

Data Path : W:\HPCHEM1\MSVOA\_L\DATA\VL072715\  
 Data File : VL025756.D  
 Acq On : 27 Jul 2015 16:51  
 Operator : SY/MD  
 Sample : G3092-01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 A-221-B

Manual Integrations  
 APPROVED

MMDadoda  
 7/28/2015 12:56:52 PM

Quant Time: Jul 28 11:17:30 2015

Quant Method : W:\HPCHEM1\MSVOA\_L\METHODS\VL070715AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 0

QLast Update : Wed Jul 08 02:22:55 2015

Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 6.65  | 49   | 849134   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 8.32  | 114  | 2190239  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 13.79 | 117  | 2498276  | 10.00 | ppbv  | 0.04     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 16.32  | 95    | 1845809  | 8.76     | ppbv | 0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 87.60% |

#### Target Compounds

|                            |       |     |          |        |        | Qvalue |
|----------------------------|-------|-----|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.64  | 85  | 52339    | 0.24   | ppbv   | 97     |
| 3) Chlorodifluoromethane   | 3.57  | 51  | 135638m  | 1.13   | ppbv   |        |
| 4) Chloromethane           | 3.75  | 50  | 28052    | 0.51   | ppbv   | 94     |
| 9) Propene                 | 3.60  | 41  | 273457m  | 6.88   | ppbv   |        |
| 10) Heptane                | 9.35  | 43  | 44613    | 0.29   | ppbv   | 100    |
| 11) Trichlorofluoromethane | 4.69  | 101 | 56517    | 0.20   | ppbv   | 94     |
| 13) Ethanol                | 4.32  | 45  | 463521   | 74.99  | ppbv   | 98     |
| 15) Acetone                | 4.60  | 43  | 1102164  | 7.35   | ppbv   | 99     |
| 17) tert-Butyl alcohol     | 5.14  | 59  | 29259    | 0.23   | ppbv   | 95     |
| 19) Isopropyl Alcohol      | 4.75  | 45  | 400242   | 6.68   | ppbv # | 1      |
| 20) Methylene Chloride     | 5.15  | 84  | 417273   | 6.85   | ppbv   | 97     |
| 25) Ethyl Acetate          | 6.66  | 43  | 135253   | 0.60   | ppbv # | 85     |
| 26) Hexane                 | 6.66  | 57  | 169797   | 1.59   | ppbv # | 51     |
| 27) Carbon Disulfide       | 5.40  | 76  | 20348    | 0.12   | ppbv # | 53     |
| 29) Chloroform             | 6.74  | 83  | 24065    | 0.11   | ppbv   | 91     |
| 30) Cyclohexane            | 8.28  | 84  | 53098    | 0.52   | ppbv # | 33     |
| 34) 2-Butanone             | 6.21  | 43  | 73813    | 0.59   | ppbv   | 96     |
| 35) Carbon Tetrachloride   | 8.16  | 117 | 14469    | 0.06   | ppbv # | 93     |
| 36) Benzene                | 8.02  | 78  | 68781    | 0.33   | ppbv   | 94     |
| 38) Trichloroethene        | 9.07  | 130 | 73111    | 0.75   | ppbv   | 94     |
| 41) Tetrahydrofuran        | 7.14  | 42  | 20358    | 0.33   | ppbv # | 87     |
| 44) 2,2,4-Trimethylpentane | 9.09  | 57  | 153934   | 0.43   | ppbv # | 75     |
| 50) 4-Methyl-2-Pentanone   | 10.09 | 43  | 564746   | 3.15   | ppbv   | 99     |
| 52) Tetrachloroethene      | 12.91 | 164 | 46313207 | 440.21 | ppbv   | 87     |
| 53) Toluene                | 11.24 | 91  | 342550   | 1.16   | ppbv   | 99     |
| 58) Ethyl Benzene          | 14.46 | 91  | 128674   | 0.31   | ppbv   | 96     |
| 59) m/p-Xylene             | 14.73 | 91  | 328351   | 0.91   | ppbv   | 98     |
| 60) o-Xylene               | 15.53 | 91  | 223812   | 0.57   | ppbv   | 100    |
| 61) Styrene                | 15.35 | 104 | 13313    | 0.10   | ppbv   | 92     |
| 62) Isopropylbenzene       | 16.57 | 105 | 62851    | 0.12   | ppbv   | 99     |
| 64) n-propylbenzene        | 17.54 | 120 | 94217    | 0.68   | ppbv   | 93     |
| 72) 4-Ethyltoluene         | 17.84 | 105 | 593321   | 1.37   | ppbv   | 94     |
| 73) 1,3,5-Trimethylbenzene | 18.00 | 105 | 422512   | 1.00   | ppbv   | 96     |
| 74) 1,2,4-Trimethylbenzene | 18.85 | 105 | 1452693  | 3.06   | ppbv # | 68     |
| 79) Naphthalene            | 23.94 | 128 | 98421    | 0.21   | ppbv   | 95     |

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

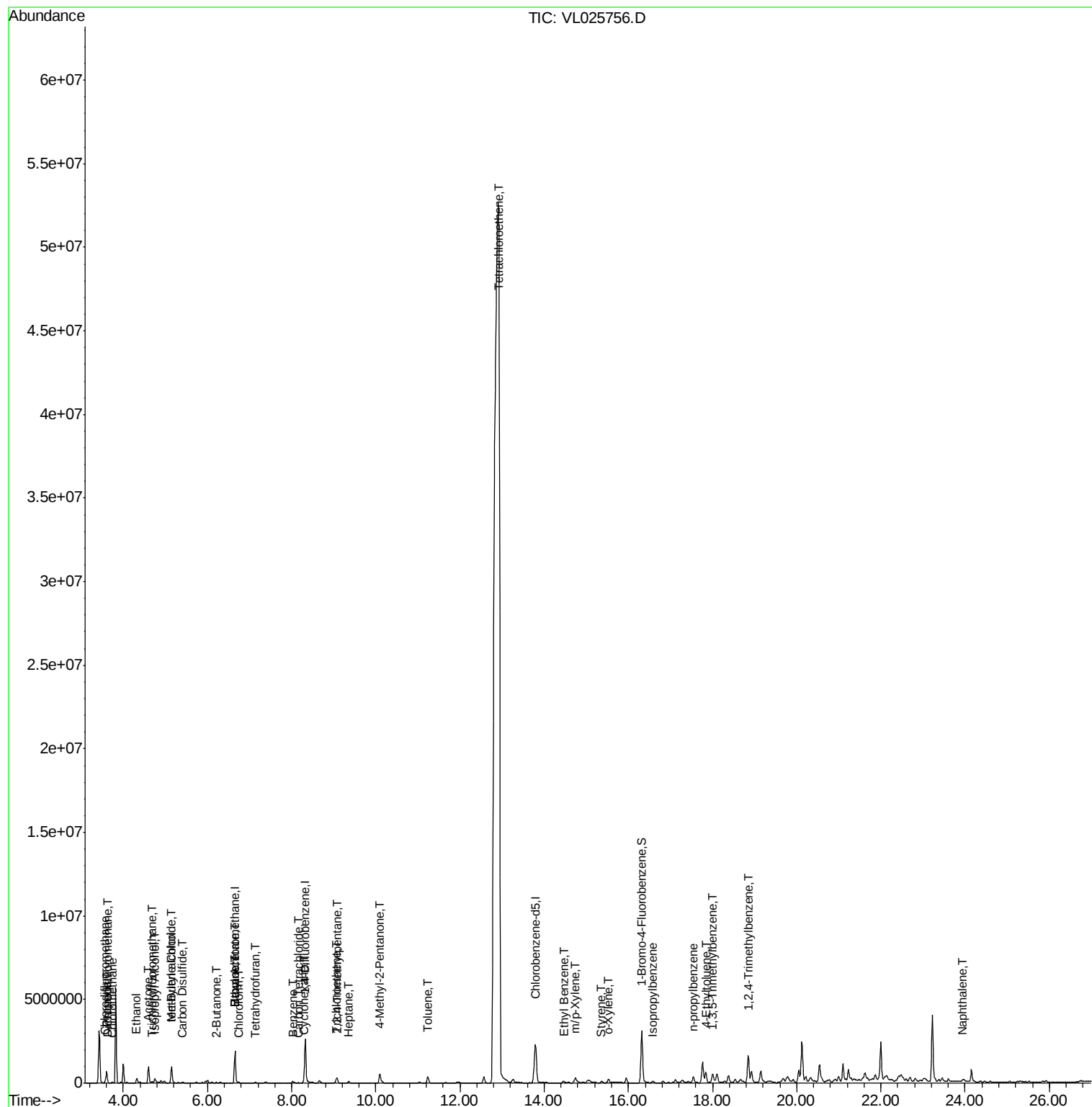
Data Path : W:\HPCHEM1\MSVOA\_L\DATA\VL072715\  
Data File : VL025756.D  
Acq On : 27 Jul 2015 16:51  
Operator : SY/MD  
Sample : G3092-01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

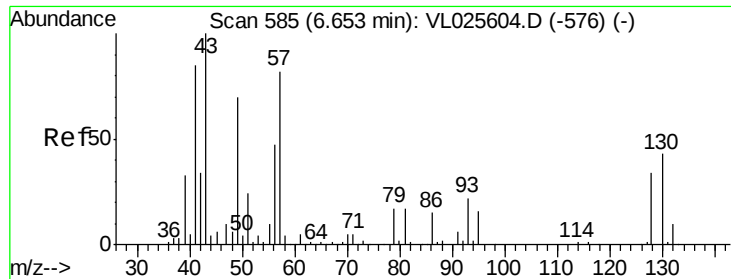
Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

Quant Time: Jul 28 11:17:30 2015  
Quant Method : W:\HPCHEM1\MSVOA\_L\METHODS\VL070715AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul  
QLast Update : Wed Jul 08 02:22:55 2015  
Response via : Initial Calibration

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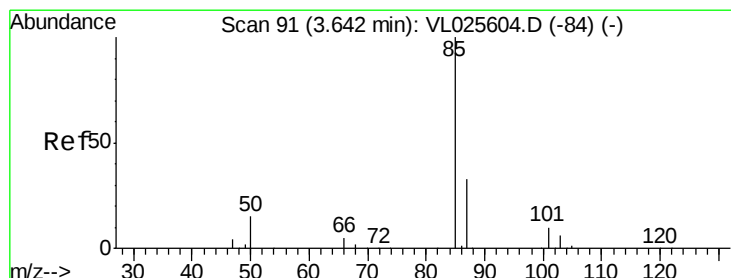
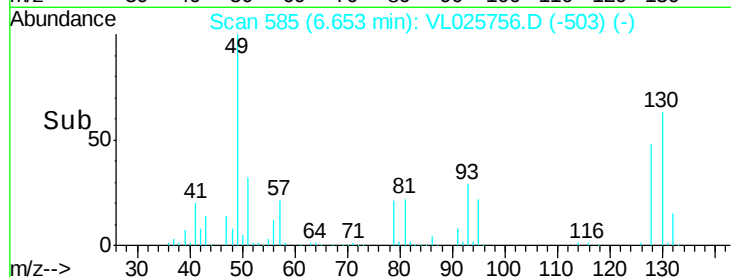
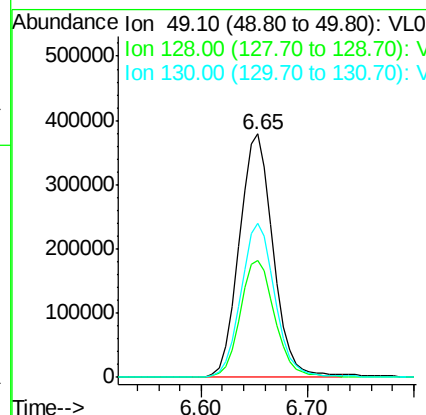
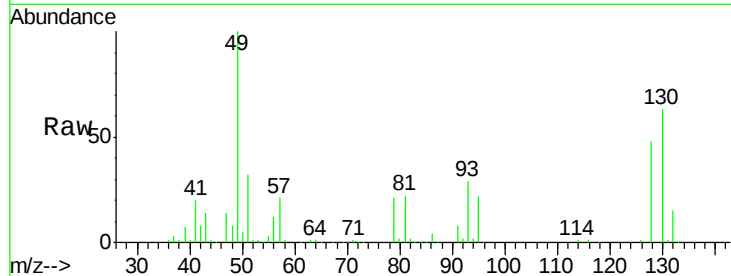
#1  
 Bromochloromethane  
 Concen: 10.00 ppbv  
 RT: 6.65 min Scan# 585  
 Delta R.T. -0.00 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 A-221-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 128     | 49.6  | 25.4  | 76.0  |
| 130     | 64.5  | 31.9  | 95.9  |

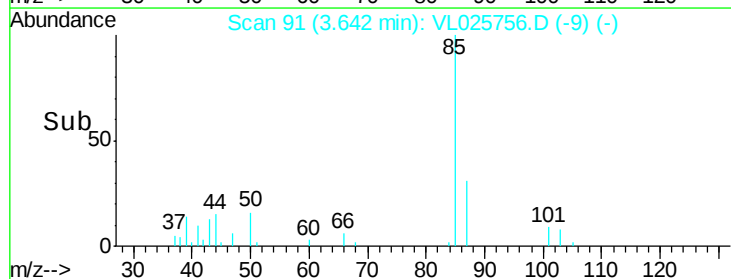
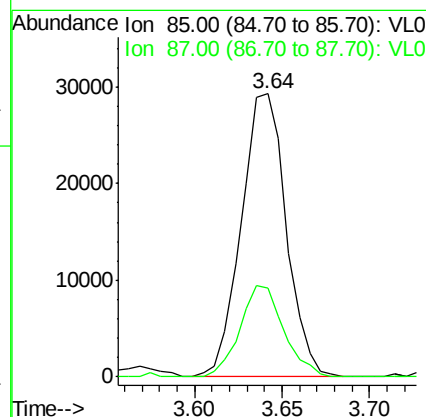
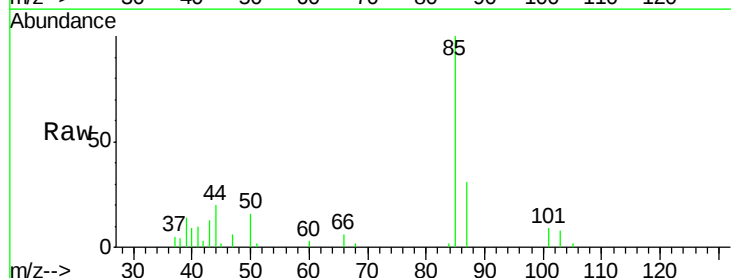
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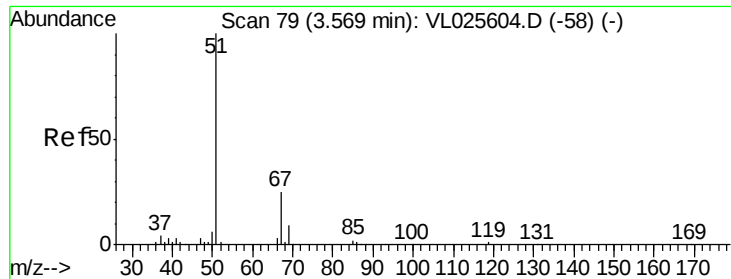
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#2  
 Dichlorodifluoromethane  
 Concen: 0.24 ppbv  
 RT: 3.64 min Scan# 91  
 Delta R.T. -0.00 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.4  | 26.5  | 39.7  |





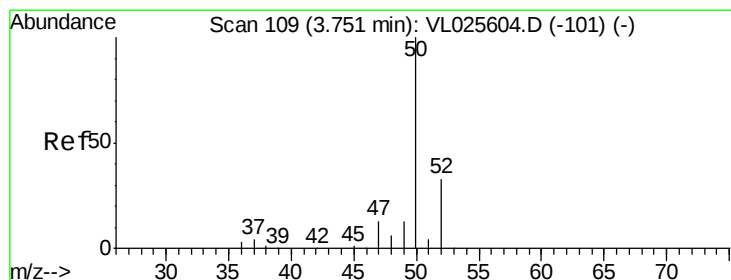
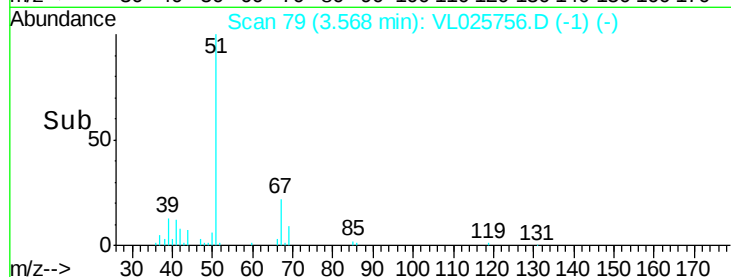
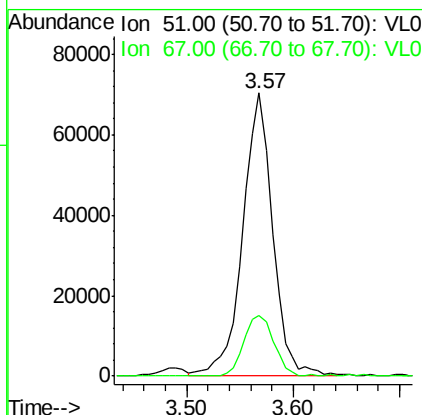
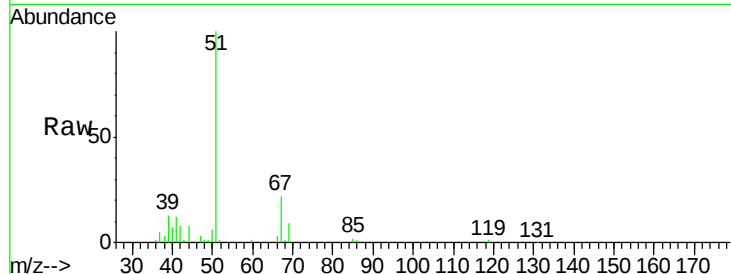
#3  
Chlorodifluoromethane  
Concen: 1.13 ppbv m  
RT: 3.57 min Scan# 79  
Delta R.T. -0.00 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 51      | 100   |       |       |
| 67      | 21.5  | 19.5  | 29.3  |

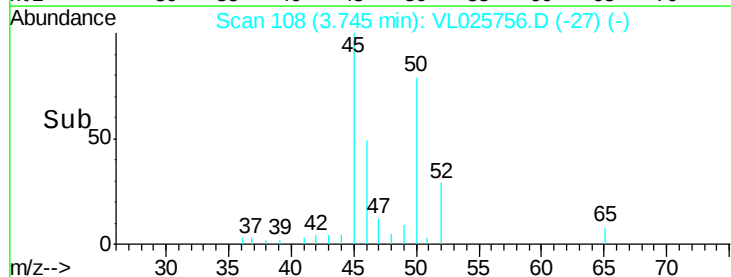
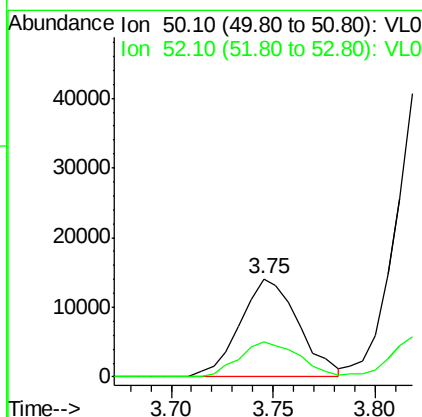
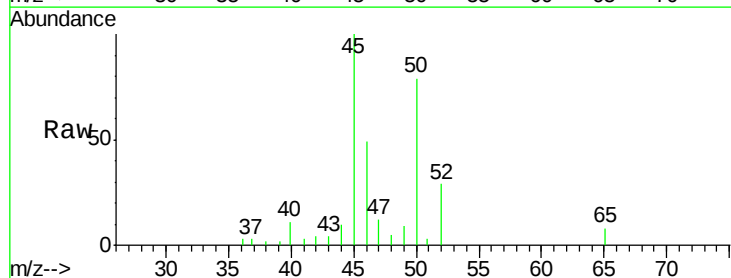
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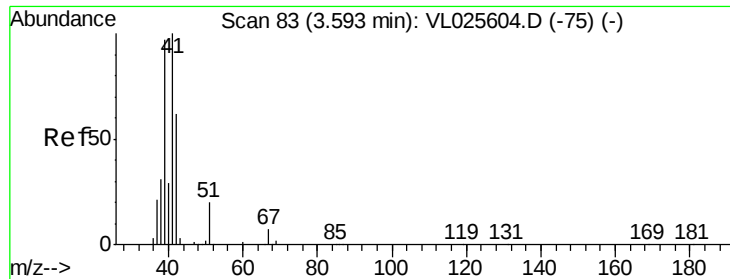
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#4  
Chloromethane  
Concen: 0.51 ppbv  
RT: 3.75 min Scan# 108  
Delta R.T. -0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 36.0  | 26.2  | 39.2  |





#9

Propene

Concen: 6.88 ppbv m

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Instrument :

MSVOA\_L

ClientSampled :

A-221-B

Tgt Ion: 41 Resp: 273457

Ion Ratio Lower Upper

41 100

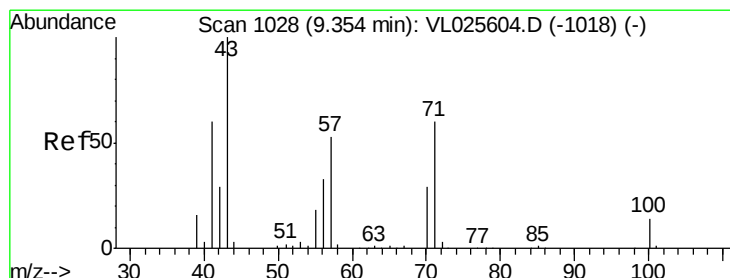
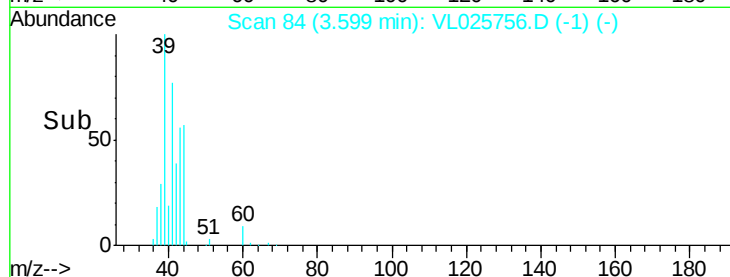
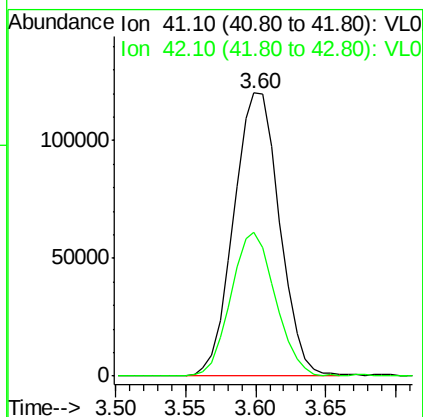
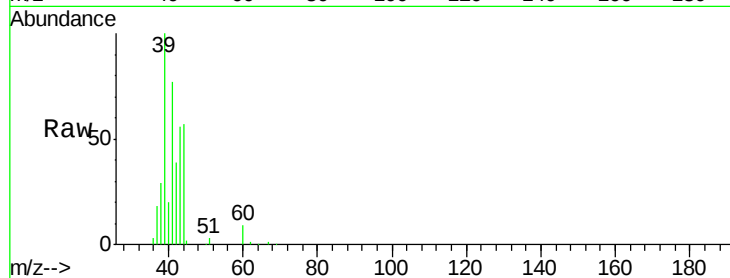
42 503.3 52.4 78.6#

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#10

Heptane

Concen: 0.29 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VL025756.D

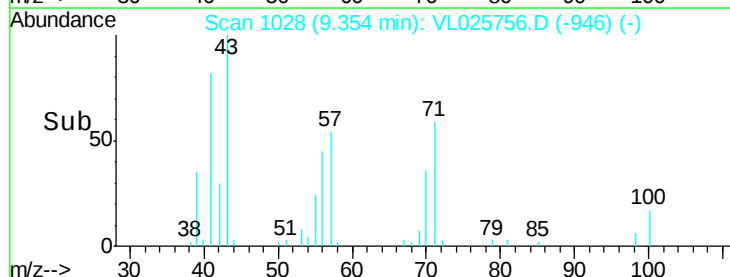
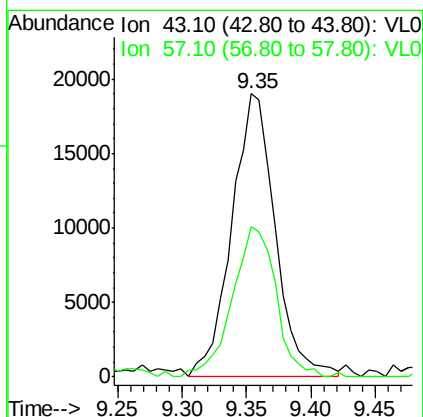
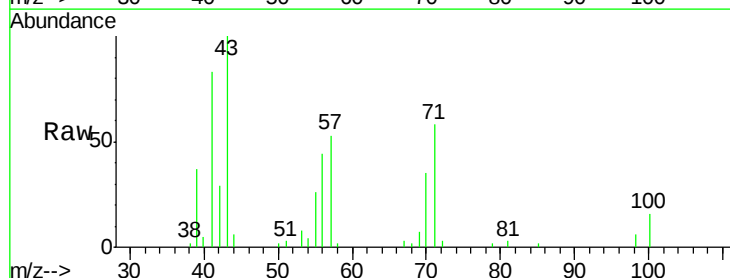
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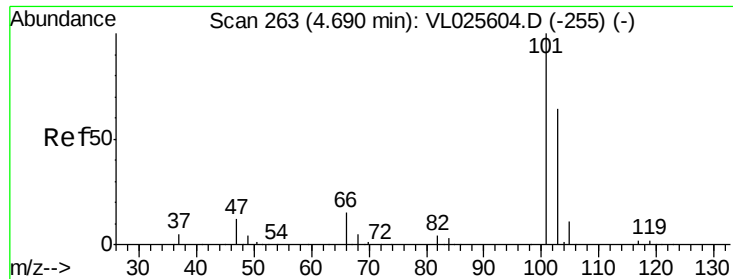
Tgt Ion: 43 Resp: 44613

Ion Ratio Lower Upper

43 100

57 53.2 42.6 64.0





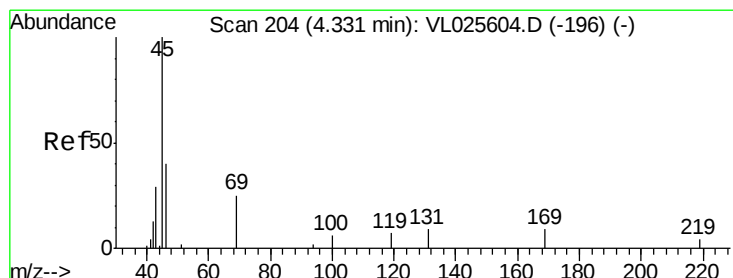
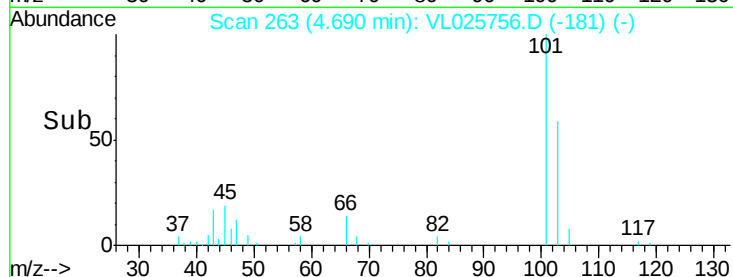
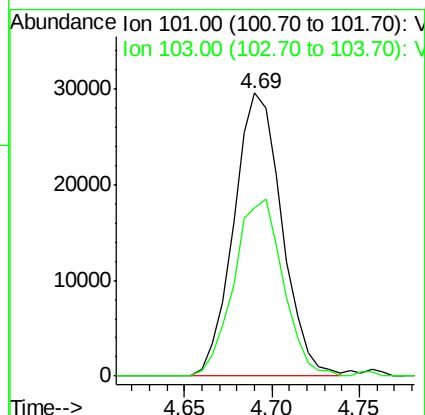
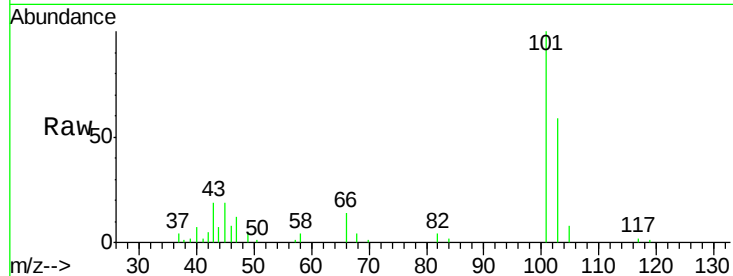
#11  
 Trichlorofluoromethane  
 Concen: 0.20 ppbv  
 RT: 4.69 min Scan# 263  
 Delta R.T. -0.00 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-221-B

Tgt Ion:101 Resp: 56517  
 Ion Ratio Lower Upper  
 101 100  
 103 59.4 51.4 77.2

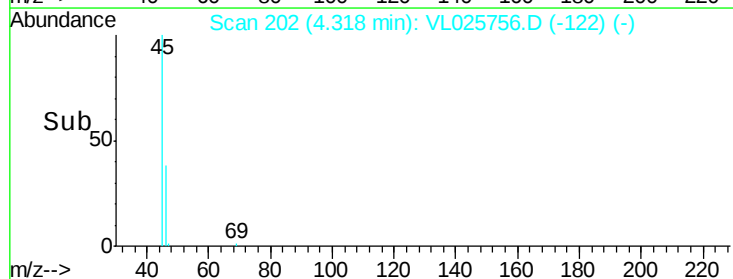
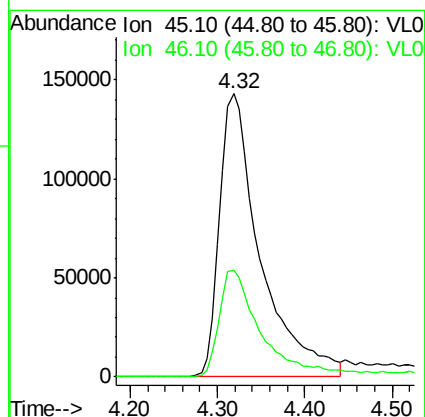
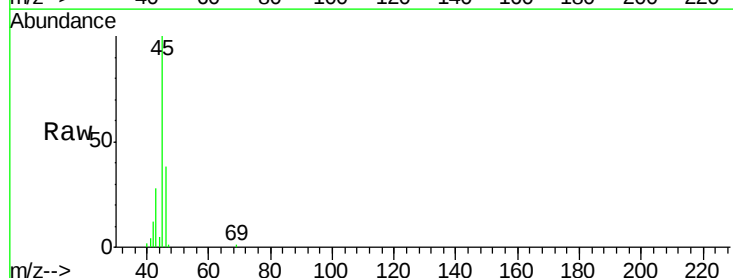
Manual Integrations  
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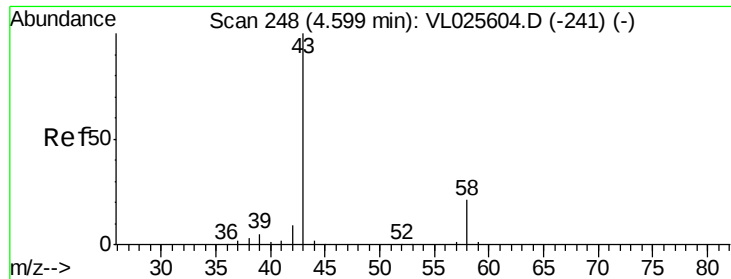
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 7/28/2015 12:56:52 PM



#13  
 Ethanol  
 Concen: 74.99 ppbv  
 RT: 4.32 min Scan# 202  
 Delta R.T. -0.01 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Tgt Ion: 45 Resp: 463521  
 Ion Ratio Lower Upper  
 45 100  
 46 41.2 16.0 64.0





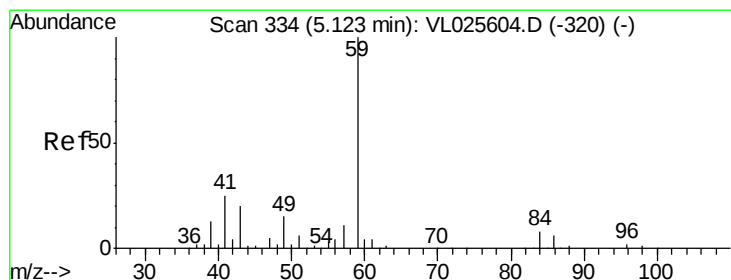
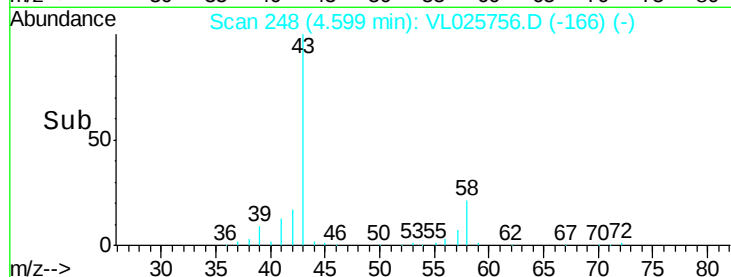
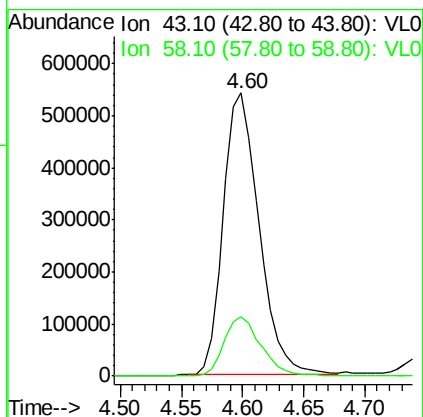
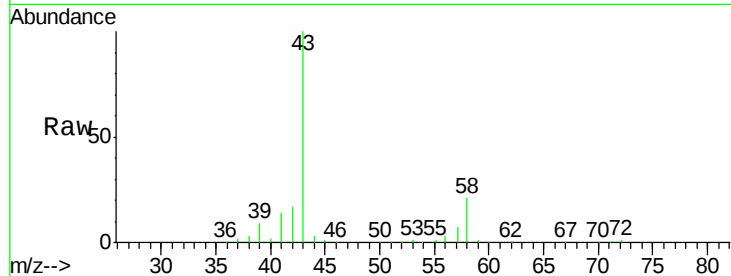
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Acetone  
Concen: 7.35 ppbv  
RT: 4.60 min Scan# 248  
Delta R.T. -0.00 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

Tgt Ion: 43 Resp: 1102164  
Ion Ratio Lower Upper  
43 100  
58 22.2 17.2 25.8

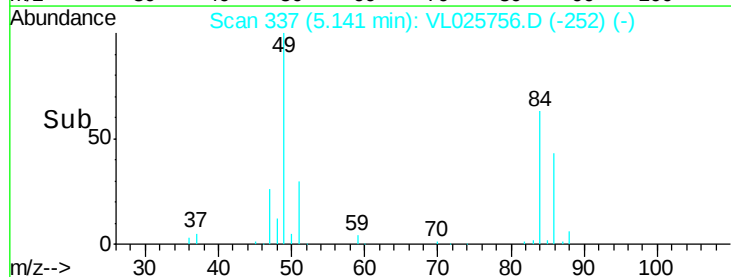
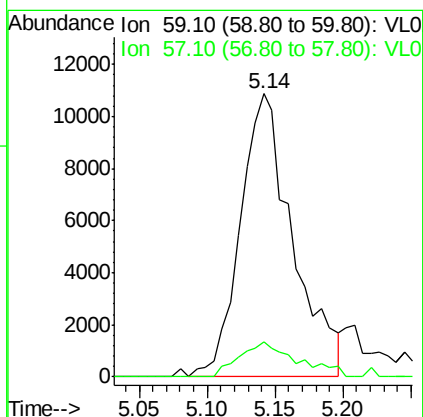
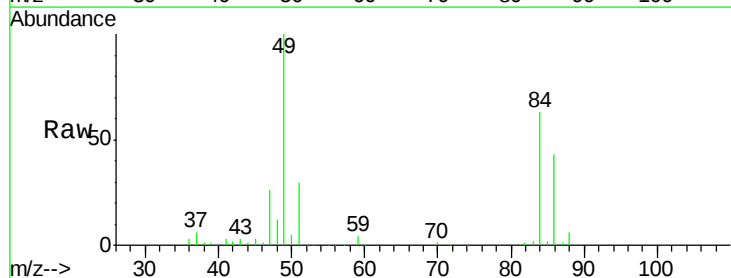
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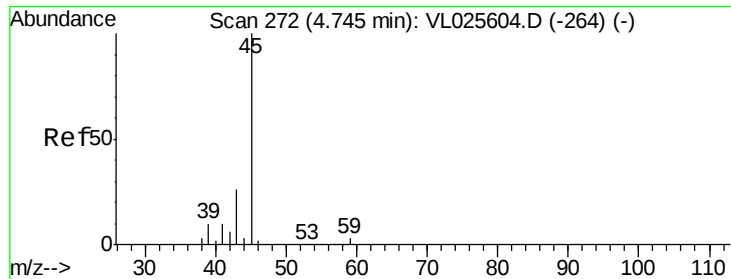
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#17  
tert-Butyl alcohol  
Concen: 0.23 ppbv  
RT: 5.14 min Scan# 337  
Delta R.T. 0.02 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Tgt Ion: 59 Resp: 29259  
Ion Ratio Lower Upper  
59 100  
57 13.9 9.4 14.2





#19

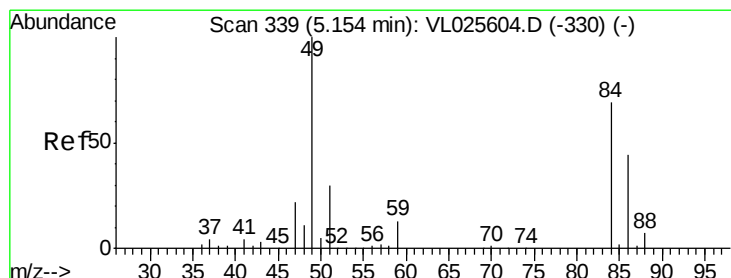
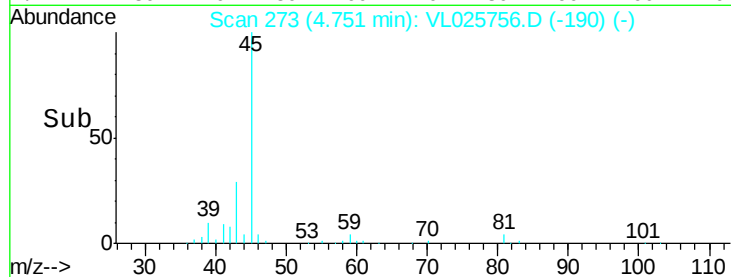
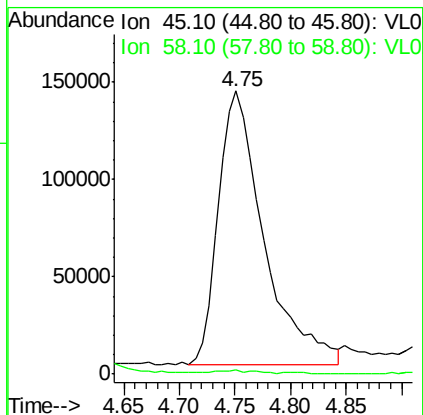
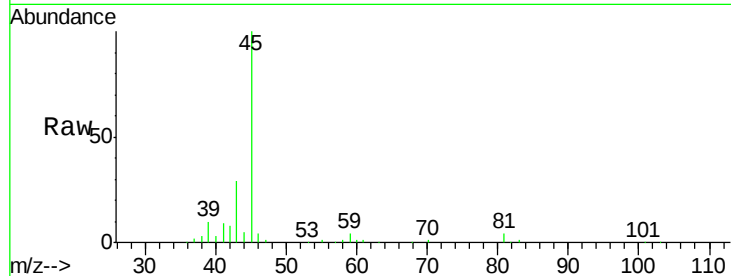
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 Concen: 6.68 ppbv  
 RT: 4.75 min Scan# 273  
 Delta R.T. 0.01 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-221-B

Tgt Ion: 45 Resp: 400242  
 Ion Ratio Lower Upper  
 45 100  
 58 61.0 1.1 1.7#

Manual Integrations  
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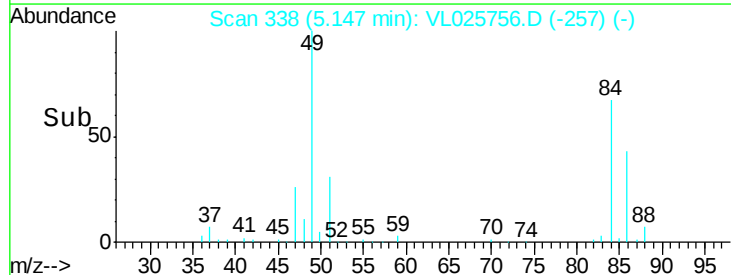
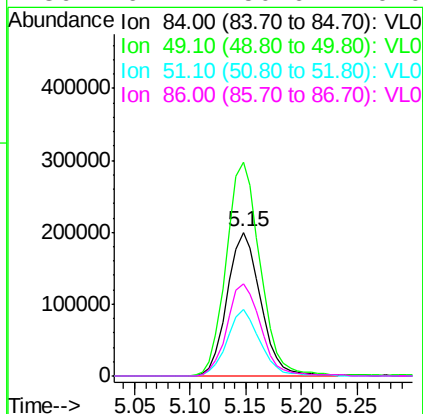
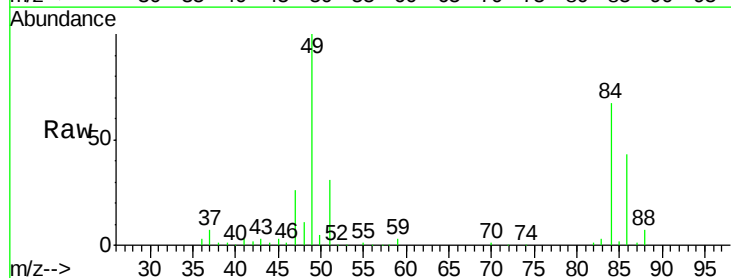
MMDadoda  
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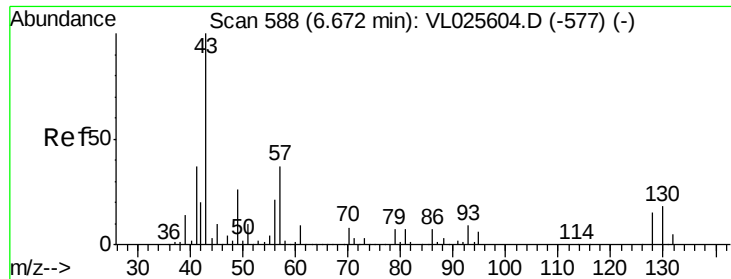


#20

Methylene Chloride  
 Concen: 6.85 ppbv  
 RT: 5.15 min Scan# 338  
 Delta R.T. -0.01 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Tgt Ion: 84 Resp: 417273  
 Ion Ratio Lower Upper  
 84 100  
 49 148.3 115.2 172.8  
 51 46.1 35.0 52.6  
 86 64.4 50.6 76.0





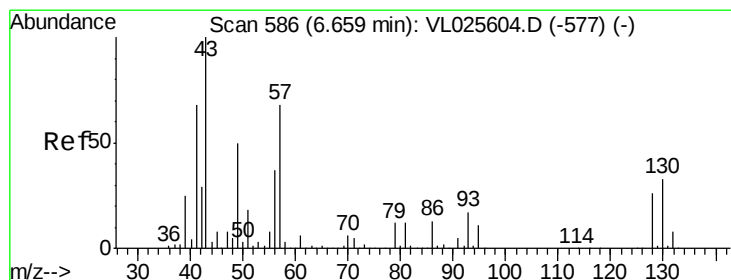
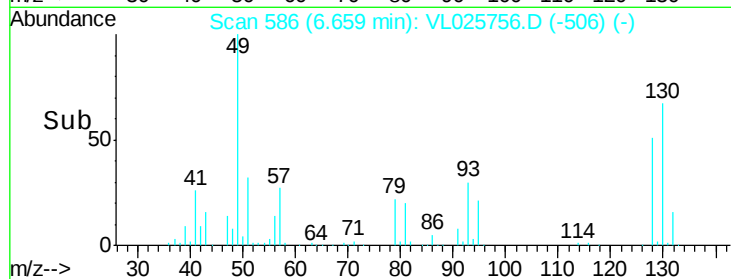
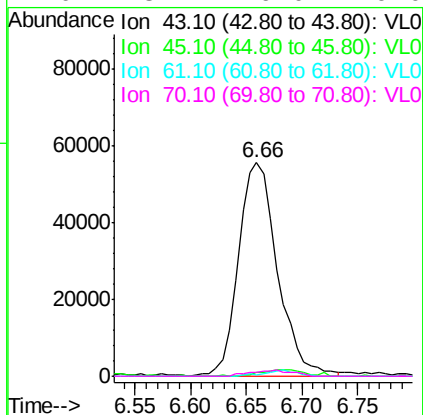
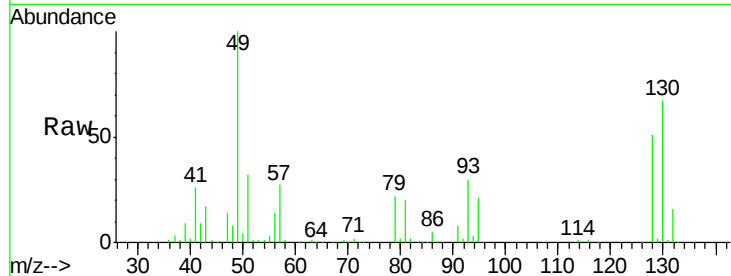
#25  
Ethyl Acetate  
Concen: 0.60 ppbv  
RT: 6.66 min Scan# 586  
Delta R.T. -0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 45      | 3.8   | 7.5   | 11.3# |
| 61      | 2.4   | 6.6   | 10.0# |
| 70      | 3.1   | 6.0   | 9.0#  |

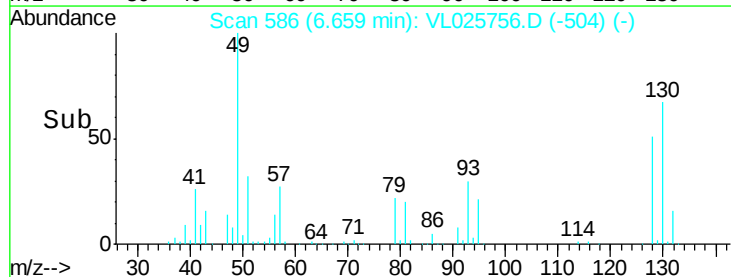
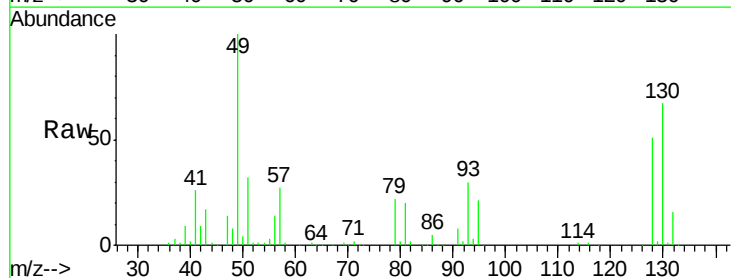
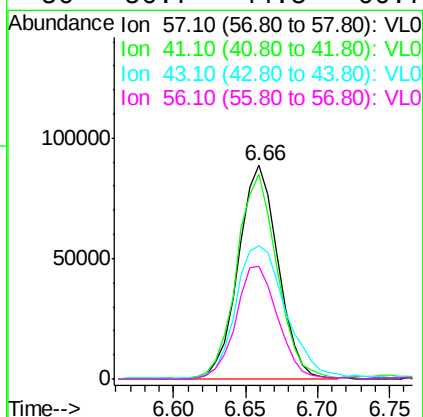
Manual Integrations  
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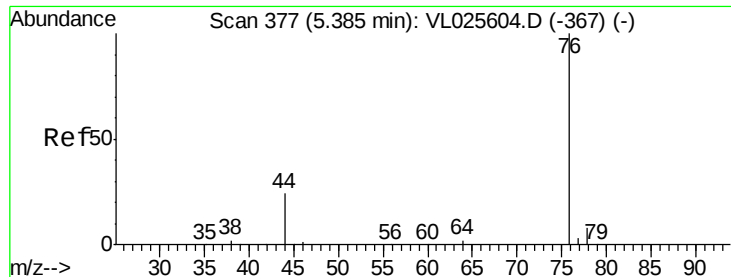
MMDadoda  
7/28/2015 12:56:52 PM



#26  
Hexane  
Concen: 1.59 ppbv  
RT: 6.66 min Scan# 586  
Delta R.T. -0.00 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 57      | 100   |       |        |
| 41      | 100.7 | 81.4  | 122.2  |
| 43      | 82.0  | 171.4 | 257.2# |
| 56      | 56.7  | 44.5  | 66.7   |





#27

Carbon Disulfide

Concen: 0.12 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.01 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Instrument :

MSVOA\_L

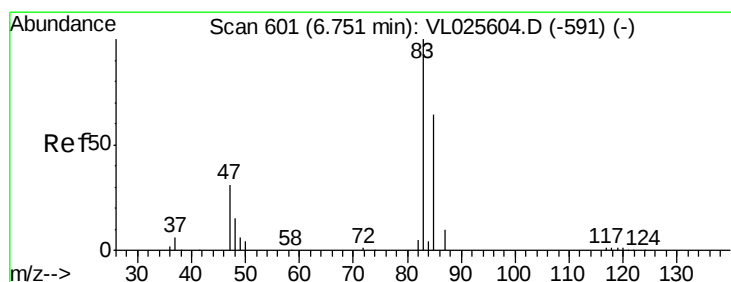
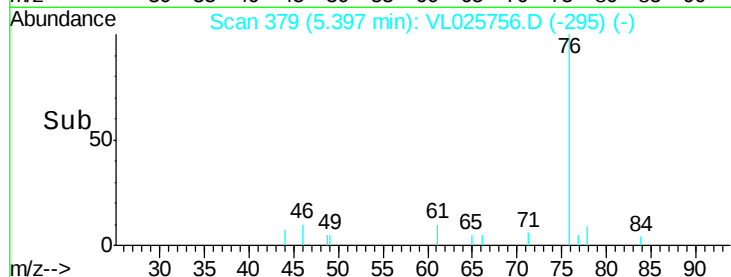
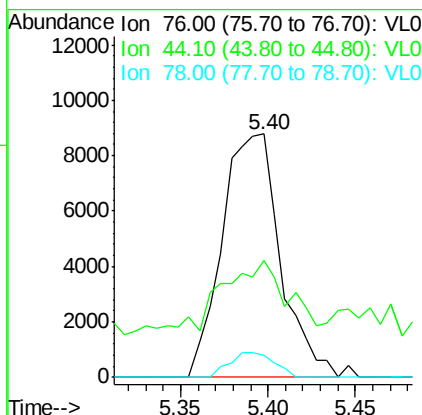
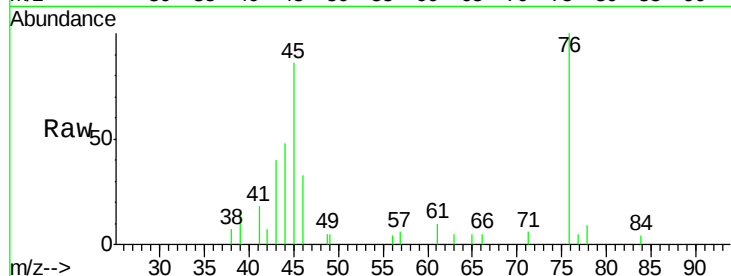
ClientSampleId :

A-221-B

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 76    | Resp: | 20348 |
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 44        | 56.9  | 20.2  | 30.4# |
| 78        | 7.7   | 7.4   | 11.2  |

Manual Integrations  
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#29

Chloroform

Concen: 0.11 ppbv

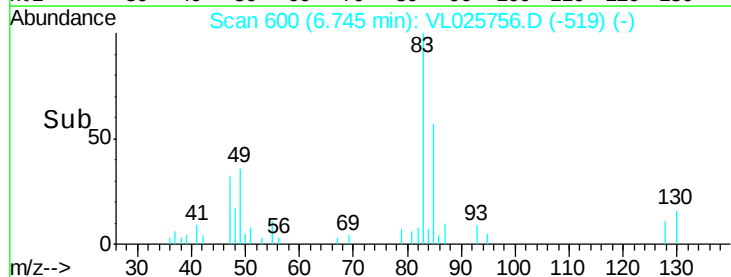
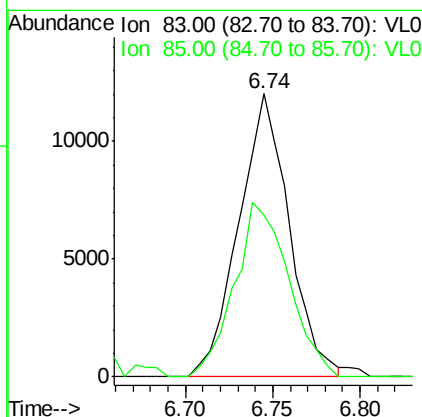
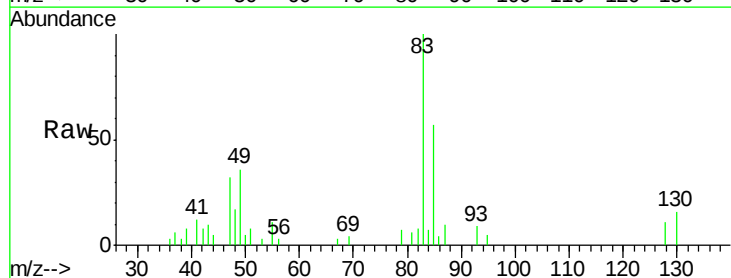
RT: 6.74 min Scan# 600

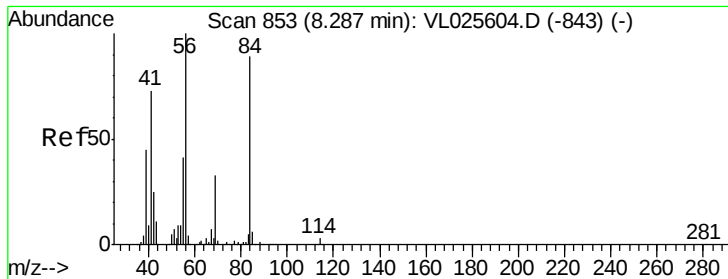
Delta R.T. -0.01 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 24065 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 57.2  | 51.6  | 77.4  |





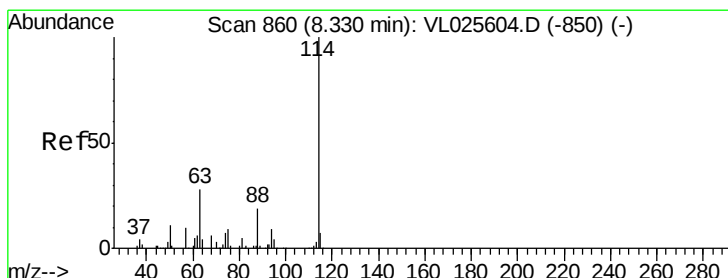
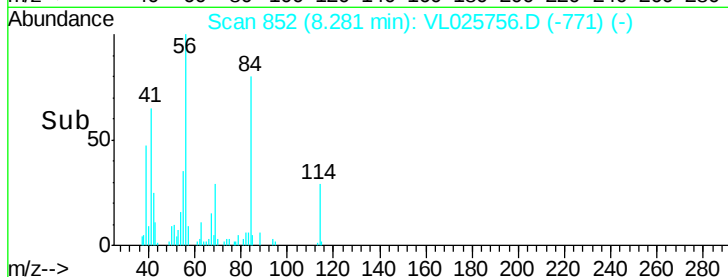
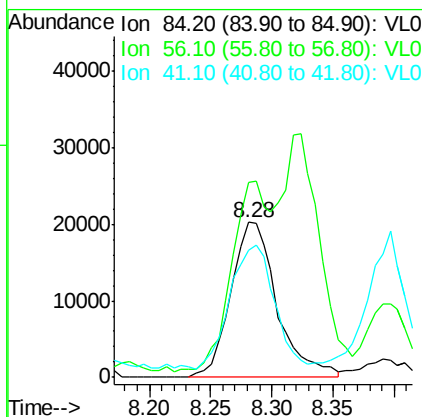
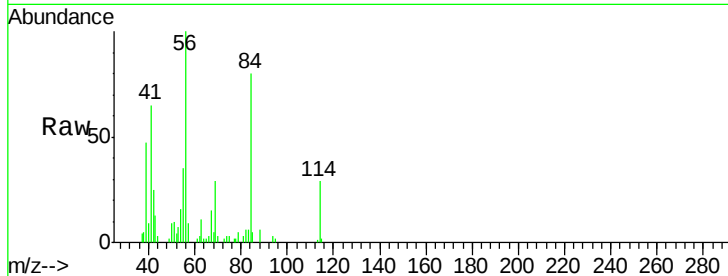
#30  
Cyclohexane  
Concen: 0.52 ppbv  
RT: 8.28 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 84      | 100   |       |        |
| 56      | 243.5 | 97.5  | 146.3# |
| 41      | 87.4  | 65.4  | 98.2   |

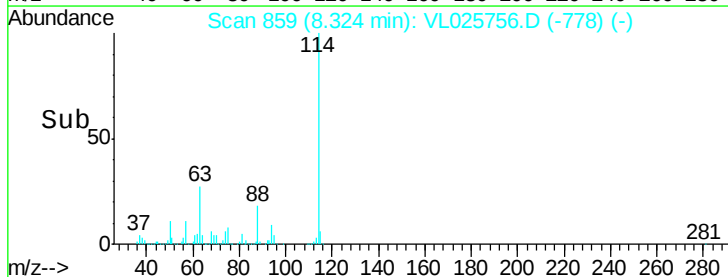
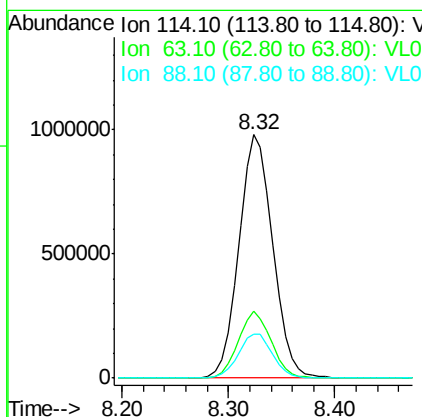
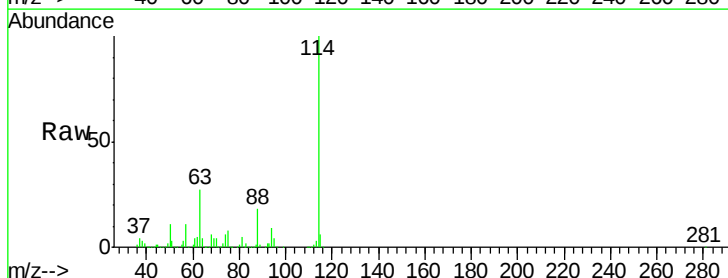
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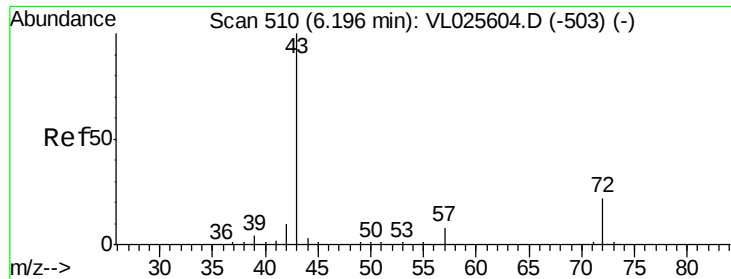
MMDadoda  
7/28/2015 12:56:52 PM



#33  
1,4-Difluorobenzene  
Concen: 10.00 ppbv  
RT: 8.32 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 26.8  | 22.4  | 33.6  |
| 88      | 18.5  | 15.0  | 22.4  |





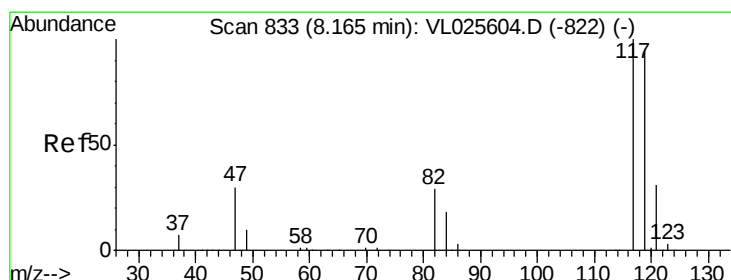
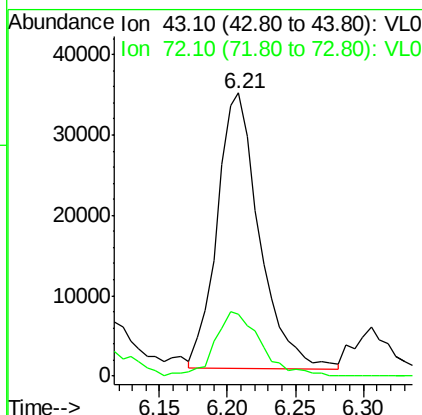
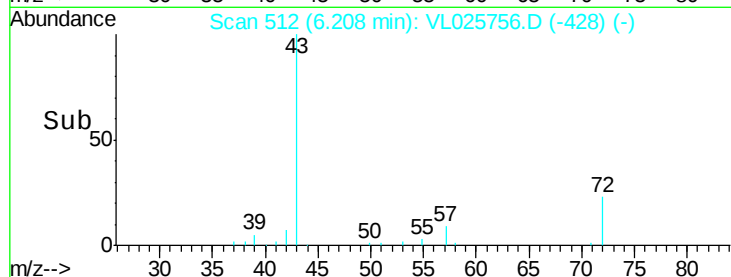
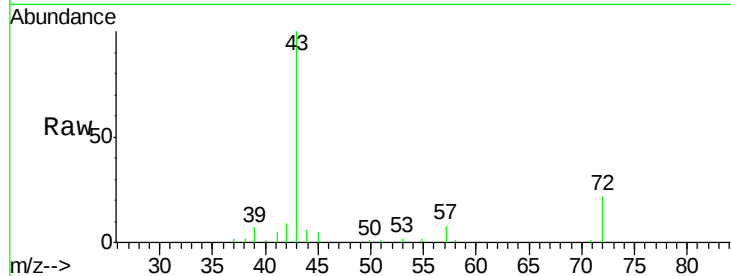
#34  
2-Butanone  
Concen: 0.59 ppbv  
RT: 6.21 min Scan# 512  
Delta R.T. 0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

Tgt Ion: 43 Resp: 73813  
Ion Ratio Lower Upper  
43 100  
72 25.1 18.6 28.0

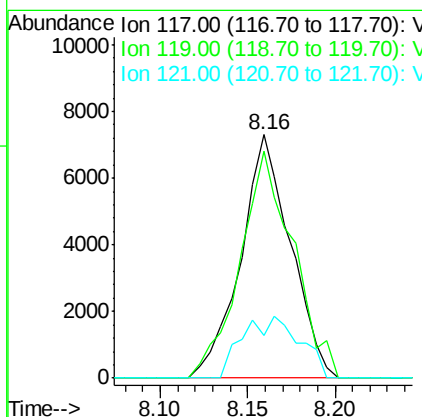
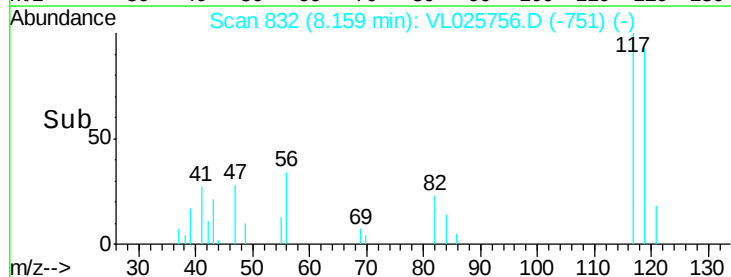
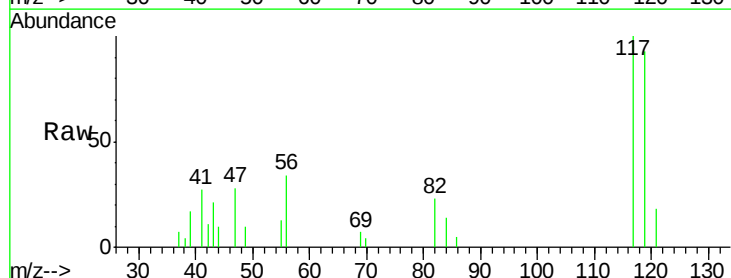
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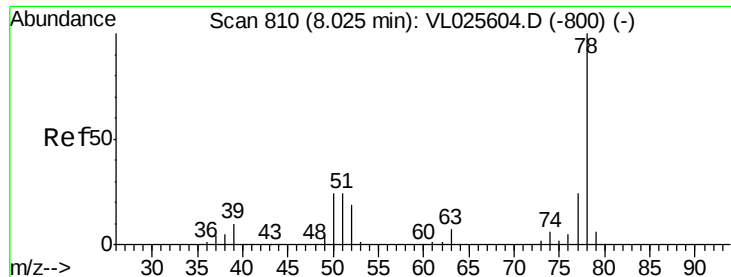
MMDadoda  
7/28/2015 12:56:52 PM



#35  
Carbon Tetrachloride  
Concen: 0.06 ppbv  
RT: 8.16 min Scan# 832  
Delta R.T. -0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Tgt Ion: 117 Resp: 14469  
Ion Ratio Lower Upper  
117 100  
119 93.3 75.9 113.9  
121 17.8 24.4 36.6#





#36

Benzene

Concen: 0.33 ppbv

RT: 8.02 min Scan# 810

Delta R.T. -0.00 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Instrument :

MSVOA\_L

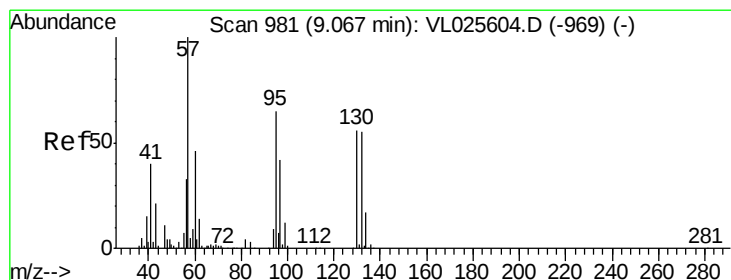
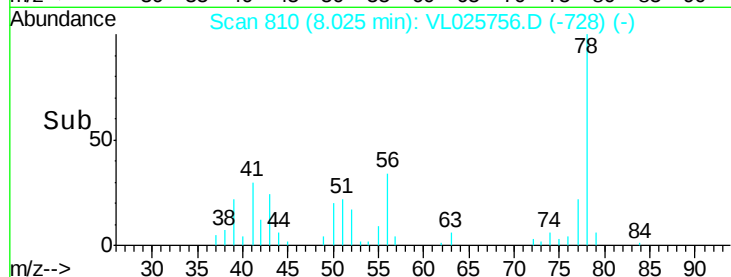
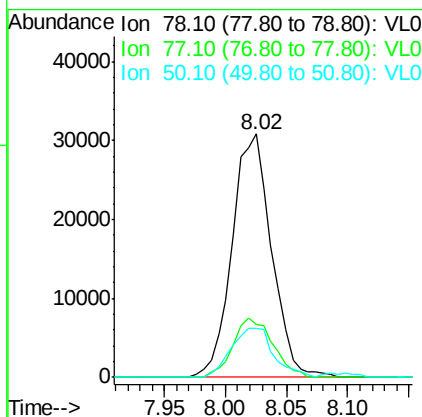
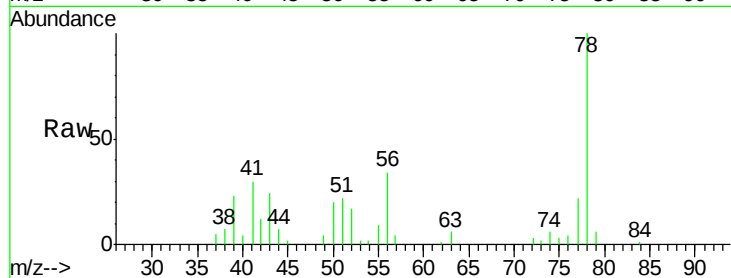
ClientSampleId :

A-221-B

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 68781 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 21.9  | 19.0  | 28.4  |
| 50       | 19.9  | 19.2  | 28.8  |

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#38

Trichloroethene

Concen: 0.75 ppbv

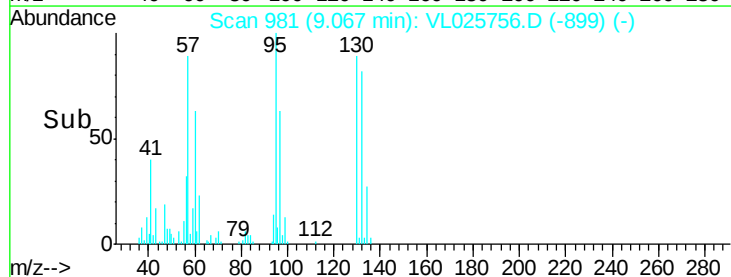
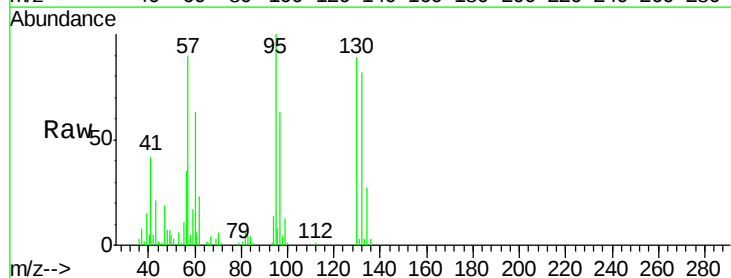
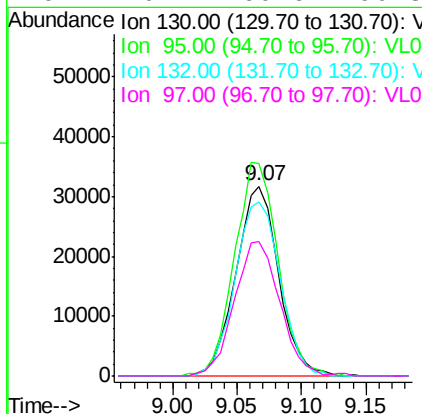
RT: 9.07 min Scan# 981

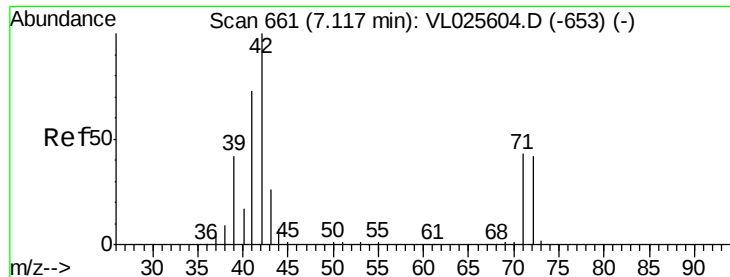
Delta R.T. -0.00 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 73111 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 110.7 | 94.2  | 141.4 |
| 132      | 92.0  | 78.6  | 118.0 |
| 97       | 70.7  | 60.6  | 90.8  |





#41

Tetrahydrofuran

Concen: 0.33 ppbv

RT: 7.14 min Scan# 665

Delta R.T. 0.02 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Instrument :

MSVOA\_L

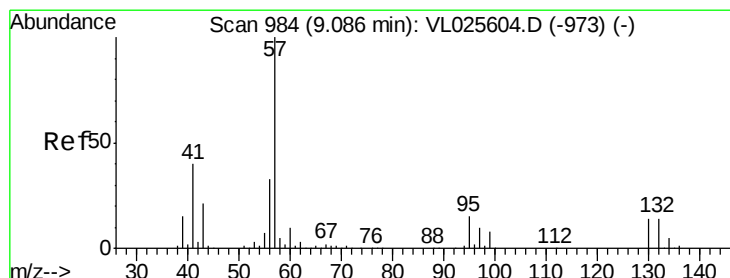
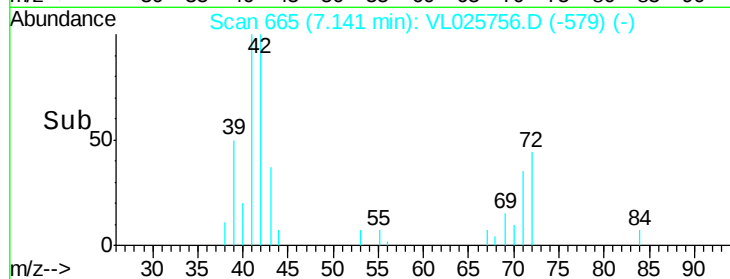
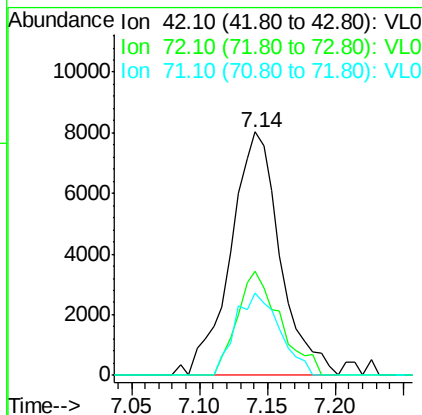
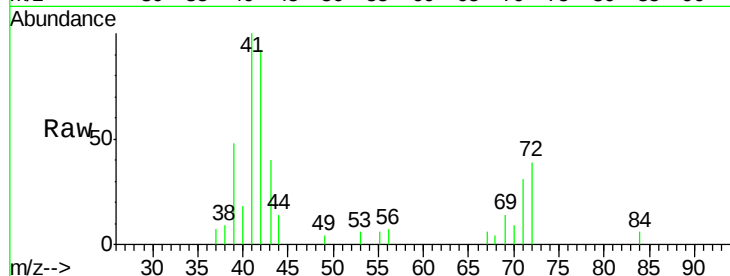
ClientSampled :

A-221-B

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 20358 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 37.1  | 34.0  | 51.0  |
| 71        | 30.5  | 33.0  | 49.6# |

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#44

2,2,4-Trimethylpentane

Concen: 0.43 ppbv

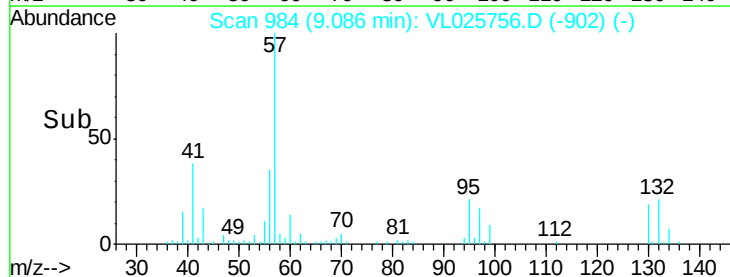
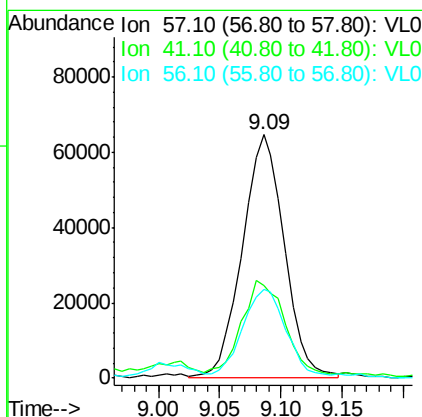
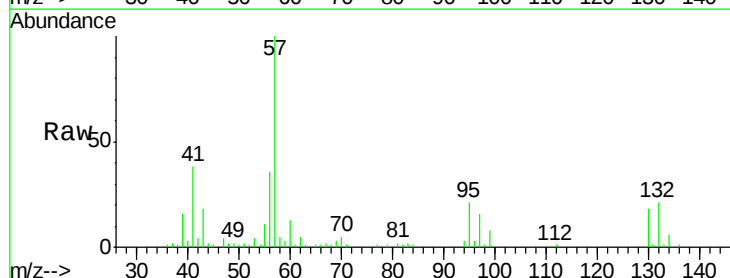
RT: 9.09 min Scan# 984

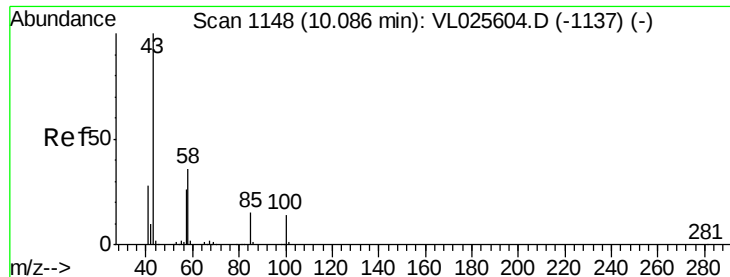
Delta R.T. -0.00 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 57    | Resp: | 153934 |
| Ion Ratio | Lower | Upper |        |
| 57        | 100   |       |        |
| 41        | 53.7  | 31.2  | 46.8#  |
| 56        | 46.0  | 25.4  | 38.2#  |





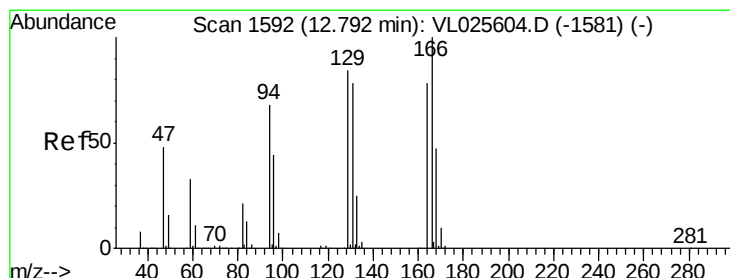
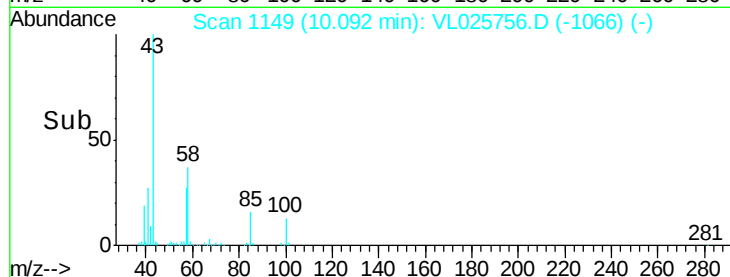
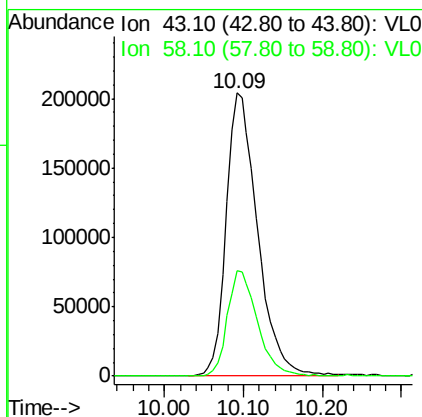
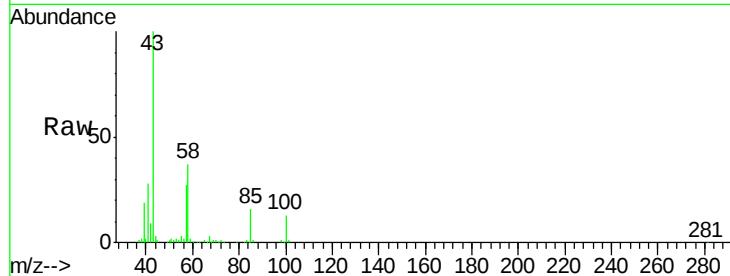
#50  
4-Methyl-2-Pentanone  
Concen: 3.15 ppbv  
RT: 10.09 min Scan# 1149  
Delta R.T. 0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

Tgt Ion: 43 Resp: 564746  
Ion Ratio Lower Upper  
43 100  
58 36.0 28.5 42.7

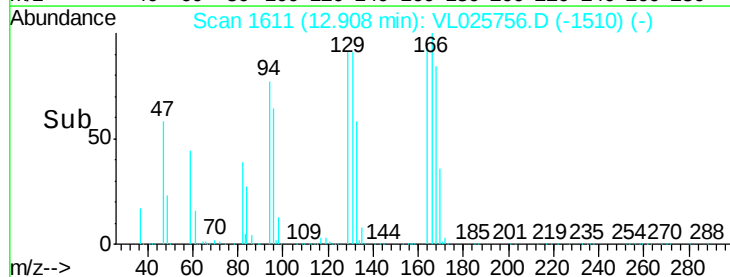
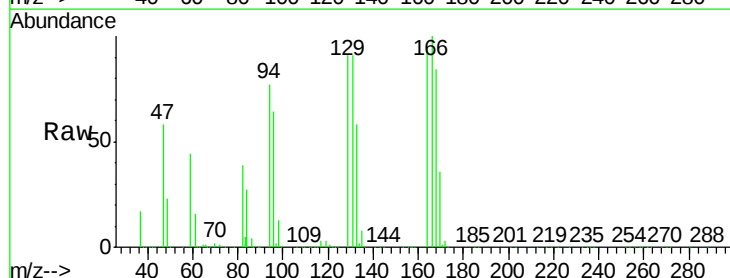
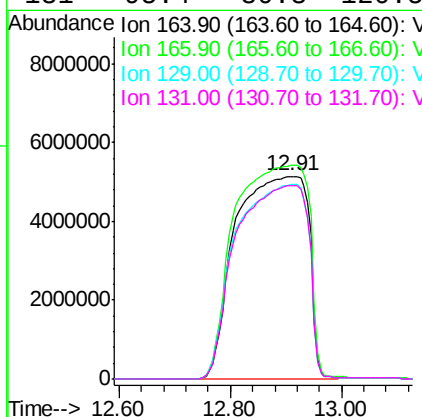
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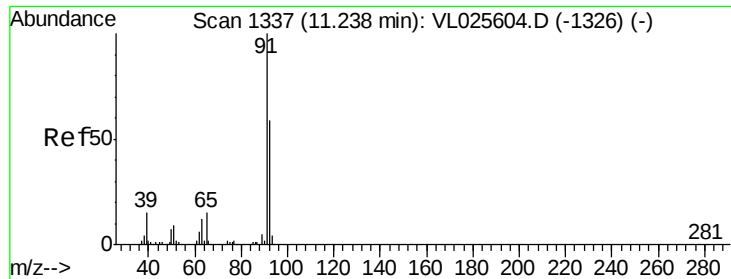
MMDadoda  
7/28/2015 12:56:52 PM



#52  
Tetrachloroethene  
Concen: 440.21 ppbv  
RT: 12.91 min Scan# 1611  
Delta R.T. 0.12 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Tgt Ion: 164 Resp: 46313207  
Ion Ratio Lower Upper  
164 100  
166 105.1 102.3 153.5  
129 95.9 86.2 129.4  
131 95.4 80.3 120.5





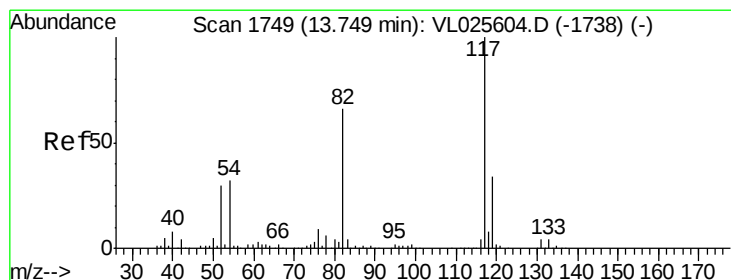
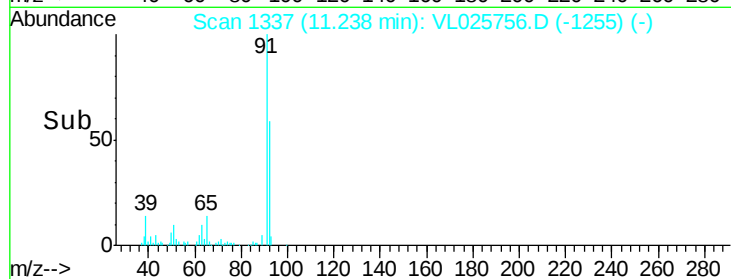
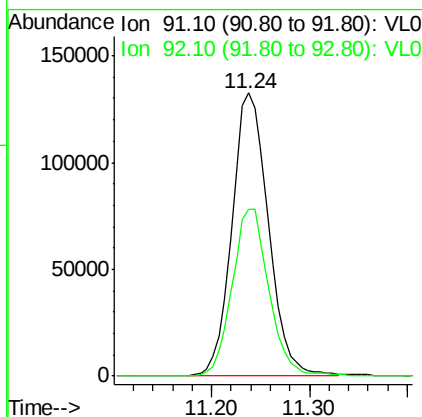
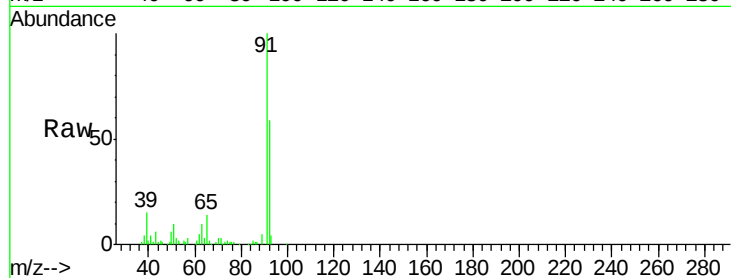
#53  
Toluene  
Concen: 1.16 ppbv  
RT: 11.24 min Scan# 1337  
Delta R.T. -0.00 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 59.7  | 48.2  | 72.2  |

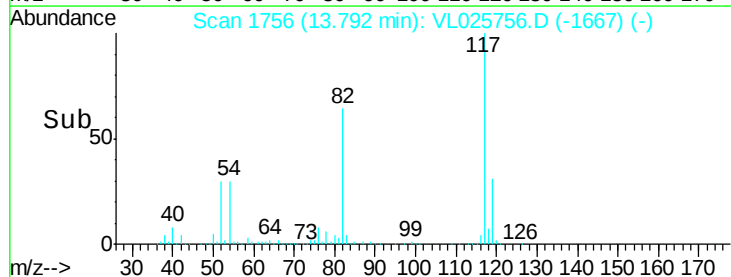
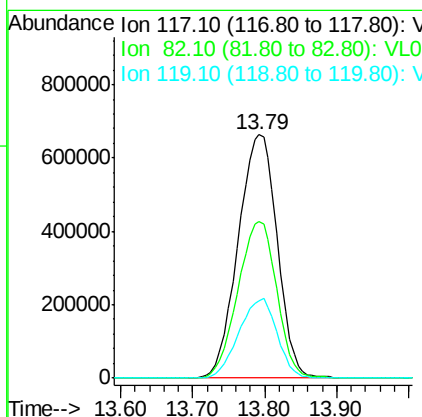
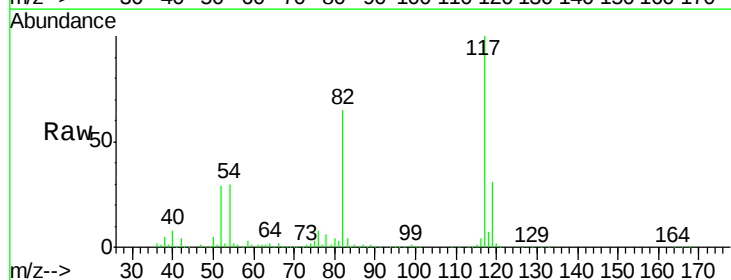
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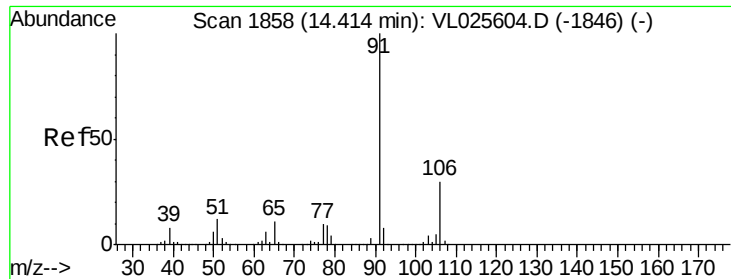
MMDadoda  
7/28/2015 12:56:52 PM



#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 13.79 min Scan# 1756  
Delta R.T. 0.04 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 64.3  | 50.5  | 75.7  |
| 119     | 32.1  | 45.1  | 67.7# |





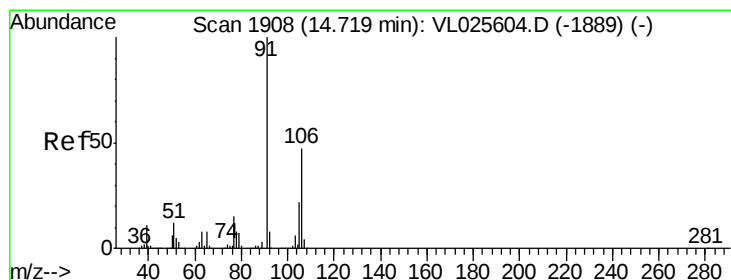
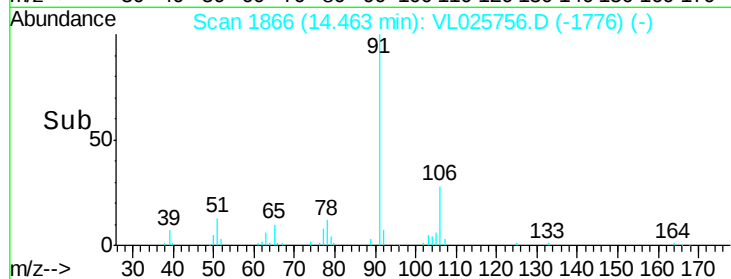
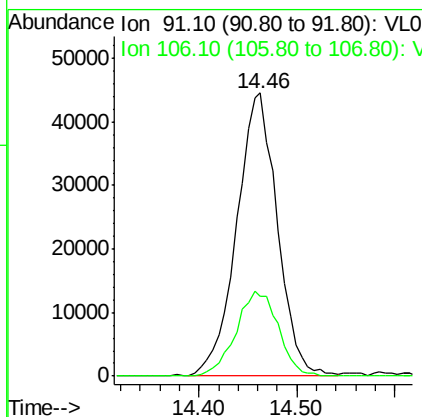
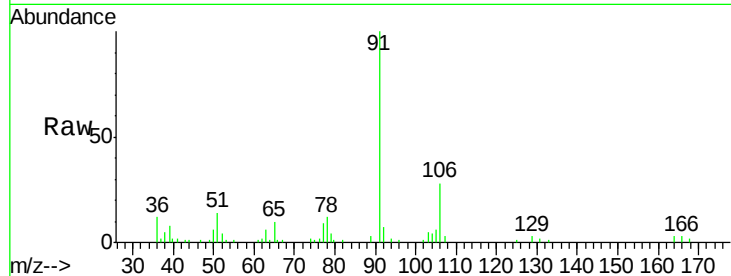
#58  
Ethyl Benzene  
Concen: 0.31 ppbv  
RT: 14.46 min Scan# 1866  
Delta R.T. 0.05 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

Tgt Ion: 91 Resp: 128674  
Ion Ratio Lower Upper  
91 100  
106 28.2 24.2 36.2

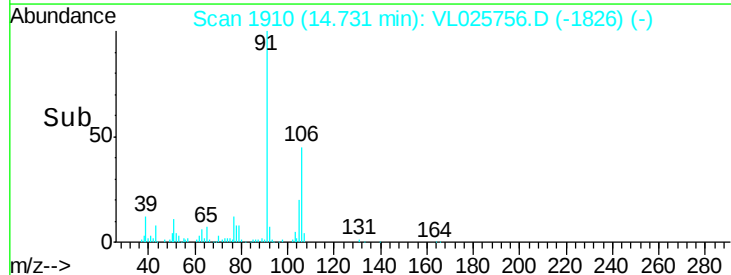
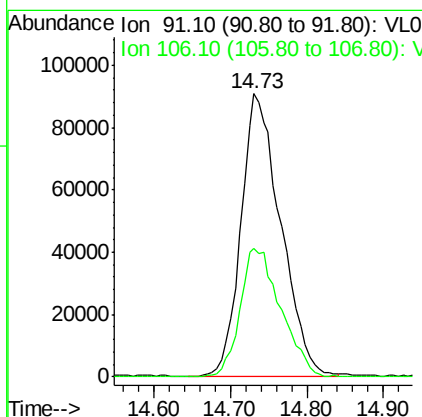
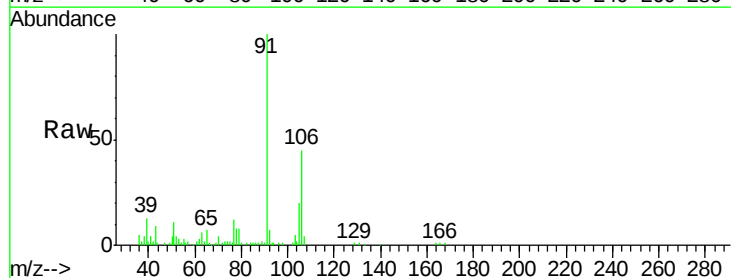
Manual Integrations  
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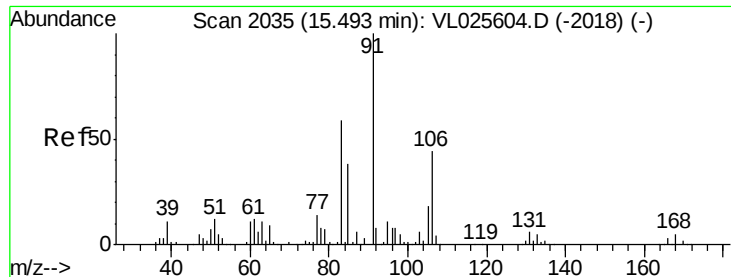
MMDadoda  
7/28/2015 12:56:52 PM



#59  
m/p-Xylene  
Concen: 0.91 ppbv  
RT: 14.73 min Scan# 1910  
Delta R.T. 0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Tgt Ion: 91 Resp: 328351  
Ion Ratio Lower Upper  
91 100  
106 46.3 37.9 56.9





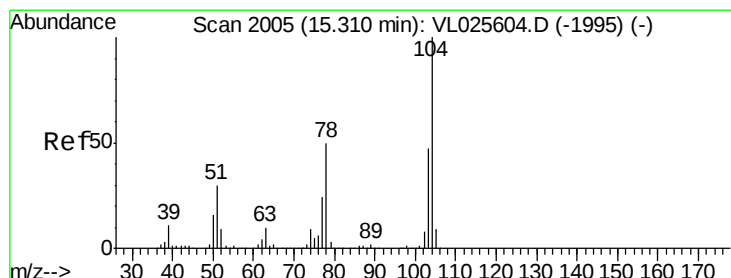
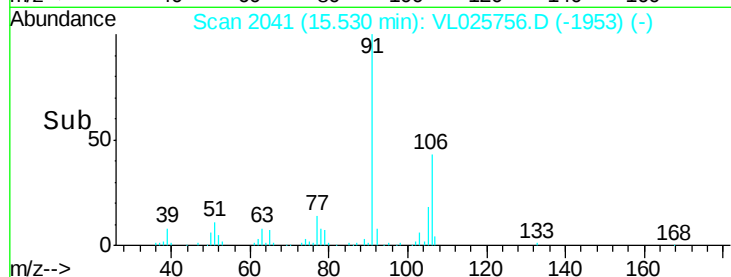
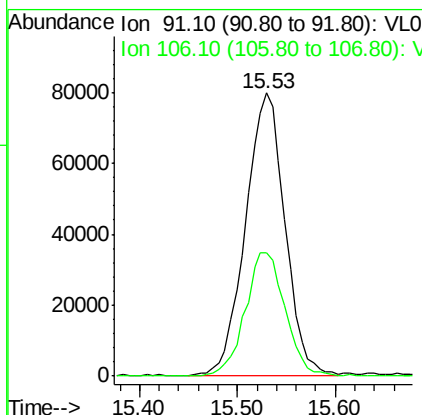
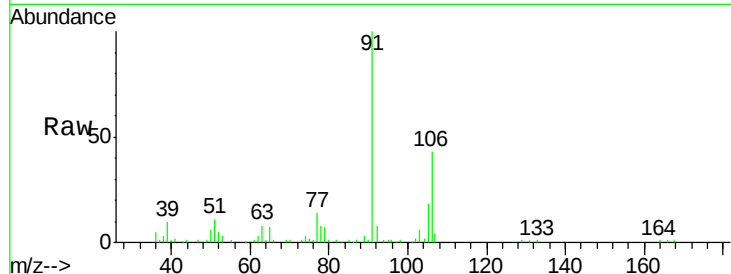
#60  
o-Xylene  
Concen: 0.57 ppbv  
RT: 15.53 min Scan# 2041  
Delta R.T. 0.04 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

Tgt Ion: 91 Resp: 223812  
Ion Ratio Lower Upper  
91 100  
106 44.1 22.1 66.1

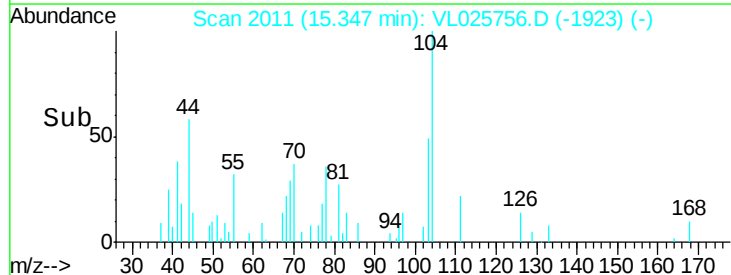
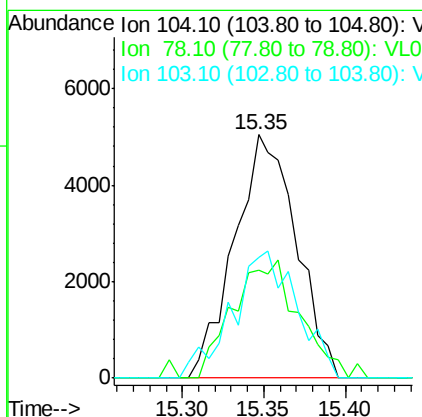
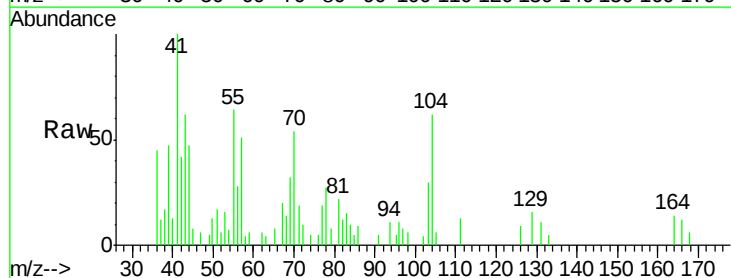
Manual Integrations  
APPROVED

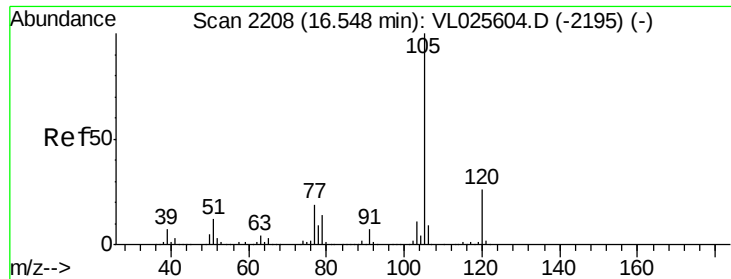
MMDadoda  
7/28/2015 12:56:52 PM



#61  
Styrene  
Concen: 0.10 ppbv  
RT: 15.35 min Scan# 2011  
Delta R.T. 0.04 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Tgt Ion: 104 Resp: 13313  
Ion Ratio Lower Upper  
104 100  
78 53.5 40.2 60.4  
103 54.7 37.4 56.2





#62

Isopropylbenzene

Concen: 0.12 ppbv

RT: 16.57 min Scan# 2212

Delta R.T. 0.02 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Instrument :

MSVOA\_L

ClientSampleId :

A-221-B

Tgt Ion:105 Resp: 62851

Ion Ratio Lower Upper

105 100

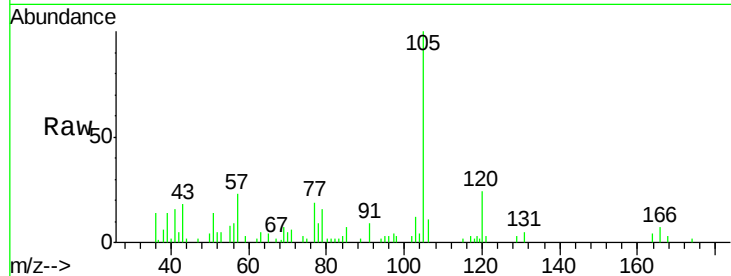
120 26.2 20.6 31.0

Manual Integrations

APPROVED

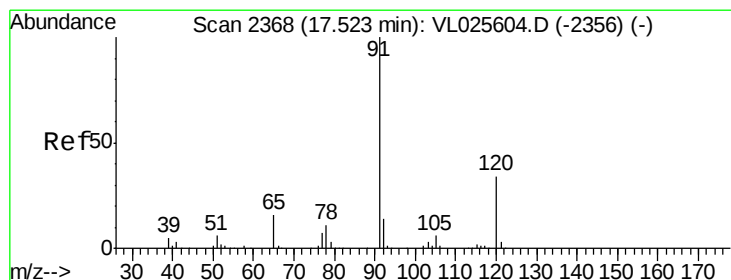
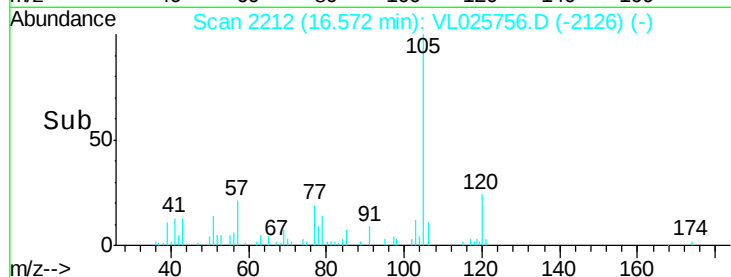
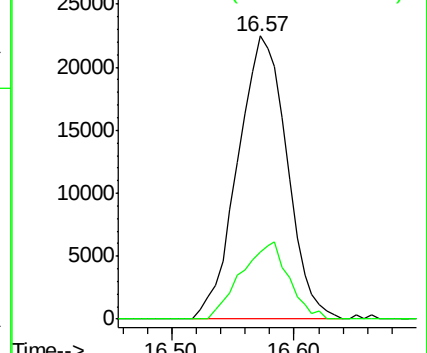
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.68 ppbv

RT: 17.54 min Scan# 2371

Delta R.T. 0.02 min

Lab File: VL025756.D

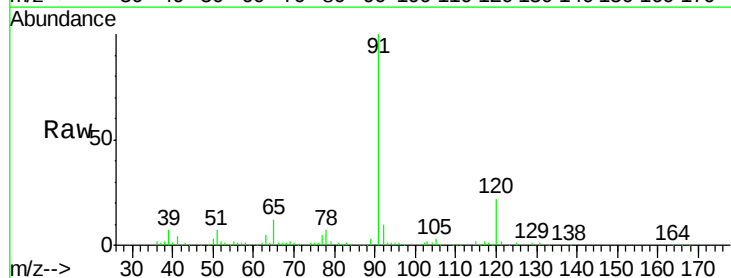
Acq: 27 Jul 2015 16:51

Tgt Ion:120 Resp: 94217

Ion Ratio Lower Upper

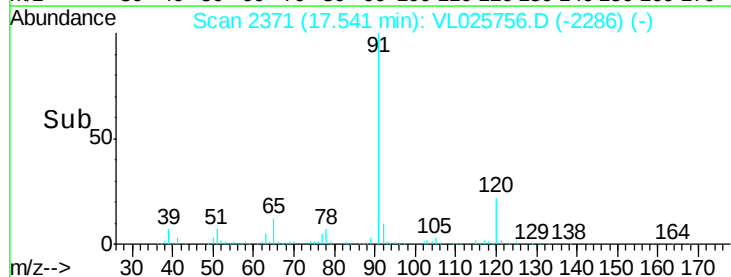
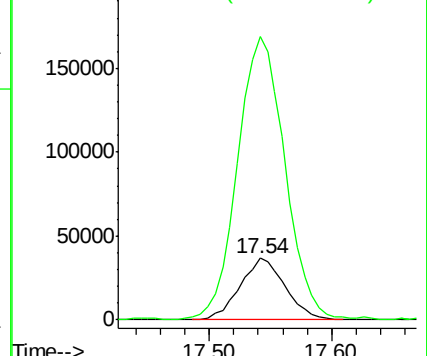
120 100

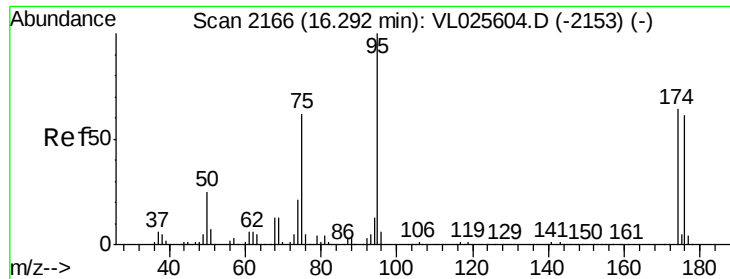
91 482.1 370.5 555.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





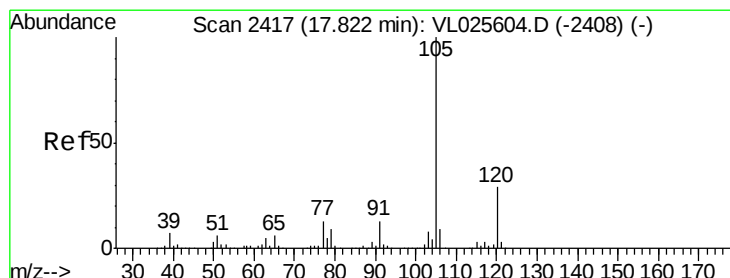
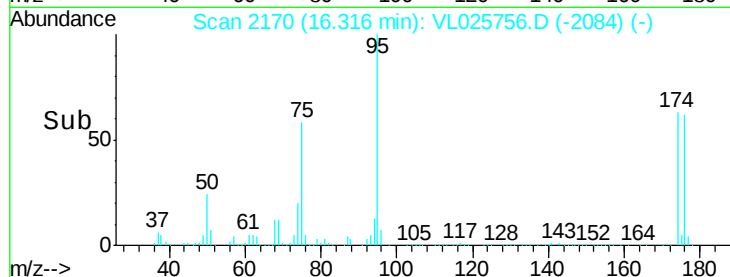
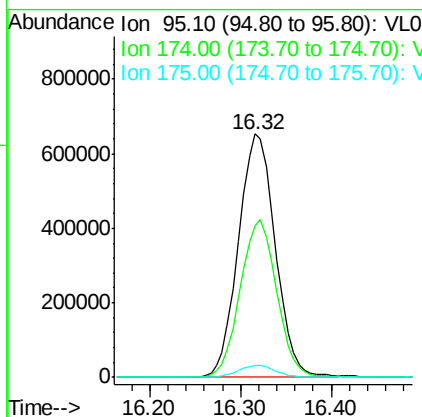
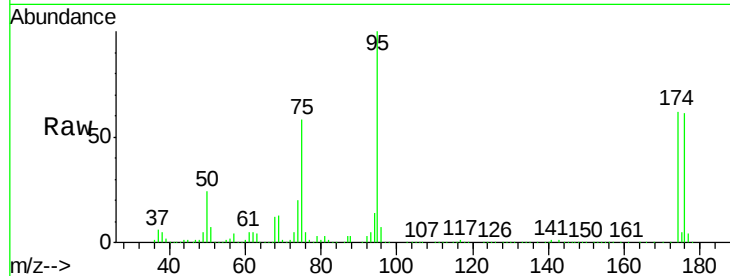
#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 8.76 ppbv  
 RT: 16.32 min Scan# 2170  
 Delta R.T. 0.02 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 A-221-B

Tgt Ion: 95 Resp: 1845809  
 Ion Ratio Lower Upper  
 95 100  
 174 64.4 52.0 78.0  
 175 4.9 3.9 5.9

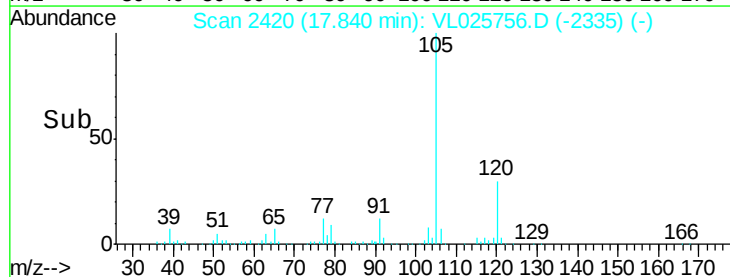
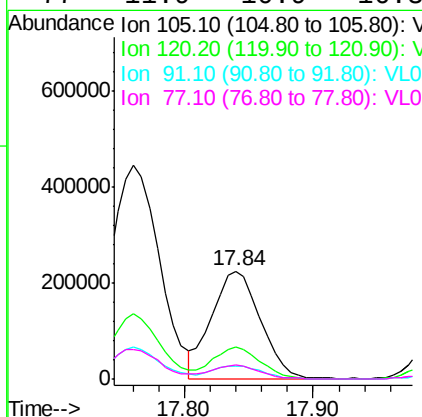
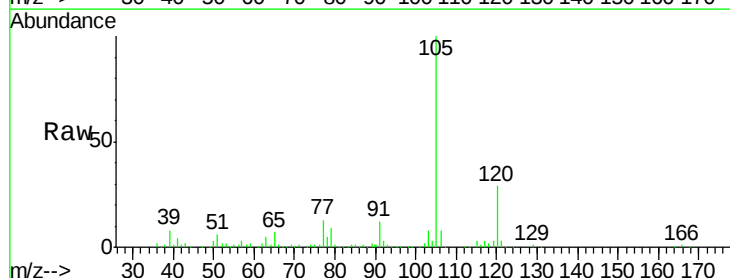
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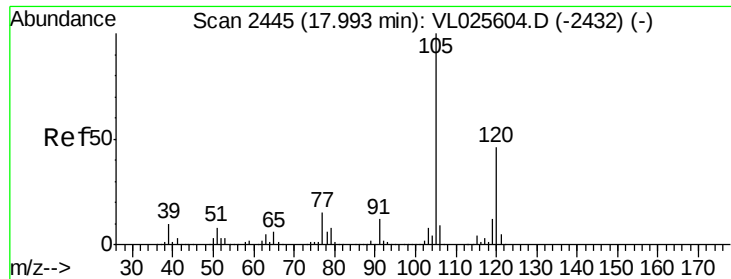
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#72  
 4-Ethyltoluene  
 Concen: 1.37 ppbv  
 RT: 17.84 min Scan# 2420  
 Delta R.T. 0.02 min  
 Lab File: VL025756.D  
 Acq: 27 Jul 2015 16:51

Tgt Ion: 105 Resp: 593321  
 Ion Ratio Lower Upper  
 105 100  
 120 26.2 23.9 35.9  
 91 11.1 10.3 15.5  
 77 11.9 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 1.00 ppbv

RT: 18.00 min Scan# 2447

Delta R.T. 0.01 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Instrument :

MSVOA\_L

ClientSampleId :

A-221-B

Tgt Ion:105 Resp: 422512

Ion Ratio Lower Upper

105 100

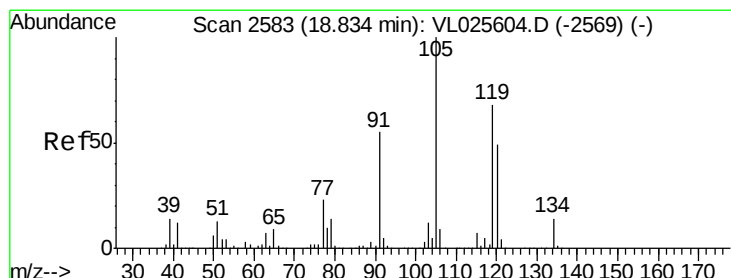
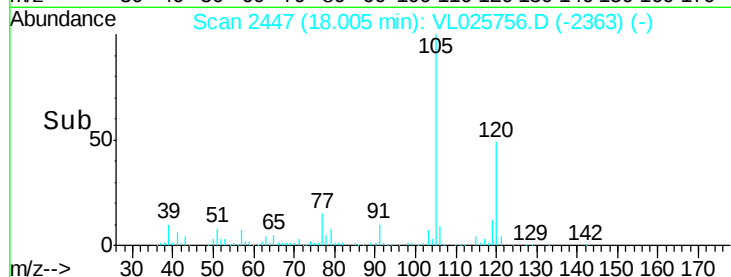
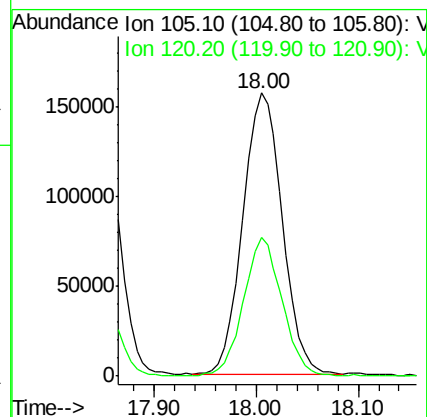
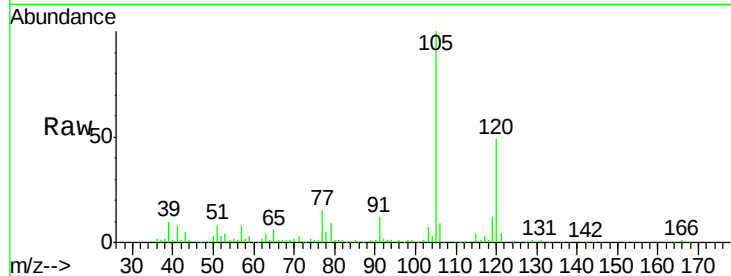
120 49.0 37.0 55.4

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 3.06 ppbv

RT: 18.85 min Scan# 2585

Delta R.T. 0.01 min

Lab File: VL025756.D

Acq: 27 Jul 2015 16:51

Tgt Ion:105 Resp: 1452693

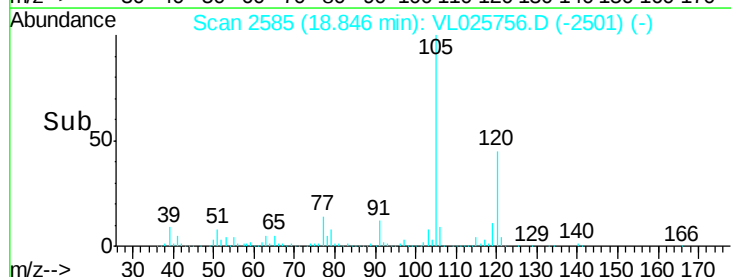
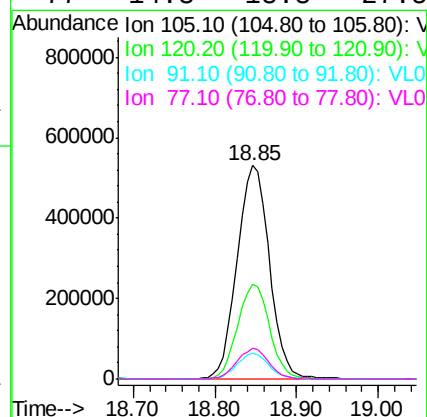
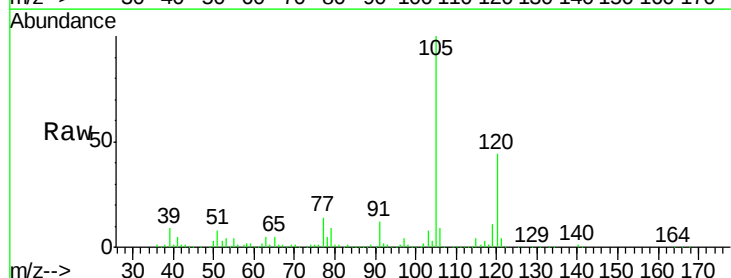
Ion Ratio Lower Upper

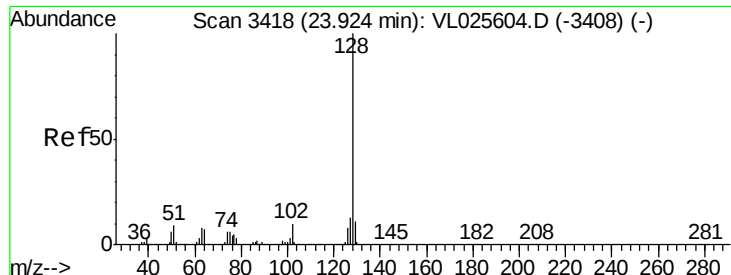
105 100

120 44.5 39.3 58.9

91 11.8 43.8 65.6#

77 14.3 18.3 27.5#





#79  
Naphthalene  
Concen: 0.21 ppbv  
RT: 23.94 min Scan# 3420  
Delta R.T. 0.01 min  
Lab File: VL025756.D  
Acq: 27 Jul 2015 16:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-221-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.6  | 10.8  | 16.2  |
| 129     | 13.1  | 9.0   | 13.4  |

Manual Integrations  
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