

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\  
 Data File : VL036602.D  
 Acq On : 31 Mar 2021 15:05  
 Operator : SY/AP  
 Sample : M1840-03DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SSB-SS-1DL

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2021 6:52:30 PM

Quant Time: Apr 01 22:51:16 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1646422  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3932364  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3443701  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2634659  | 9.60     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.00% |

| Target Compounds       | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|------------------------|------|------|----------|--------|--------|--------|
| 9) Propene             | 3.02 | 41   | 18188m   | 0.185  | ppbv   |        |
| 13) Ethanol            | 3.61 | 45   | 127504m  | 10.918 | ppbv   |        |
| 15) Acetone            | 3.85 | 43   | 1294448  | 7.988  | ppbv   | 96     |
| 19) Isopropyl Alcohol  | 3.98 | 45   | 428372m  | 4.806  | ppbv   |        |
| 20) Methylene Chloride | 4.34 | 84   | 400112   | 5.274  | ppbv   | 95     |
| 26) Hexane             | 5.68 | 57   | 455642   | 2.549  | ppbv # | 46     |
| 34) 2-Butanone         | 5.25 | 43   | 119458   | 0.622  | ppbv # | 83     |
| 36) Benzene            | 6.89 | 78   | 41316m   | 0.114  | ppbv   |        |

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

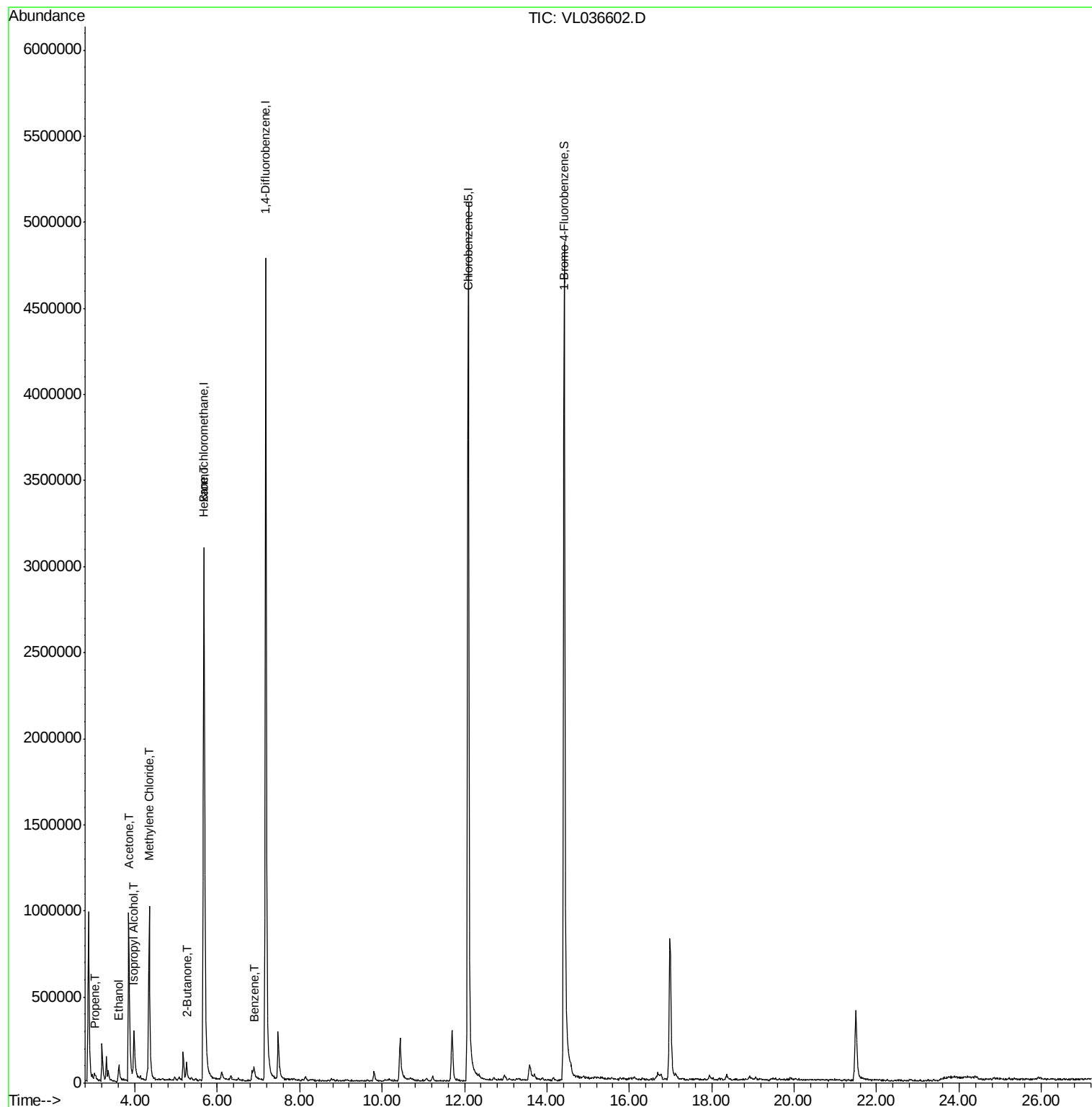
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033121\  
Data File : VL036602.D  
Acq On : 31 Mar 2021 15:05  
Operator : SY/AP  
Sample : M1840-03DL 10X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSB-SS-1DL

Manual Integrations  
APPROVED

MMDadoda  
4/2/2021 6:52:30 PM

Quant Time: Apr 01 22:51:16 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar  
QLast Update : Thu Mar 25 09:42:40 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036602.D

Acq: 31 Mar 2021 15:05

Instrument :

MSVOA\_L

ClientSampleId :

SSB-SS-1DL

Tot Ion: 49 Resp: 1646422

Ion Ratio Lower Upper

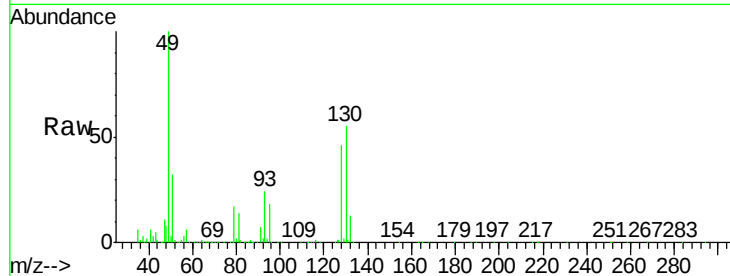
49 100

128 47.3 23.5 70.6

130 58.8 29.1 87.4

Manual Integrations  
APPROVED

MMDadoda  
4/2/2021 6:52:30 PM



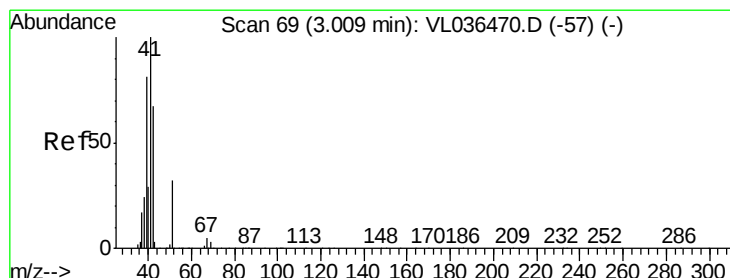
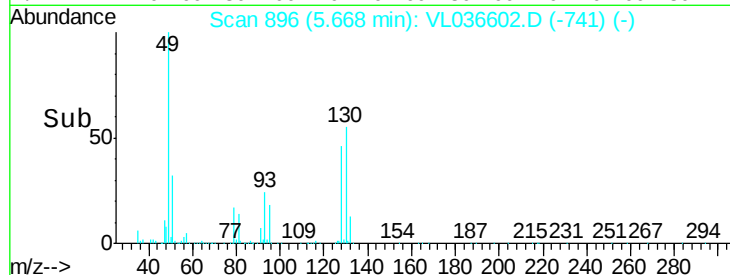
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#9

Propene

Concen: 0.185 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036602.D

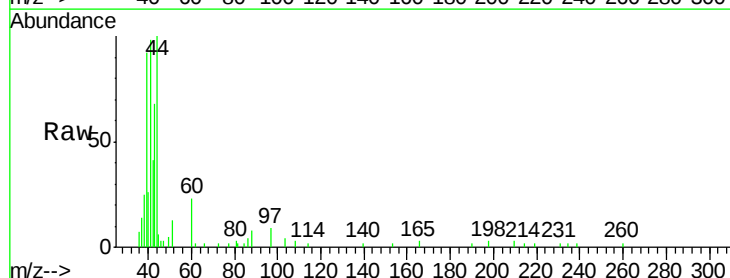
Acq: 31 Mar 2021 15:05

Tgt Ion: 41 Resp: 18188

Ion Ratio Lower Upper

41 100

42 50.1 57.0 85.4#

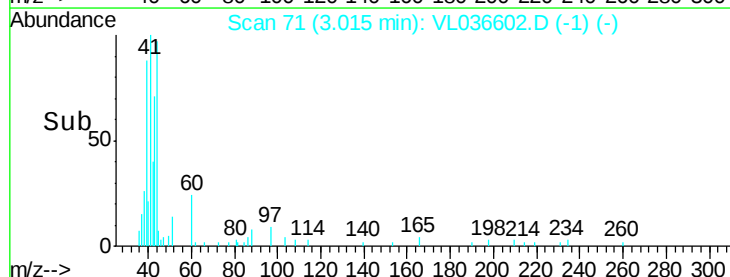


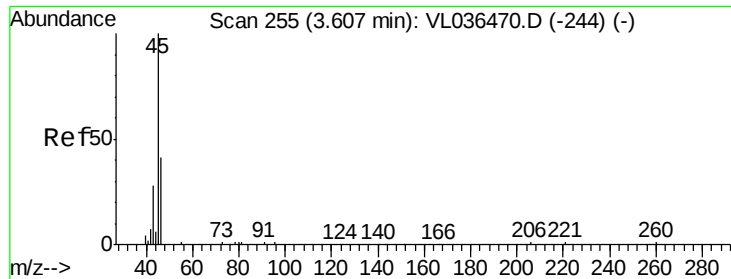
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

Time-->





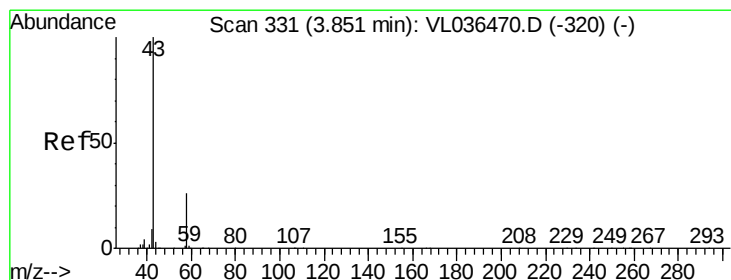
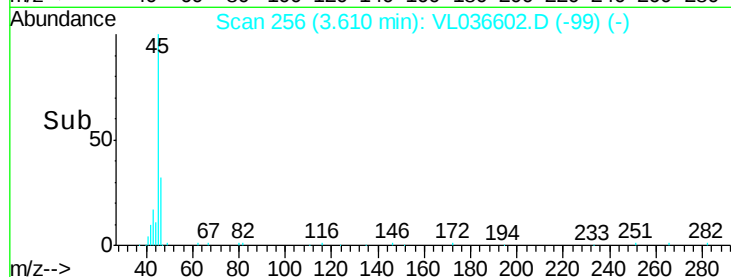
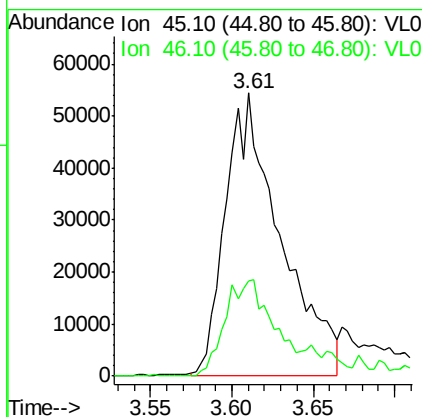
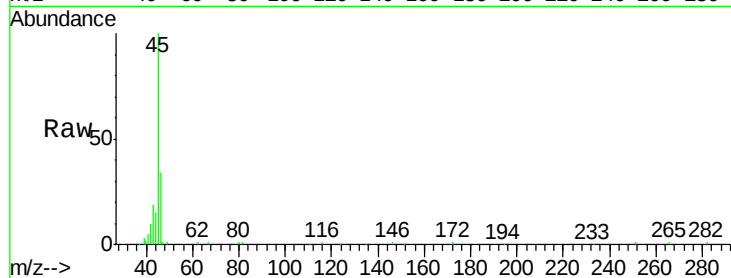
#13  
Ethanol  
Concen: 10.918 ppbv m  
RT: 3.61 min Scan# 256  
Delta R.T. 0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSB-SS-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 46      | 0.0   | 16.6  | 66.2# |

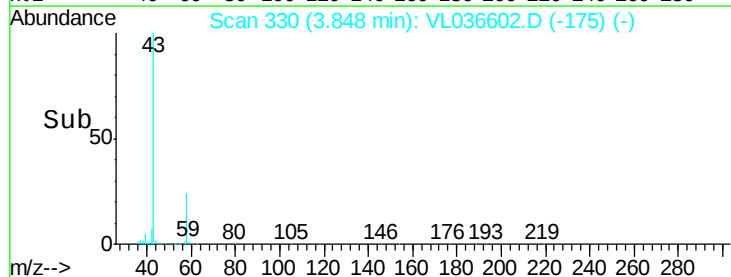
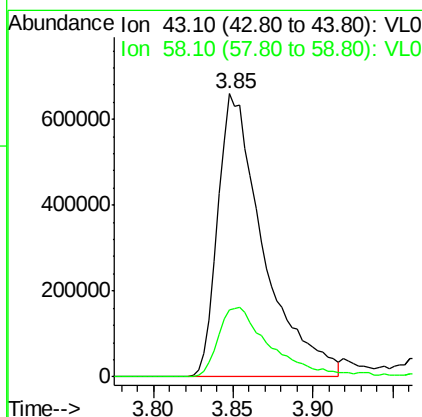
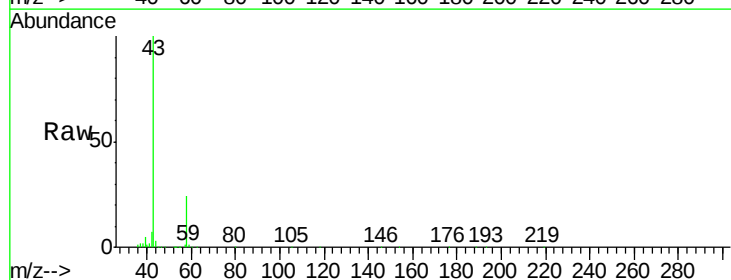
Manual Integrations  
APPROVED

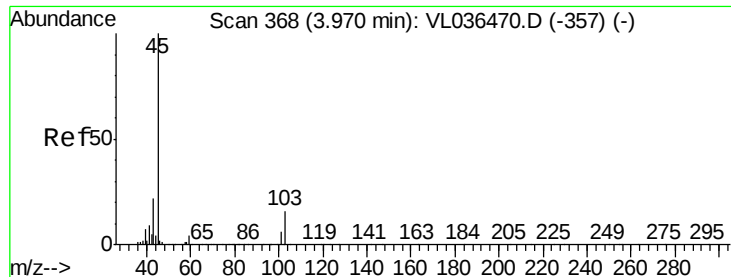
MMDadoda  
4/2/2021 6:52:30 PM



#15  
Acetone  
Concen: 7.988 ppbv  
RT: 3.85 min Scan# 330  
Delta R.T. -0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 28.6  | 21.2  | 31.8  |





#19

Isopropyl Alcohol

Concen: 4.806 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036602.D

Acq: 31 Mar 2021 15:05

Tot Ion: 45 Resp: 428372

Ion Ratio Lower Upper

45 100

58 4.0 2.9 4.3

Instrument :

MSVOA\_L

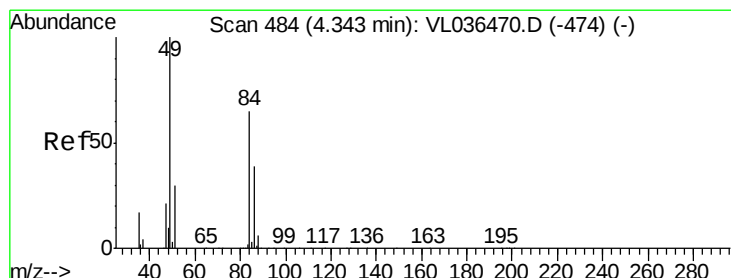
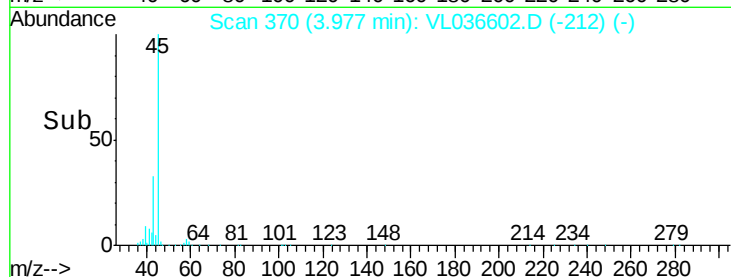
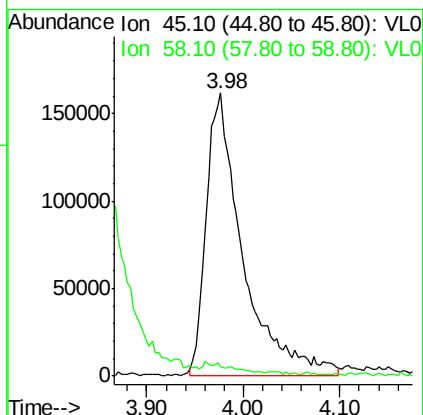
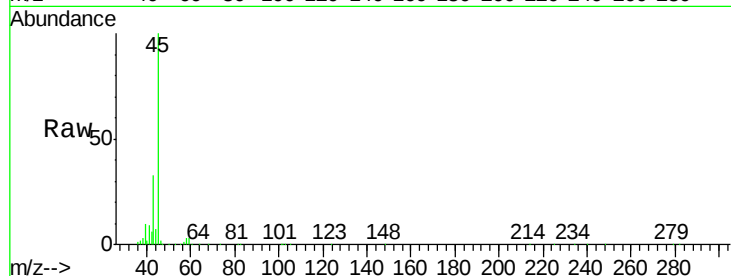
ClientSampleId :

SSB-SS-1DL

Manual Integrations  
APPROVED

MMDadoda

4/2/2021 6:52:30 PM



#20

Methylene Chloride

Concen: 5.274 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036602.D

Acq: 31 Mar 2021 15:05

Tgt Ion: 84 Resp: 400112

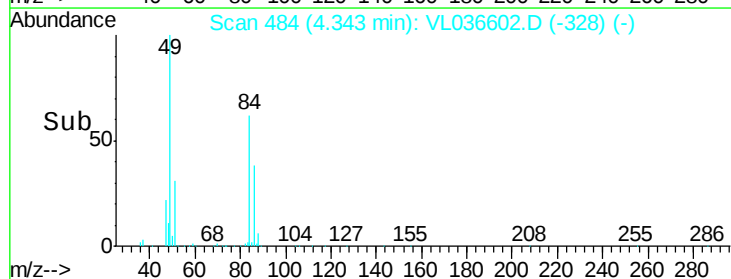
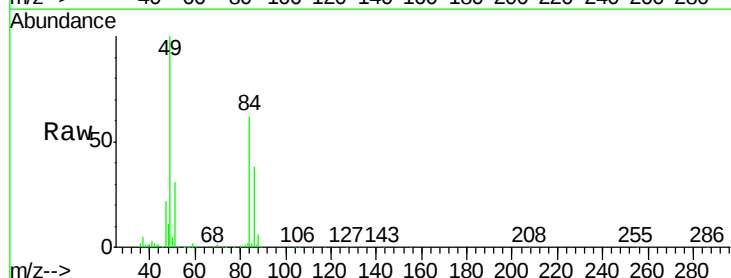
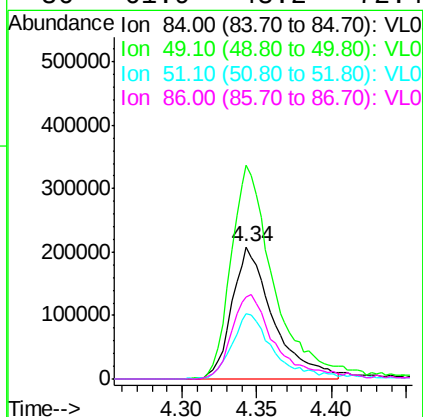
Ion Ratio Lower Upper

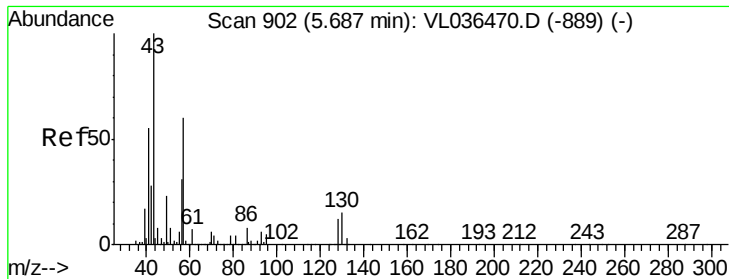
84 100

49 161.2 122.9 184.3

51 49.1 36.9 55.3

86 61.9 48.2 72.4





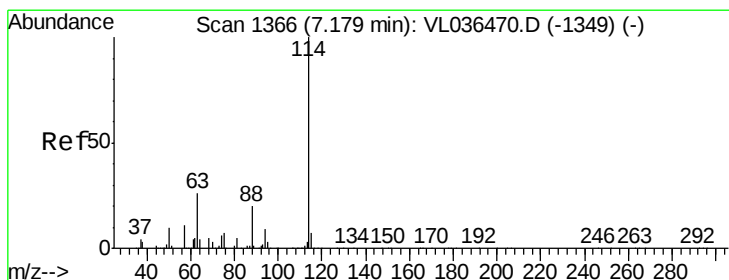
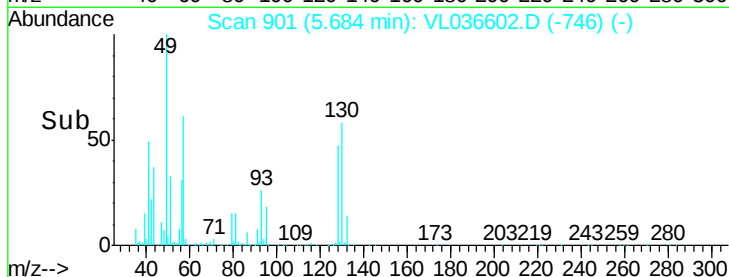
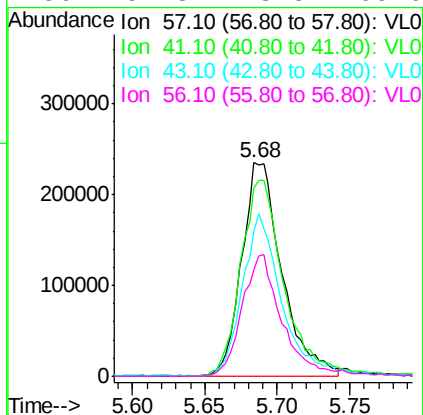
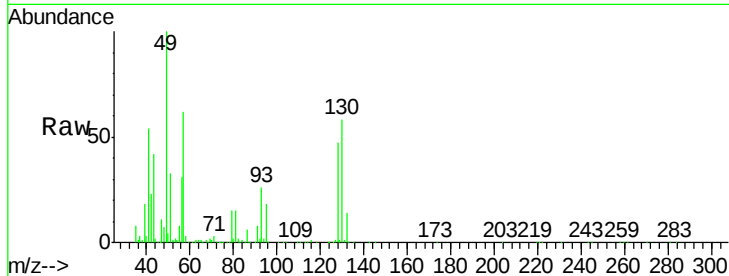
#26  
Hexane  
Concen: 2.549 ppbv  
RT: 5.68 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSB-SS-1DL

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 57      | 100   |       |        |
| 41      | 100.3 | 77.2  | 115.8  |
| 43      | 74.6  | 173.8 | 260.6# |
| 56      | 57.3  | 43.8  | 65.6   |

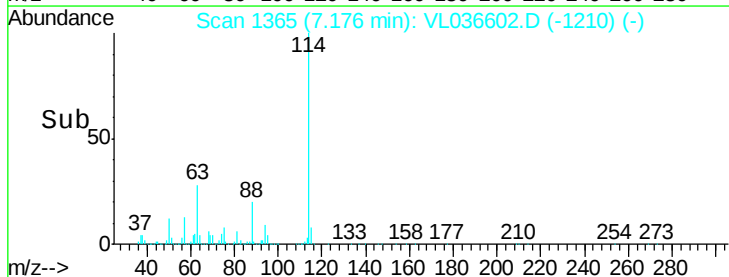
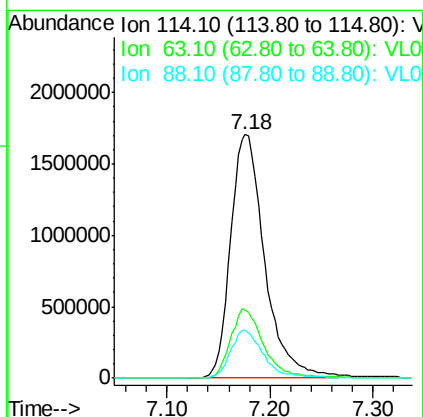
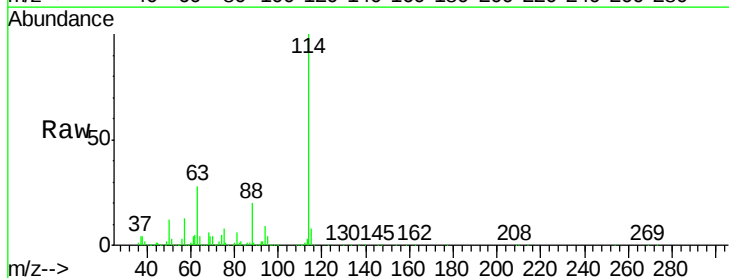
Manual Integrations  
APPROVED

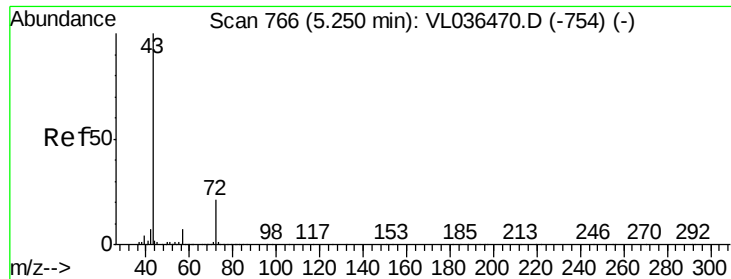
MMDadoda  
4/2/2021 6:52:30 PM



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.18 min Scan# 1365  
Delta R.T. -0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 28.0  | 22.4  | 33.6  |
| 88      | 19.3  | 15.4  | 23.0  |





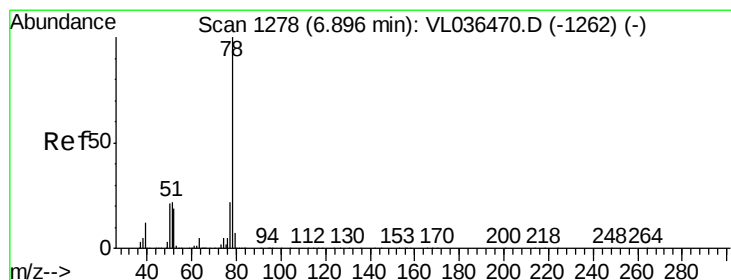
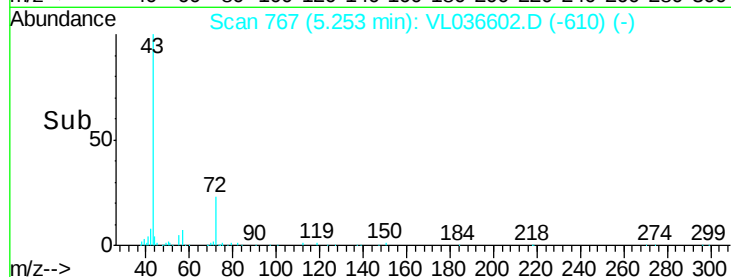
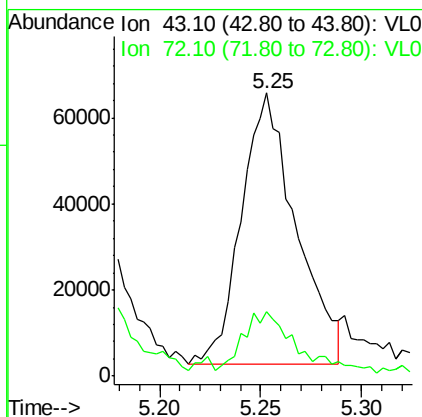
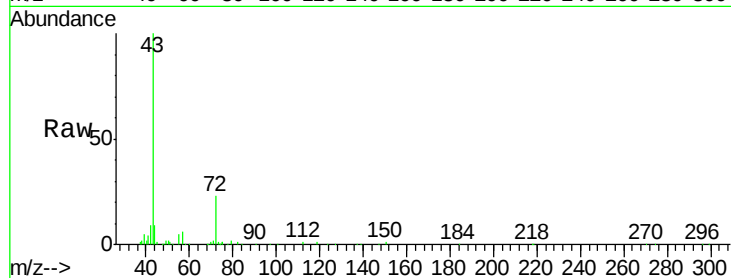
#34  
2-Butanone  
Concen: 0.622 ppbv  
RT: 5.25 min Scan# 767  
Delta R.T. 0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSB-SS-1DL

Tot Ion: 43 Resp: 119458  
Ion Ratio Lower Upper  
43 100  
72 29.3 17.0 25.6#

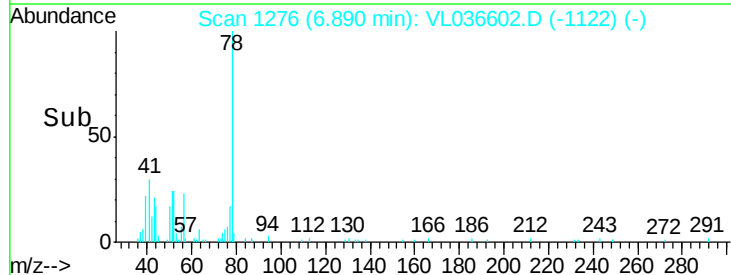
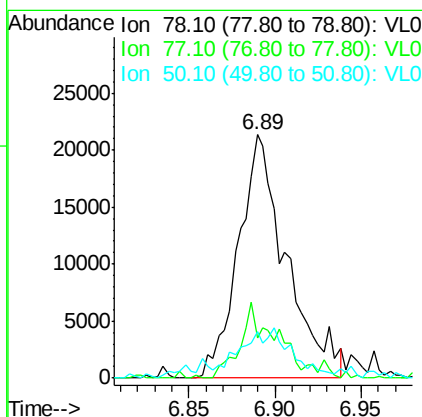
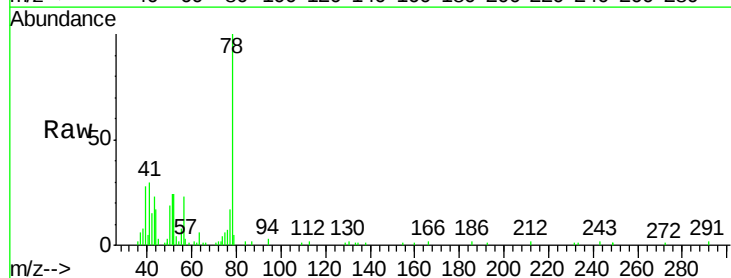
Manual Integrations  
APPROVED

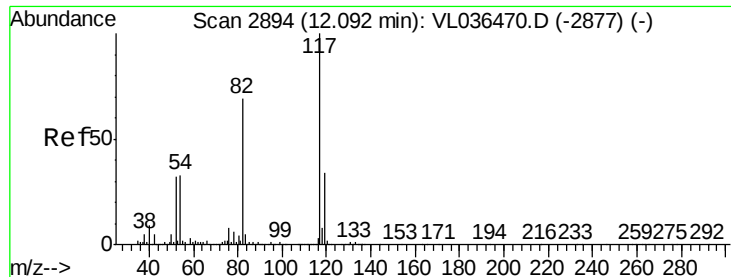
MMDadoda  
4/2/2021 6:52:30 PM



#36  
Benzene  
Concen: 0.114 ppbv m  
RT: 6.89 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

Tgt Ion: 78 Resp: 41316  
Ion Ratio Lower Upper  
78 100  
77 16.6 18.0 27.0#  
50 19.0 16.5 24.7





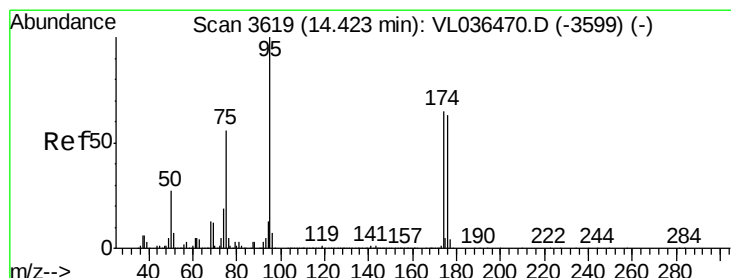
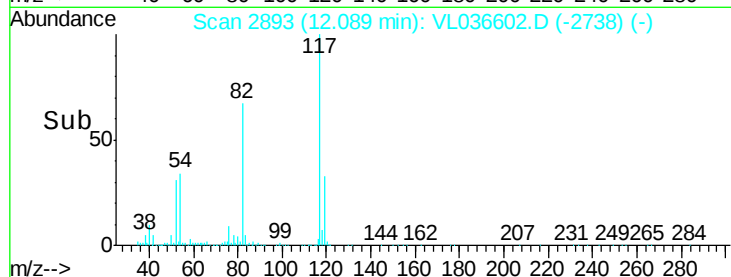
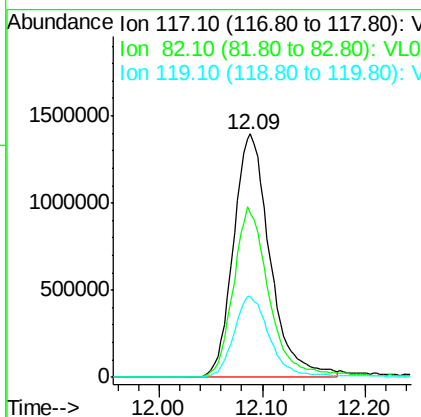
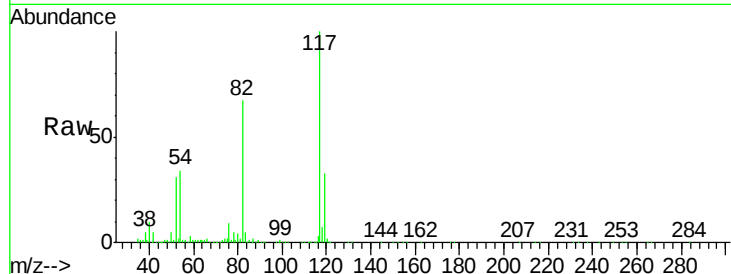
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min Scan# 2893  
Delta R.T. -0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSB-SS-1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 70.2  | 57.4  | 86.0  |
| 119     | 33.5  | 47.4  | 71.0# |

Manual Integrations  
APPROVED

MMDadoda  
4/2/2021 6:52:30 PM



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.599 ppbv  
RT: 14.42 min Scan# 3618  
Delta R.T. -0.00 min  
Lab File: VL036602.D  
Acq: 31 Mar 2021 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 65.5  | 51.0  | 76.6  |
| 175     | 4.6   | 3.9   | 5.9   |

