

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\  
 Data File : VL035079.D  
 Acq On : 22 May 2020 11:23  
 Operator : SY/AP  
 Sample : VL0522ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: May 22 23:12:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 06 14:49:39 2020  
 QLast Update : Wed May 06 14:49:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 996207   | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2324402  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2242587  | 10.00 | ppbv  | -0.03    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 1889914  | 10.41    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.10% |

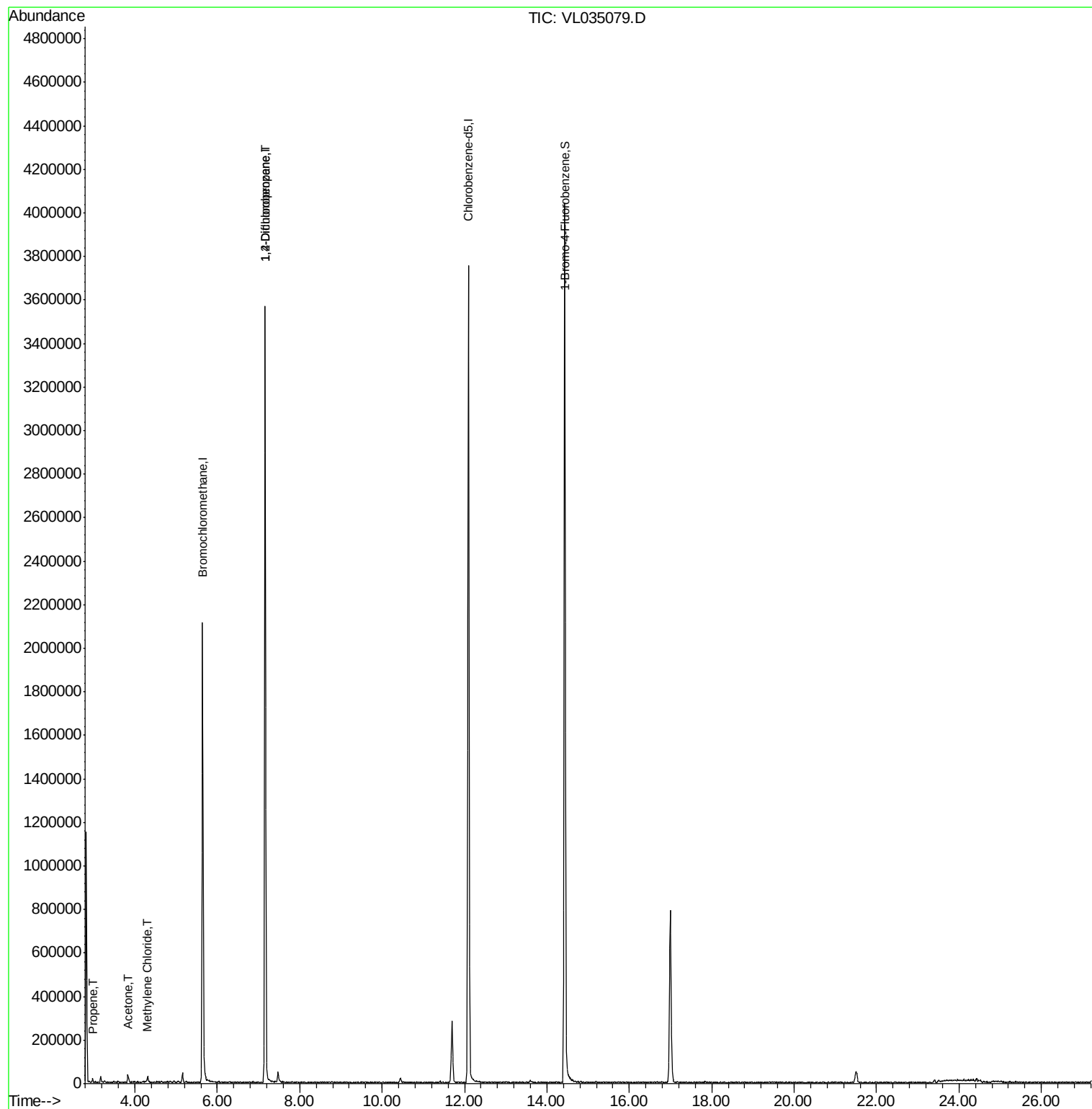
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 2.97 | 41   | 3101     | 0.063 | ppbv   | 90     |
| 15) Acetone             | 3.83 | 43   | 34308    | 0.260 | ppbv # | 65     |
| 20) Methylene Chloride  | 4.31 | 84   | 5863     | 0.134 | ppbv # | 88     |
| 39) 1,2-Dichloropropane | 7.16 | 63   | 643589   | 8.378 | ppbv # | 24     |

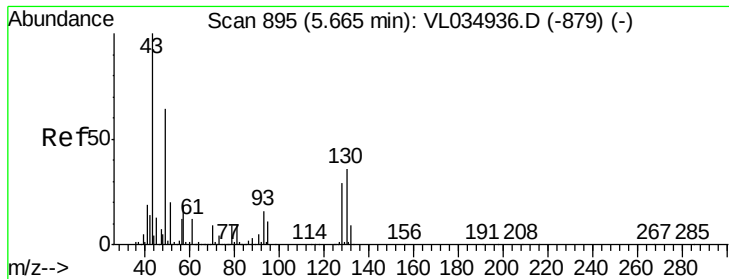
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052220\  
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MSVOA\_L  
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Quant Time: May 22 23:12:40 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
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QLast Update : Wed May 06 14:49:39 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

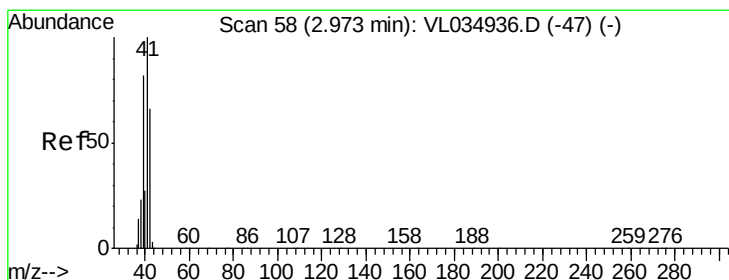
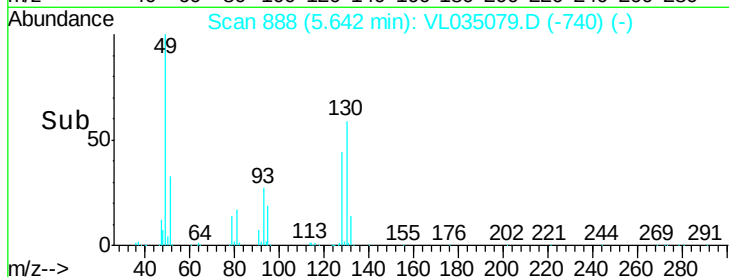
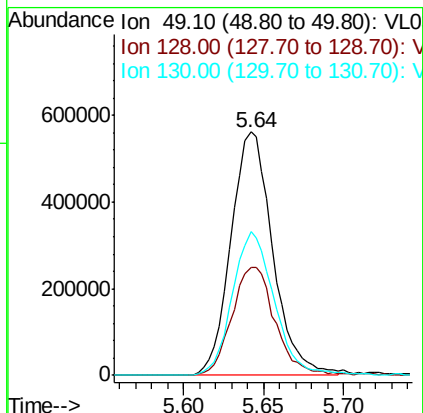
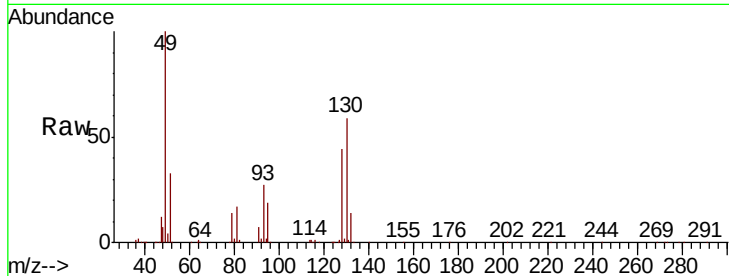
Delta R.T. -0.02 min

Lab File: VL035079.D

Acq: 22 May 2020 11:23

Instrument :  
MSVOA\_L  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 49    | Resp: | 996207 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 128      | 47.1  | 22.1  | 66.5   |
| 130      | 59.9  | 29.1  | 87.3   |



#9

Propene

Concen: 0.063 ppbv

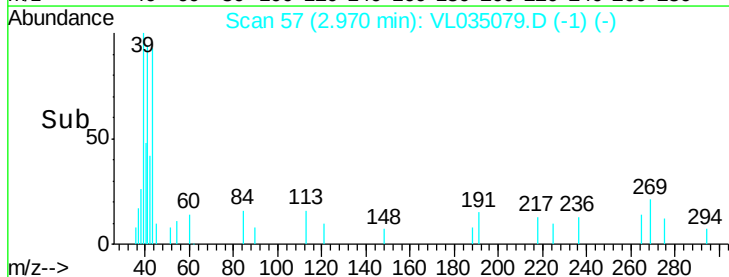
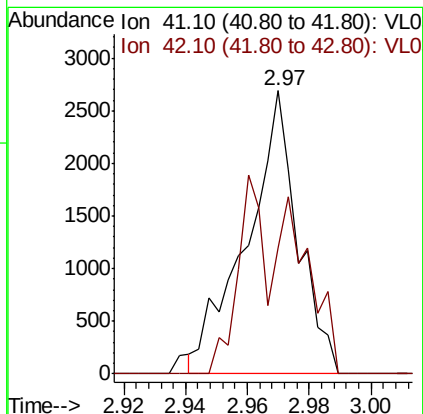
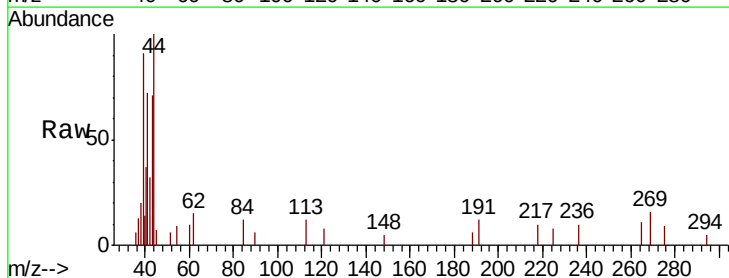
RT: 2.97 min Scan# 57

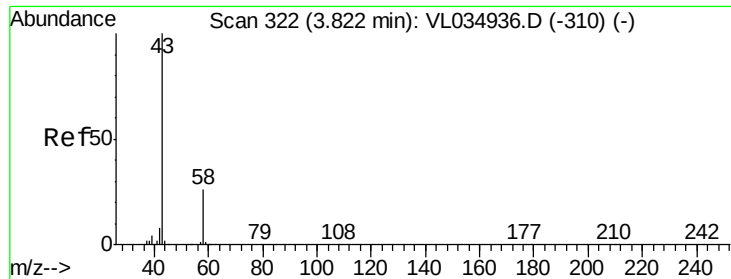
Delta R.T. -0.00 min

Lab File: VL035079.D

Acq: 22 May 2020 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 3101  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 42       | 75.9  | 54.5  | 81.7  |





#15

Acetone

Concen: 0.260 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL035079.D

Acq: 22 May 2020 11:23

Instrument :

MSVOA\_L

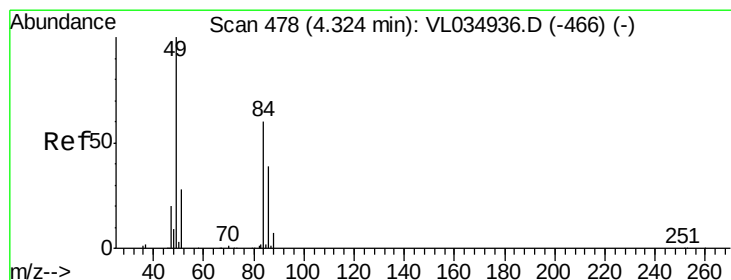
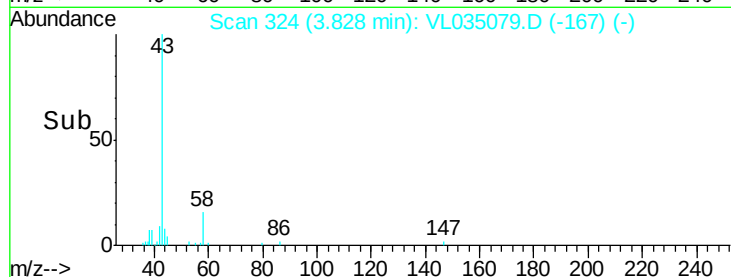
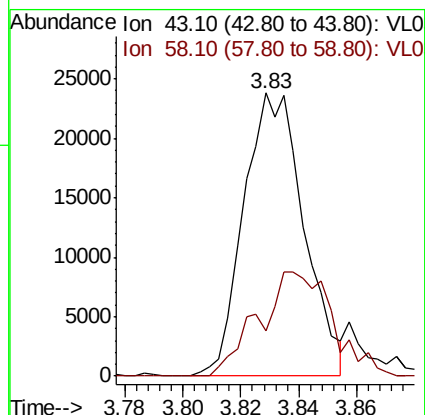
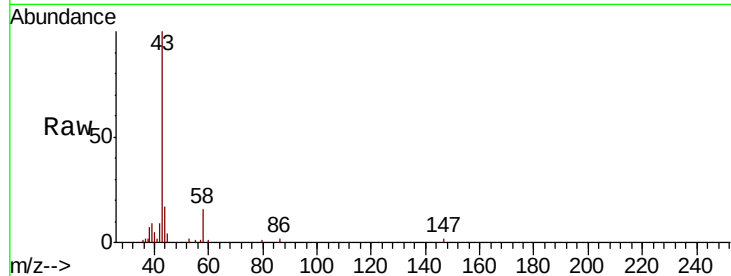
ClientSampleId :

Tot Ion: 43 Resp: 34308

Ion Ratio Lower Upper

43 100

58 45.3 21.7 32.5#



#20

Methylene Chloride

Concen: 0.134 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL035079.D

Acq: 22 May 2020 11:23

Tgt Ion: 84 Resp: 5863

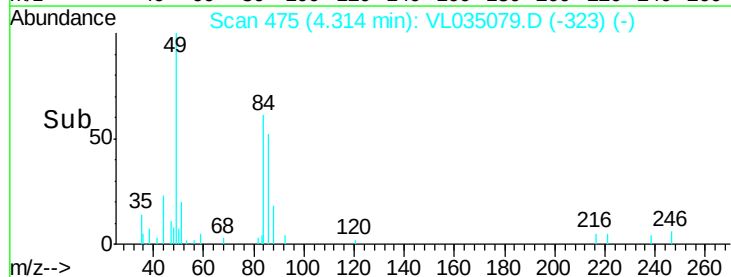
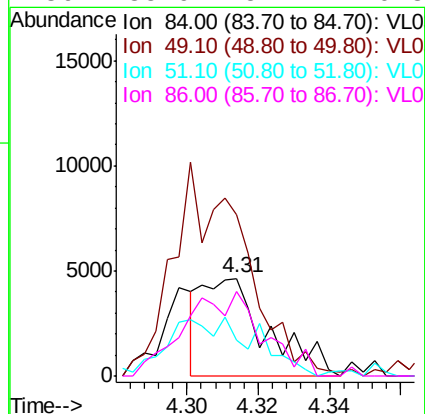
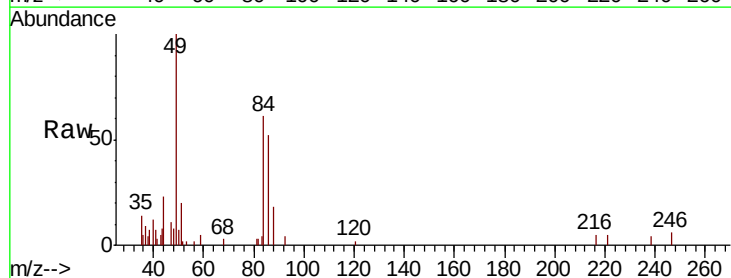
Ion Ratio Lower Upper

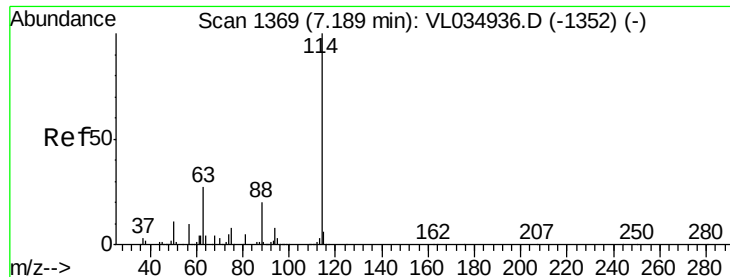
84 100

49 161.0 132.5 198.7

51 32.5 38.4 57.6#

86 85.9 51.2 76.8#

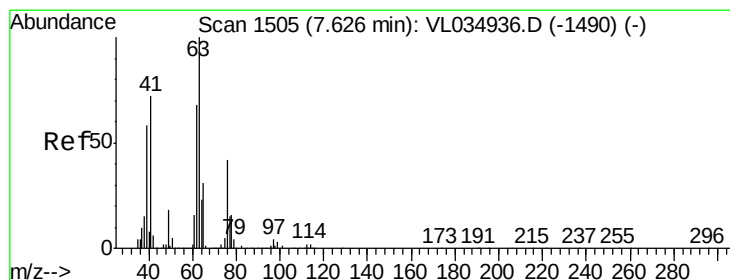
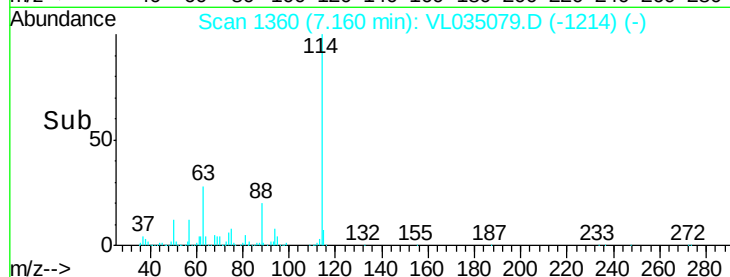
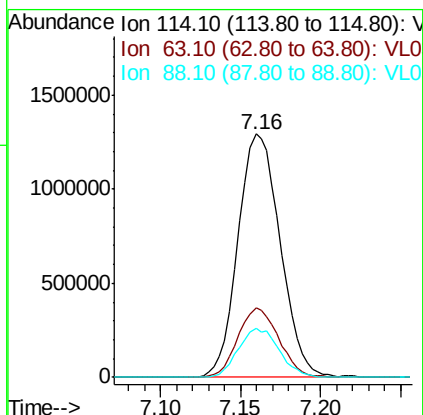
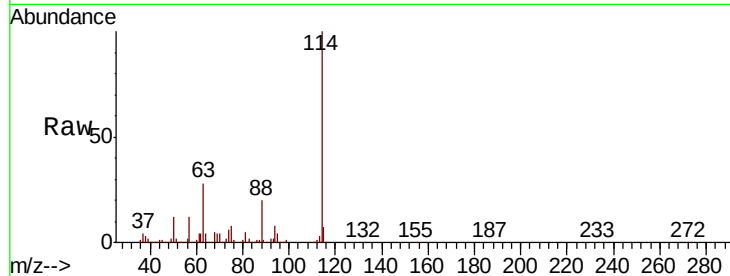




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.16 min Scan# 1360  
 Delta R.T. -0.03 min  
 Lab File: VL035079.D  
 Acq: 22 May 2020 11:23

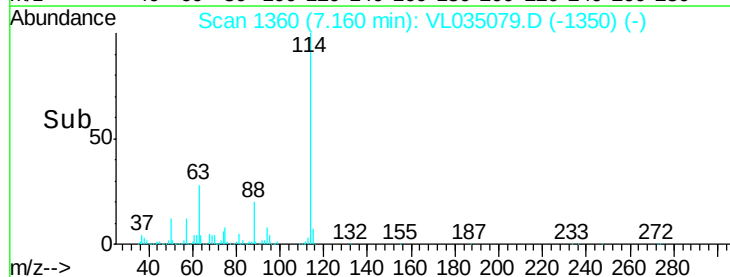
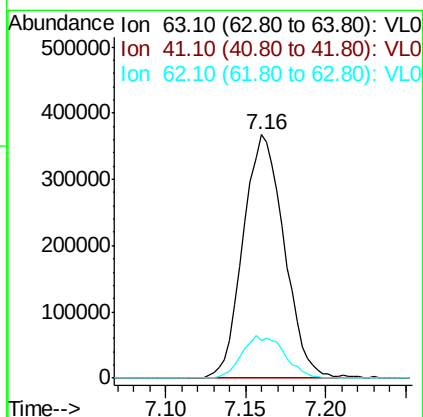
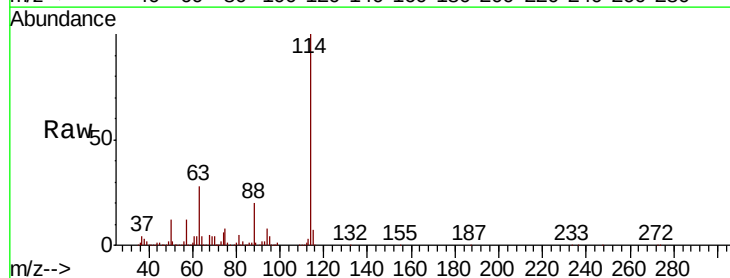
Instrument :  
 MSVOA\_L  
 ClientSampleId :

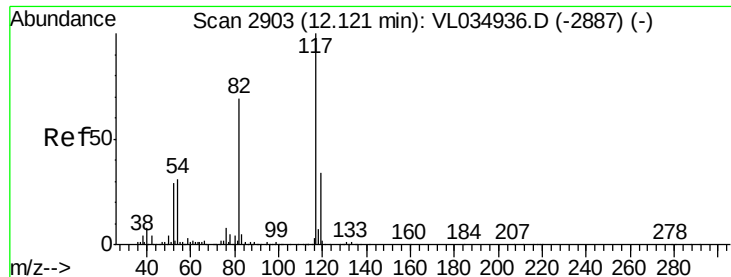
Tot Ion:114 Resp: 2324402  
 Ion Ratio Lower Upper  
 114 100  
 63 27.9 22.2 33.4  
 88 19.5 15.5 23.3



#39  
 1,2-Dichloropropane  
 Concen: 8.378 ppbv  
 RT: 7.16 min Scan# 1360  
 Delta R.T. -0.47 min  
 Lab File: VL035079.D  
 Acq: 22 May 2020 11:23

Tgt Ion: 63 Resp: 643589  
 Ion Ratio Lower Upper  
 63 100  
 41 0.1 57.8 86.8#  
 62 15.6 54.2 81.2#

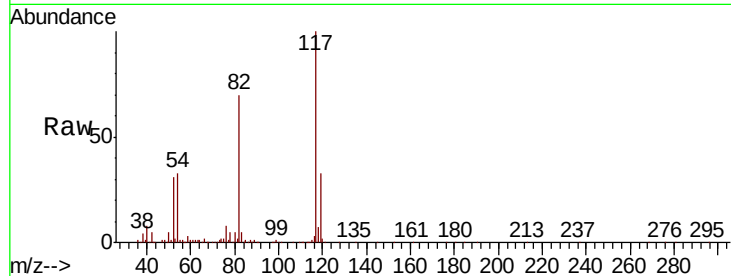




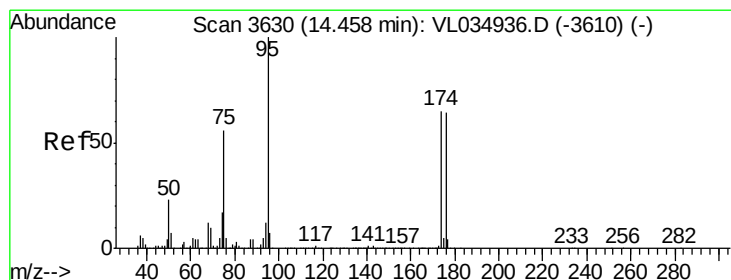
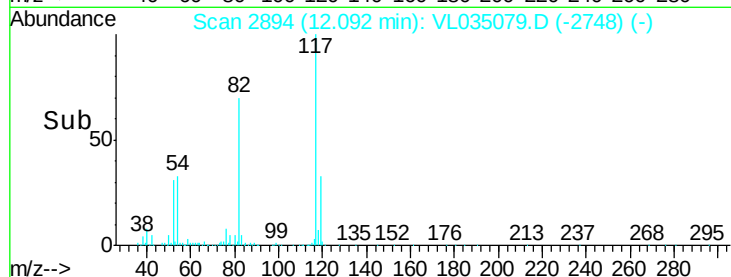
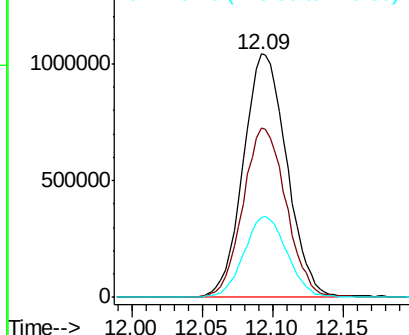
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min Scan# 2894  
Delta R.T. -0.03 min  
Lab File: VL035079.D  
Acq: 22 May 2020 11:23

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion:117 Resp: 2242587  
Ion Ratio Lower Upper  
117 100  
82 69.9 53.1 79.7  
119 33.2 26.7 40.1

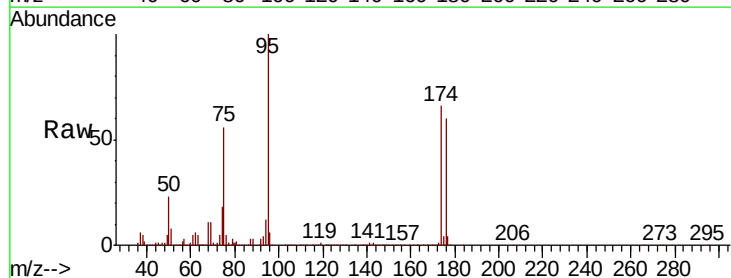


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.411 ppbv  
RT: 14.43 min Scan# 3622  
Delta R.T. -0.03 min  
Lab File: VL035079.D  
Acq: 22 May 2020 11:23

Tgt Ion: 95 Resp: 1889914  
Ion Ratio Lower Upper  
95 100  
174 64.5 51.5 77.3  
175 4.7 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

