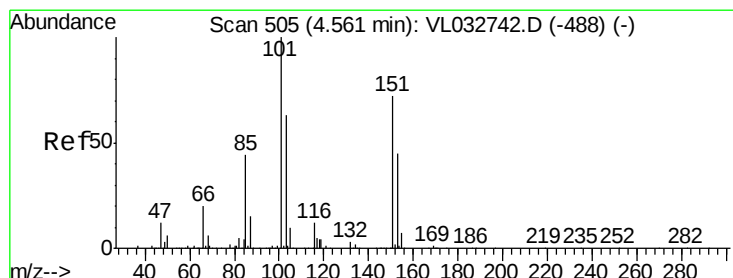
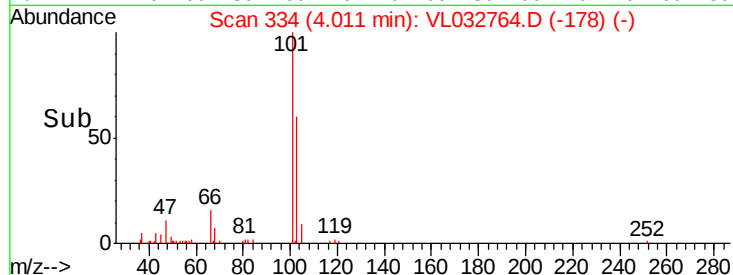
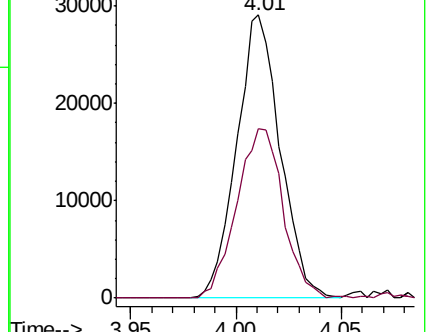
101 100

103 59.7 51.6 77.4



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: 0.050 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL032764.D

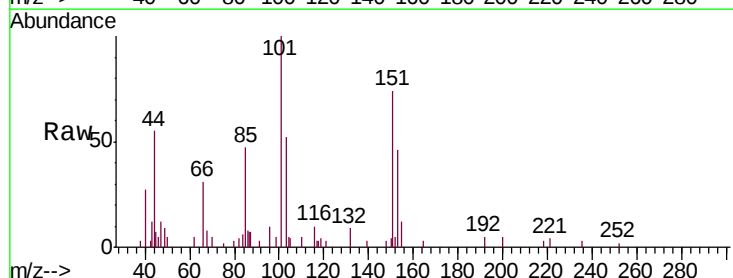
Acq: 14 Nov 2018 18:26

Tgt Ion:101 Resp: 7496

Ion Ratio Lower Upper

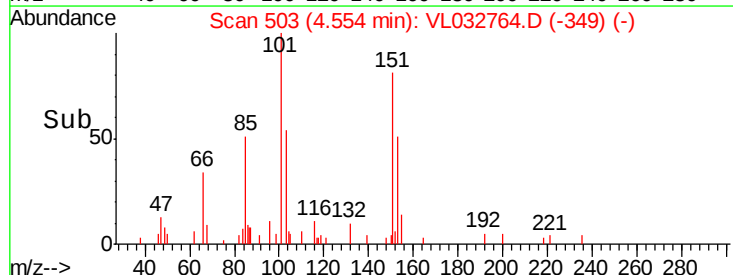
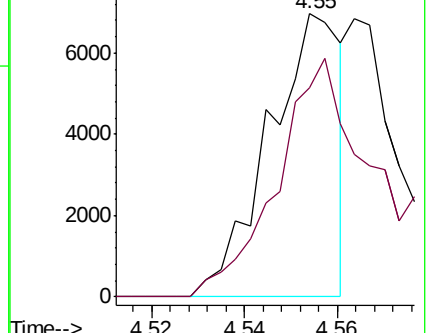
101 100

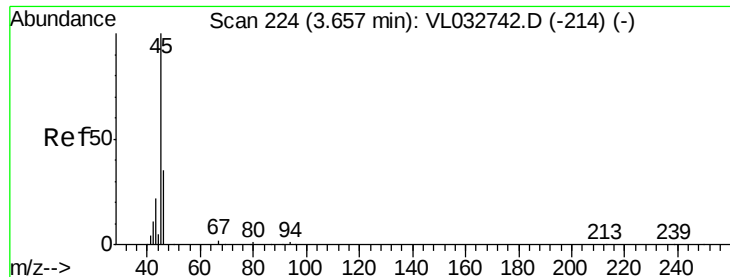
151 115.7 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 19.032 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

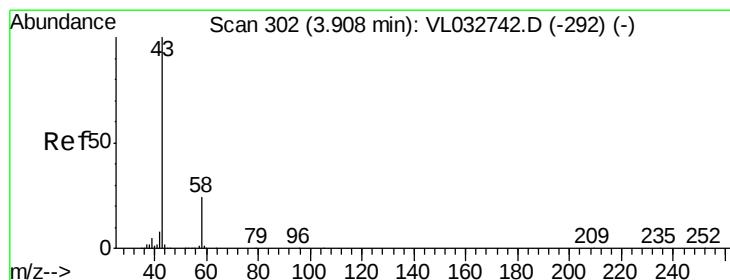
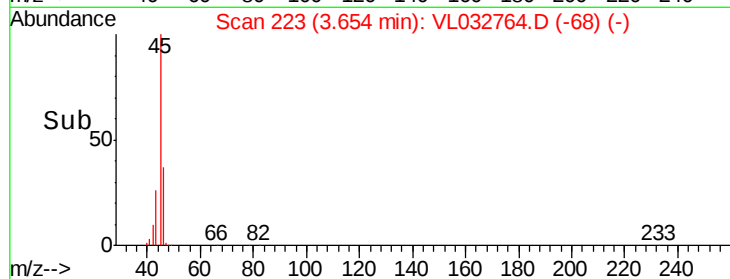
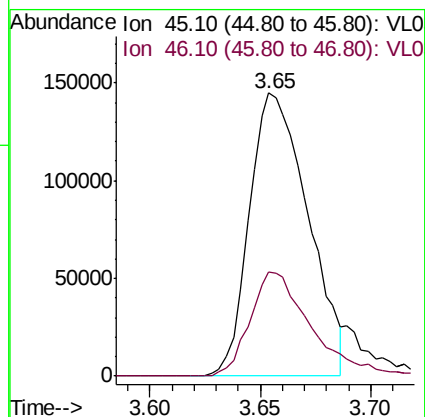
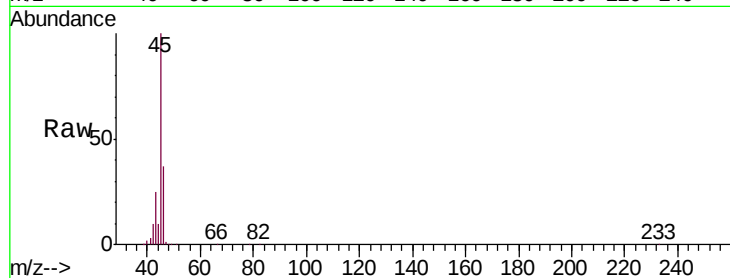
QA1

Tgt Ion: 45 Resp: 266409

Ion Ratio Lower Upper

45 100

46 39.3 14.5 57.9



#15

Acetone

Concen: 4.089 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032764.D

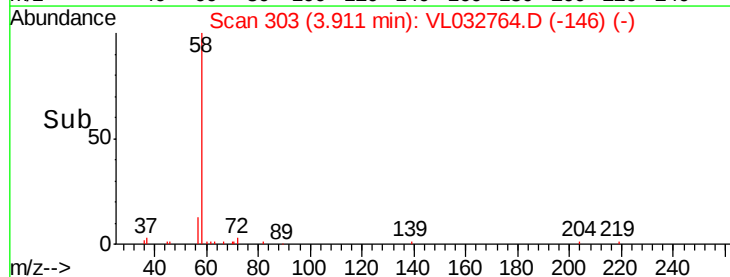
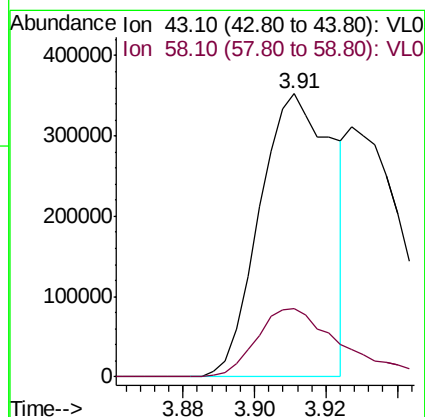
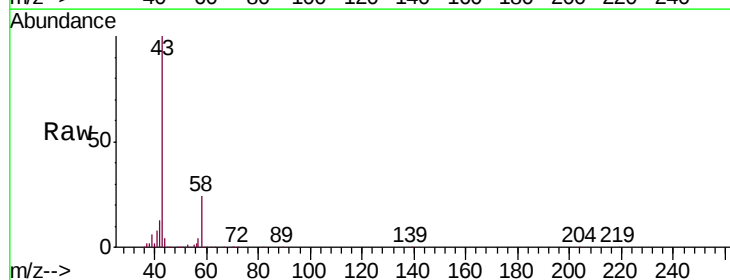
Acq: 14 Nov 2018 18:26

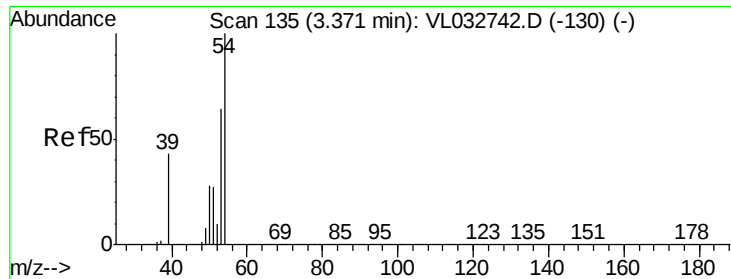
Tgt Ion: 43 Resp: 503030

Ion Ratio Lower Upper

43 100

58 28.2 21.1 31.7

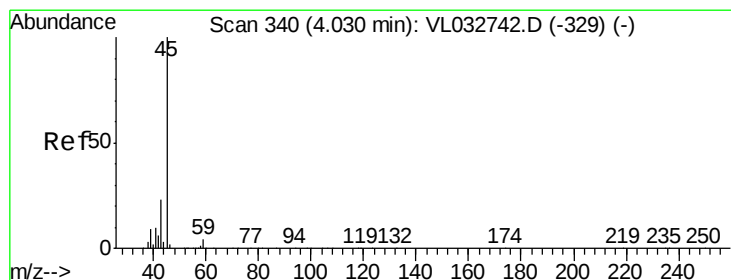
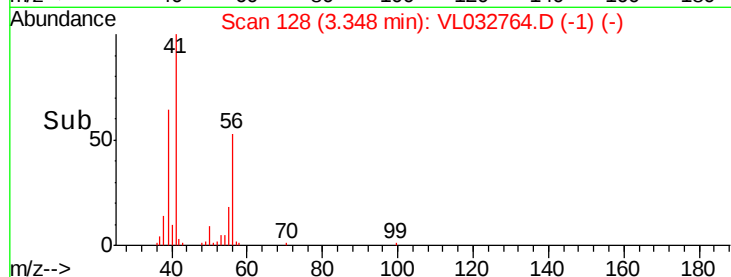
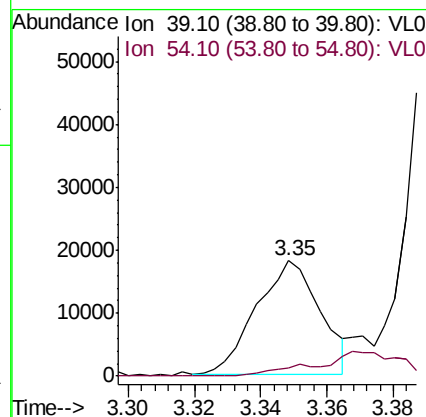
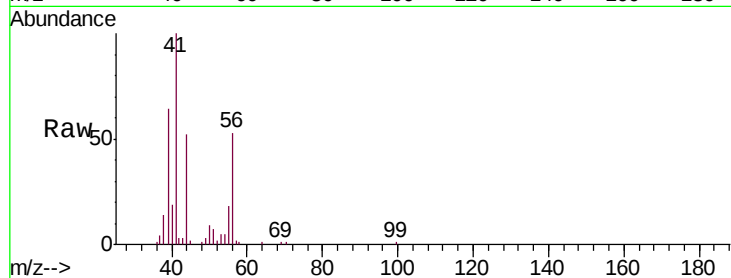




#16  
1,3-Butadiene  
Concen: 0.504 ppbv  
RT: 3.35 min Scan# 128  
Delta R.T. -0.02 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

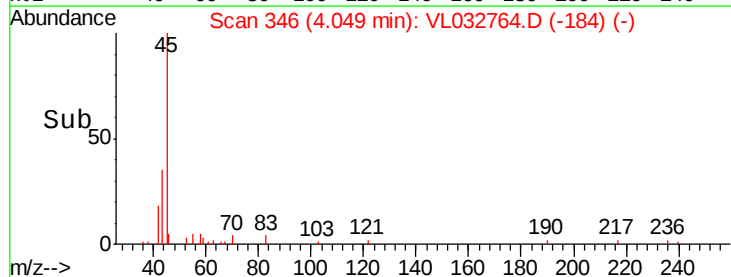
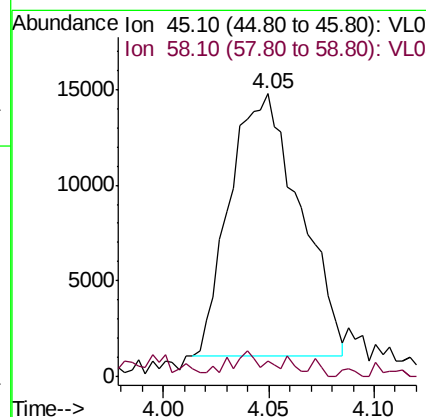
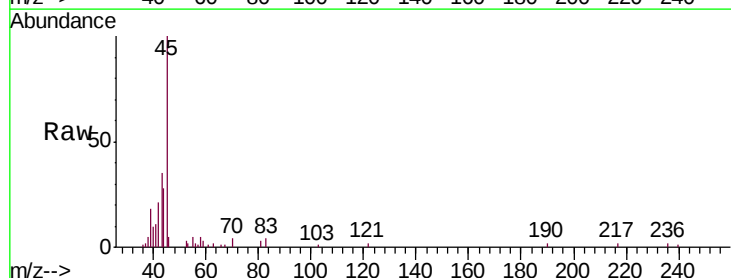
Instrument :  
MSVOA\_L  
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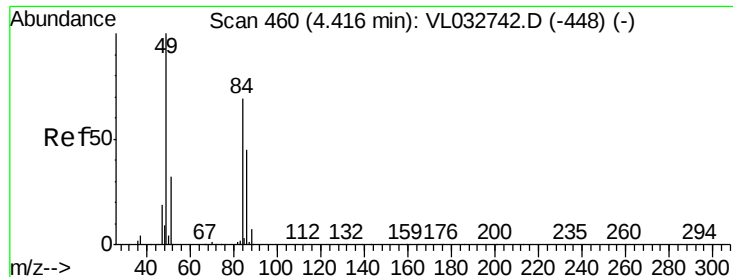
Tgt Ion: 39 Resp: 24024  
Ion Ratio Lower Upper  
39 100  
54 40.9 68.9 103.3#



#19  
Isopropyl Alcohol  
Concen: 0.382 ppbv  
RT: 4.05 min Scan# 346  
Delta R.T. 0.02 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

Tgt Ion: 45 Resp: 31321  
Ion Ratio Lower Upper  
45 100  
58 455.6 1.4 2.0#

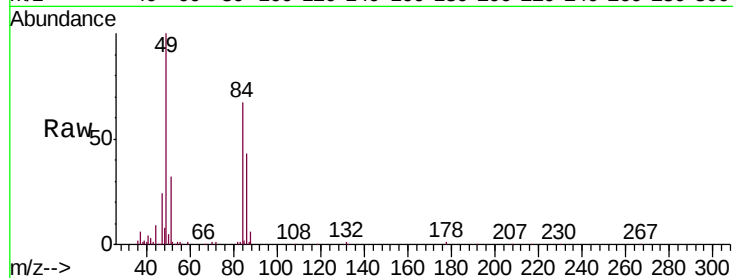




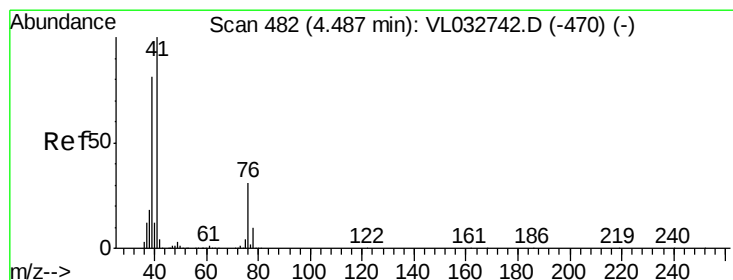
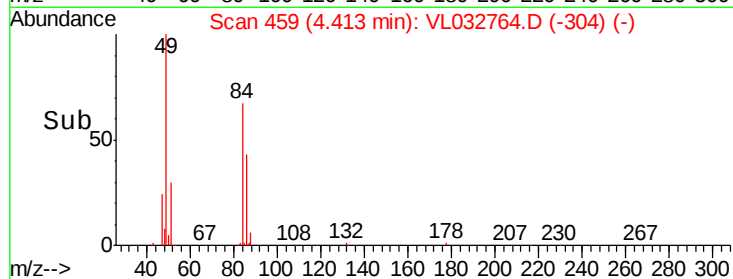
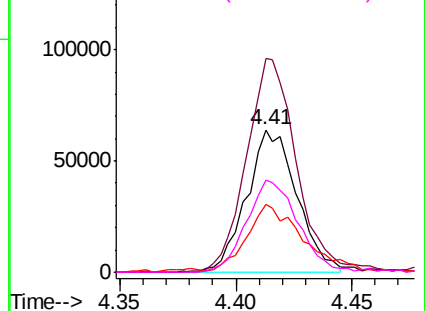
#20  
Methylene Chloride  
Concen: 1.501 ppbv  
RT: 4.41 min Scan# 459  
Delta R.T. -0.00 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

Instrument :  
MSVOA\_L  
ClientSampled :  
OA1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 95567 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 149.5 | 115.8 | 173.6 |
| 51       | 45.3  | 36.9  | 55.3  |
| 86       | 64.6  | 52.4  | 78.6  |

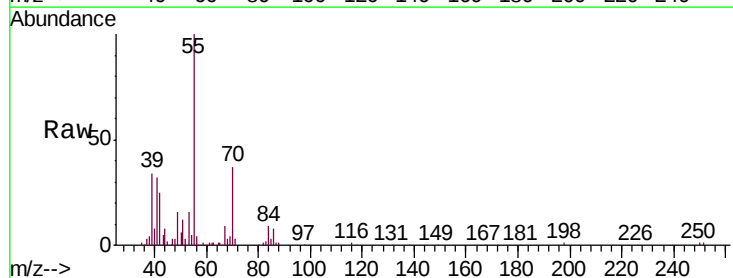


Abundance Ion 84.00 (83.70 to 84.70): VL0  
Ion 49.10 (48.80 to 49.80): VL0  
Ion 51.10 (50.80 to 51.80): VL0  
Ion 86.00 (85.70 to 86.70): VL0

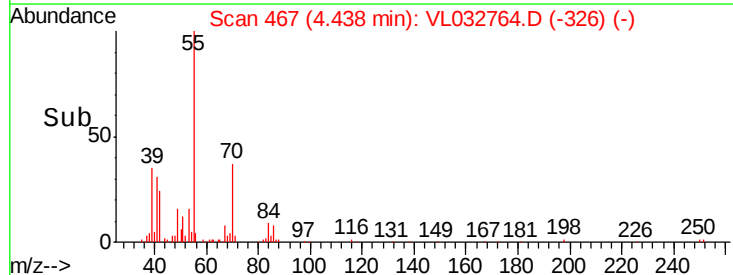
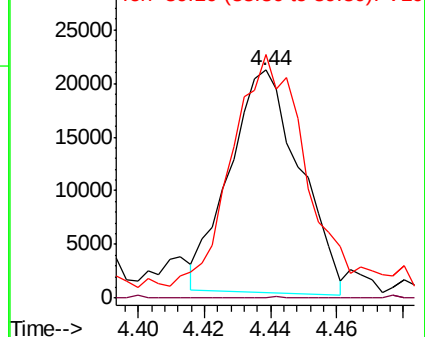


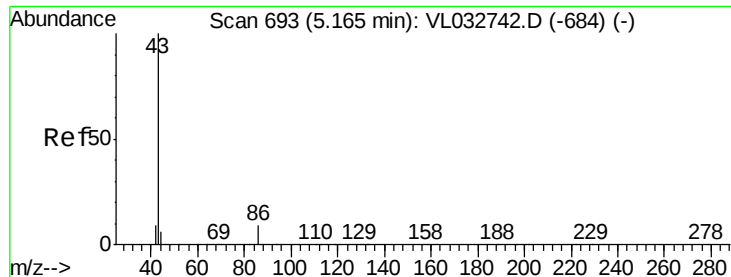
#21  
Allyl Chloride  
Concen: 0.295 ppbv  
RT: 4.44 min Scan# 467  
Delta R.T. -0.05 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 30485 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 0.0   | 24.4  | 36.6# |
| 39       | 131.6 | 63.5  | 95.3# |



Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 76.10 (75.80 to 76.80): VL0  
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.449 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

OA1

Tgt Ion: 43 Resp: 100770

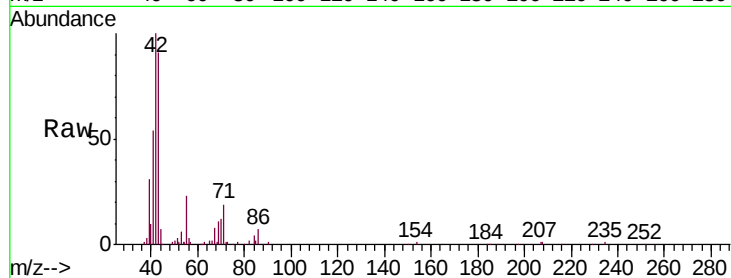
Ion Ratio Lower Upper

43 100

86 7.6 6.2 9.4

42 109.4 7.8 11.6#

44 2.5 4.4 6.6#

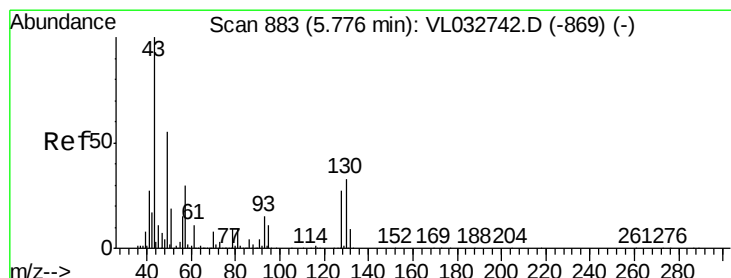
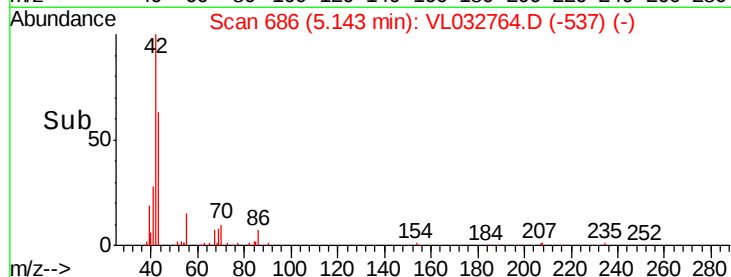
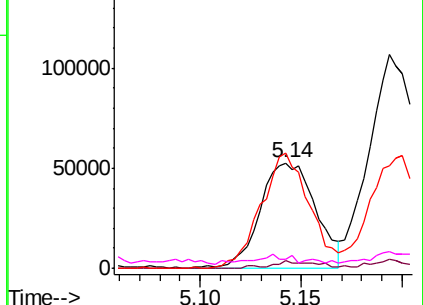


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.624 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.01 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Tgt Ion: 43 Resp: 178946

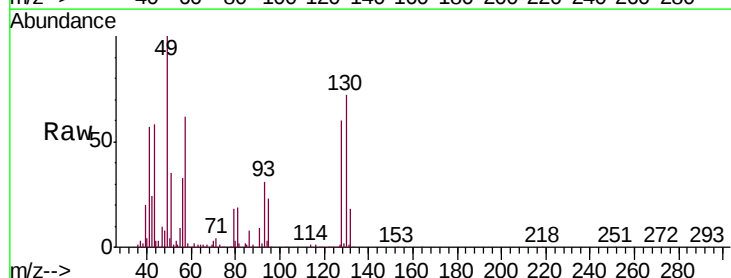
Ion Ratio Lower Upper

43 100

45 6.1 7.9 11.9#

61 5.2 7.8 11.6#

70 4.8 5.8 8.6#

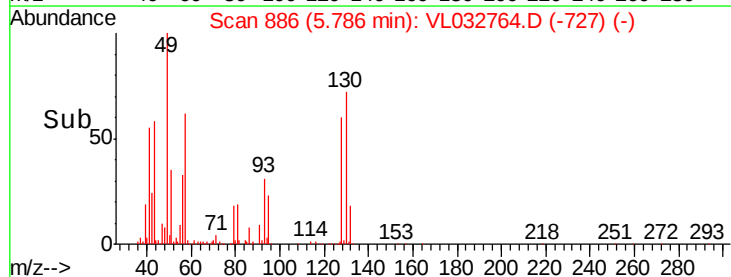
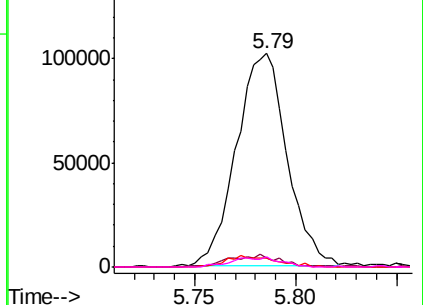


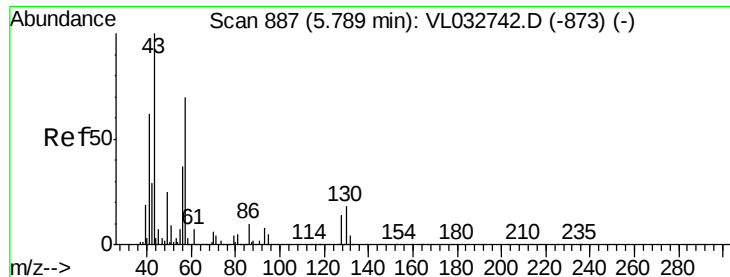
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.394 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

QA1

Tgt Ion: 57 Resp: 177934

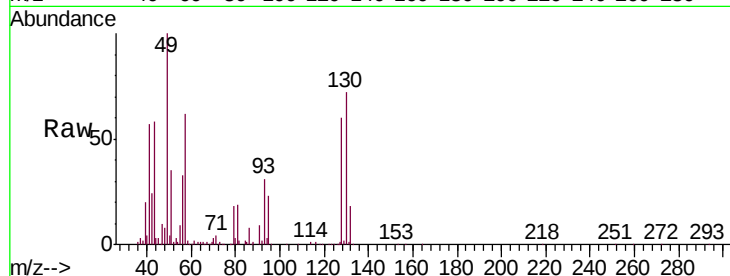
Ion Ratio Lower Upper

57 100

41 96.2 70.3 105.5

43 104.0 174.0 261.0#

56 56.1 42.3 63.5

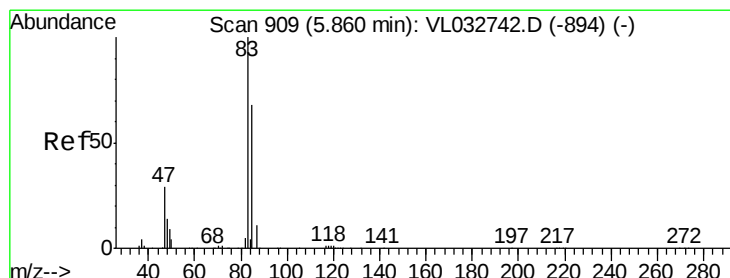
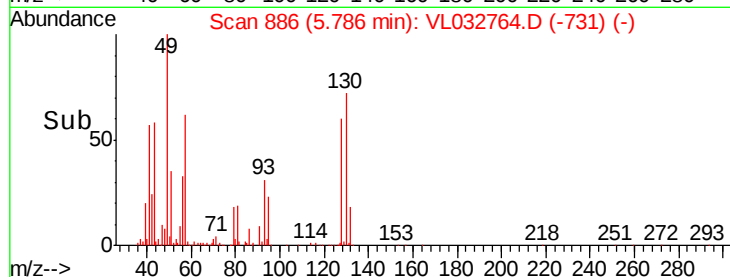
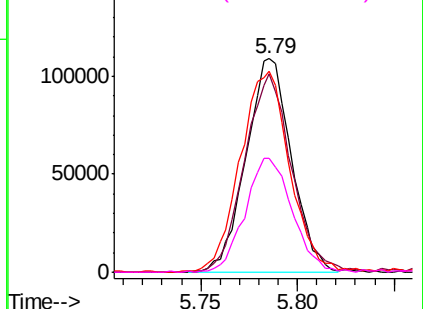


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.031 ppbv

RT: 5.85 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL032764.D

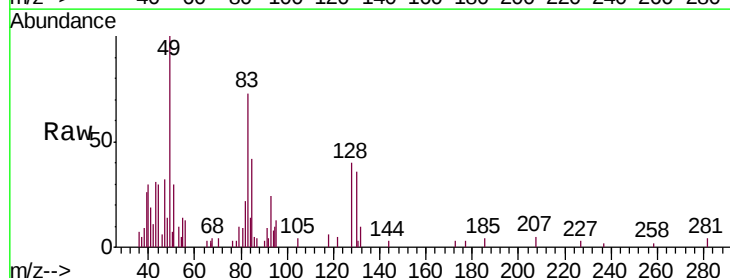
Acq: 14 Nov 2018 18:26

Tgt Ion: 83 Resp: 7045

Ion Ratio Lower Upper

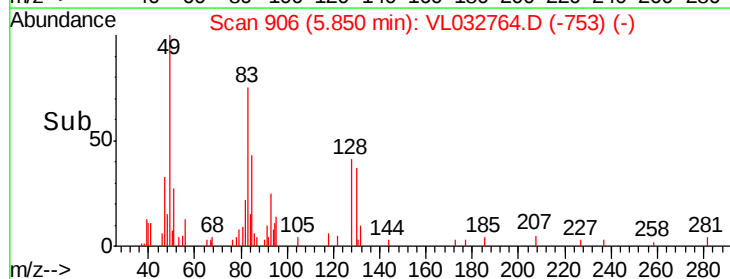
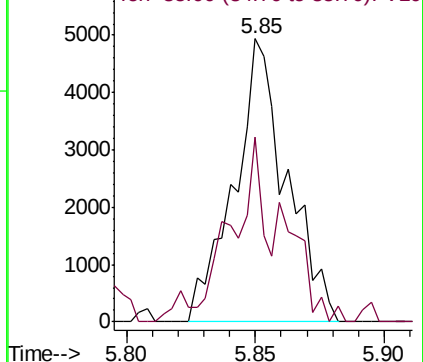
83 100

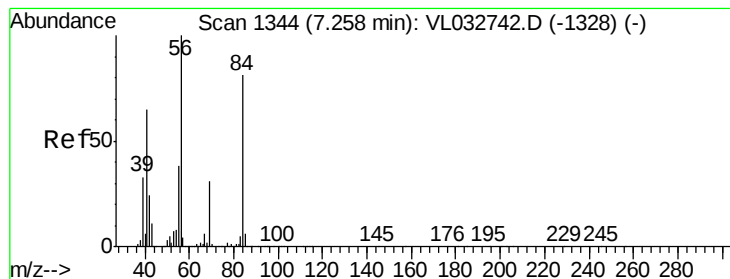
85 60.1 54.2 81.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#30

Cyclohexane

Concen: 0.040 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

OA1

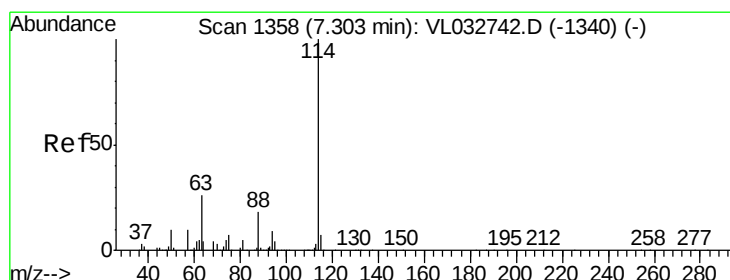
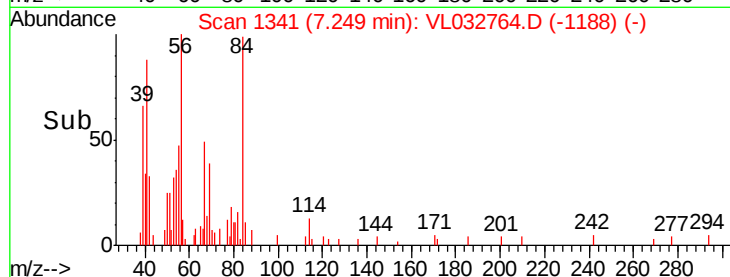
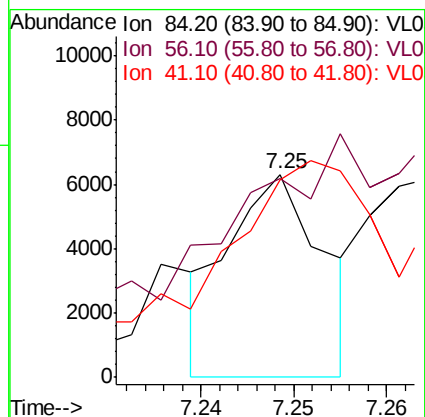
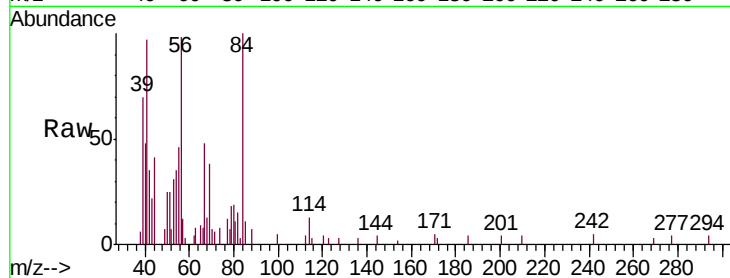
Tgt Ion: 84 Resp: 4438

Ion Ratio Lower Upper

84 100

56 0.0 105.0 157.4#

41 319.1 65.3 97.9#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

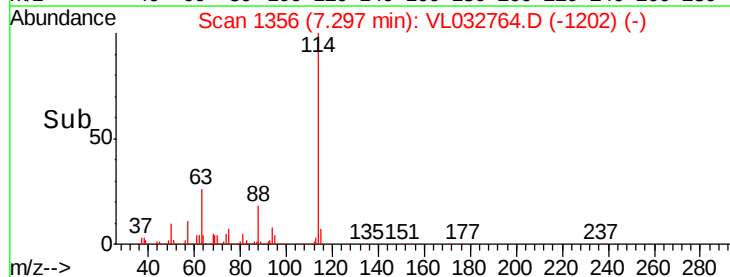
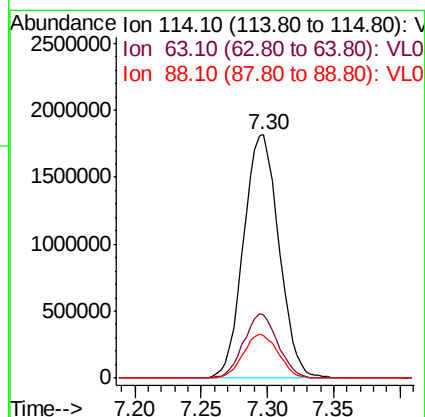
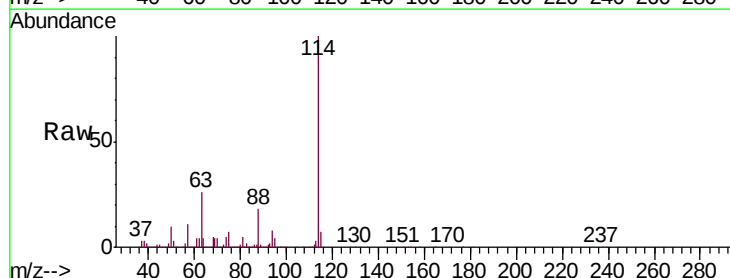
Tgt Ion: 114 Resp: 3374957

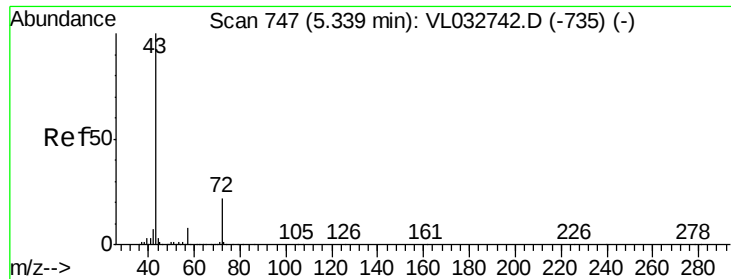
Ion Ratio Lower Upper

114 100

63 25.5 20.9 31.3

88 17.8 14.4 21.6

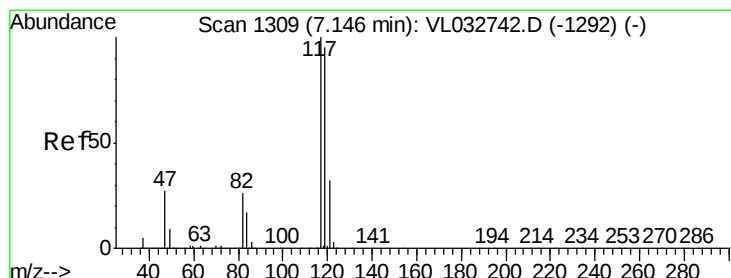
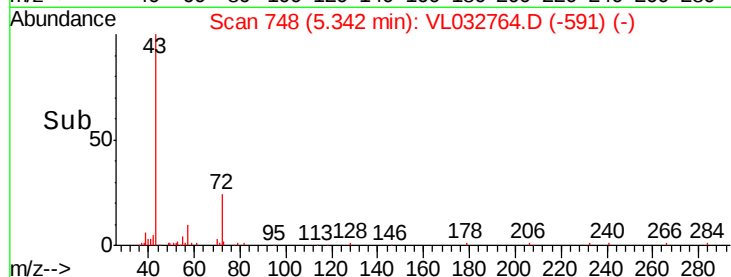
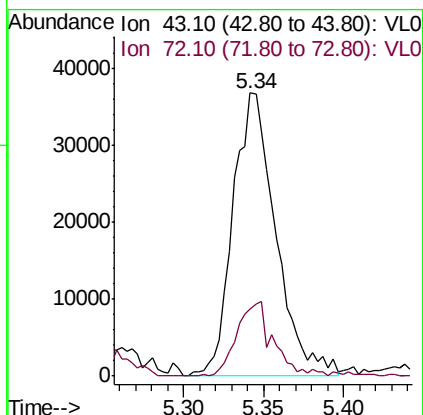
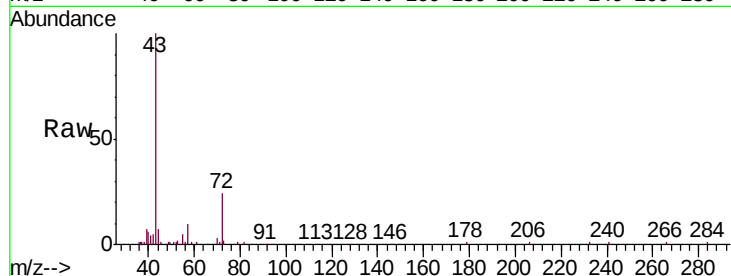




#34  
2-Butanone  
Concen: 0.383 ppbv  
RT: 5.34 min Scan# 748  
Delta R.T. 0.00 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

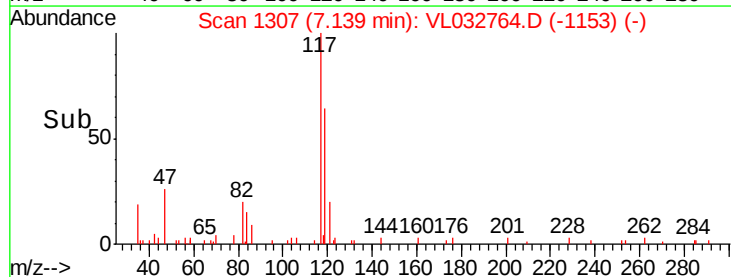
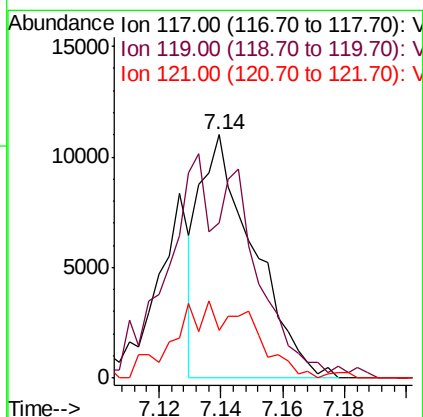
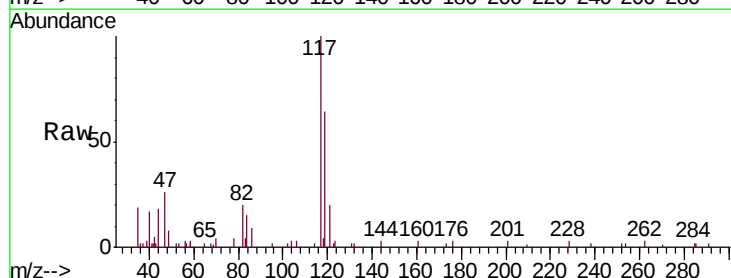
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

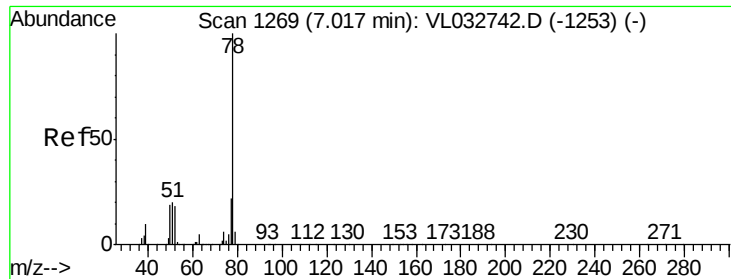
Tgt Ion: 43 Resp: 67130  
Ion Ratio Lower Upper  
43 100  
72 23.0 18.4 27.6



#35  
Carbon Tetrachloride  
Concen: 0.049 ppbv  
RT: 7.14 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

Tgt Ion: 117 Resp: 13400  
Ion Ratio Lower Upper  
117 100  
119 59.0 76.1 114.1#  
121 17.2 25.4 38.0#

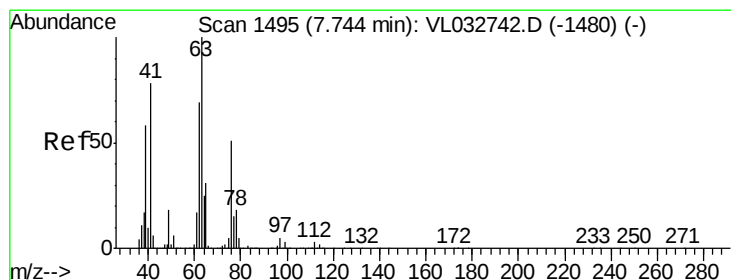
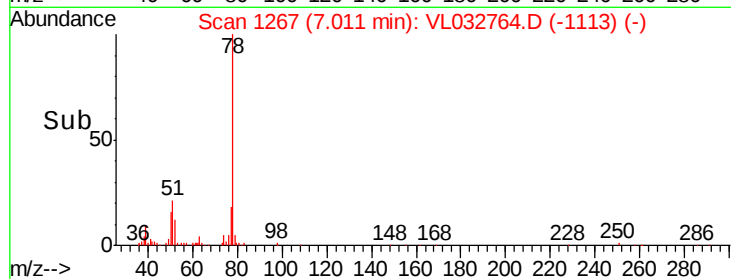
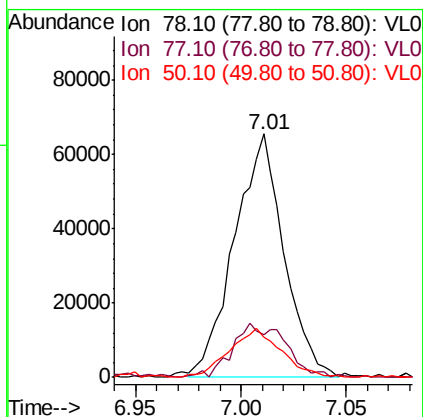
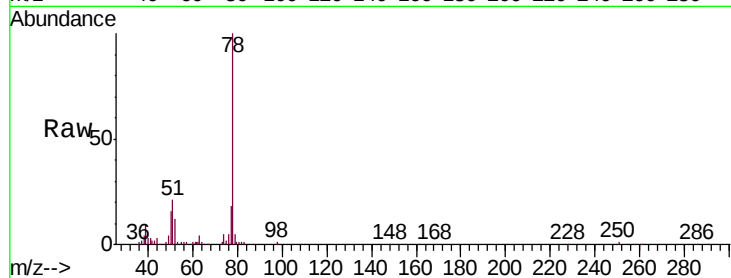




#36  
Benzene  
Concen: 0.396 ppbv  
RT: 7.01 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

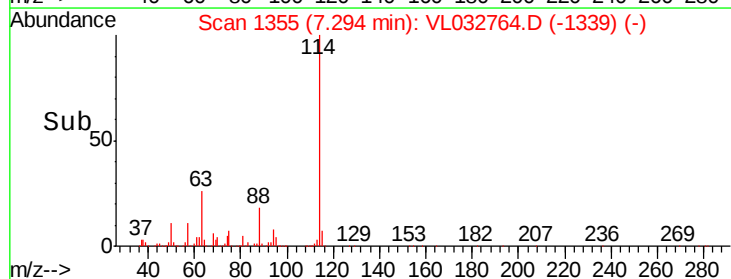
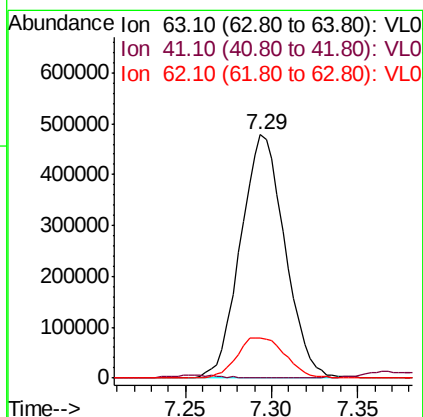
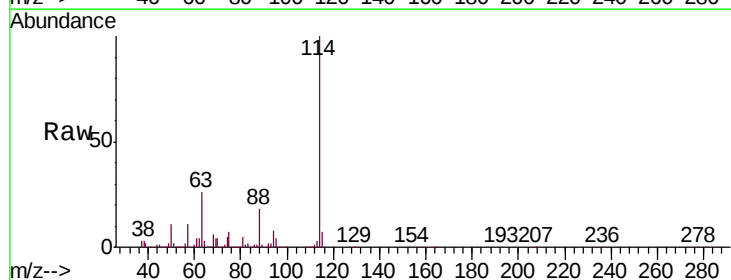
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

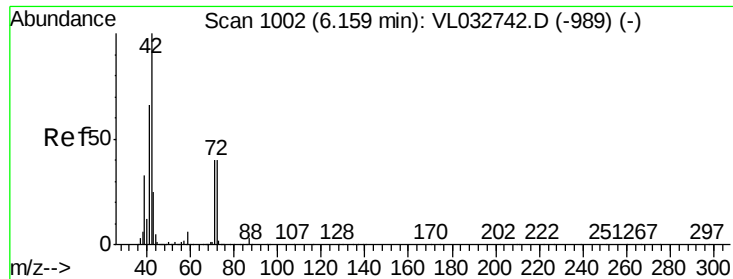
Tgt Ion: 78 Resp: 106369  
Ion Ratio Lower Upper  
78 100  
77 16.9 17.8 26.8#  
50 15.8 15.4 23.0



#39  
1,2-Dichloropropane  
Concen: 8.330 ppbv  
RT: 7.29 min Scan# 1355  
Delta R.T. -0.45 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

Tgt Ion: 63 Resp: 852988  
Ion Ratio Lower Upper  
63 100  
41 0.0 62.0 93.0#  
62 16.3 55.4 83.2#

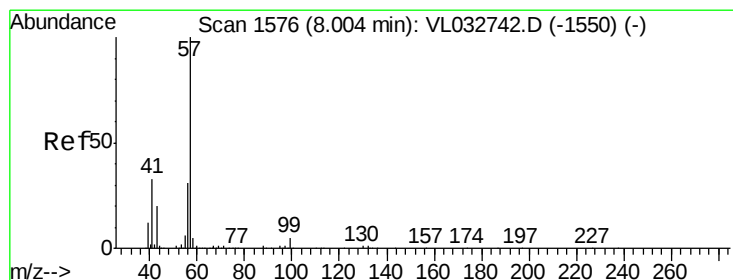
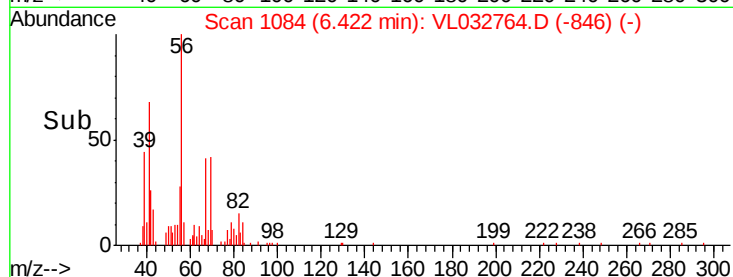
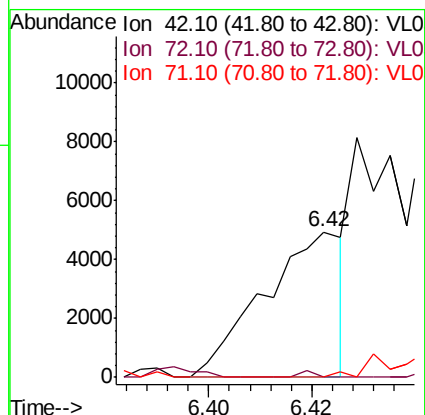
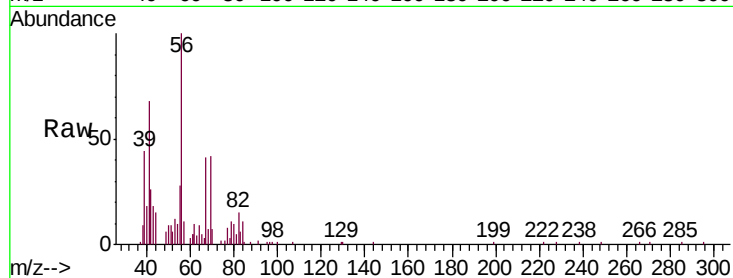




#41  
Tetrahydrofuran  
Concen: 0.053 ppbv  
RT: 6.42 min Scan# 1084  
Delta R.T. 0.26 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

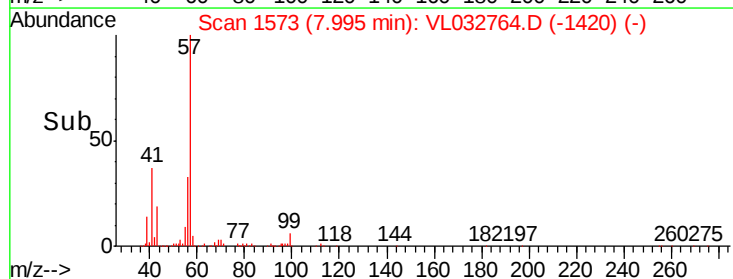
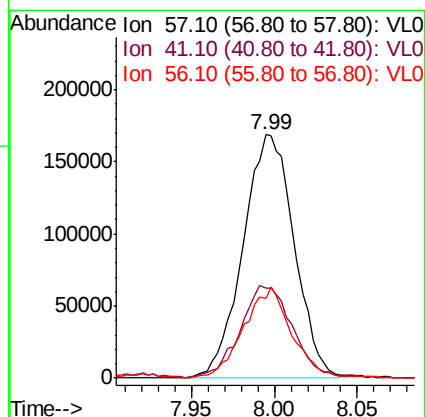
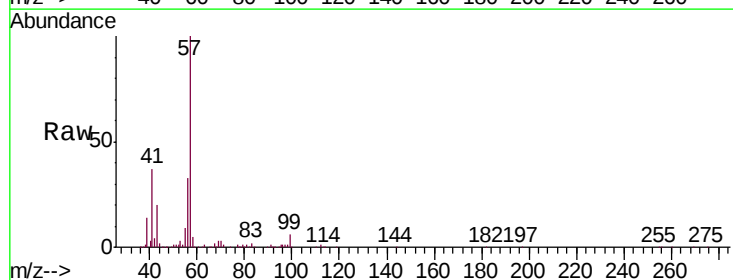
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

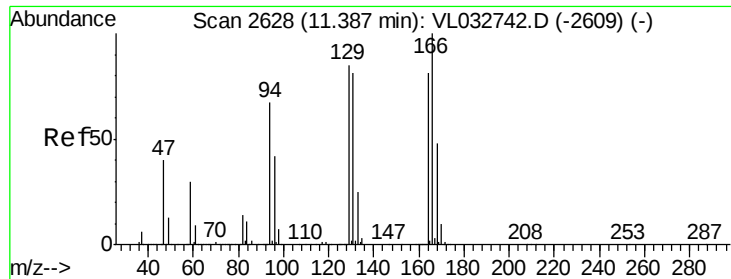
Tgt Ion: 42 Resp: 5298  
Ion Ratio Lower Upper  
42 100  
72 3.8 32.4 48.6#  
71 0.0 31.6 47.4#



#44  
2,2,4-Trimethylpentane  
Concen: 0.806 ppbv  
RT: 7.99 min Scan# 1573  
Delta R.T. -0.01 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

Tgt Ion: 57 Resp: 362001  
Ion Ratio Lower Upper  
57 100  
41 40.1 26.6 39.8#  
56 35.6 24.8 37.2





#52

Tetrachloroethene

Concen: 0.814 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

OA1

Tgt Ion:164 Resp: 76119

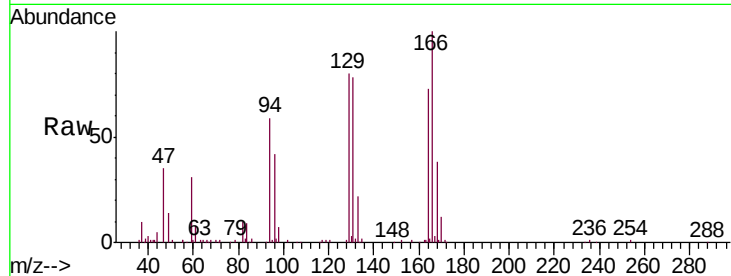
Ion Ratio Lower Upper

164 100

166 137.3 99.3 148.9

129 108.7 83.9 125.9

131 108.9 80.8 121.2

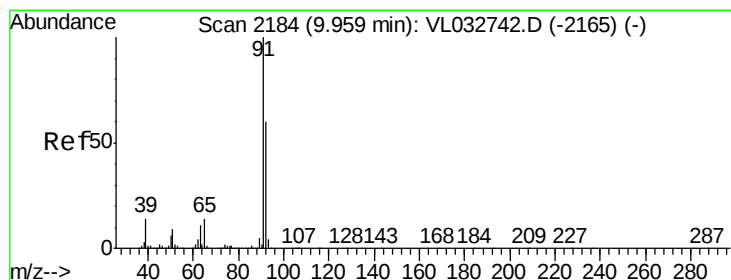
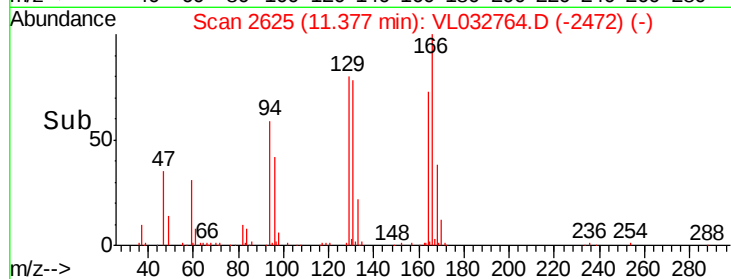
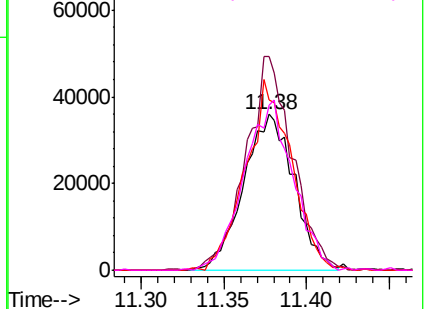


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.734 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL032764.D

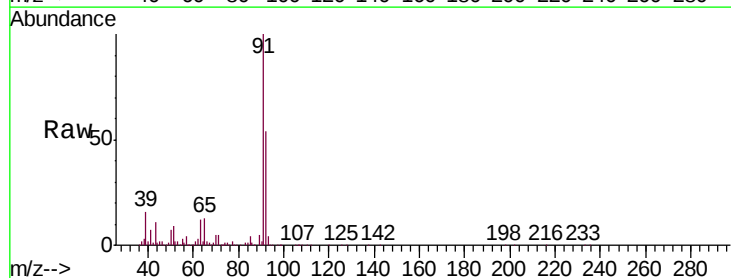
Acq: 14 Nov 2018 18:26

Tgt Ion: 91 Resp: 486202

Ion Ratio Lower Upper

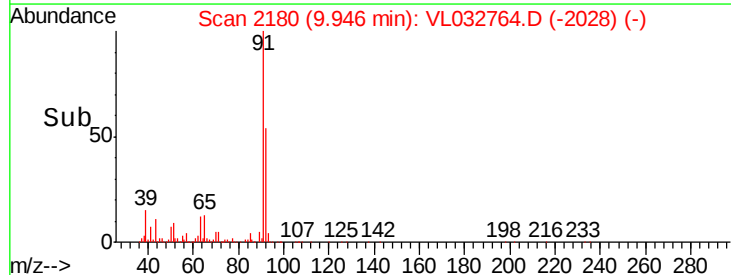
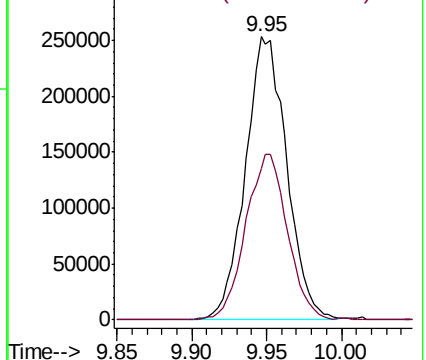
91 100

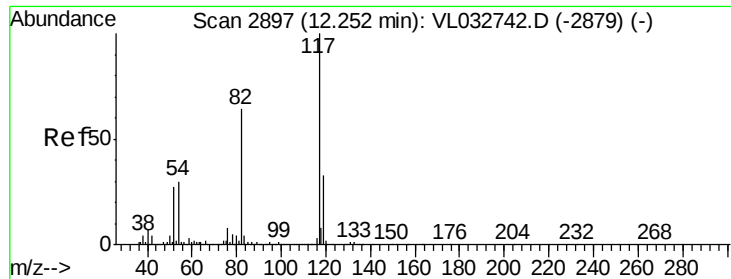
92 59.5 47.9 71.9



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: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

OA1

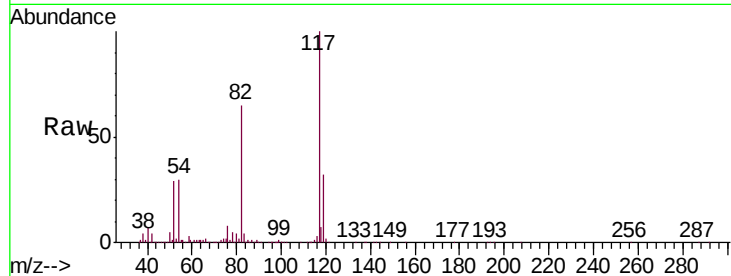
Tgt Ion:117 Resp: 3068536

Ion Ratio Lower Upper

117 100

82 65.6 51.0 76.6

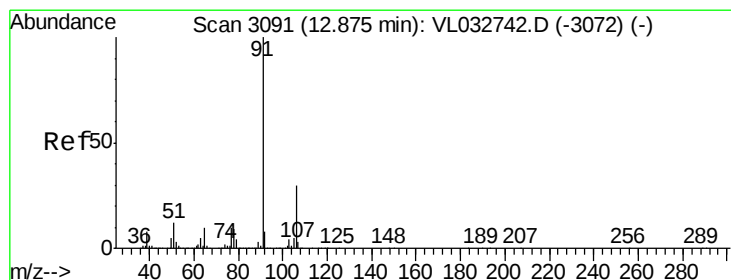
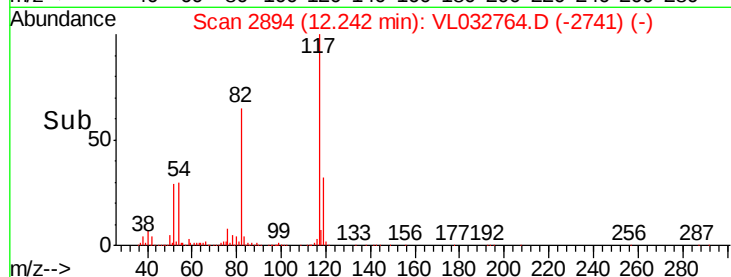
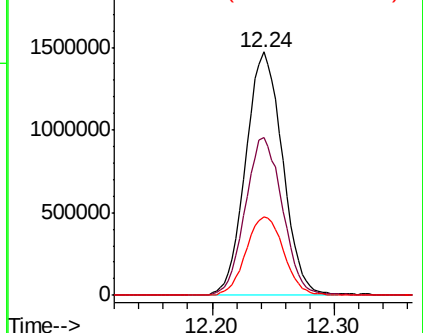
119 33.1 28.0 42.0



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: 0.069 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032764.D

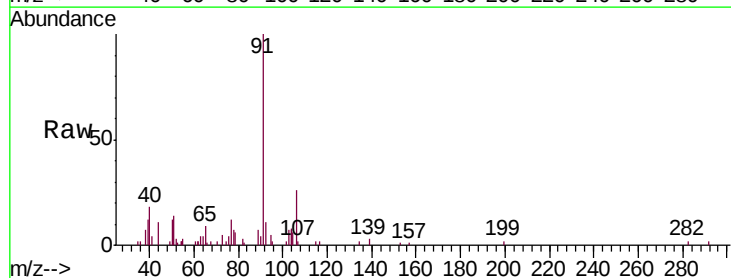
Acq: 14 Nov 2018 18:26

Tgt Ion: 91 Resp: 25635

Ion Ratio Lower Upper

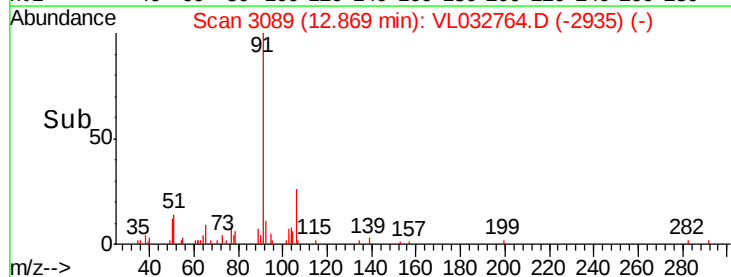
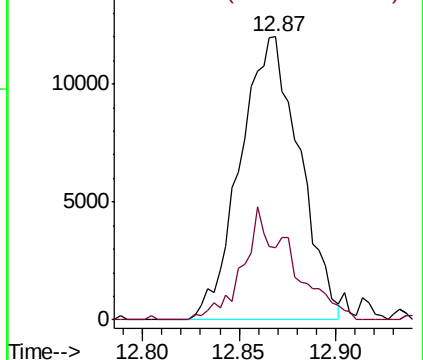
91 100

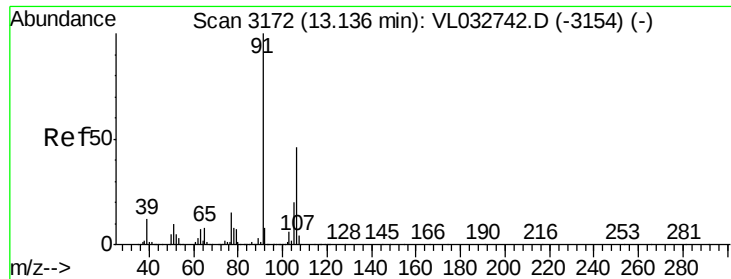
106 25.6 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

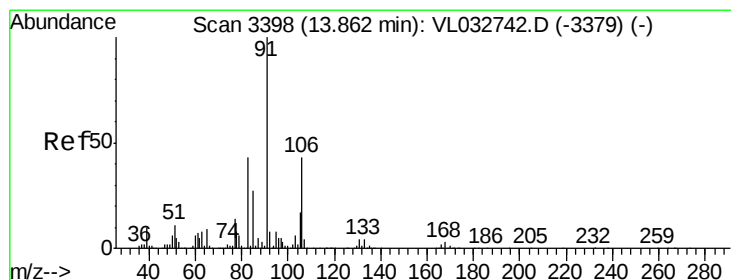
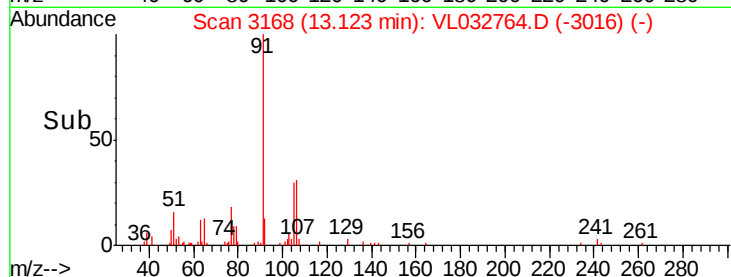
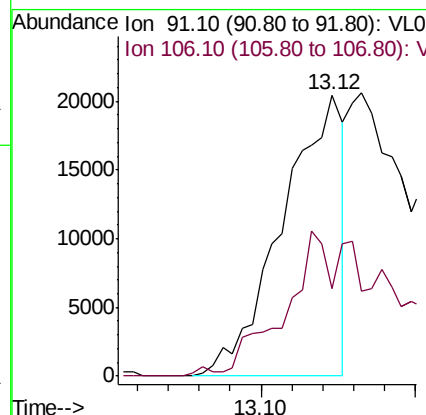
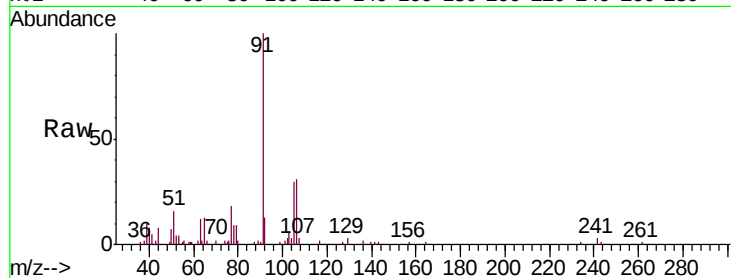




#59  
m/p-Xylene  
Concen: 0.085 ppbv  
RT: 13.12 min Scan# 3168  
Delta R.T. -0.01 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

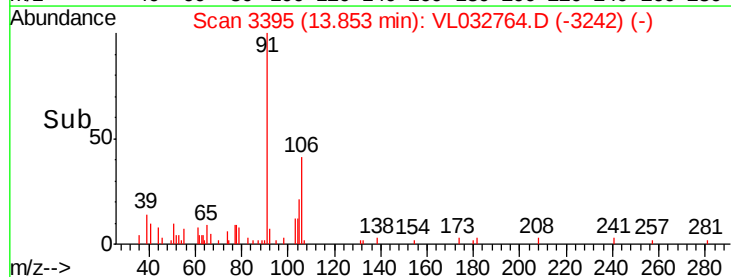
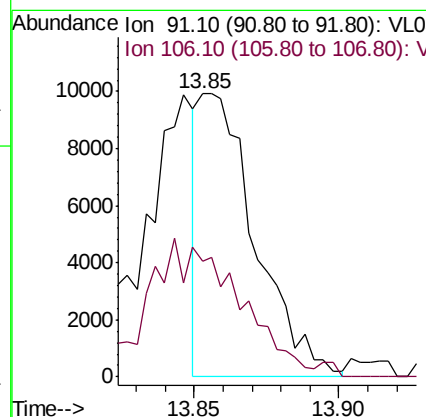
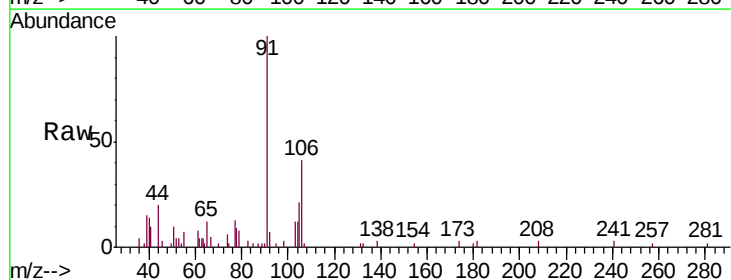
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

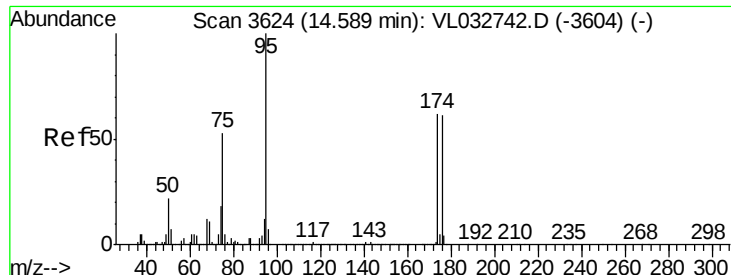
Tgt Ion: 91 Resp: 27867  
Ion Ratio Lower Upper  
91 100  
106 112.0 36.1 54.1#



#60  
o-Xylene  
Concen: 0.040 ppbv  
RT: 13.85 min Scan# 3395  
Delta R.T. -0.01 min  
Lab File: VL032764.D  
Acq: 14 Nov 2018 18:26

Tgt Ion: 91 Resp: 13327  
Ion Ratio Lower Upper  
91 100  
106 0.0 21.9 65.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.772 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032764.D

Acq: 14 Nov 2018 18:26

Instrument :

MSVOA\_L

ClientSampleId :

OA1

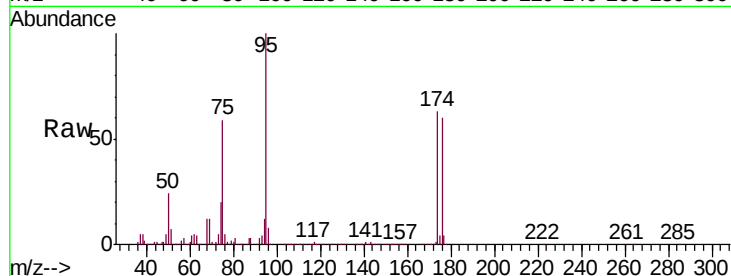
Tgt Ion: 95 Resp: 2242791

Ion Ratio Lower Upper

95 100

174 64.5 50.7 76.1

175 4.5 3.8 5.6



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

