

Data File : VL035300.D  
Acq On : 31 Jul 2020 11:02  
Operator : SY/AP  
Sample : CAN 10596  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10596

Quant Time: Jul 31 15:21:22 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL072920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jul 29 07:14:29 2020  
QLast Update : Wed Jul 29 07:14:29 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 997941   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2464559  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2259616  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1861259  | 10.31    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

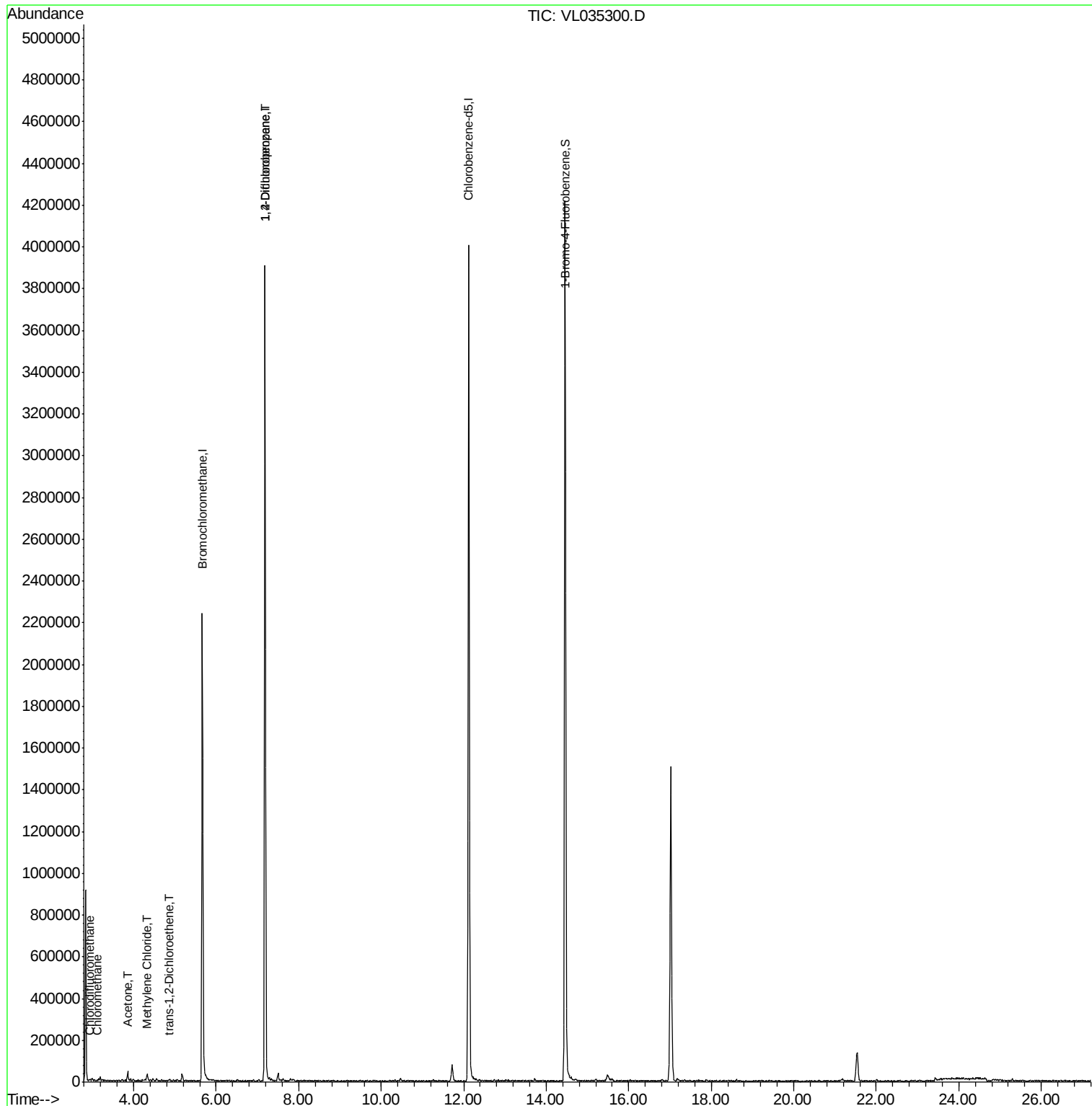
| Target Compounds             | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|------------------------------|------|------|----------|-------|--------|--------|
| 3) Chlorodifluoromethane     | 2.94 | 51   | 3576     | 0.032 | ppbv # | 78     |
| 4) Chloromethane             | 3.11 | 50   | 1911     | 0.031 | ppbv # | 42     |
| 15) Acetone                  | 3.85 | 43   | 29101    | 0.219 | ppbv # | 47     |
| 20) Methylene Chloride       | 4.33 | 84   | 4576     | 0.076 | ppbv # | 81     |
| 22) trans-1,2-Dichloroethene | 4.88 | 96   | 1577     | 0.033 | ppbv # | 22     |
| 39) 1,2-Dichloropropane      | 7.19 | 63   | 667415   | 9.766 | ppbv # | 24     |

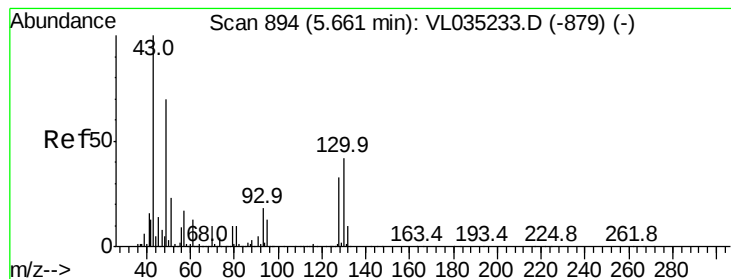
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL072920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 29 07:14:29 2020  
QLast Update : Wed Jul 29 07:14:29 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

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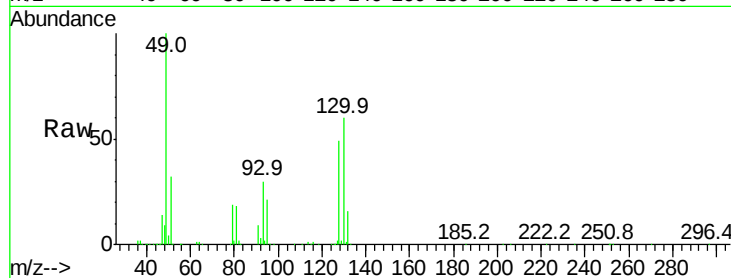
Tgt Ion: 49 Resp: 997941

Ion Ratio Lower Upper

49 100

128 50.4 24.0 72.0

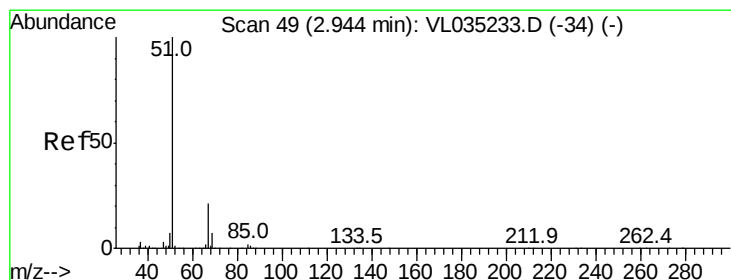
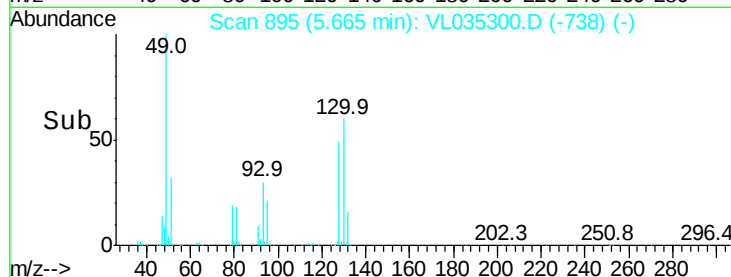
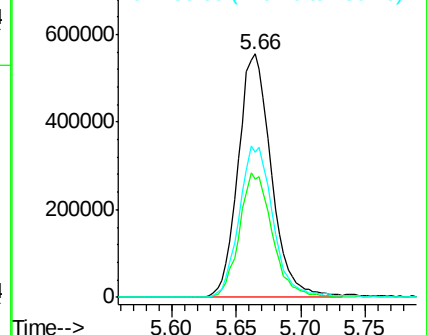
130 64.0 30.7 92.1



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



#3

Chlorodifluoromethane

Concen: 0.032 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035300.D

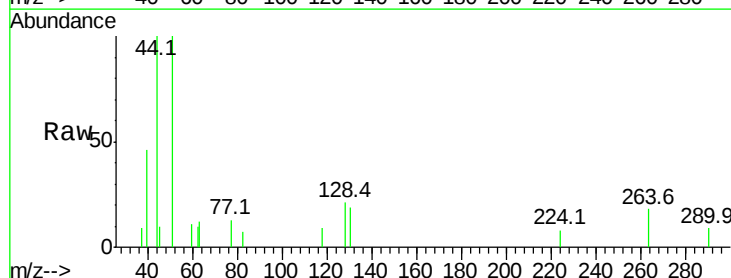
Acq: 31 Jul 2020 11:02

Tgt Ion: 51 Resp: 3576

Ion Ratio Lower Upper

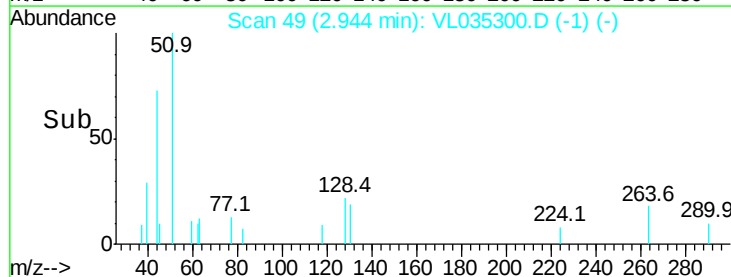
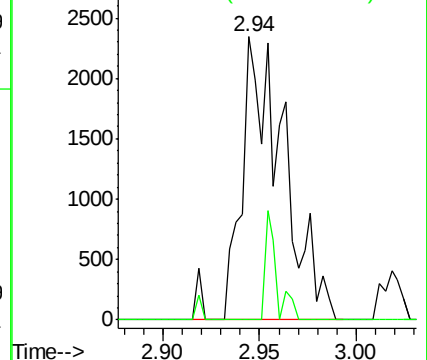
51 100

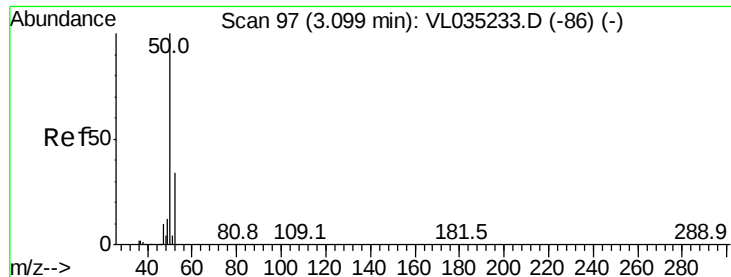
67 10.7 16.6 25.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL035300.D

Acq: 31 Jul 2020 11:02

Instrument :

MSVOA\_L

ClientSampleId :

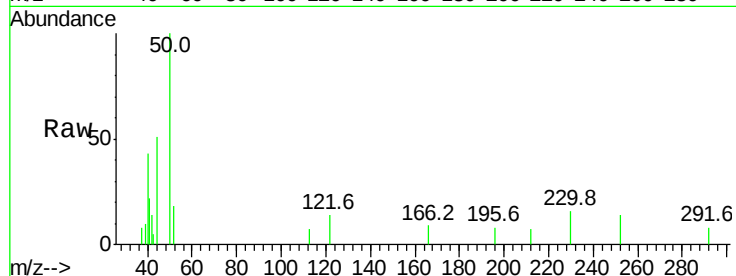
CAN 10596

Tgt Ion: 50 Resp: 1911

Ion Ratio Lower Upper

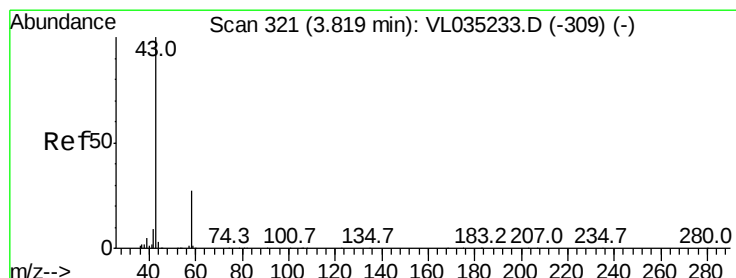
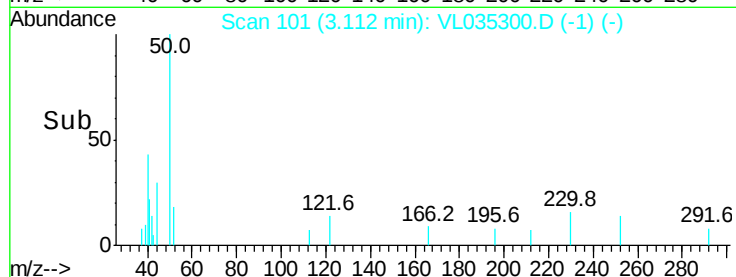
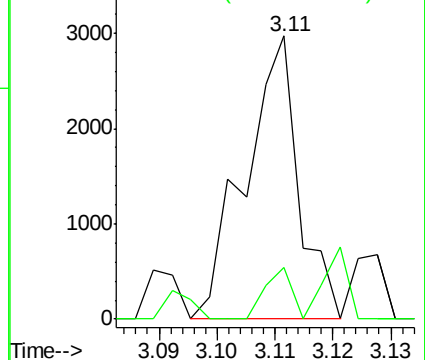
50 100

52 0.8 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#15

Acetone

Concen: 0.219 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.04 min

Lab File: VL035300.D

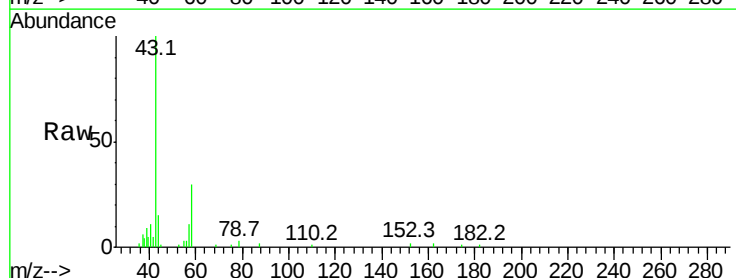
Acq: 31 Jul 2020 11:02

Tgt Ion: 43 Resp: 29101

Ion Ratio Lower Upper

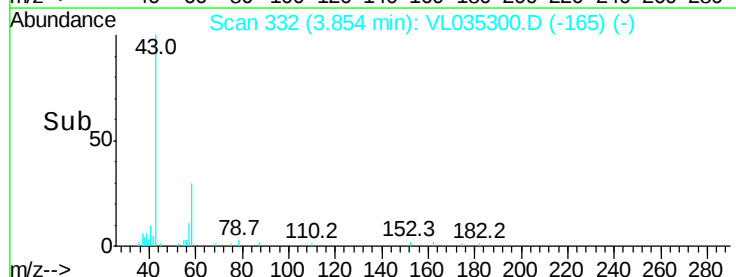
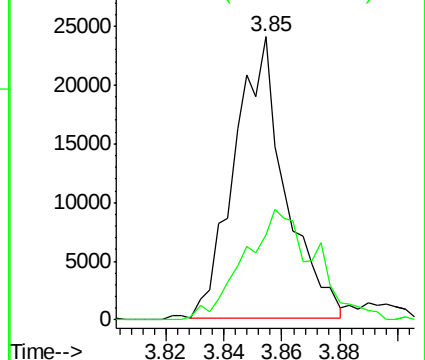
43 100

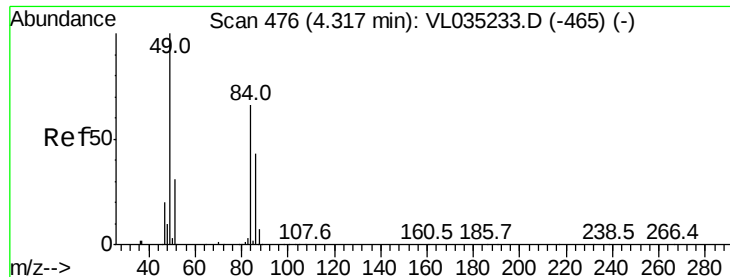
58 54.8 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

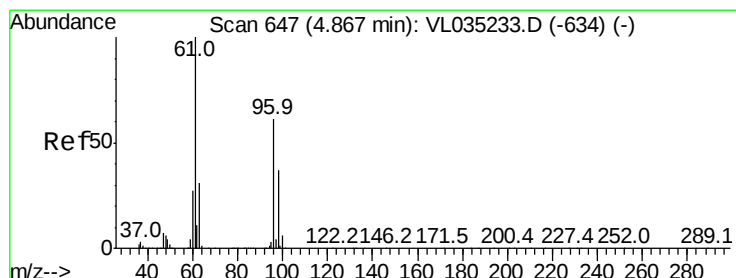
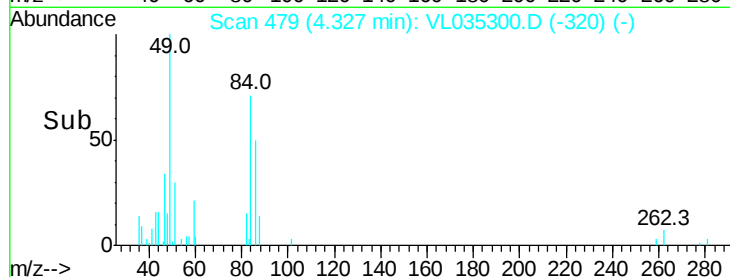
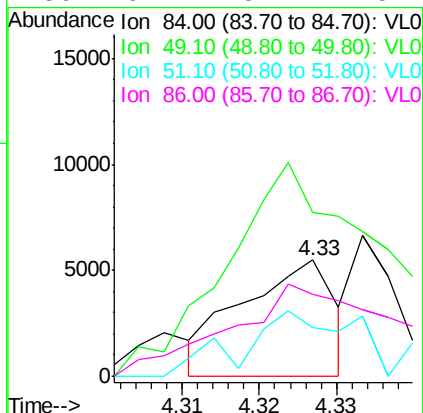
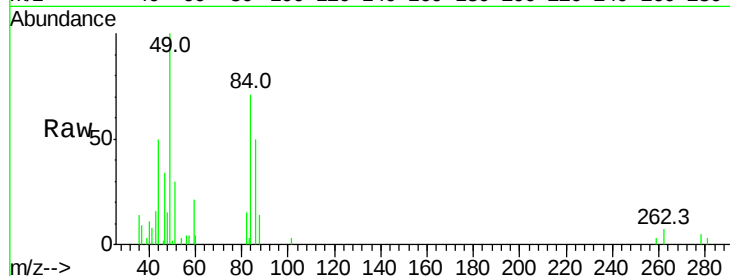




#20  
Methylene Chloride  
Concen: 0.076 ppbv  
RT: 4.33 min Scan# 479  
Delta R.T. 0.01 min  
Lab File: VL035300.D  
Acq: 31 Jul 2020 11:02

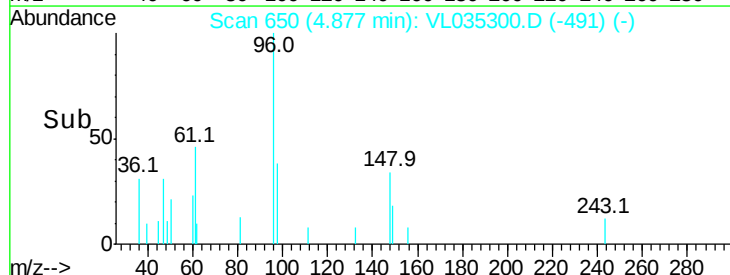
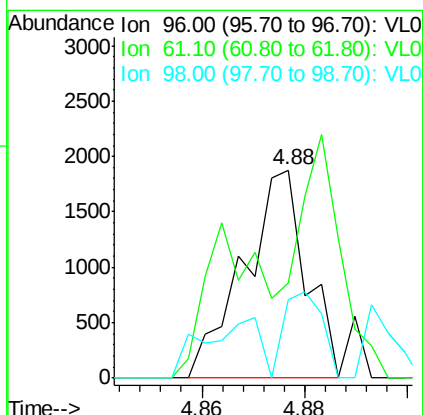
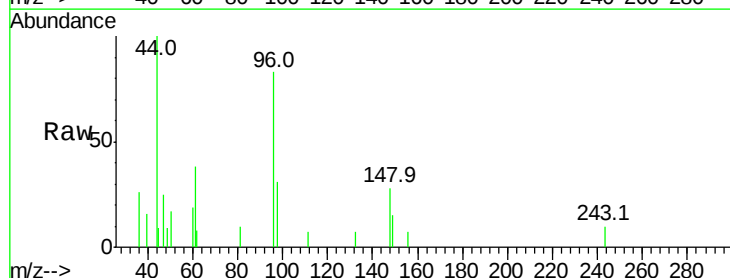
Instrument :  
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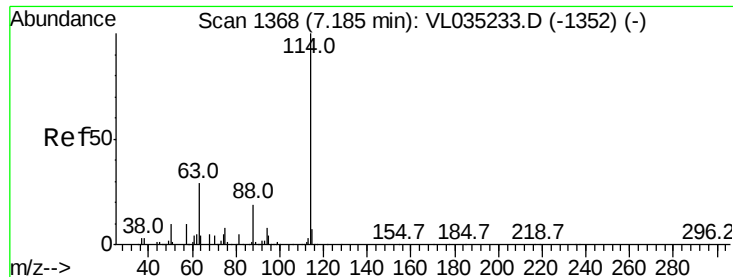
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 4576   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 117.1 | 121.0 | 181.4# |
| 51       | 38.2  | 37.7  | 56.5   |
| 86       | 62.2  | 52.2  | 78.4   |



#22  
trans-1,2-Dichloroethene  
Concen: 0.033 ppbv  
RT: 4.88 min Scan# 650  
Delta R.T. 0.01 min  
Lab File: VL035300.D  
Acq: 31 Jul 2020 11:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 1577   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 36.4  | 131.6 | 197.4# |
| 98       | 37.9  | 49.0  | 73.4#  |

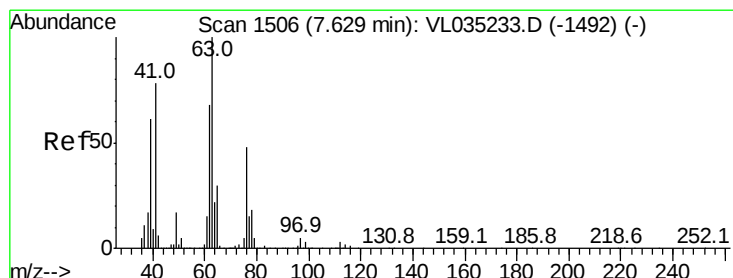
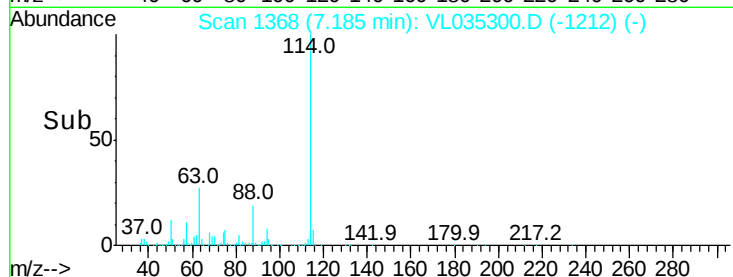
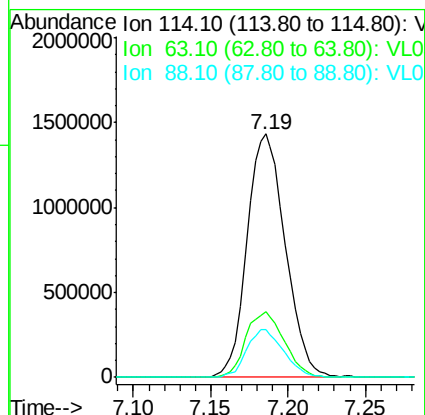
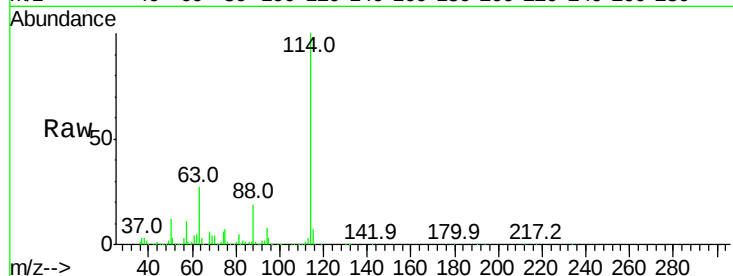




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: VL035300.D  
 Acq: 31 Jul 2020 11:02

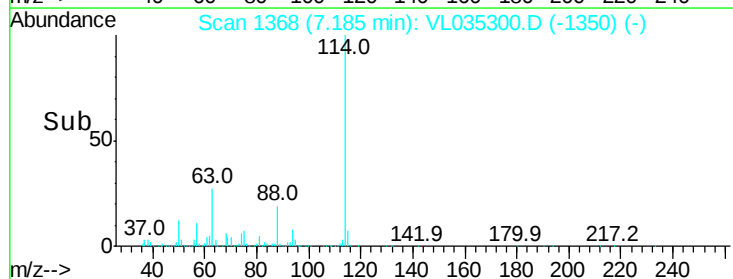
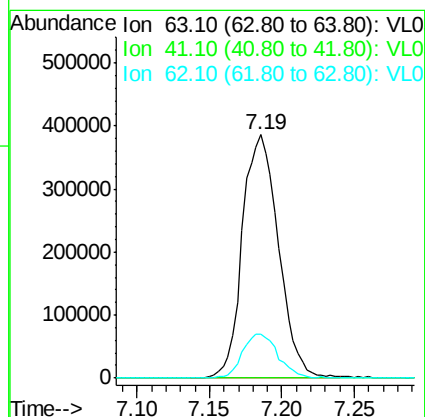
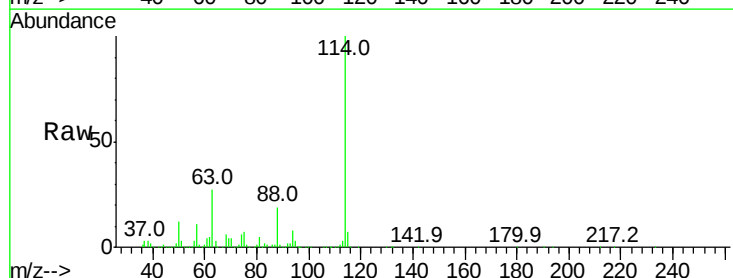
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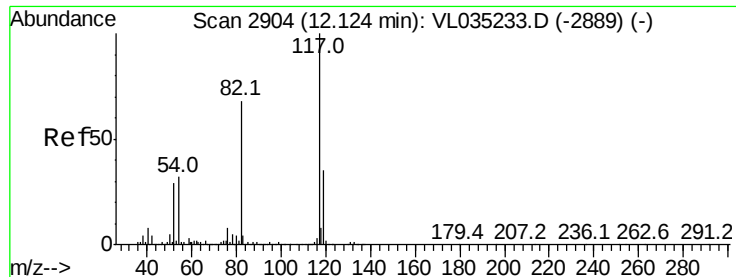
Tgt Ion: 114 Resp: 2464559  
 Ion Ratio Lower Upper  
 114 100  
 63 27.2 22.2 33.2  
 88 19.2 15.4 23.0



#39  
 1,2-Dichloropropane  
 Concen: 9.766 ppbv  
 RT: 7.19 min Scan# 1368  
 Delta R.T. -0.44 min  
 Lab File: VL035300.D  
 Acq: 31 Jul 2020 11:02

Tgt Ion: 63 Resp: 667415  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 62.2 93.4#  
 62 18.2 54.2 81.2#

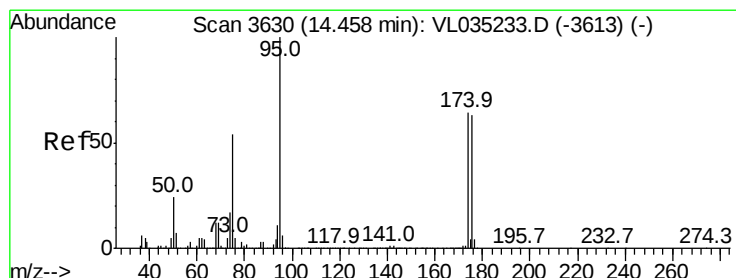
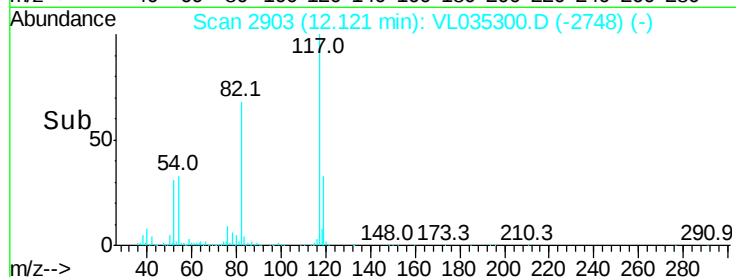
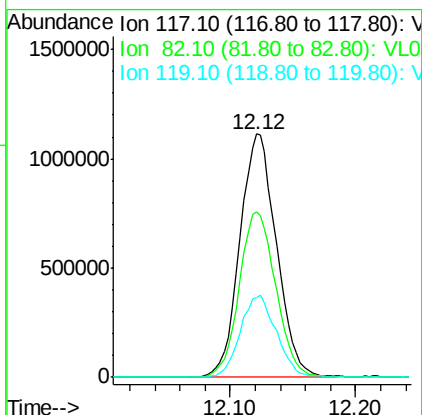
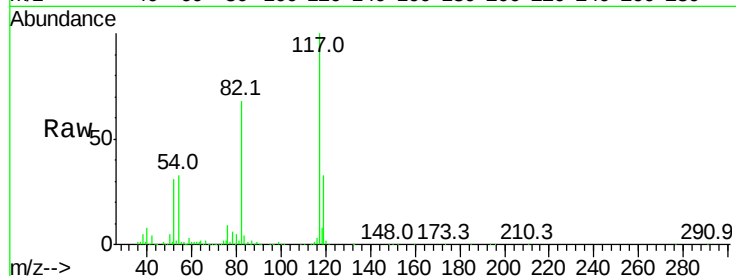




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.12 min Scan# 2903  
Delta R.T. -0.00 min  
Lab File: VL035300.D  
Acq: 31 Jul 2020 11:02

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10596

Tgt Ion: 117 Resp: 2259616  
Ion Ratio Lower Upper  
117 100  
82 68.6 52.4 78.6  
119 33.2 24.6 36.8



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.308 ppbv  
RT: 14.46 min Scan# 3630  
Delta R.T. 0.00 min  
Lab File: VL035300.D  
Acq: 31 Jul 2020 11:02

Tgt Ion: 95 Resp: 1861259  
Ion Ratio Lower Upper  
95 100  
174 64.7 52.7 79.1  
175 4.5 3.9 5.9

