

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\  
 Data File : VL034746.D  
 Acq On : 28 Feb 2020 21:06  
 Operator : SY/AP  
 Sample : L1661-06DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-6-CR-104DL

Manual Integrations  
 APPROVED

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Quant Time: Mar 02 12:15:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Feb 28 2020  
 QLast Update : Fri Feb 28 01:15:02 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1026912  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2129783  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 2134569  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 1775871  | 10.15    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.50% |

| Target Compounds      | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------|------|------|----------|--------|--------|--------|
| 13) Ethanol           | 3.58 | 45   | 242448   | 16.567 | ppbv   | 99     |
| 15) Acetone           | 3.83 | 43   | 245121   | 2.095  | ppbv   | 100    |
| 19) Isopropyl Alcohol | 3.95 | 45   | 448454   | 6.434  | ppbv # | 99     |
| 38) Trichloroethene   | 7.84 | 130  | 32922m   | 0.464  | ppbv   |        |
| 53) Toluene           | 9.83 | 91   | 58282    | 0.298  | ppbv   | 98     |

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

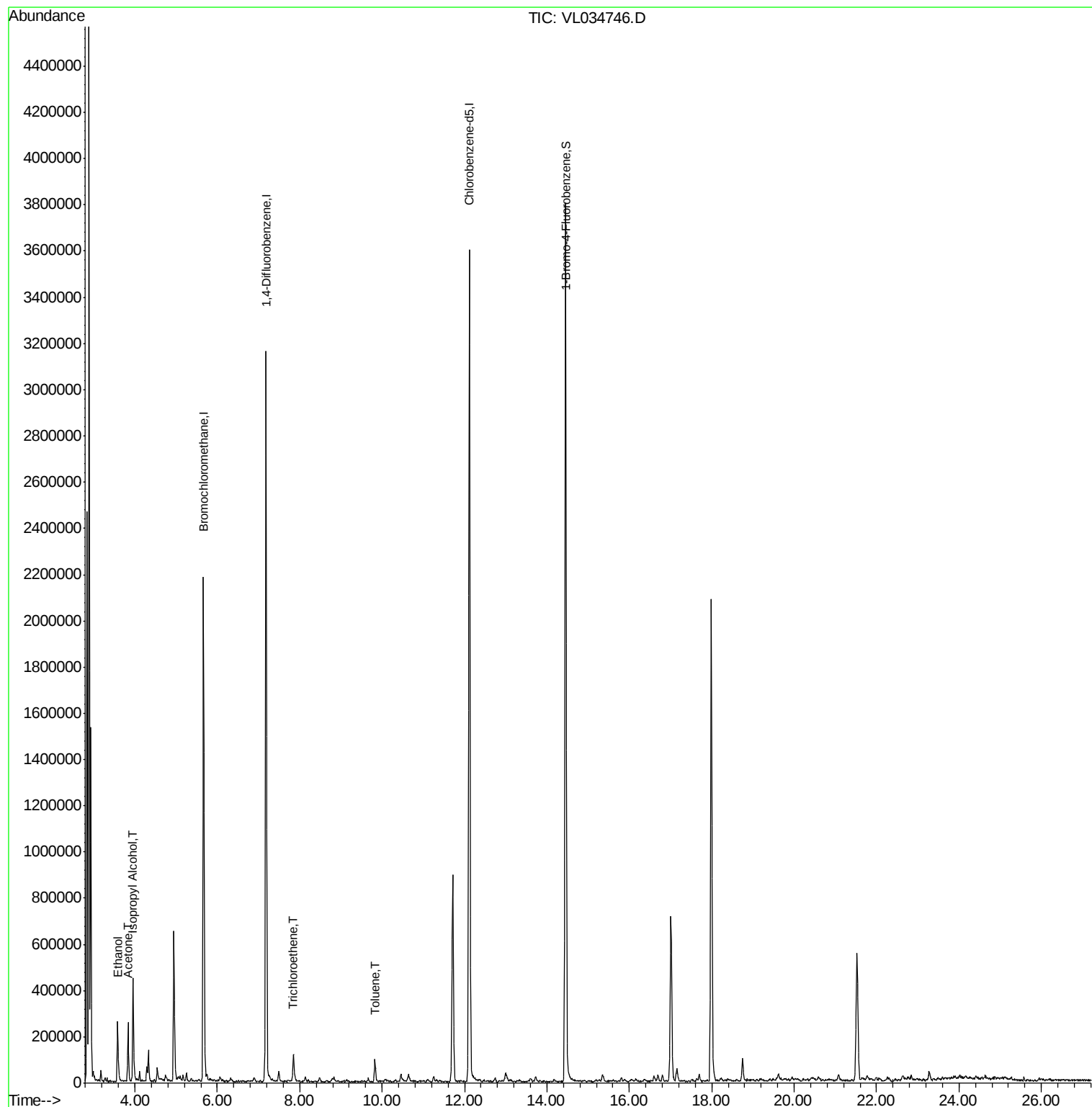
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022820\  
Data File : VL034746.D  
Acq On : 28 Feb 2020 21:06  
Operator : SY/AP  
Sample : L1661-06DL 10X  
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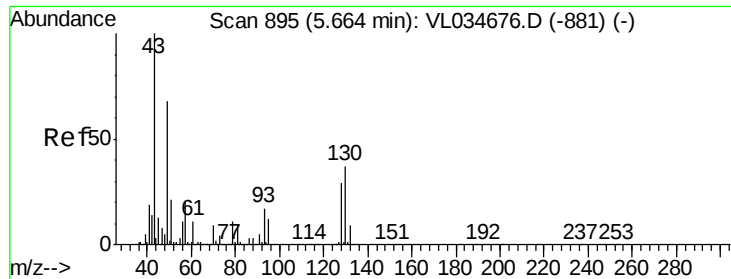
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-6-CR-104DL

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Quant Time: Mar 02 12:15:48 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Feb  
QLast Update : Fri Feb 28 01:15:02 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034746.D

Acq: 28 Feb 2020 21:06

Instrument :

MSVOA\_L

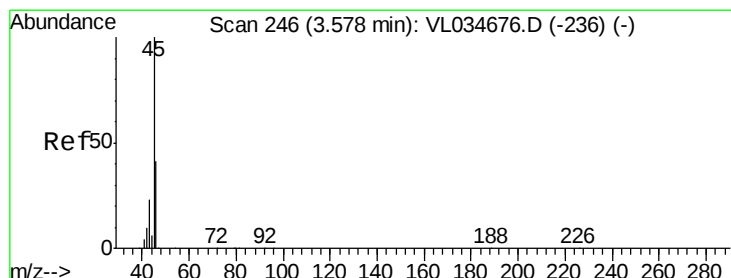
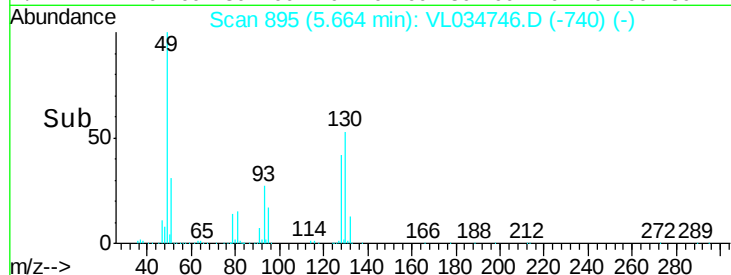
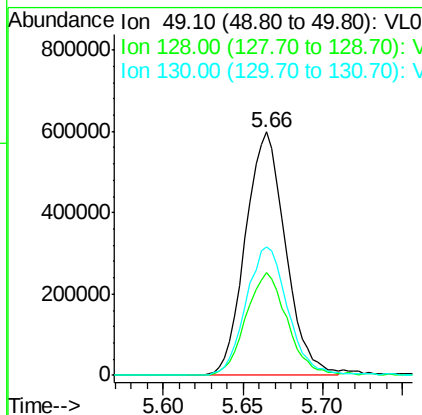
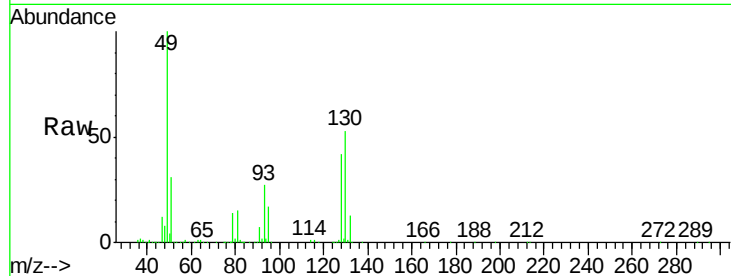
ClientSampleId :

SG-6-CR-104DL

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 49    | Resp: | 1026912 |
| Ion      | Ratio | Lower | Upper   |
| 49       | 100   |       |         |
| 128      | 43.8  | 21.6  | 65.0    |
| 130      | 56.1  | 27.7  | 83.1    |

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#13

Ethanol

Concen: 16.567 ppbv

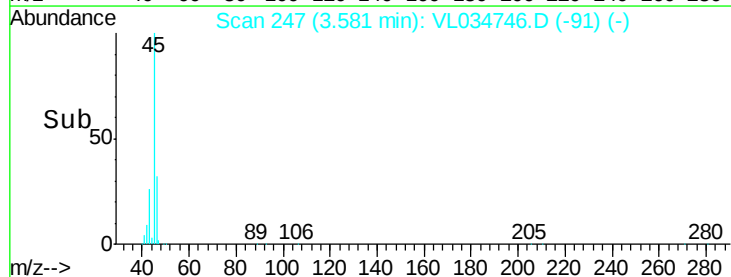
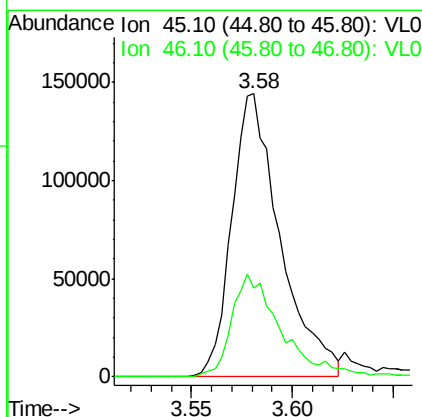
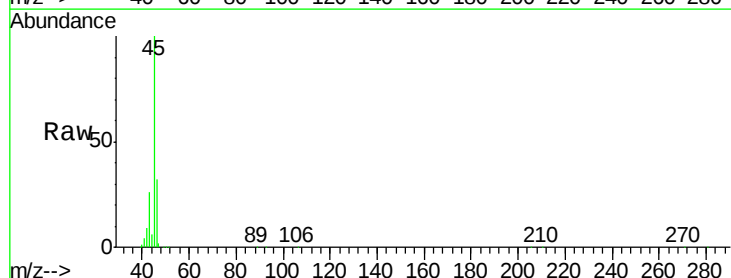
RT: 3.58 min Scan# 247

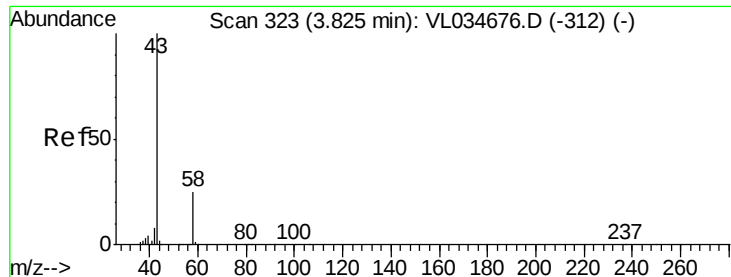
Delta R.T. 0.00 min

Lab File: VL034746.D

Acq: 28 Feb 2020 21:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 242448 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 46       | 37.7  | 15.4  | 61.4   |





#15

Acetone

Concen: 2.095 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034746.D

Acq: 28 Feb 2020 21:06

Instrument :

MSVOA\_L

ClientSampleId :

SG-6-CR-104DL

Tot Ion: 43 Resp: 245121

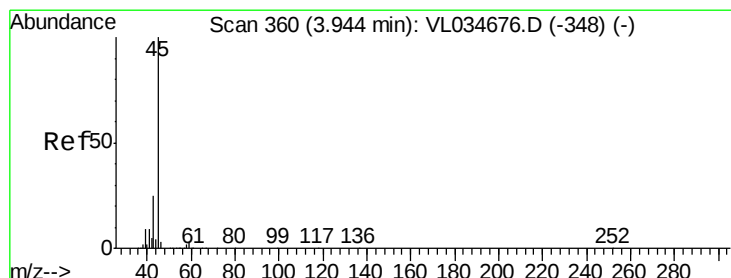
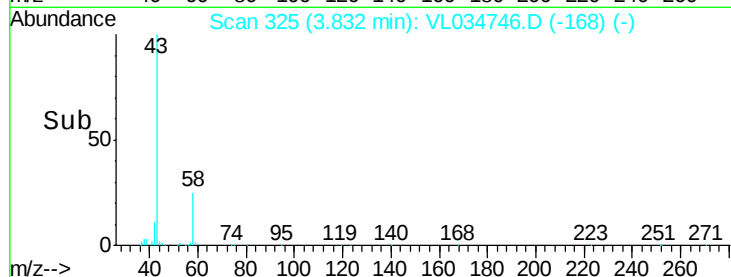
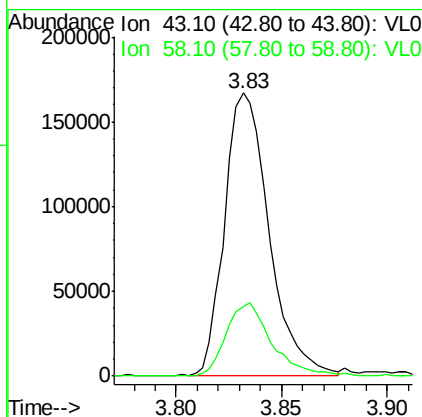
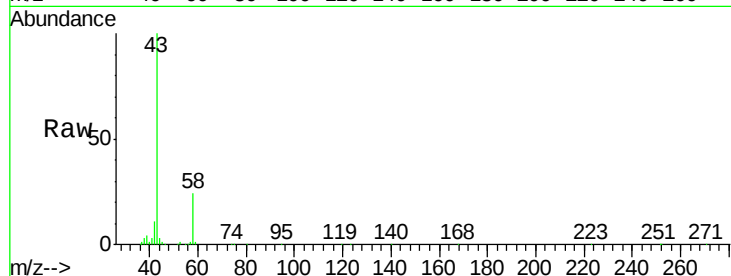
Ion Ratio Lower Upper

43 100

58 26.7 21.4 32.0

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#19

Isopropyl Alcohol

Concen: 6.434 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL034746.D

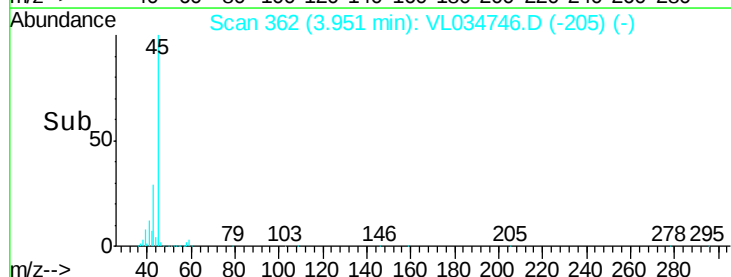
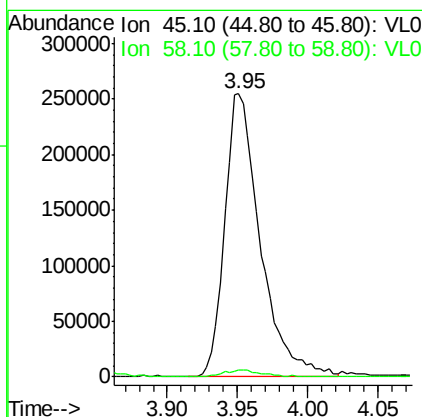
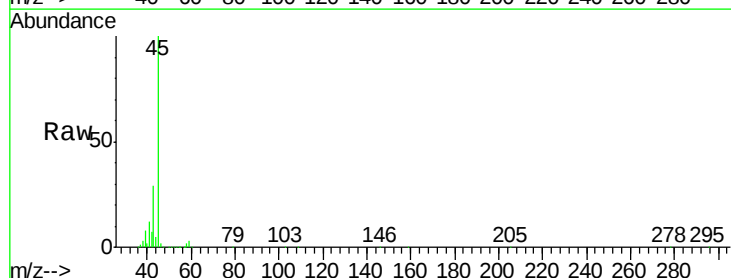
Acq: 28 Feb 2020 21:06

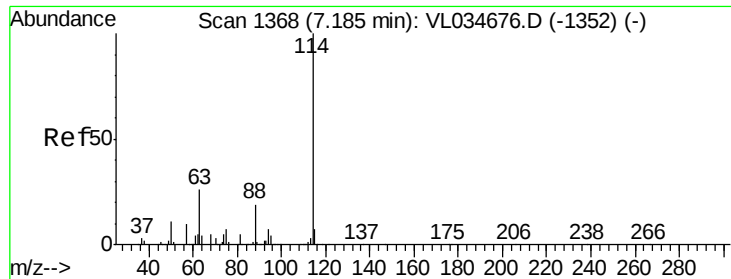
Tgt Ion: 45 Resp: 448454

Ion Ratio Lower Upper

45 100

58 2.7 1.8 2.6#





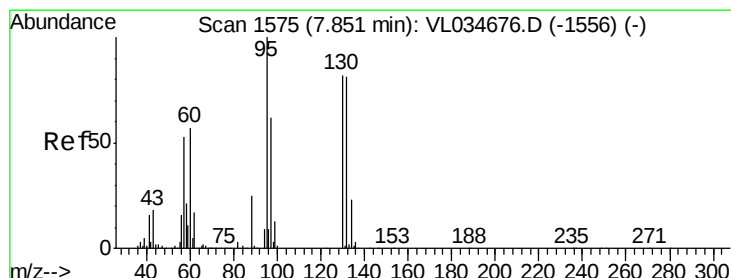
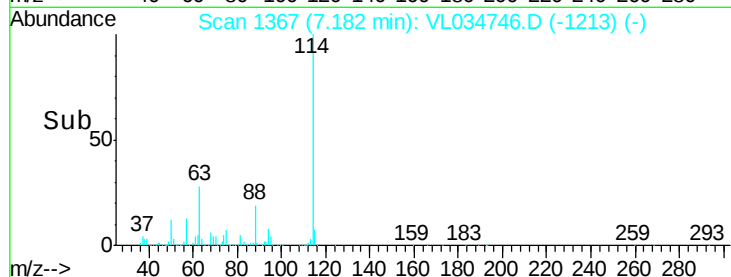
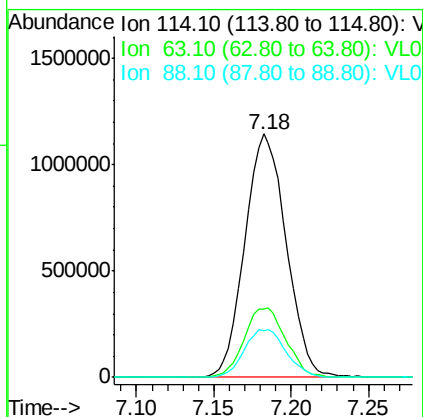
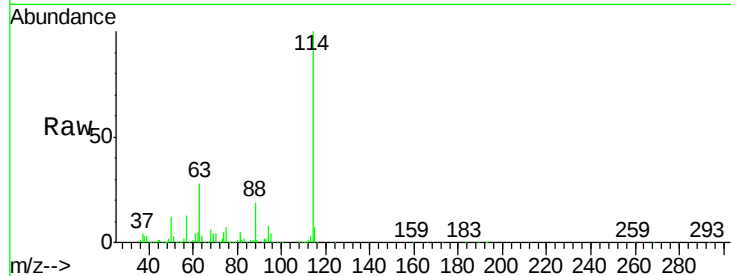
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min Scan# 1367  
 Delta R.T. -0.00 min  
 Lab File: VL034746.D  
 Acq: 28 Feb 2020 21:06

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-6-CR-104DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 28.8  | 22.9  | 34.3  |
| 88      | 20.0  | 15.8  | 23.6  |

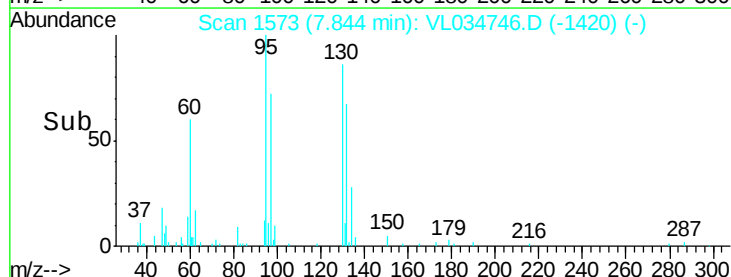
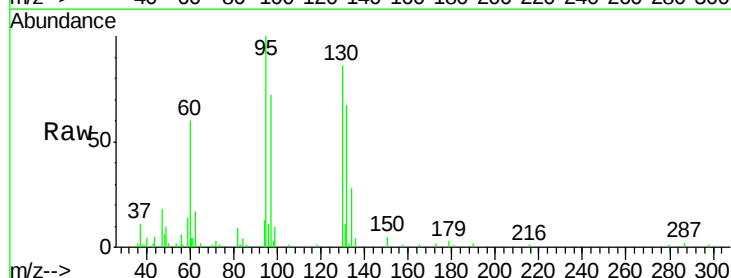
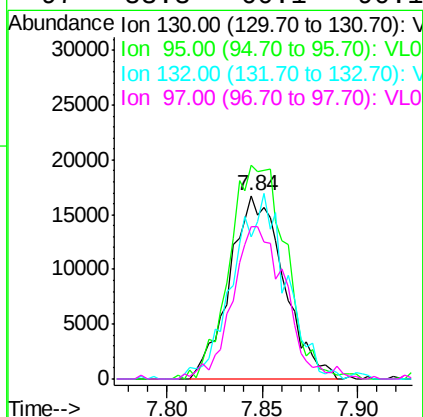
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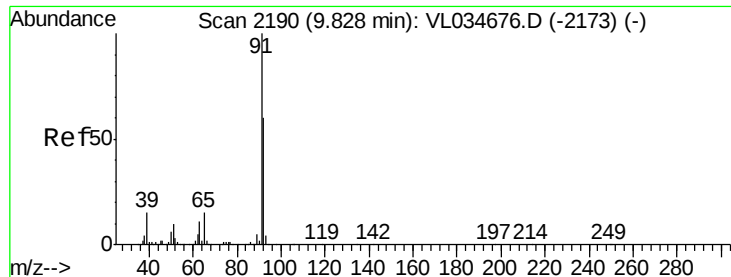
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#38  
 Trichloroethene  
 Concen: 0.464 ppbv m  
 RT: 7.84 min Scan# 1573  
 Delta R.T. -0.01 min  
 Lab File: VL034746.D  
 Acq: 28 Feb 2020 21:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 130     | 100   |       |        |
| 95      | 116.4 | 97.1  | 145.7  |
| 132     | 77.8  | 78.3  | 117.5# |
| 97      | 83.3  | 60.1  | 90.1   |





#53

Toluene

Concen: 0.298 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034746.D

Acq: 28 Feb 2020 21:06

Instrument :

MSVOA\_L

ClientSampleId :

SG-6-CR-104DL

Tot Ion: 91 Resp: 58282

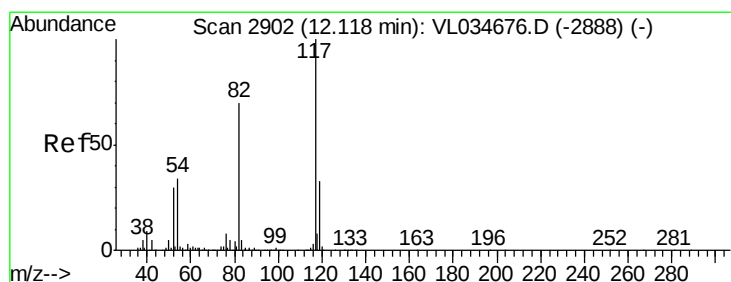
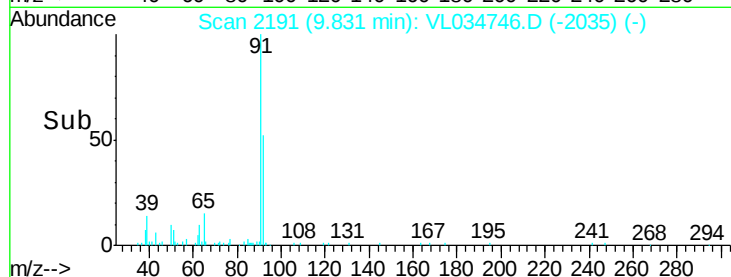
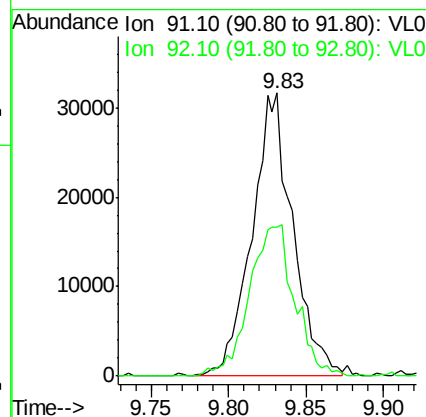
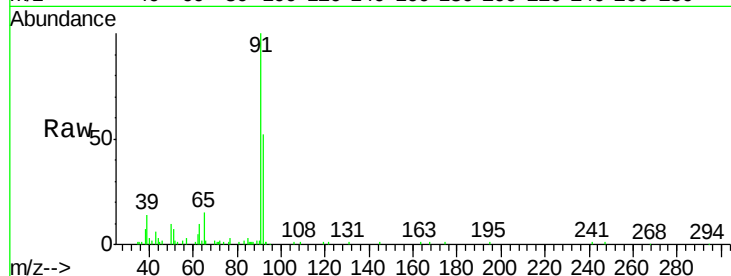
Ion Ratio Lower Upper

91 100

92 59.0 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034746.D

Acq: 28 Feb 2020 21:06

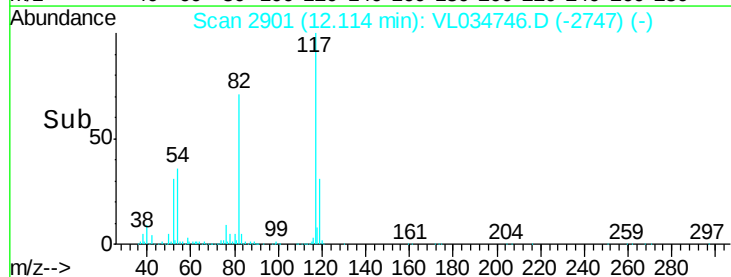
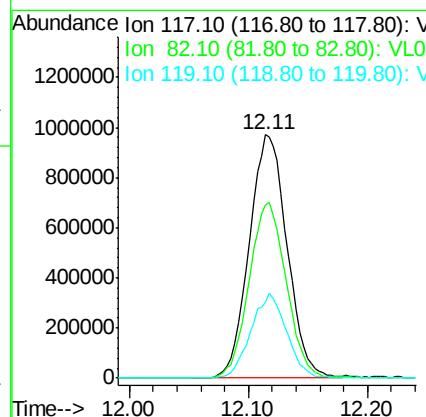
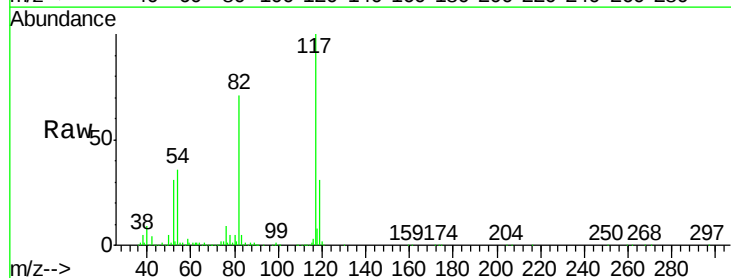
Tgt Ion: 117 Resp: 2134569

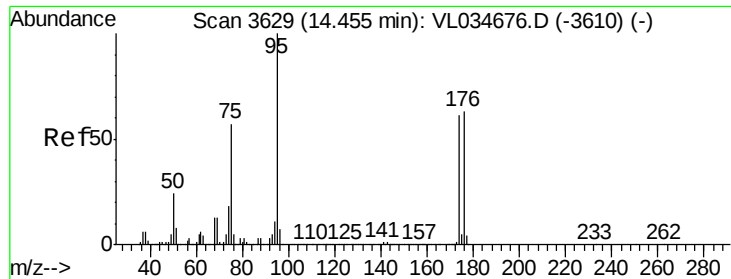
Ion Ratio Lower Upper

117 100

82 71.4 54.1 81.1

119 33.2 27.6 41.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.146 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034746.D

Acq: 28 Feb 2020 21:06

Instrument :

MSVOA\_L

ClientSampleId :

SG-6-CR-104DL

Tot Ion: 95 Resp: 1775871

Ion Ratio Lower Upper

95 100

174 63.2 50.7 76.1

175 4.7 3.9 5.9

Manual Integrations

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