

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\  
 Data File : VL037368.D  
 Acq On : 7 Aug 2021 7:17  
 Operator : SY/AP  
 Sample : M3157-10  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 OFFITE-DDC-INTERMEDIATE-1

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2021 6:10:51 PM

Quant Time: Aug 07 08:40:25 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 0  
 QLast Update : Fri Aug 06 17:52:04 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 847614   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2802524  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2391983  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1697493  | 10.07    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.70% |

| Target Compounds             | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 3.05  | 85   | 35587    | 0.185   | ppbv   | 97     |
| 3) Chlorodifluoromethane     | 2.98  | 51   | 63468m   | 0.375   | ppbv   |        |
| 4) Chloromethane             | 3.13  | 50   | 50695    | 0.877   | ppbv   | 91     |
| 9) Propene                   | 3.02  | 41   | 121068m  | 2.134   | ppbv   |        |
| 10) Heptane                  | 8.11  | 43   | 204539   | 1.551   | ppbv   | 99     |
| 11) Trichlorofluoromethane   | 3.94  | 101  | 35498    | 0.216   | ppbv   | 96     |
| 13) Ethanol                  | 3.60  | 45   | 1700252  | 162.502 | ppbv   | 96     |
| 15) Acetone                  | 3.84  | 43   | 2111962  | 23.910  | ppbv # | 66     |
| 17) tert-Butyl alcohol       | 4.29  | 59   | 309198m  | 3.289   | ppbv   |        |
| 19) Isopropyl Alcohol        | 3.96  | 45   | 1642210  | 30.718  | ppbv # | 98     |
| 20) Methylene Chloride       | 4.34  | 84   | 375534   | 5.077   | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene | 4.88  | 96   | 18919m   | 0.365   | ppbv   |        |
| 25) Ethyl Acetate            | 5.66  | 43   | 6206505  | 28.407  | ppbv # | 88     |
| 27) Carbon Disulfide         | 4.55  | 76   | 37397    | 0.349   | ppbv # | 82     |
| 29) Chloroform               | 5.74  | 83   | 33372    | 0.202   | ppbv   | 96     |
| 30) Cyclohexane              | 7.12  | 84   | 206841   | 2.148   | ppbv   | 90     |
| 34) 2-Butanone               | 5.24  | 43   | 883752   | 9.392   | ppbv   | 98     |
| 35) Carbon Tetrachloride     | 7.01  | 117  | 9940m    | 0.057   | ppbv   |        |
| 36) Benzene                  | 6.89  | 78   | 661302   | 3.079   | ppbv   | 93     |
| 37) 1,2-Dichloroethane       | 6.30  | 62   | 27375    | 0.244   | ppbv # | 86     |
| 38) Trichloroethene          | 7.82  | 130  | 5057m    | 0.048   | ppbv   |        |
| 43) Methyl Methacrylate      | 8.00  | 69   | 40726    | 0.583   | ppbv # | 6      |
| 44) 2,2,4-Trimethylpentane   | 7.86  | 57   | 159448   | 0.444   | ppbv # | 51     |
| 50) 4-Methyl-2-Pentanone     | 8.73  | 43   | 668964   | 5.184   | ppbv   | 100    |
| 52) Tetrachloroethene        | 11.21 | 164  | 29084m   | 0.284   | ppbv   |        |
| 53) Toluene                  | 9.80  | 91   | 7119210  | 28.434  | ppbv   | 96     |
| 58) Ethyl Benzene            | 12.70 | 91   | 511409   | 1.636   | ppbv   | 95     |
| 59) m/p-Xylene               | 12.96 | 91   | 1068191  | 3.929   | ppbv   | 90     |
| 60) o-Xylene                 | 13.68 | 91   | 407798   | 1.618   | ppbv   | 92     |
| 61) Styrene                  | 13.52 | 104  | 500423   | 3.856   | ppbv   | 94     |
| 62) Isopropylbenzene         | 14.65 | 105  | 77866    | 0.210   | ppbv   | 91     |
| 64) n-propylbenzene          | 15.55 | 120  | 45170m   | 0.480   | ppbv   |        |
| 65) tert-Butylbenzene        | 16.74 | 119  | 66564    | 0.196   | ppbv # | 57     |
| 69) p-Isopropyltoluene       | 17.64 | 119  | 142730   | 0.367   | ppbv   | 98     |
| 72) 4-Ethyltoluene           | 15.82 | 105  | 200569   | 0.673   | ppbv # | 94     |
| 73) 1,3,5-Trimethylbenzene   | 15.99 | 105  | 157246   | 0.559   | ppbv   | 93     |
| 74) 1,2,4-Trimethylbenzene   | 16.75 | 105  | 553508   | 1.873   | ppbv # | 75     |
| 77) 1,2-Dichlorobenzene      | 17.80 | 146  | 18324m   | 0.101   | ppbv   |        |
| 79) Naphthalene              | 22.18 | 128  | 25689m   | 0.123   | ppbv   |        |

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Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

Manual Integrations  
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Quant Time: Aug 07 08:40:25 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 0  
QLast Update : Fri Aug 06 17:52:04 2021  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

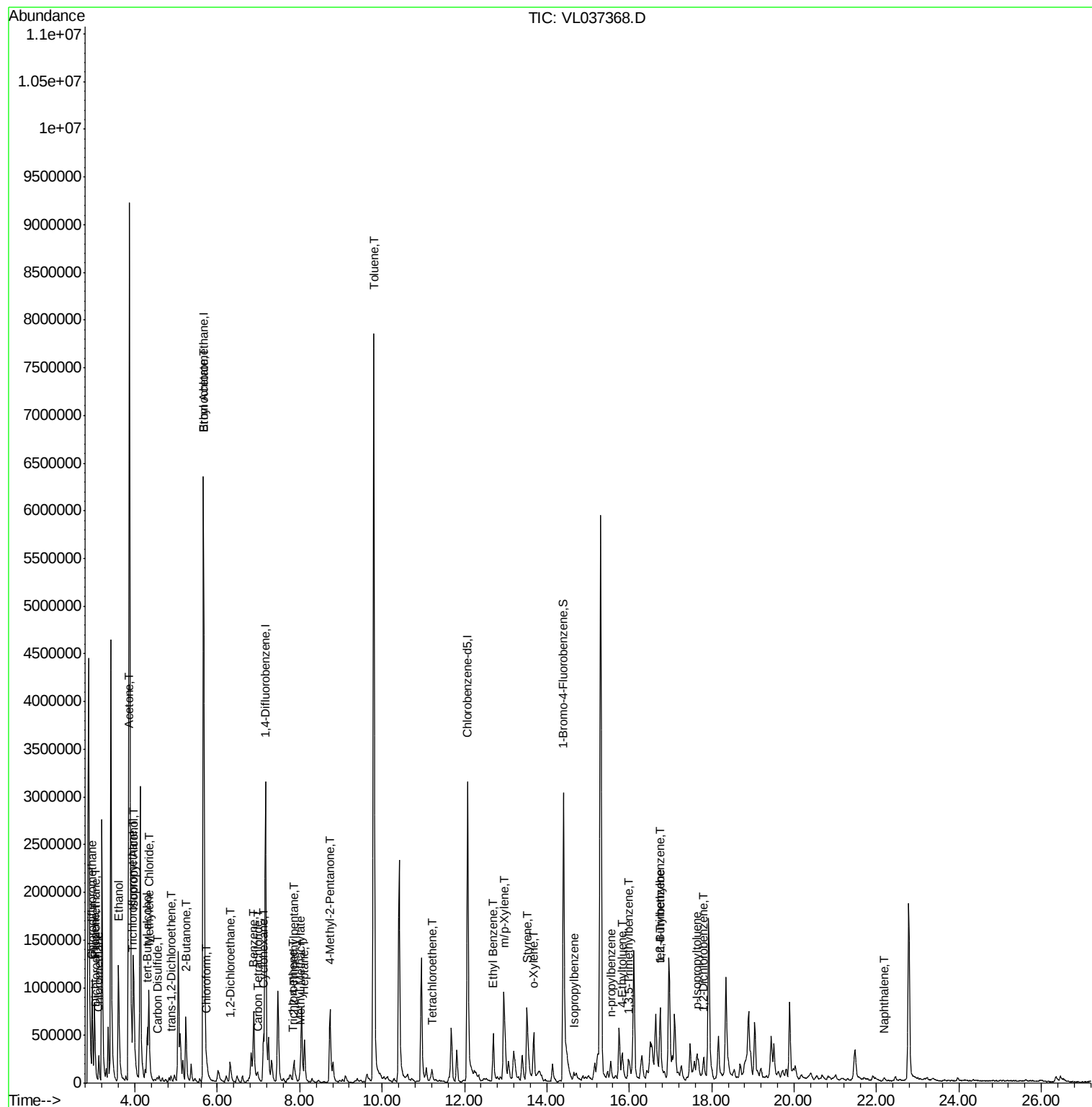
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\  
Data File : VL037368.D  
Acq On : 7 Aug 2021 7:17  
Operator : SY/AP  
Sample : M3157-10  
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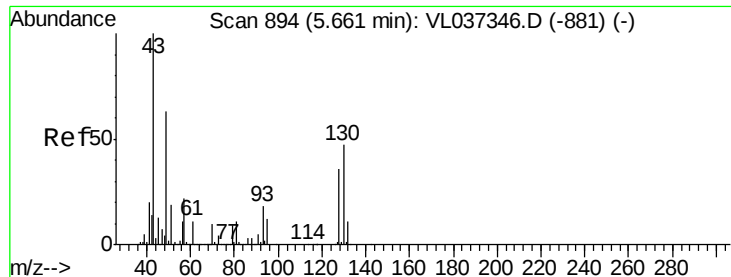
Instrument :  
MSVOA\_L  
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Manual Integrations  
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

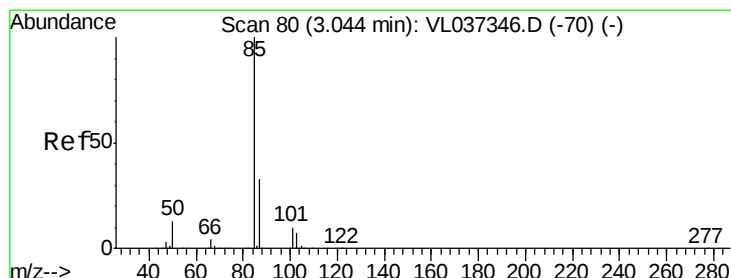
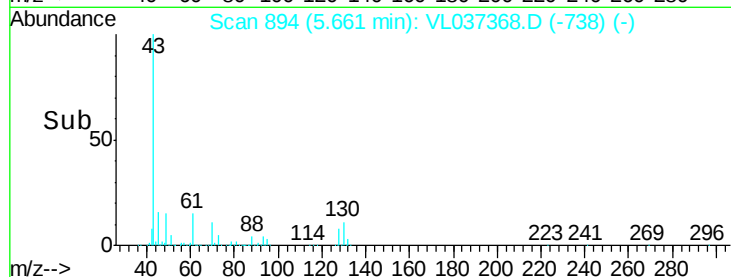
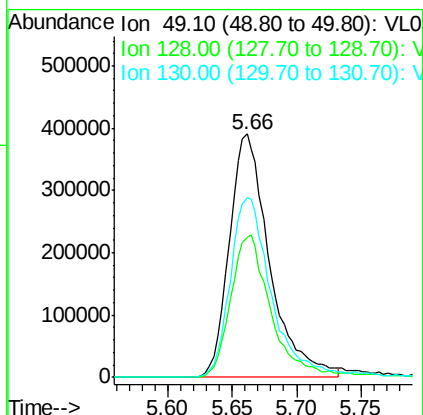
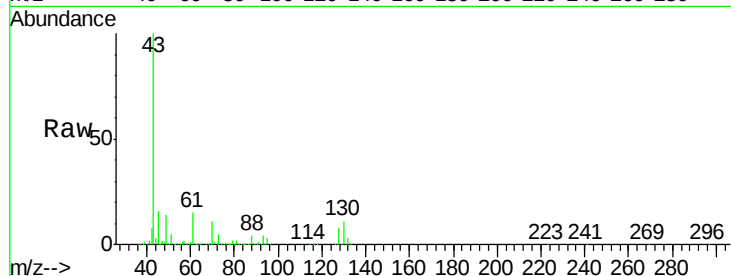
ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 49    | Resp: | 847614 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 128      | 59.8  | 32.1  | 96.3   |
| 130      | 77.9  | 40.0  | 120.0  |

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#2

Dichlorodifluoromethane

Concen: 0.185 ppbv

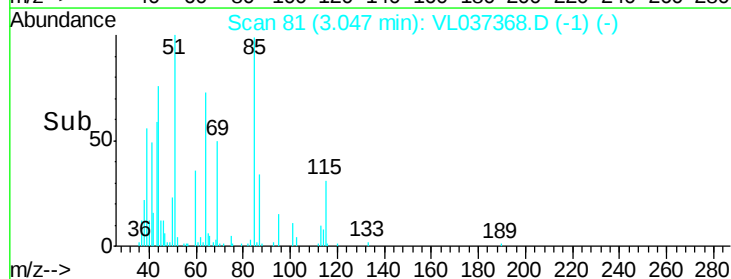
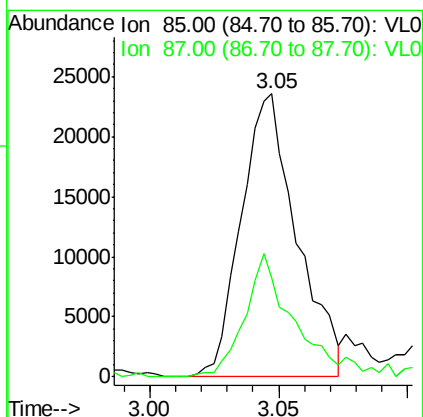
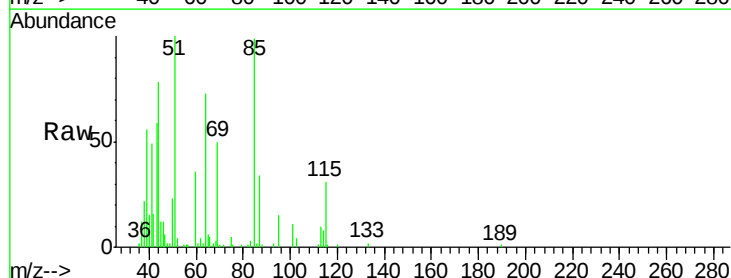
RT: 3.05 min Scan# 81

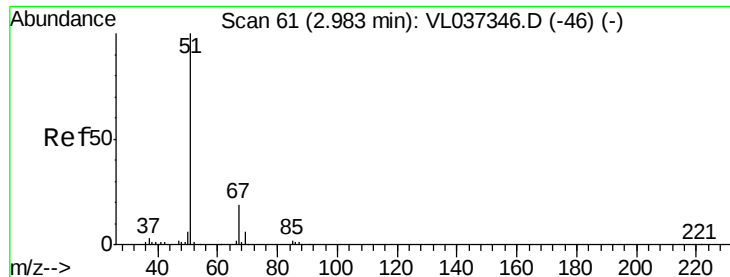
Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 35587 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 34.9  | 26.4  | 39.6  |





#3

Chlorodifluoromethane

Concen: 0.375 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

Tot Ion: 51 Resp: 63468

Ion Ratio Lower Upper

51 100

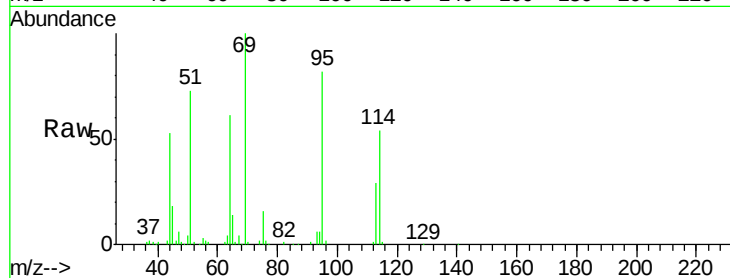
67 15.7 15.6 23.4

Manual Integrations

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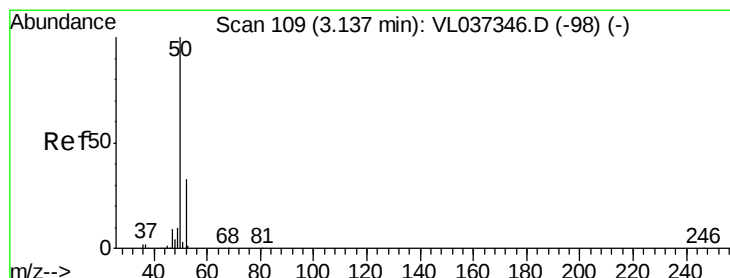
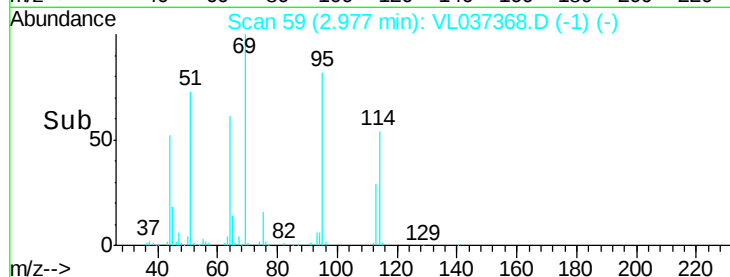
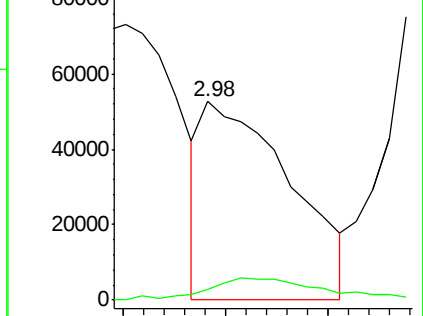
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.877 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037368.D

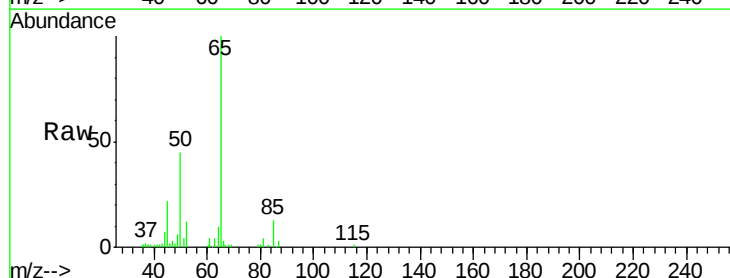
Acq: 7 Aug 2021 7:17

Tgt Ion: 50 Resp: 50695

Ion Ratio Lower Upper

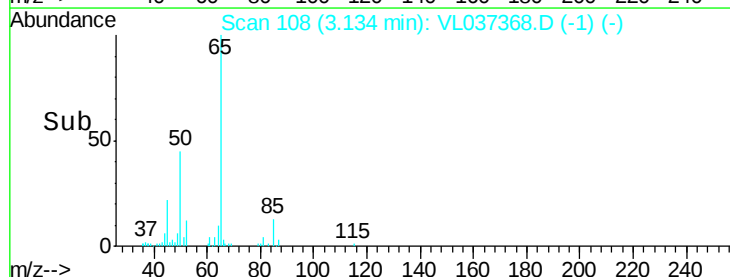
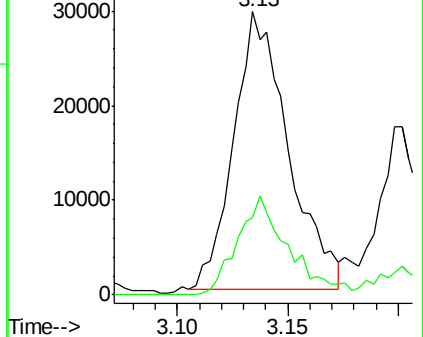
50 100

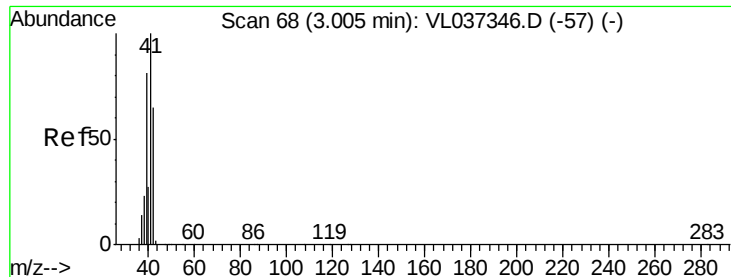
52 28.1 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





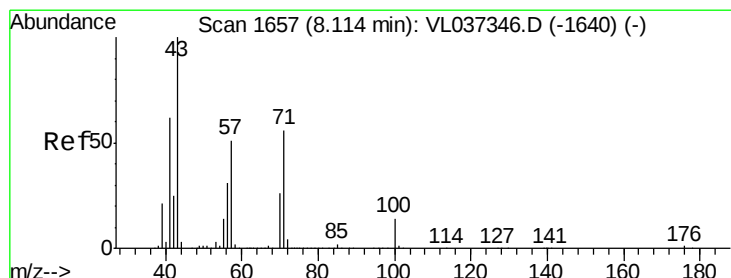
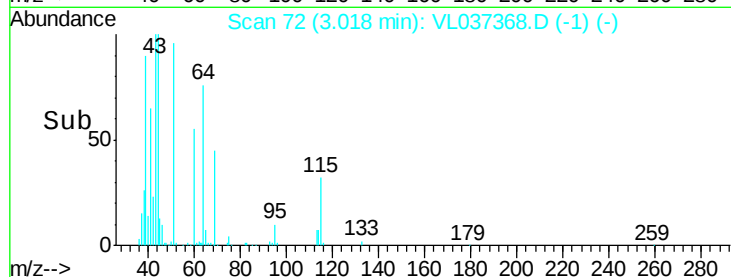
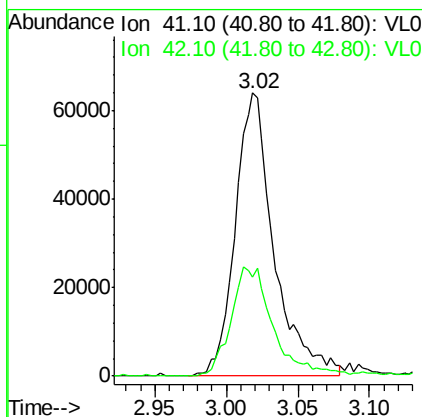
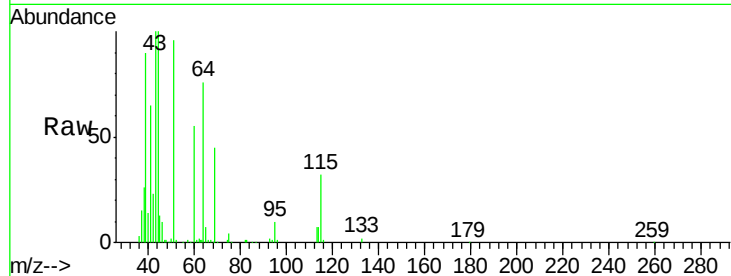
#9  
 Propene  
 Concen: 2.134 ppbv m  
 RT: 3.02 min Scan# 72  
 Delta R.T. 0.01 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OFFITE-DDC-INTERMEDIATE-1

| Tot Ion   | 41    | Resp  | 121068 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 42        | 544.7 | 54.3  | 81.5#  |

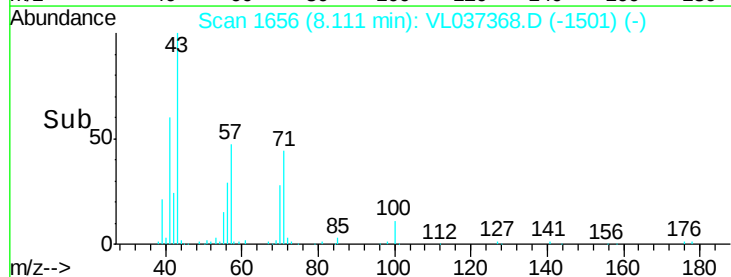
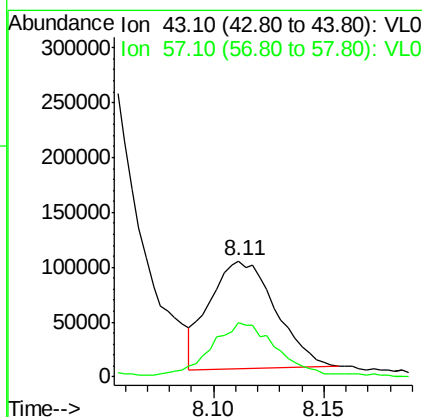
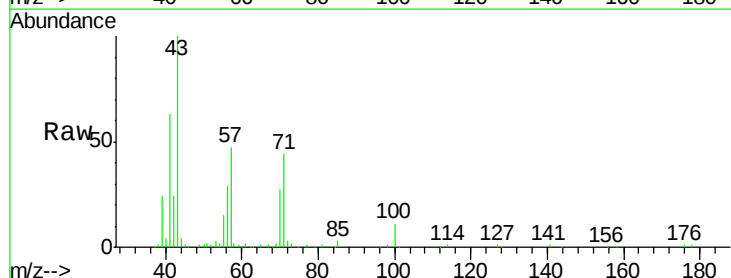
Manual Integrations  
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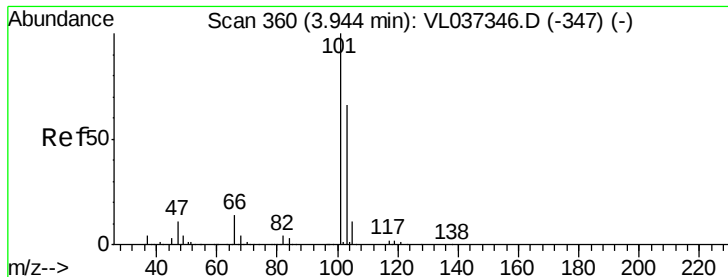
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#10  
 Heptane  
 Concen: 1.551 ppbv  
 RT: 8.11 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

| Tgt Ion   | 43    | Resp  | 204539 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 57        | 51.0  | 41.6  | 62.4   |





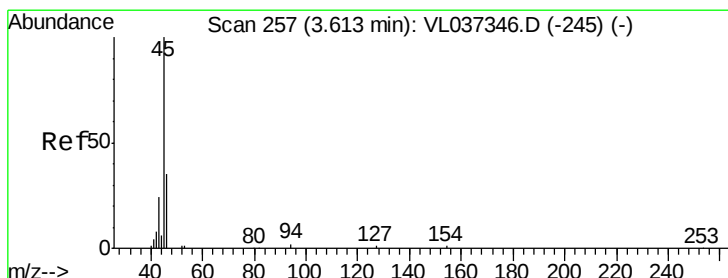
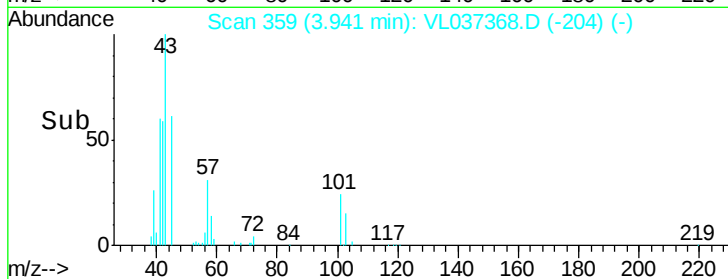
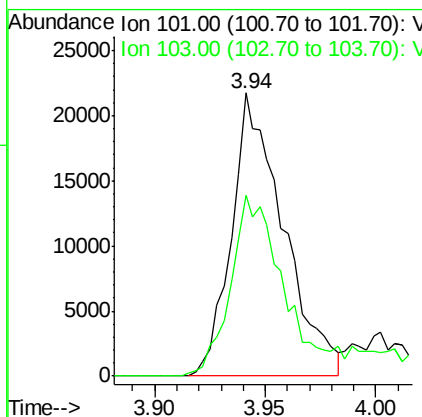
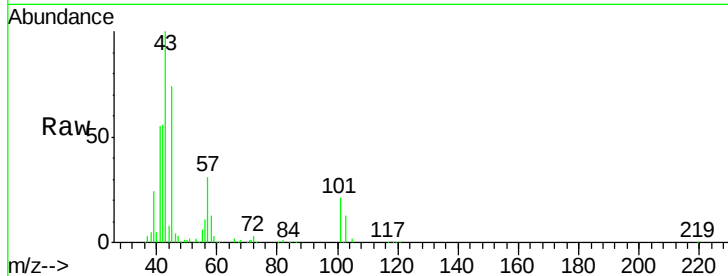
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 Trichlorofluoromethane  
 Concen: 0.216 ppbv  
 RT: 3.94 min Scan# 359  
 Delta R.T. -0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

Instrument :  
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 OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.6  | 52.5  | 78.7  |

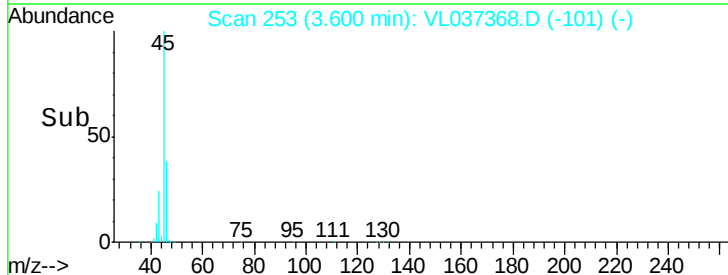
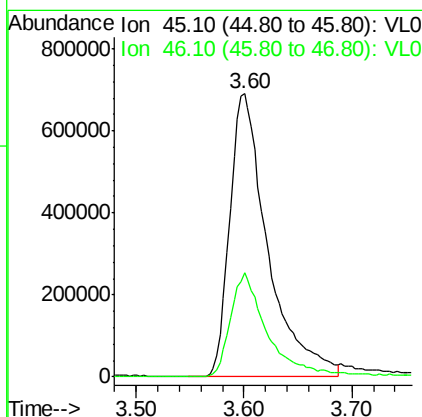
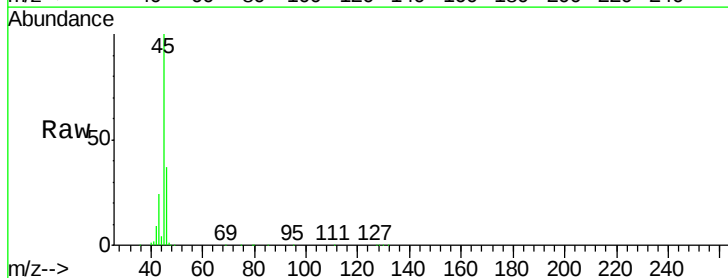
Manual Integrations  
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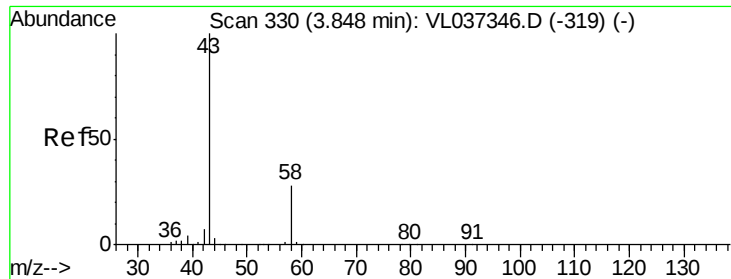
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#13  
 Ethanol  
 Concen: 162.502 ppbv  
 RT: 3.60 min Scan# 253  
 Delta R.T. -0.01 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 46      | 36.7  | 15.7  | 62.9  |





#15

Acetone

Concen: 23.910 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

Tot Ion: 43 Resp: 2111962

Ion Ratio Lower Upper

43 100

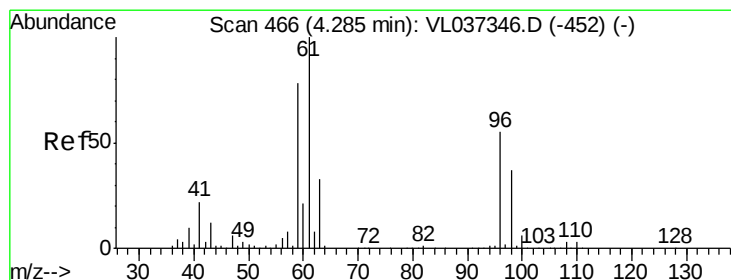
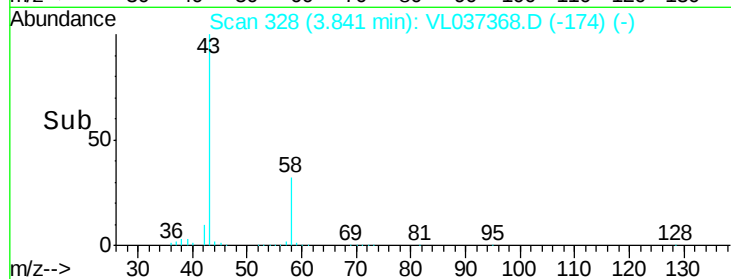
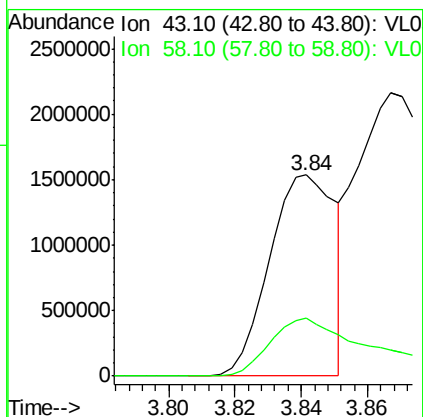
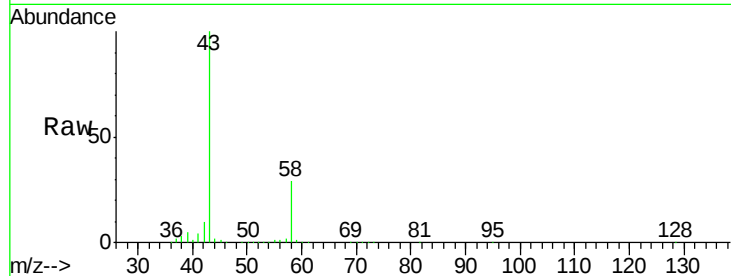
58 49.1 24.6 36.8#

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 3.289 ppbv m

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL037368.D

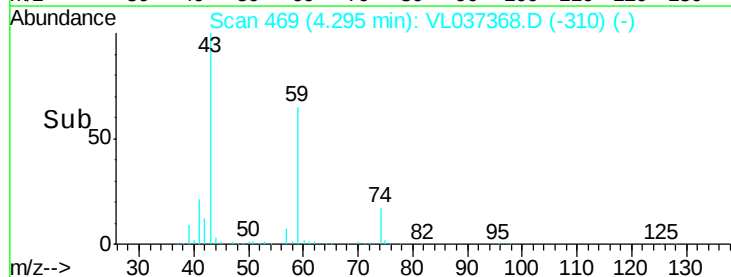
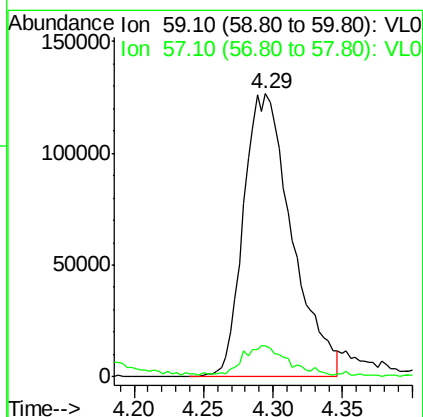
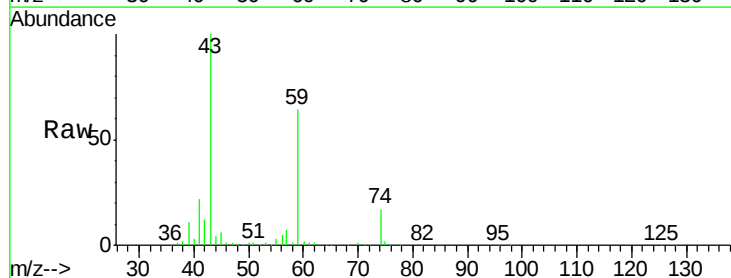
Acq: 7 Aug 2021 7:17

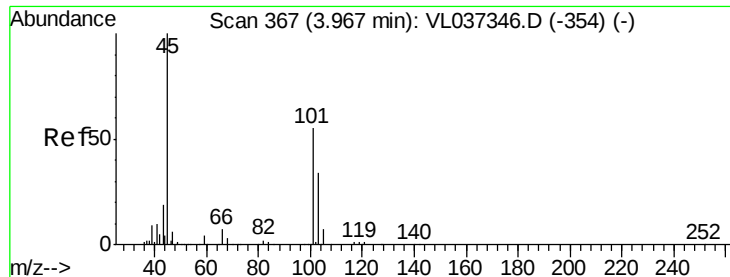
Tgt Ion: 59 Resp: 309198

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 30.718 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

Tot Ion: 45 Resp: 1642210

Ion Ratio Lower Upper

45 100

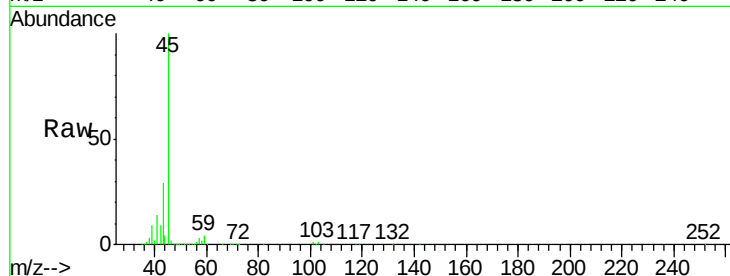
58 3.0 1.8 2.8#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

800000

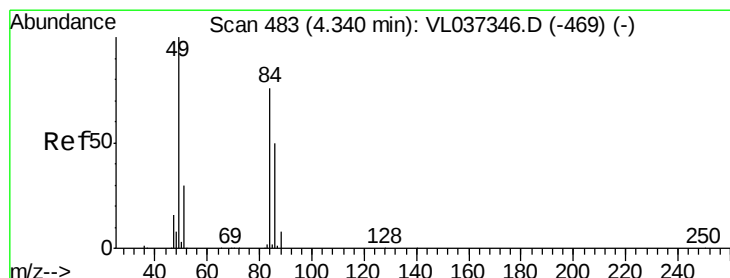
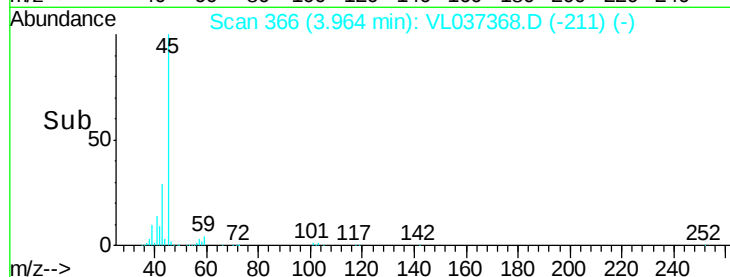
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 5.077 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Tgt Ion: 84 Resp: 375534

Ion Ratio Lower Upper

84 100

49 143.3 107.3 160.9

51 41.5 33.0 49.4

86 64.4 51.8 77.8

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

400000

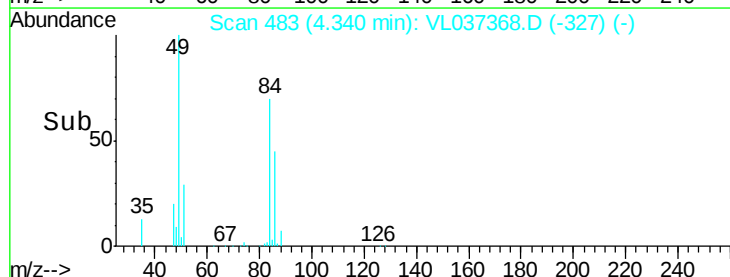
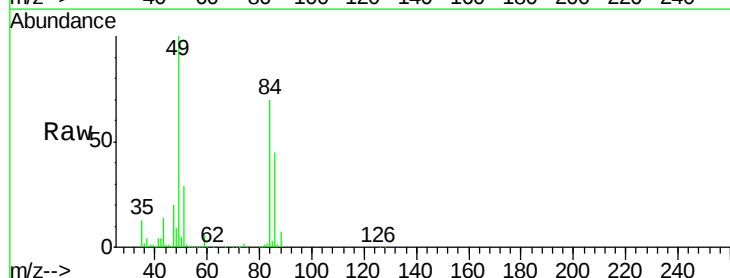
300000

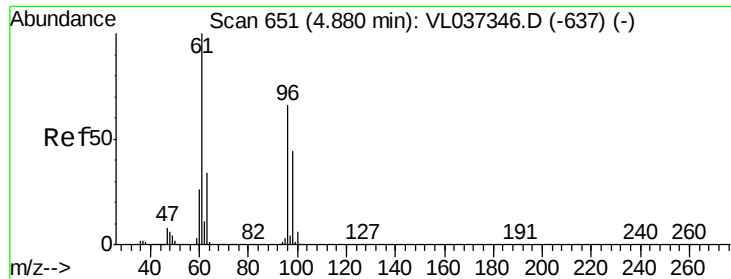
200000

100000

0

Time-->





#22

trans-1,2-Dichloroethene

Concen: 0.365 ppbv m

RT: 4.88 min Scan# 650

Delta R.T. -0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

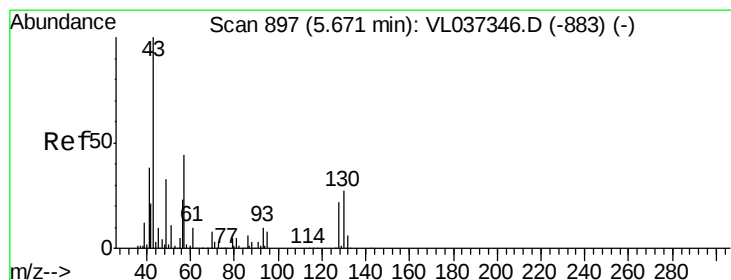
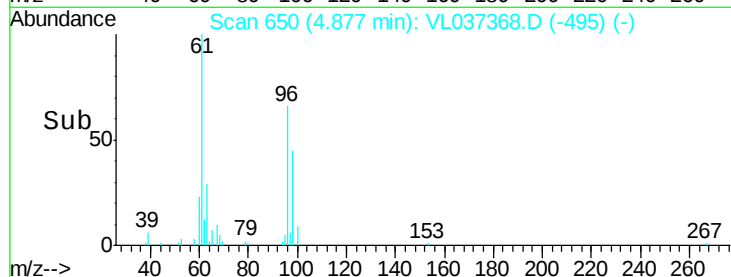
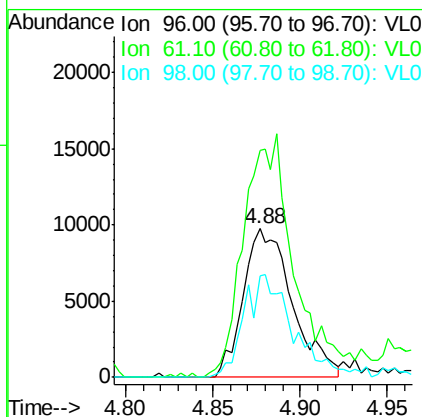
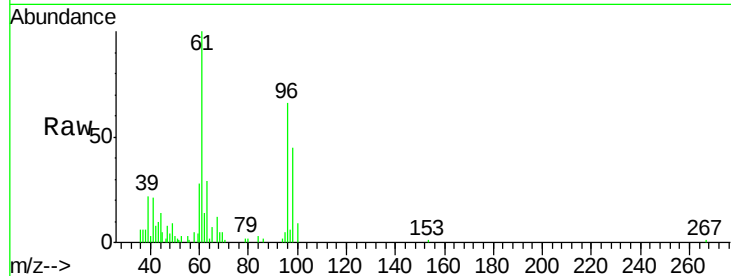
ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 18919 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 152.1 | 120.6 | 181.0 |
| 98       | 68.0  | 53.0  | 79.6  |

Manual Integrations  
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MMDadoda  
8/10/2021 6:10:51 PM



#25

Ethyl Acetate

Concen: 28.407 ppbv

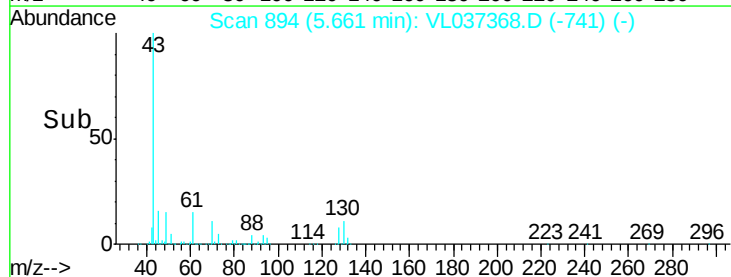
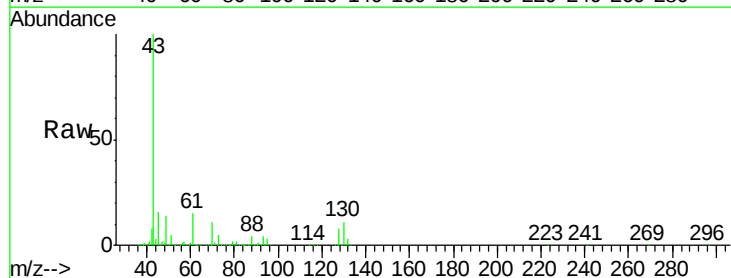
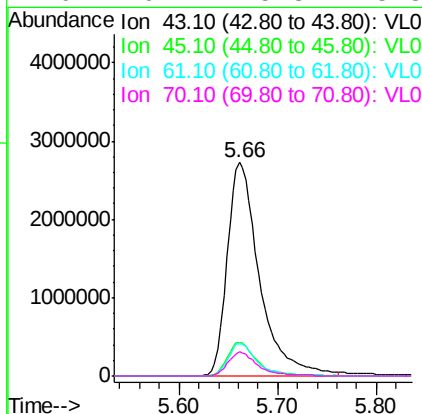
RT: 5.66 min Scan# 894

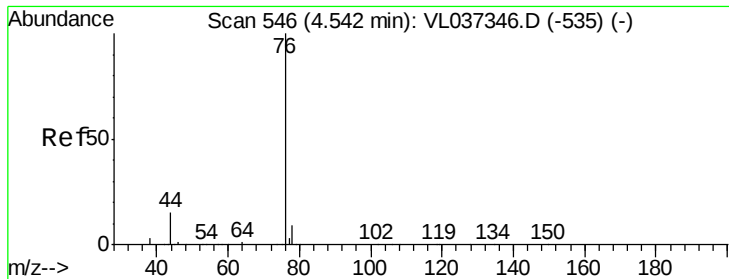
Delta R.T. -0.01 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 43    | Resp: | 6206505 |
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 45       | 15.0  | 7.7   | 11.5#   |
| 61       | 14.3  | 8.2   | 12.2#   |
| 70       | 10.7  | 5.8   | 8.8#    |





#27

Carbon Disulfide

Concen: 0.349 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

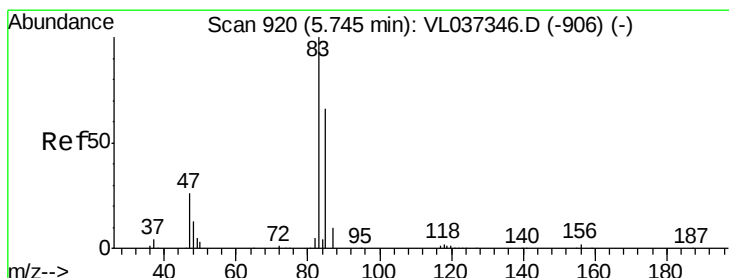
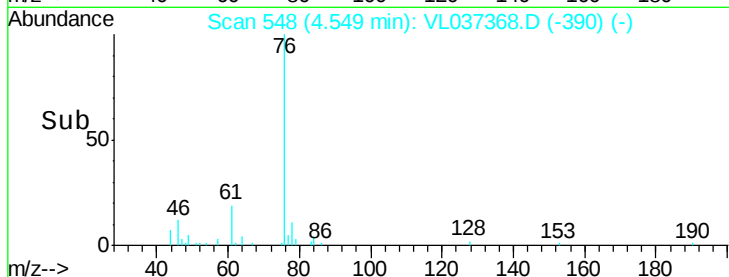
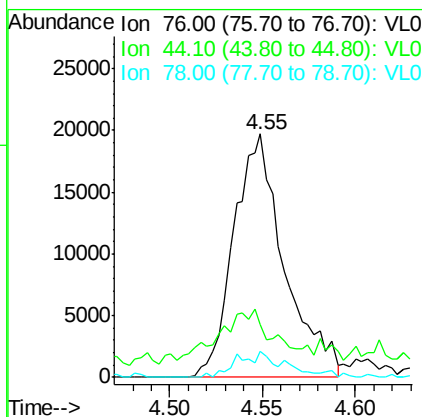
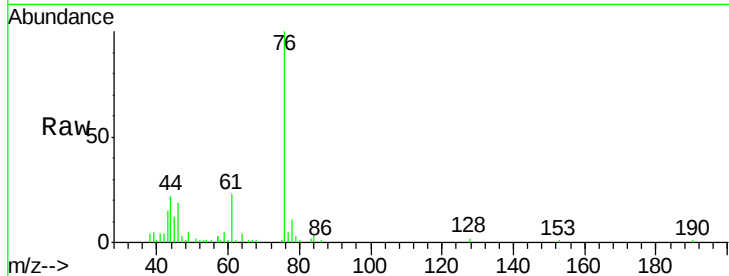
ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 76    | Resp: | 37397 |
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 44        | 28.6  | 13.4  | 20.0# |
| 78        | 10.3  | 7.9   | 11.9  |

Manual Integrations  
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MMDadoda  
8/10/2021 6:10:51 PM



#29

Chloroform

Concen: 0.202 ppbv

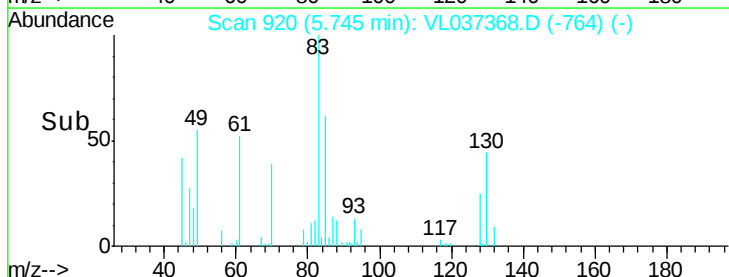
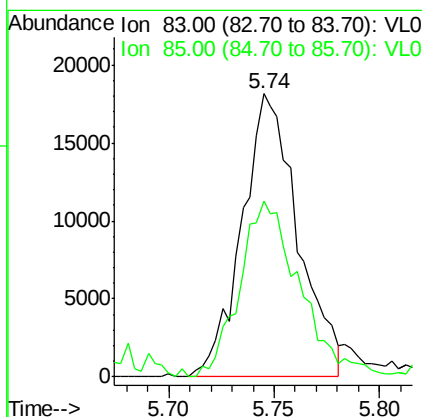
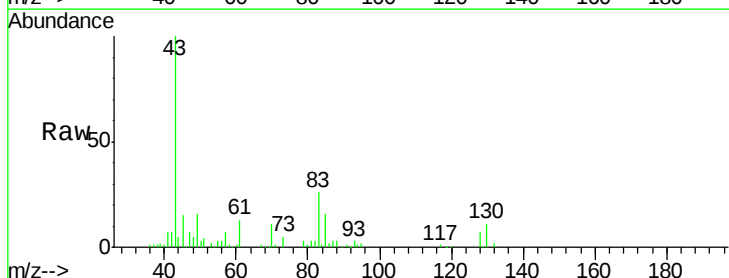
RT: 5.74 min Scan# 920

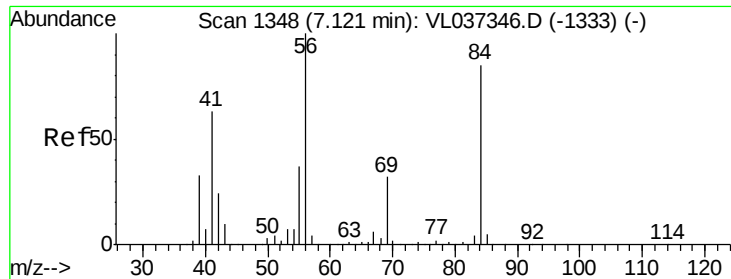
Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 33372 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.2  | 53.1  | 79.7  |





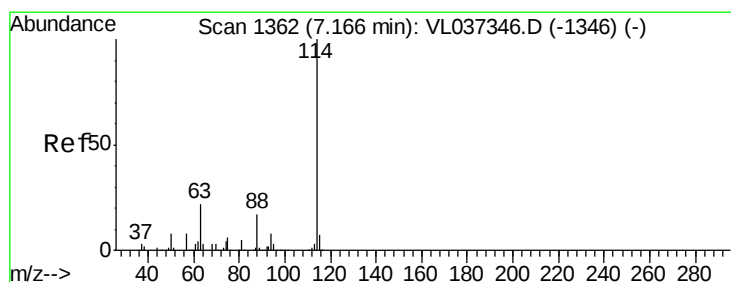
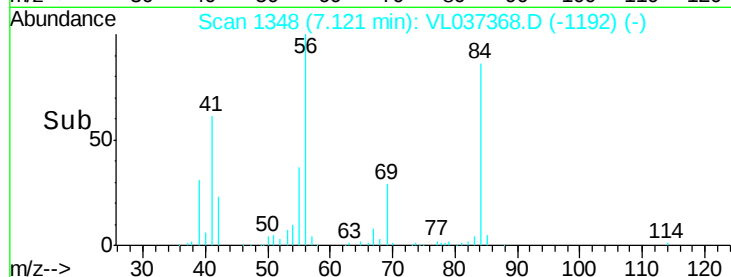
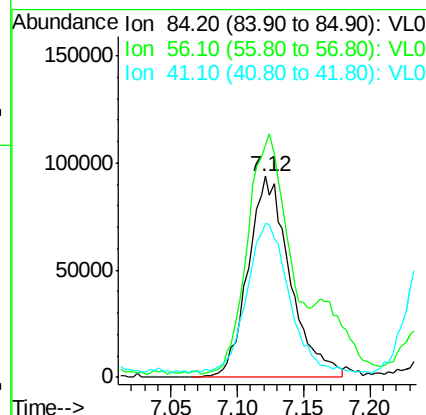
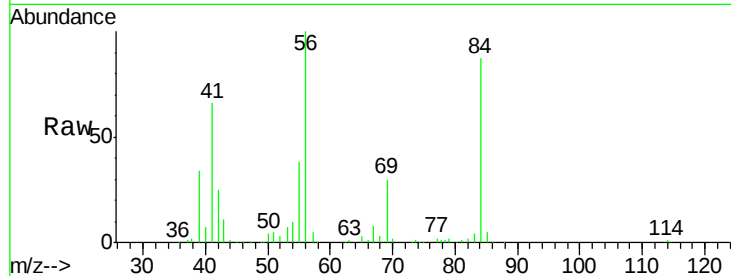
#30  
Cvclohexane  
Concen: 2.148 ppbv  
RT: 7.12 min Scan# 1348  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 56      | 146.6 | 103.5 | 155.3 |
| 41      | 78.8  | 61.4  | 92.2  |

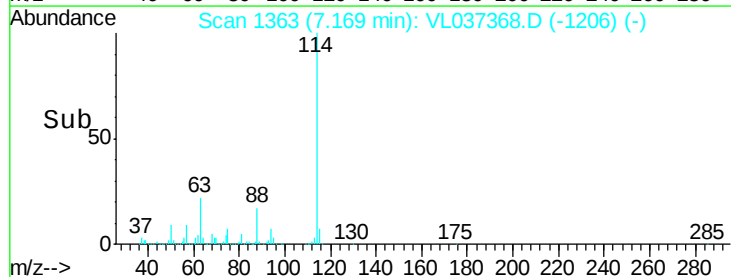
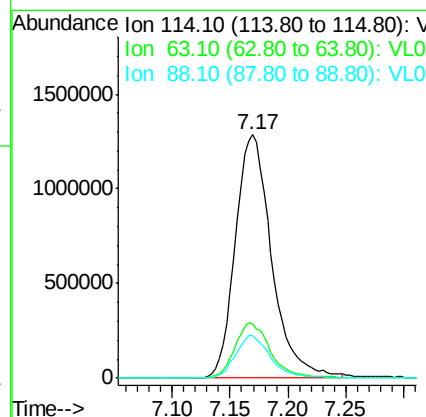
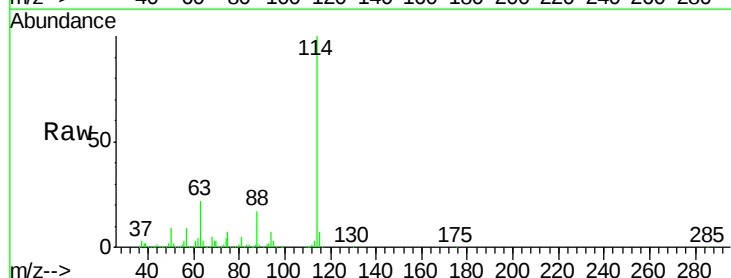
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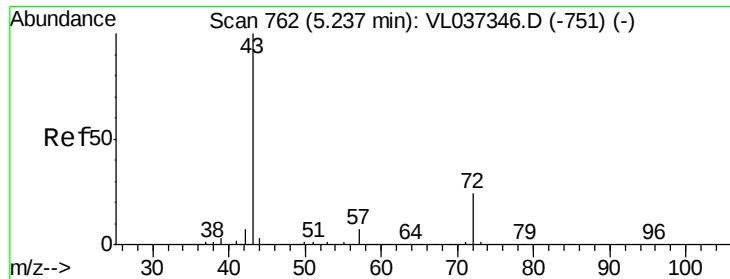
MMDadoda  
8/10/2021 6:10:51 PM



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.17 min Scan# 1363  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.8  | 17.8  | 26.6  |
| 88      | 17.0  | 13.5  | 20.3  |





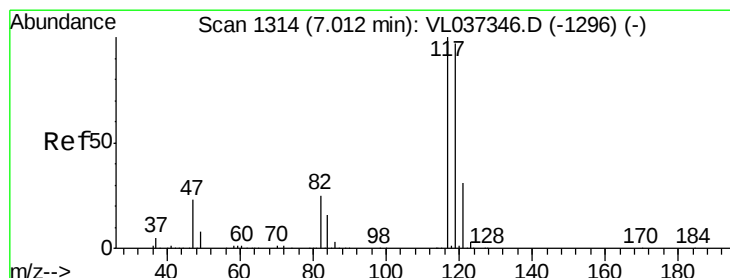
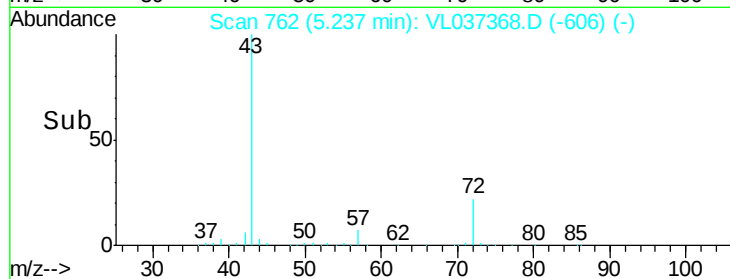
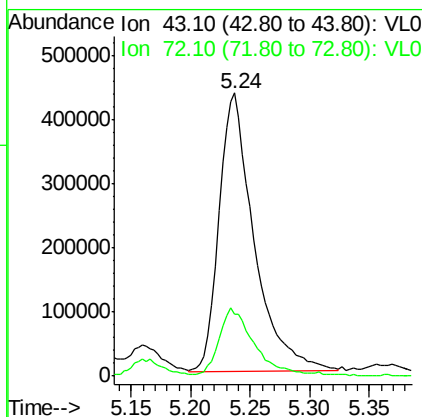
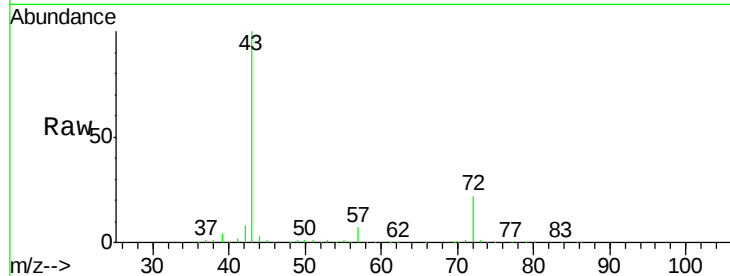
#34  
2-Butanone  
Concen: 9.392 ppbv  
RT: 5.24 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion   | 43  | 72   | Resp  | 883752 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 25.5 | Lower | Upper  |
|           |     |      | 19.8  | 29.6   |

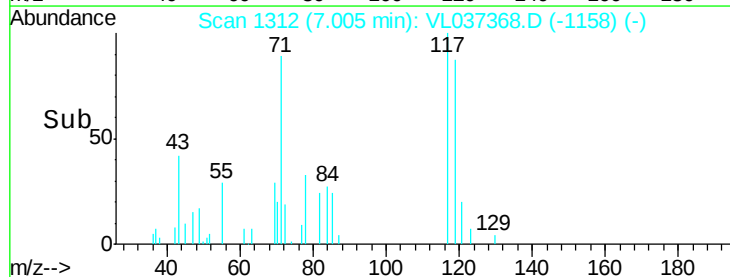
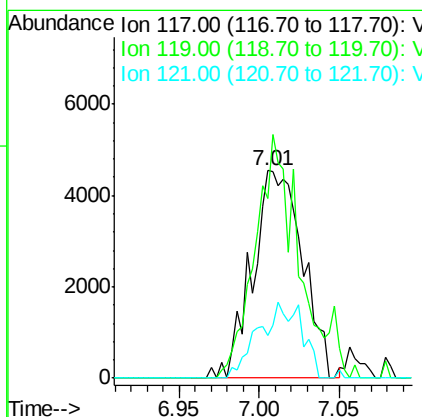
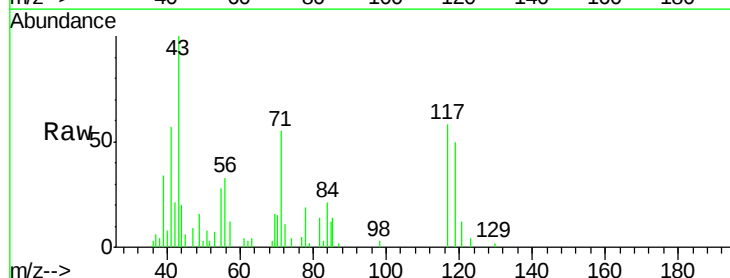
Manual Integrations  
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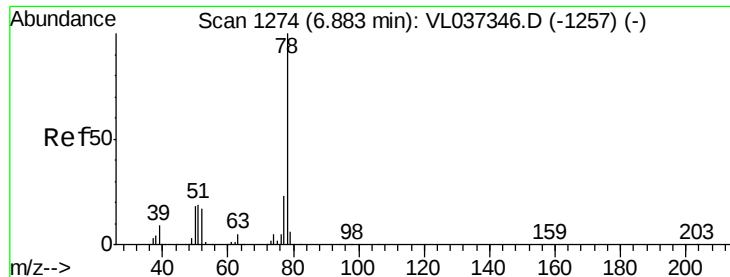
MMDadoda  
8/10/2021 6:10:51 PM



#35  
Carbon Tetrachloride  
Concen: 0.057 ppbv m  
RT: 7.01 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

| Tgt Ion   | 117 | 119  | 121  | Resp  | 9940  |
|-----------|-----|------|------|-------|-------|
| Ion Ratio | 100 | 86.9 | 20.5 | Lower | Upper |
|           |     |      |      | 77.8  | 116.8 |
|           |     |      |      | 24.6  | 36.8# |





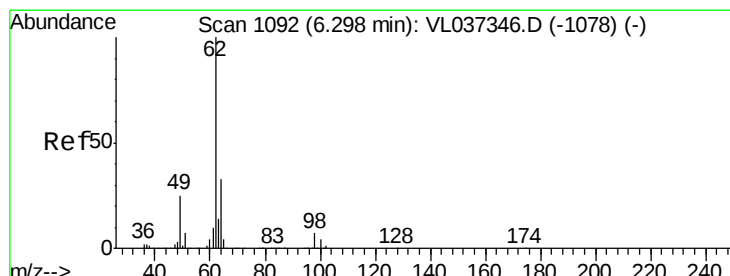
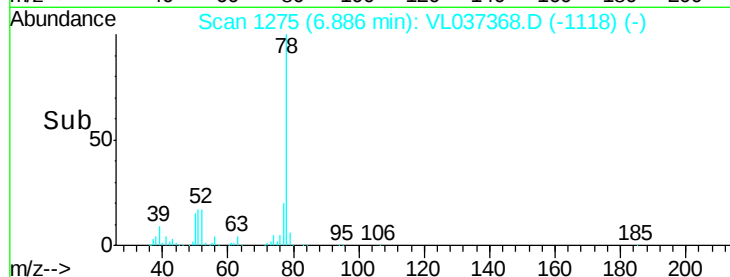
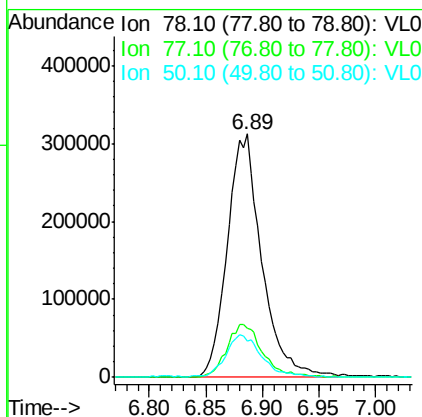
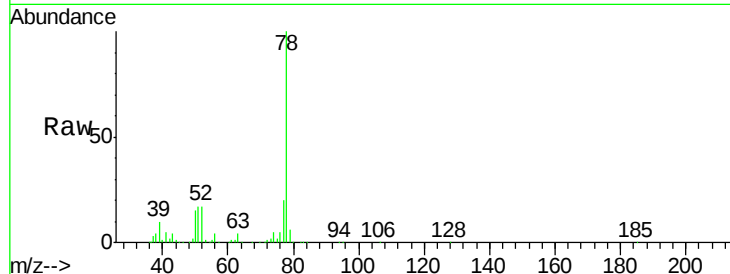
#36  
Benzene  
Concen: 3.079 ppbv  
RT: 6.89 min Scan# 1275  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 20.0  | 18.7  | 28.1  |
| 50      | 14.8  | 14.6  | 22.0  |

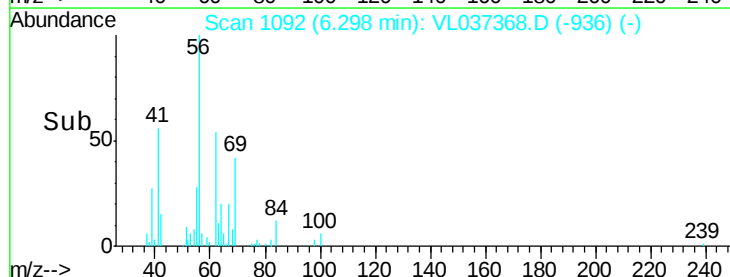
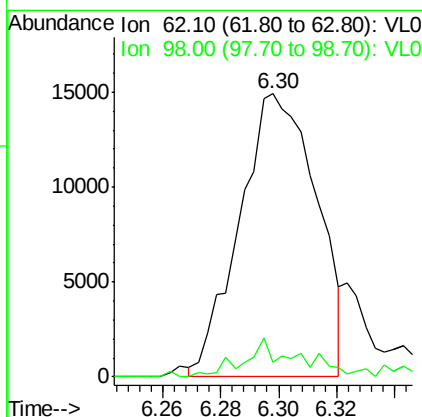
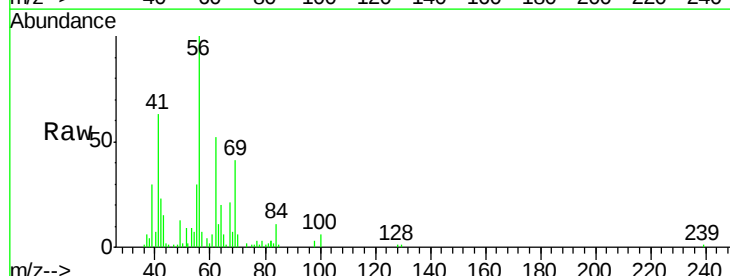
Manual Integrations  
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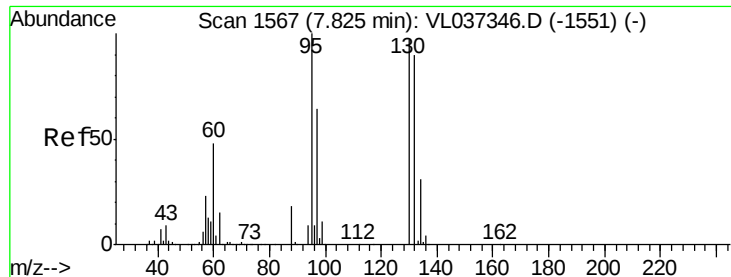
MMDadoda  
8/10/2021 6:10:51 PM



#37  
1,2-Dichloroethane  
Concen: 0.244 ppbv  
RT: 6.30 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 12.0  | 5.6   | 8.4#  |





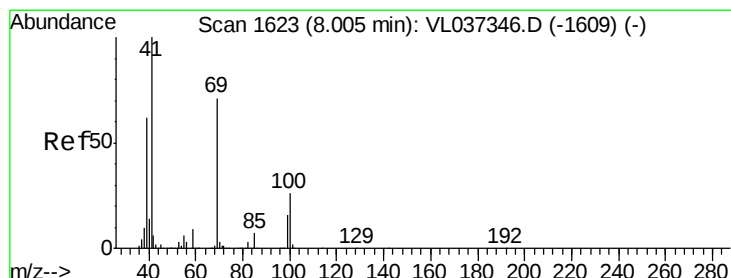
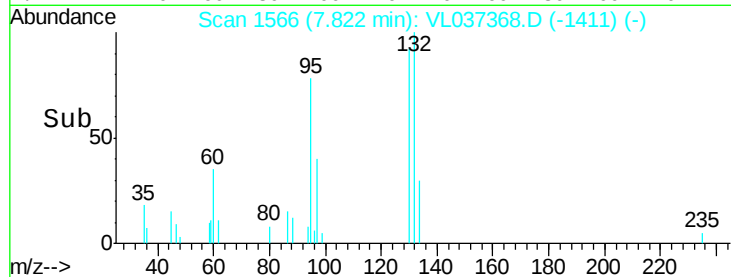
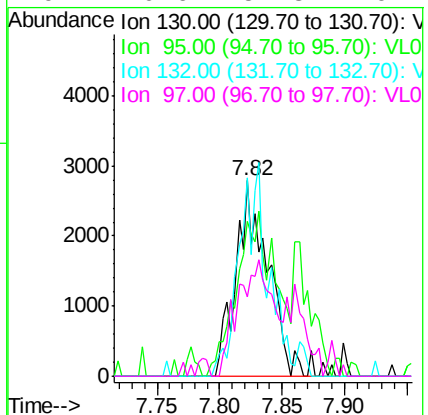
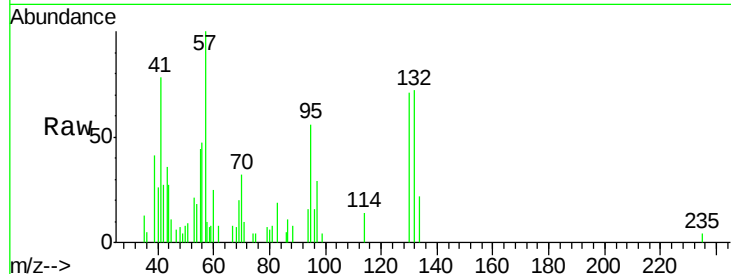
#38  
 Trichloroethene  
 Concen: 0.048 ppbv m  
 RT: 7.82 min Scan# 1566  
 Delta R.T. -0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OFFITE-DDC-INTERMEDIATE-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 130   | Resp: | 5057   |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 79.5  | 82.8  | 124.2# |
| 132       | 101.9 | 74.9  | 112.3  |
| 97        | 40.6  | 52.8  | 79.2#  |

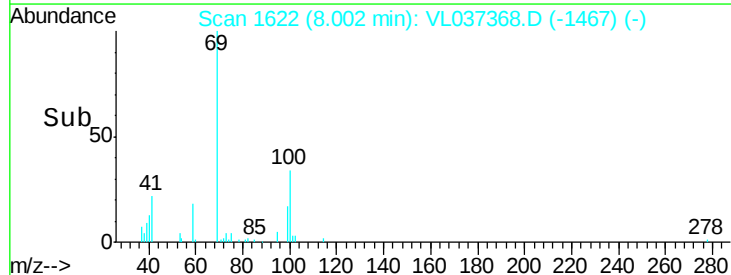
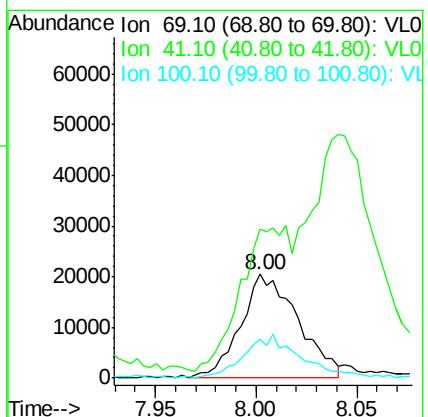
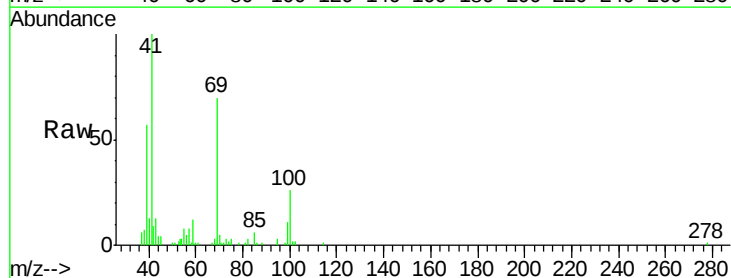
Manual Integrations  
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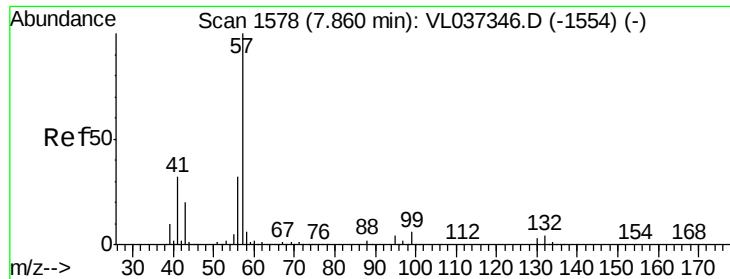
MMDadoda  
 8/10/2021 6:10:51 PM



#43  
 Methyl Methacrylate  
 Concen: 0.583 ppbv  
 RT: 8.00 min Scan# 1622  
 Delta R.T. -0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 69    | Resp: | 40726  |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 0.0   | 115.0 | 172.4# |
| 100       | 43.4  | 30.1  | 45.1   |





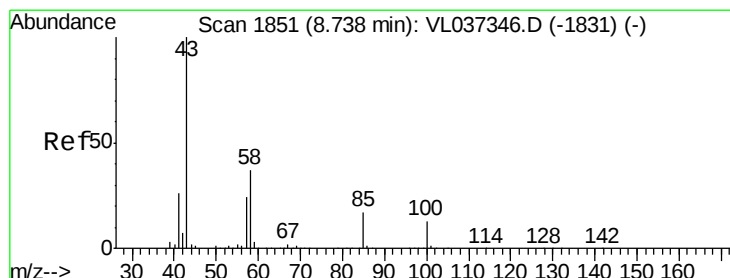
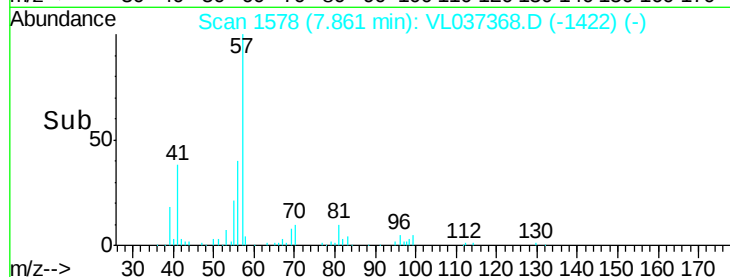
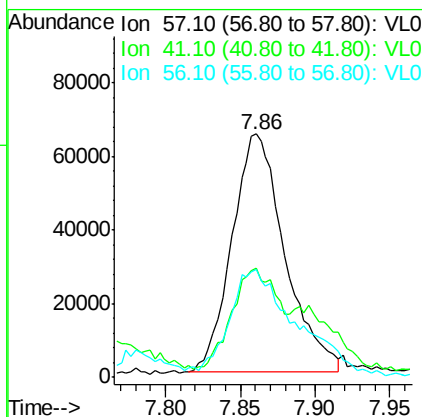
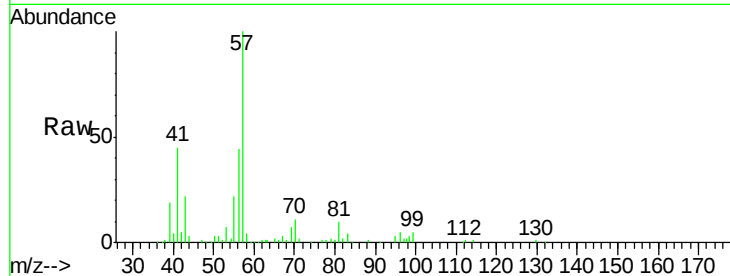
#44  
 2,2,4-Trimethylpentane  
 Concen: 0.444 ppbv  
 RT: 7.86 min Scan# 1578  
 Delta R.T. 0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 62.7  | 26.1  | 39.1# |
| 56      | 55.9  | 25.0  | 37.4# |

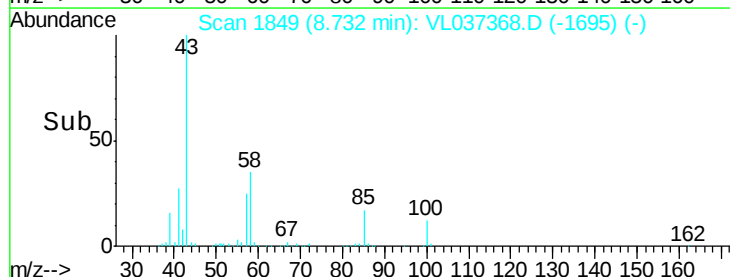
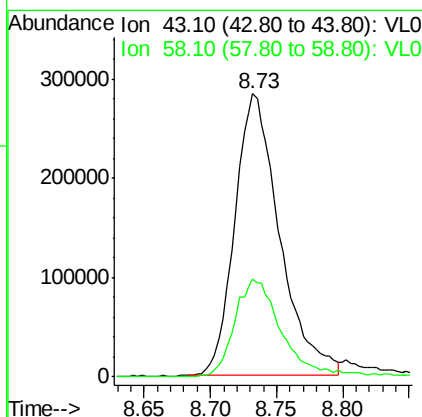
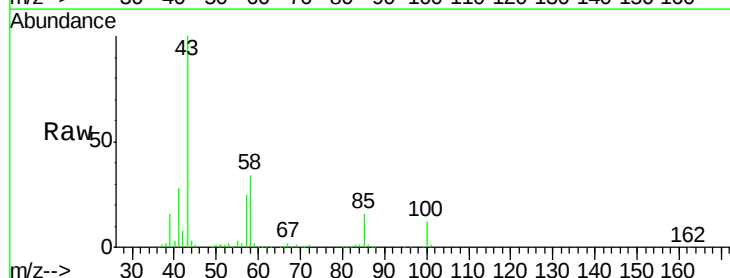
Manual Integrations  
 APPROVED

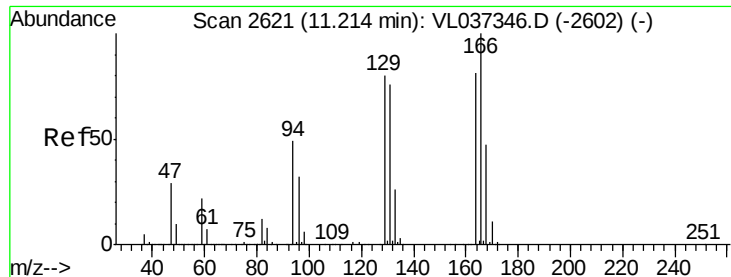
MMDadoda  
 8/10/2021 6:10:51 PM



#50  
 4-Methyl-2-Pentanone  
 Concen: 5.184 ppbv  
 RT: 8.73 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.2  | 29.9  | 44.9  |





#52

Tetrachloroethene

Concen: 0.284 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

Tot Ion:164 Resp: 29084

Ion Ratio Lower Upper

164 100

166 100.9 99.4 149.0

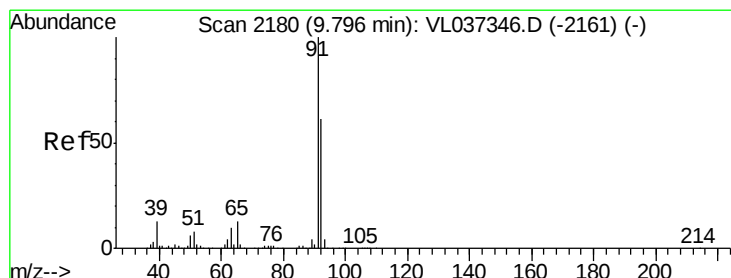
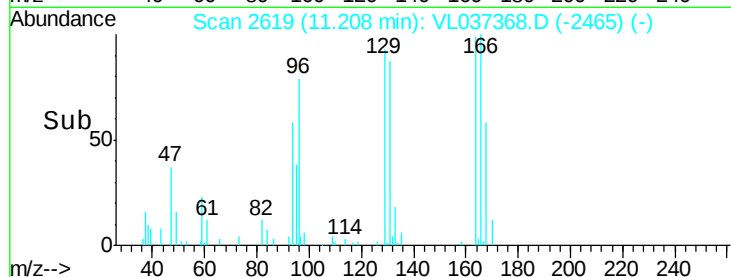
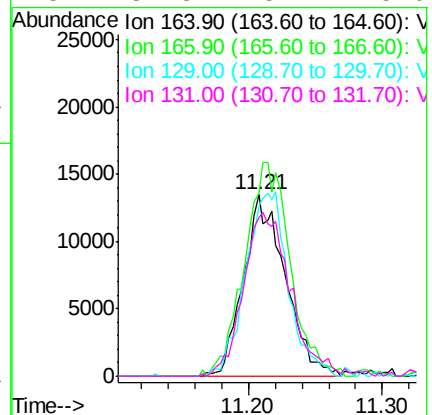
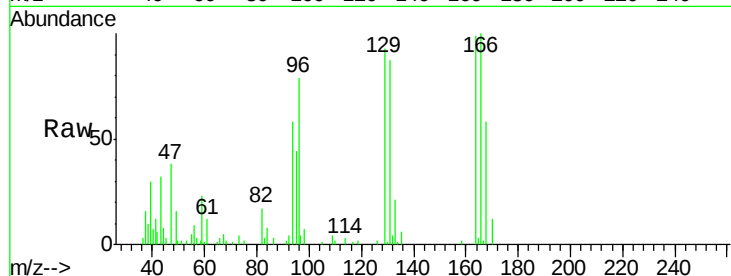
129 94.0 79.2 118.8

131 87.3 75.4 113.0

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#53

Toluene

Concen: 28.434 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037368.D

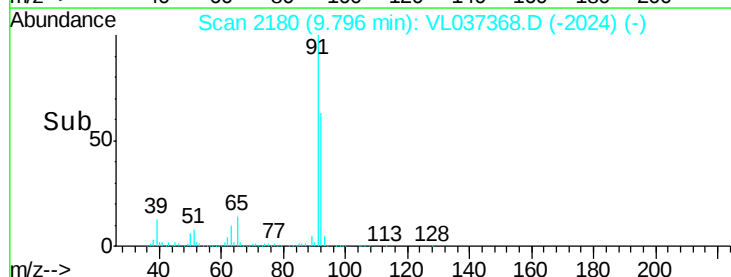
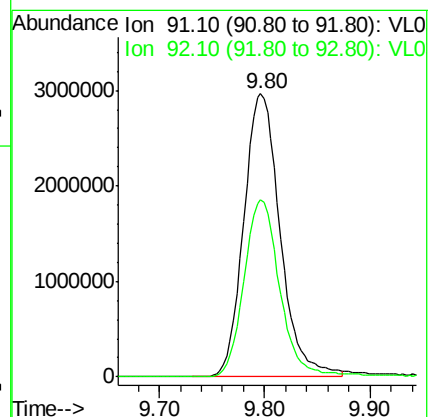
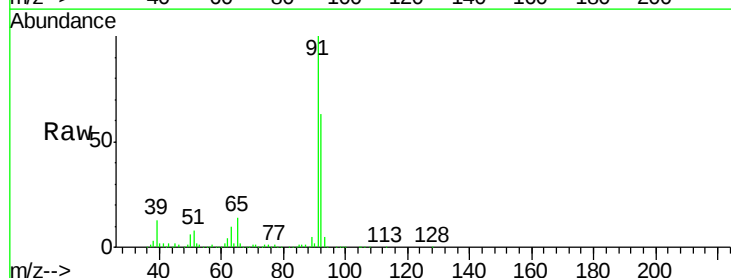
Acq: 7 Aug 2021 7:17

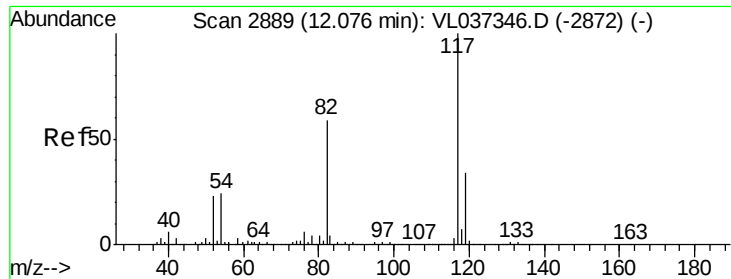
Tgt Ion: 91 Resp: 7119210

Ion Ratio Lower Upper

91 100

92 63.3 48.2 72.4





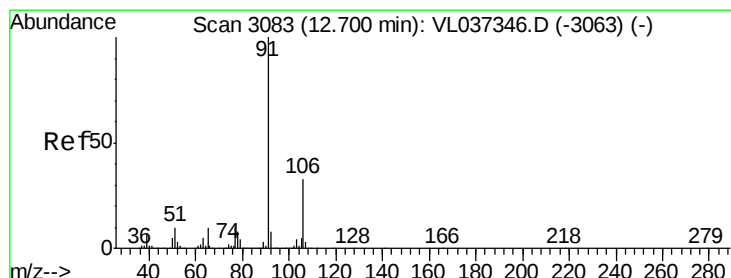
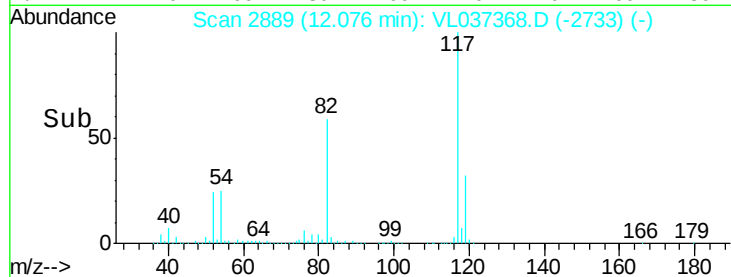
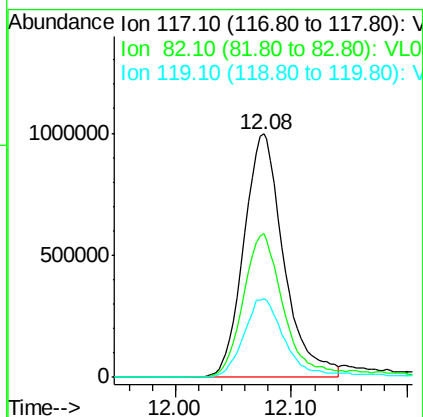
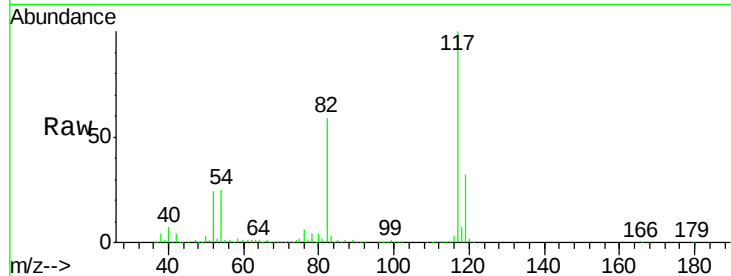
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2889  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 65.3  | 46.0  | 69.0  |
| 119     | 34.7  | 24.4  | 36.6  |

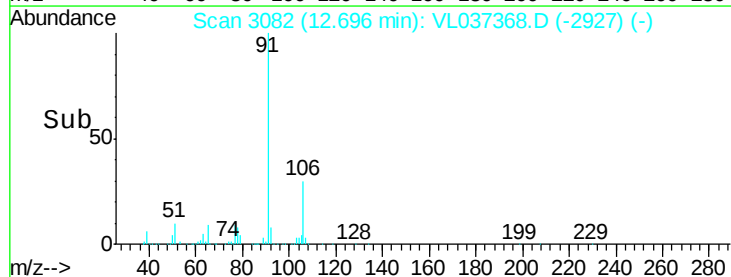
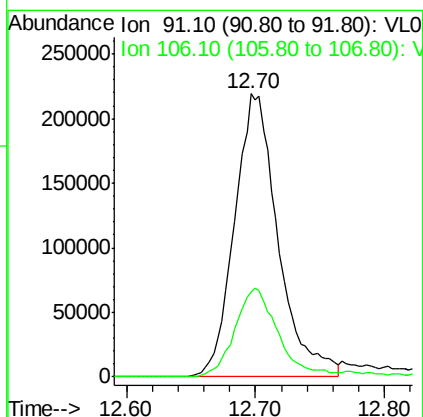
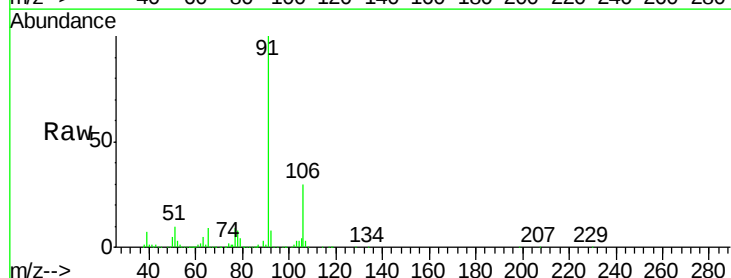
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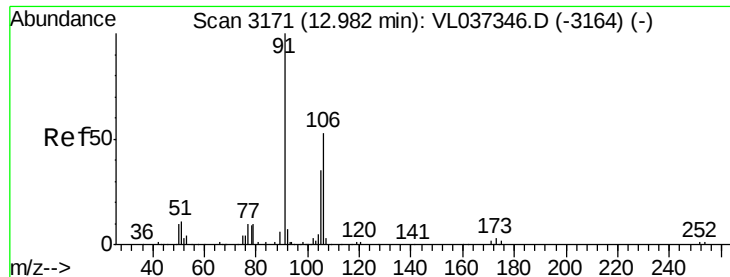
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8/10/2021 6:10:51 PM



#58  
Ethyl Benzene  
Concen: 1.636 ppbv  
RT: 12.70 min Scan# 3082  
Delta R.T. -0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.0  | 26.2  | 39.2  |





#59

m/p-Xylene

Concen: 3.929 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.03 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

Tot Ion: 91 Resp: 1068191

Ion Ratio Lower Upper

91 100

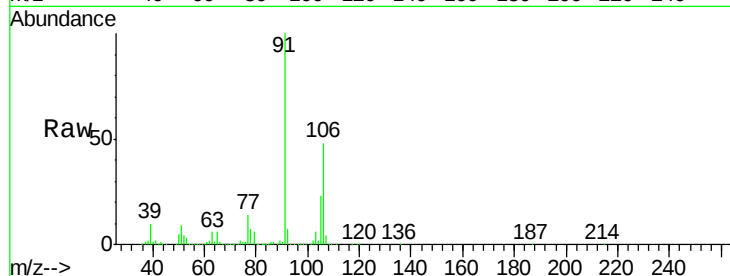
106 52.8 37.0 55.6

Manual Integrations

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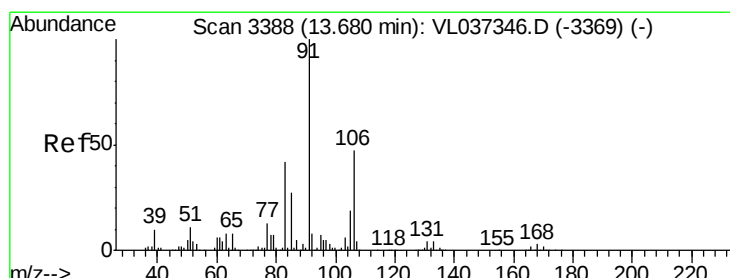
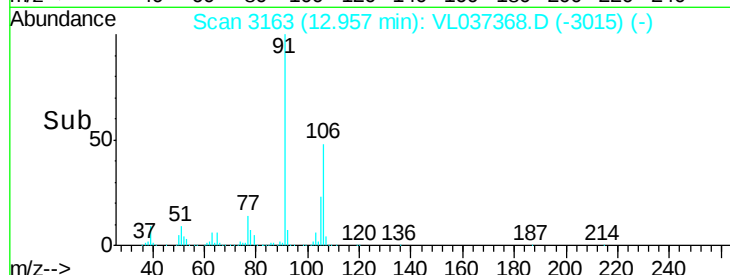
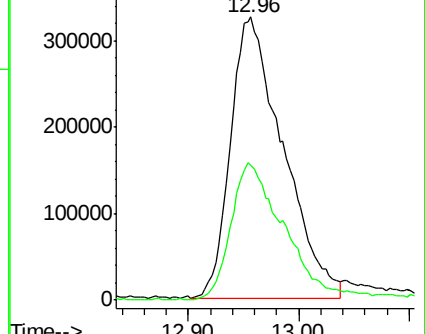
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.618 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037368.D

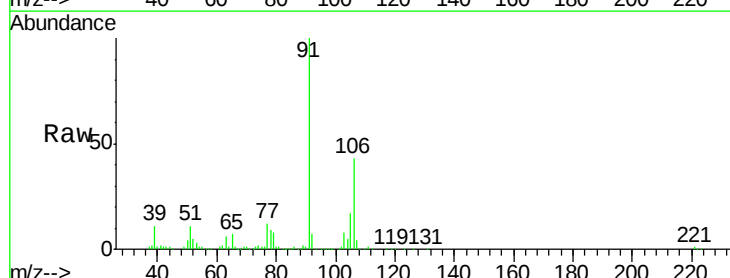
Acq: 7 Aug 2021 7:17

Tgt Ion: 91 Resp: 407798

Ion Ratio Lower Upper

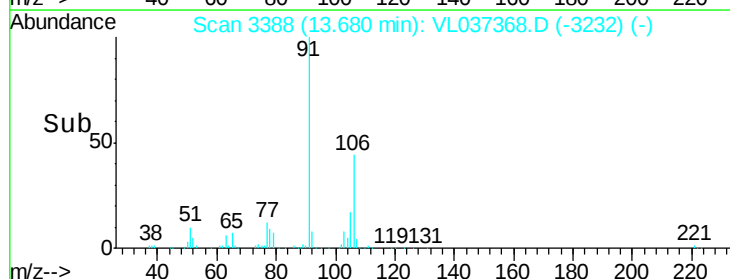
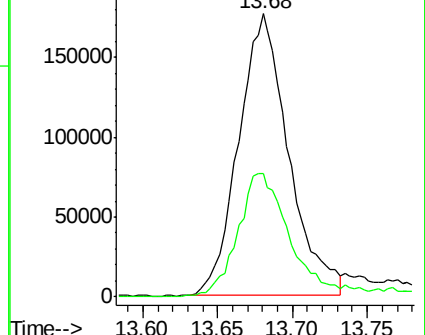
91 100

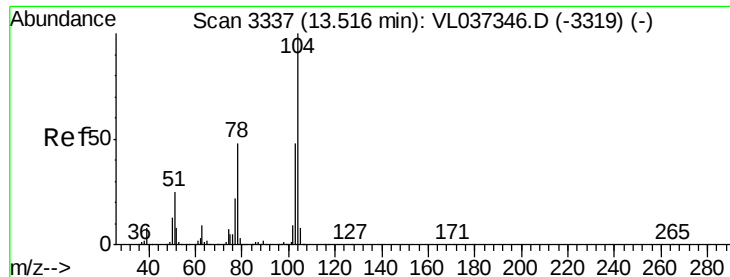
106 51.2 23.1 69.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





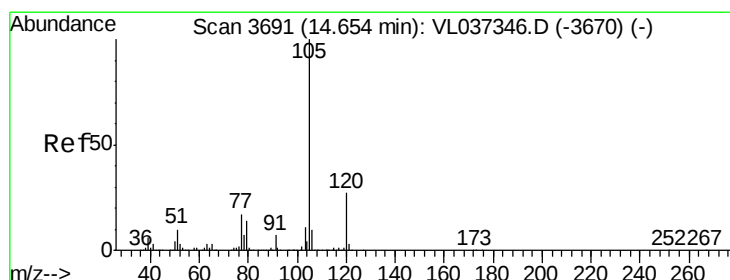
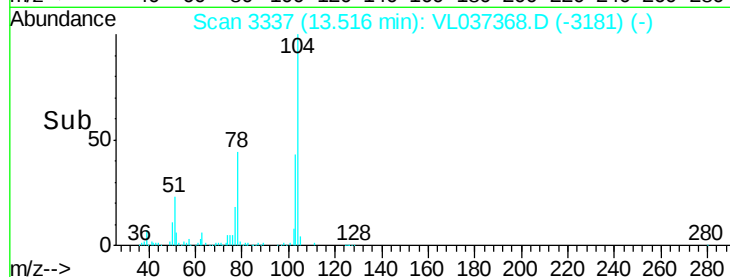
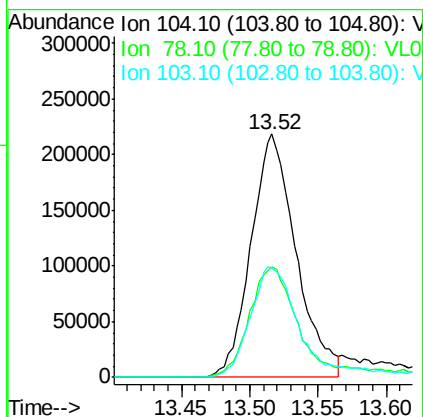
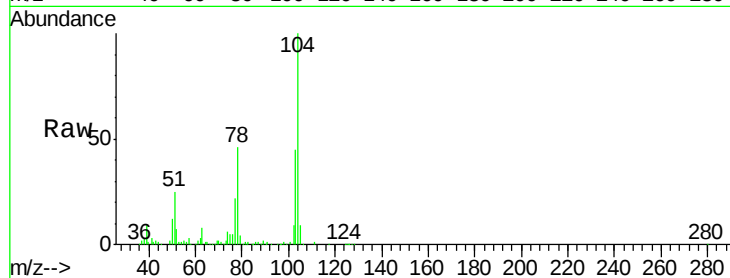
#61  
Stvrene  
Concen: 3.856 ppbv  
RT: 13.52 min Scan# 3337  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.2  | 38.2  | 57.4  |
| 103     | 50.8  | 38.3  | 57.5  |

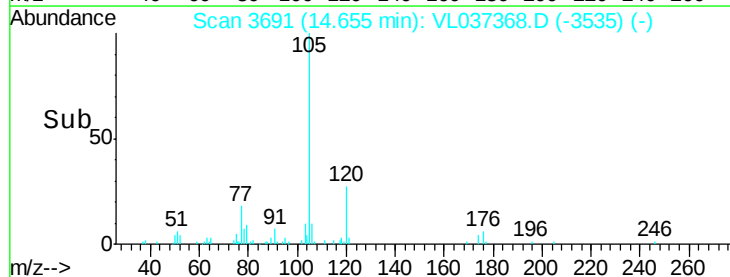
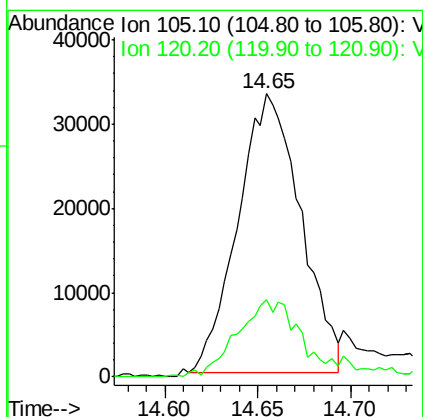
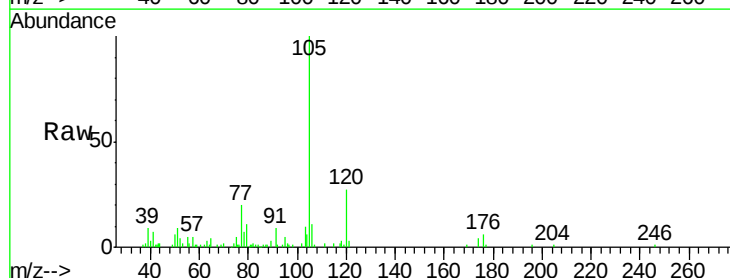
Manual Integrations  
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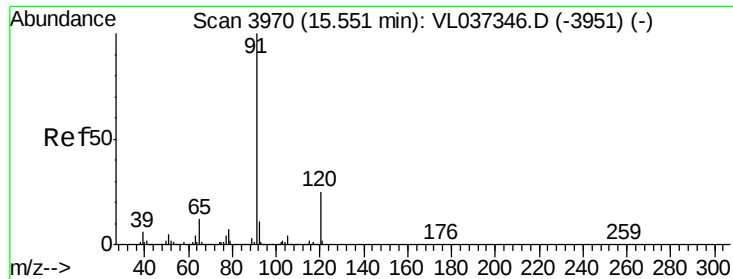
MMDadoda  
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#62  
Isopropylbenzene  
Concen: 0.210 ppbv  
RT: 14.65 min Scan# 3691  
Delta R.T. 0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 31.4  | 21.4  | 32.2  |





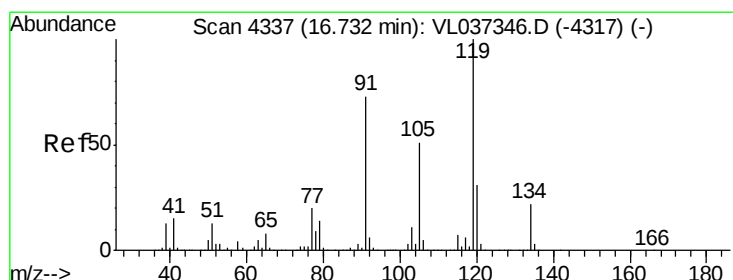
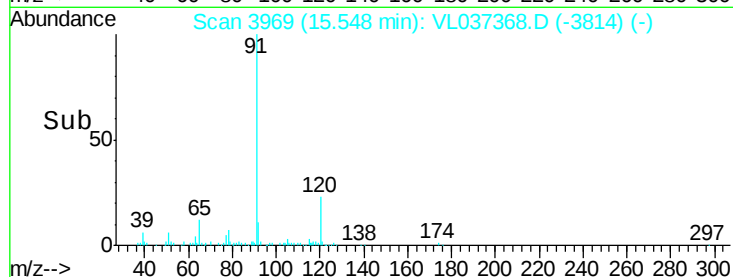
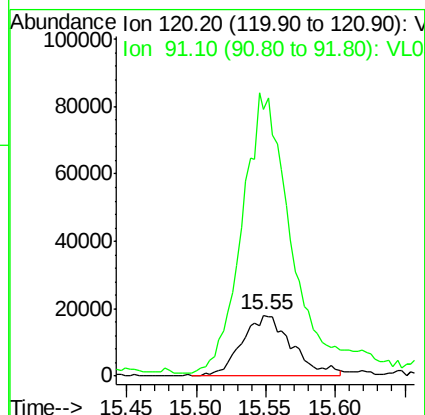
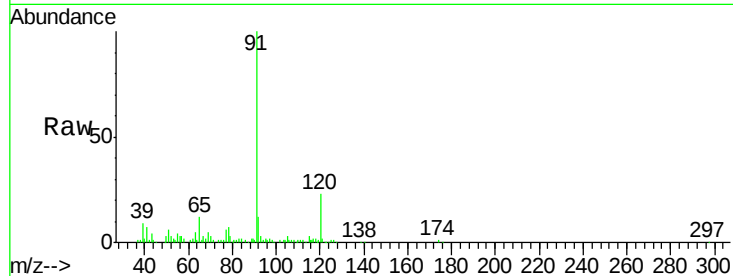
#64  
n-propylbenzene  
Concen: 0.480 ppbv m  
RT: 15.55 min Scan# 3969  
Delta R.T. -0.00 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 120     | 100   |       |       |
| 91      | 464.3 | 344.6 | 517.0 |

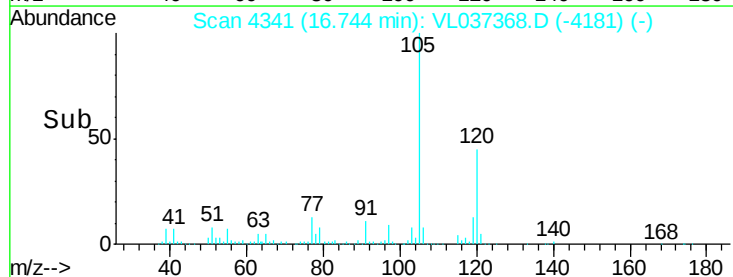
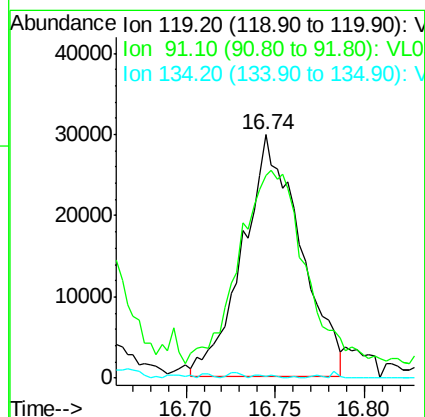
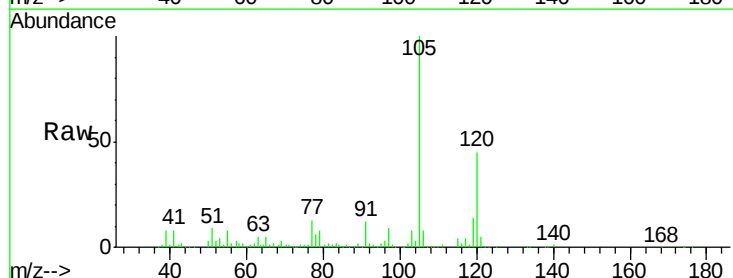
Manual Integrations  
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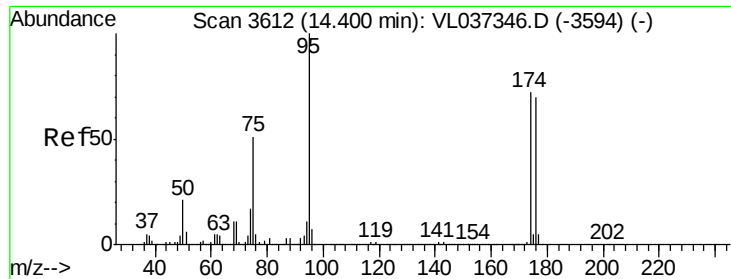
MMDadoda  
8/10/2021 6:10:51 PM



#65  
tert-Butylbenzene  
Concen: 0.196 ppbv  
RT: 16.74 min Scan# 4341  
Delta R.T. 0.01 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 110.4 | 59.6  | 89.4# |
| 134     | 0.0   | 16.6  | 24.8# |





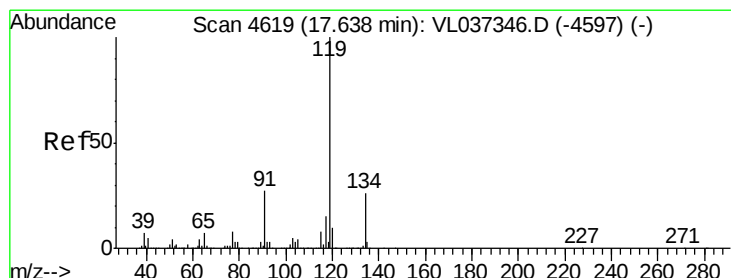
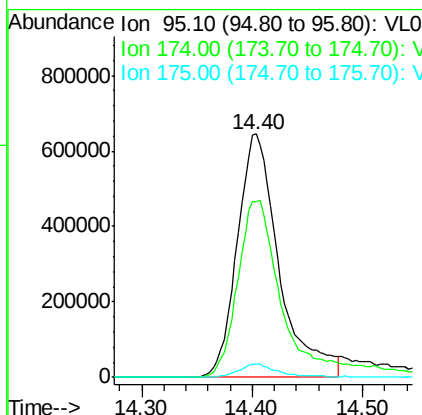
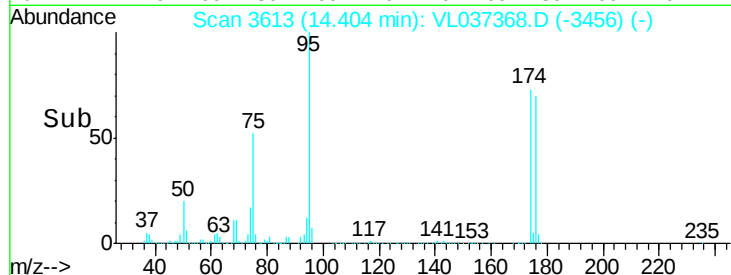
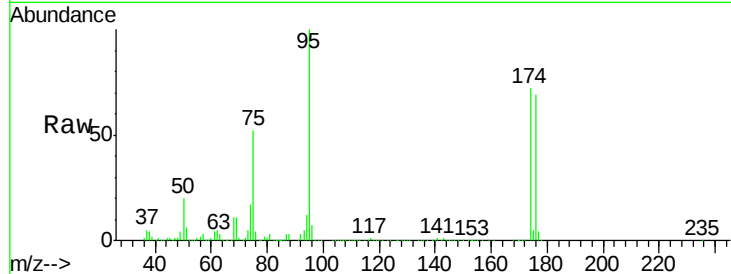
#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.074 ppbv  
 RT: 14.40 min Scan# 3613  
 Delta R.T. 0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OFFITE-DDC-INTERMEDIATE-1

Tot Ion: 95 Resp: 1697493  
 Ion Ratio Lower Upper  
 95 100  
 174 81.7 60.8 91.2  
 175 5.3 4.3 6.5

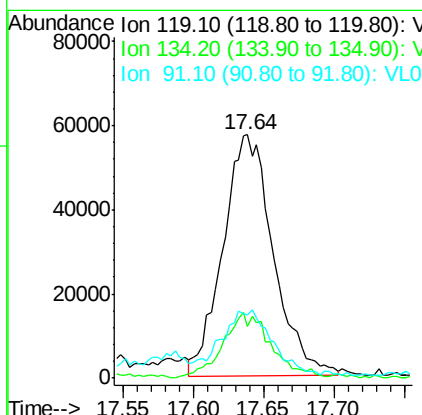
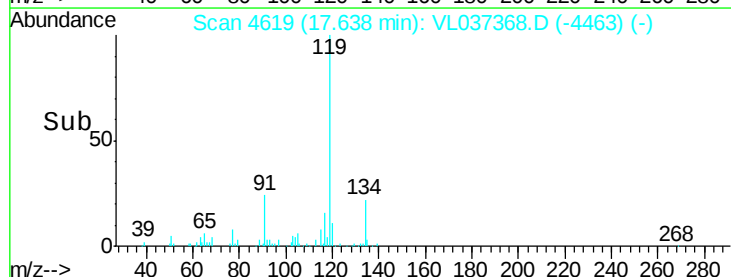
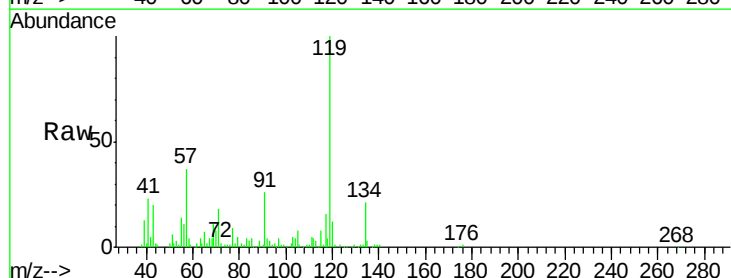
Manual Integrations  
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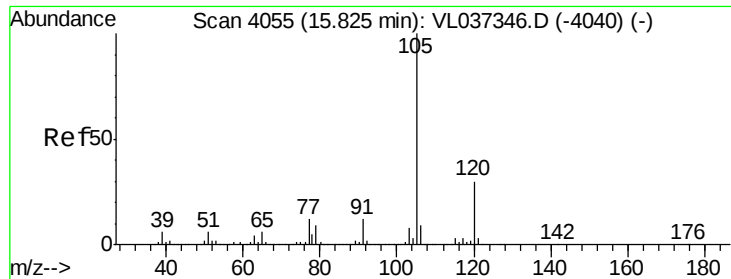
MMDadoda  
 8/10/2021 6:10:51 PM



#69  
 p-Isopropyltoluene  
 Concen: 0.367 ppbv  
 RT: 17.64 min Scan# 4619  
 Delta R.T. 0.00 min  
 Lab File: VL037368.D  
 Acq: 7 Aug 2021 7:17

Tgt Ion: 119 Resp: 142730  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 20.8 31.2  
 91 28.0 21.0 31.6





#72

4-Ethyltoluene

Concen: 0.673 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

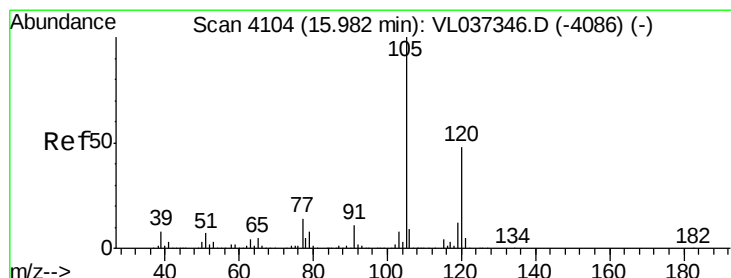
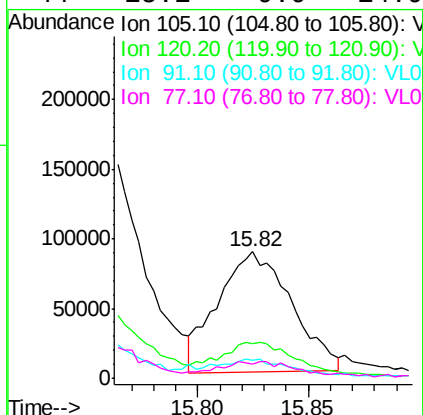
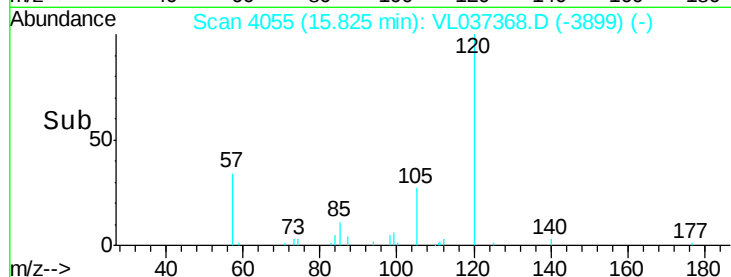
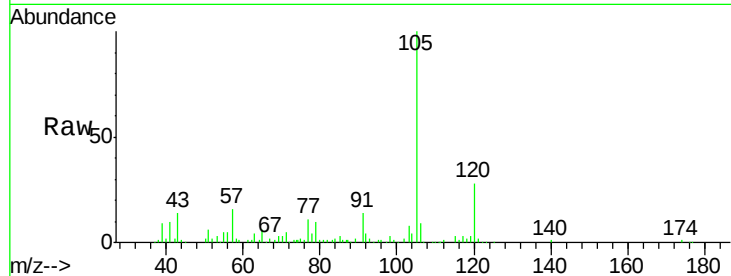
ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 200569 |       |       |
| 120     | 34.1  |        | 24.4  | 36.6  |
| 91      | 13.6  |        | 9.8   | 14.6  |
| 77      | 15.1  |        | 9.9   | 14.9  |

Manual Integrations  
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#73

1,3,5-Trimethylbenzene

Concen: 0.559 ppbv

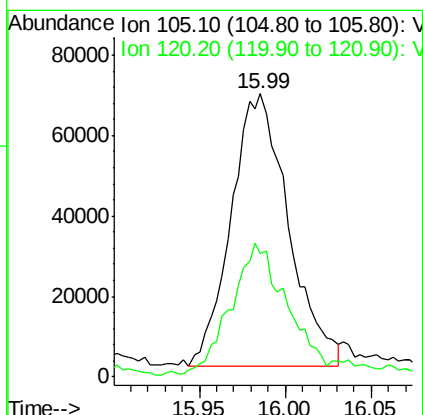
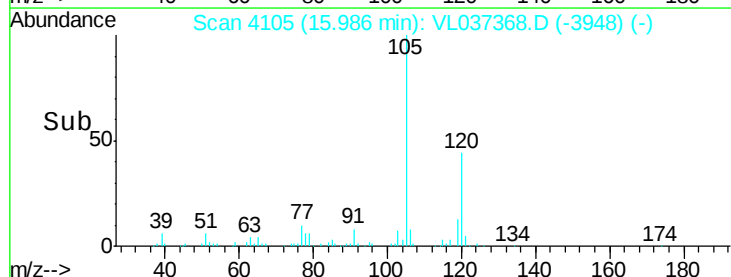
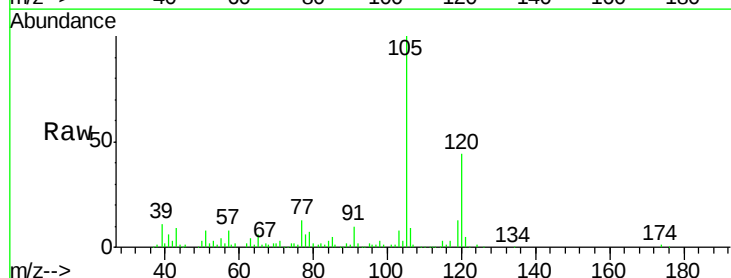
RT: 15.99 min Scan# 4105

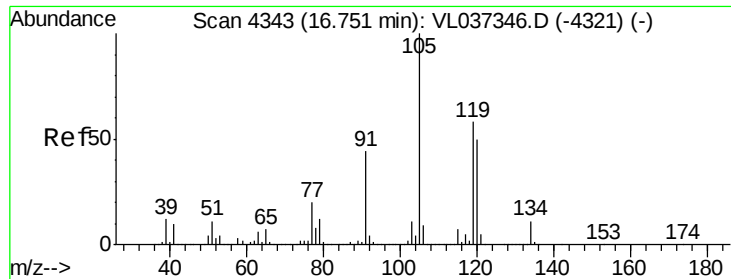
Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 157246 |       |       |
| 120     | 43.1  |        | 38.1  | 57.1  |





#74

1,2,4-Trimethylbenzene

Concen: 1.873 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

Instrument :

MSVOA\_L

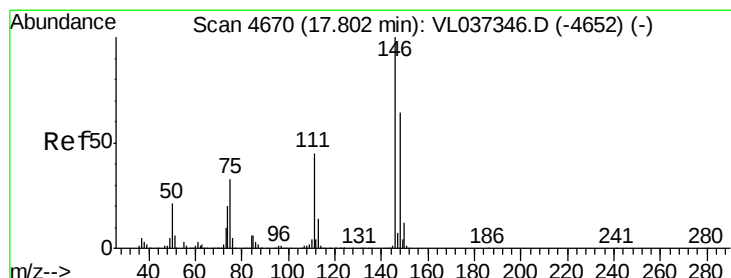
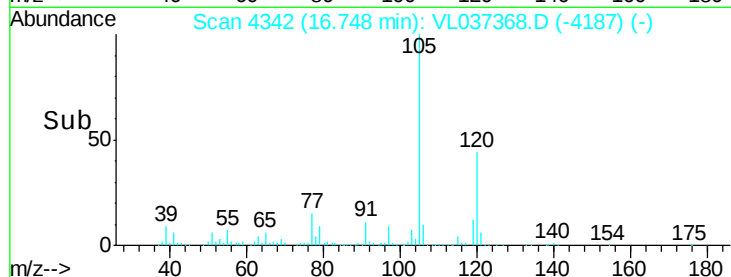
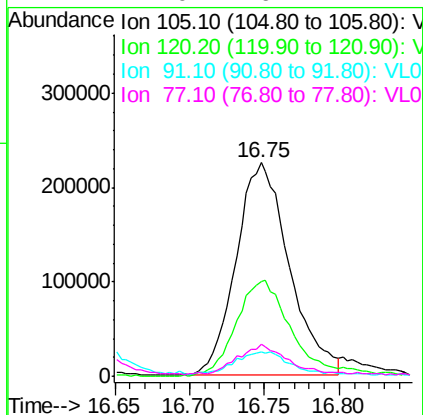
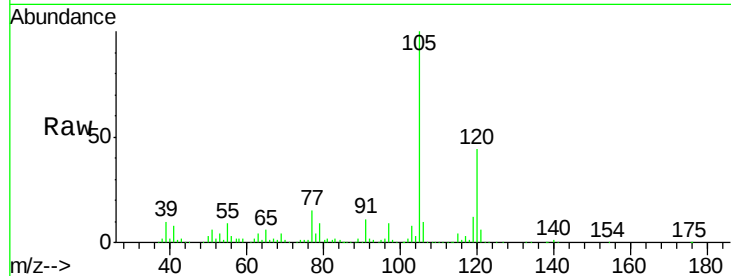
ClientSampleId :

OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 120     | 44.5  | 39.7 | 59.5  |       |
| 91      | 10.6  | 35.0 | 52.6  |       |
| 77      | 14.0  | 16.1 | 24.1  |       |

Manual Integrations  
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8/10/2021 6:10:51 PM



#77

1,2-Dichlorobenzene

Concen: 0.101 ppbv m

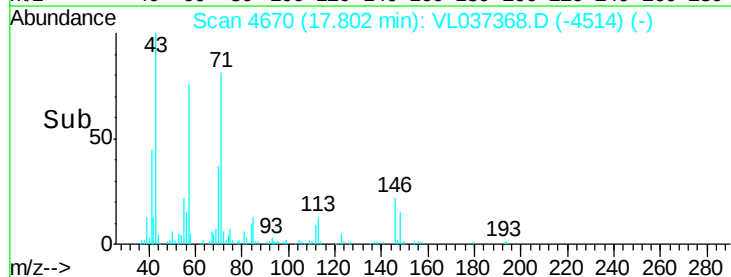
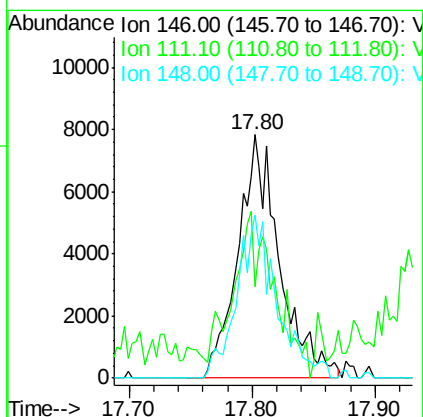
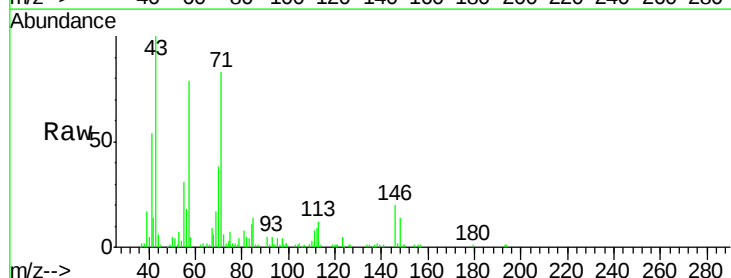
RT: 17.80 min Scan# 4670

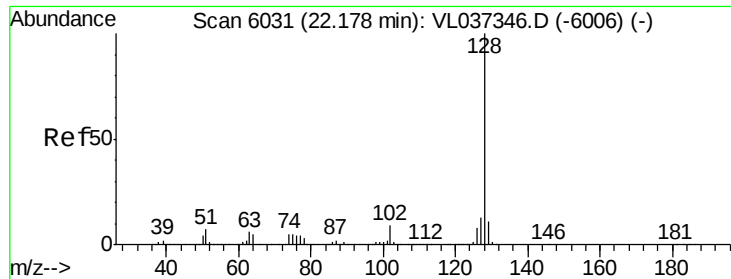
Delta R.T. 0.00 min

Lab File: VL037368.D

Acq: 7 Aug 2021 7:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 59.7  | 22.4 | 67.2  |       |
| 148     | 65.1  | 32.9 | 98.6  |       |





#79  
Naphthalene  
Concen: 0.123 ppbv m  
RT: 22.18 min Scan# 6033  
Delta R.T. 0.01 min  
Lab File: VL037368.D  
Acq: 7 Aug 2021 7:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
OFFITE-DDC-INTERMEDIATE-1

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 127     | 11.1  | 10.2       | 15.2  |
| 129     | 14.5  | 8.8        | 13.2# |

Manual Integrations  
APPROVED

MMDadoda  
8/10/2021 6:10:51 PM

