

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\  
 Data File : VL034554.D  
 Acq On : 2 Jan 2020 19:58  
 Operator : SY/AP  
 Sample : K6473-04DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 50-2DL

Manual Integrations  
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Quant Time: Jan 03 05:56:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec 3  
 QLast Update : Mon Dec 30 14:58:50 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 886895   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 1747061  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.13 | 117  | 1741452  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1492801  | 10.27    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.70% |

| Target Compounds | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------|------|------|----------|-------|-------|--------|
| 9) Propene       | 2.99 | 41   | 7326     | 0.180 | ppbv  | # 78   |
| 13) Ethanol      | 3.60 | 45   | 11639m   | 1.030 | ppbv  |        |
| 15) Acetone      | 3.85 | 43   | 64389    | 0.497 | ppbv  | 94     |

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

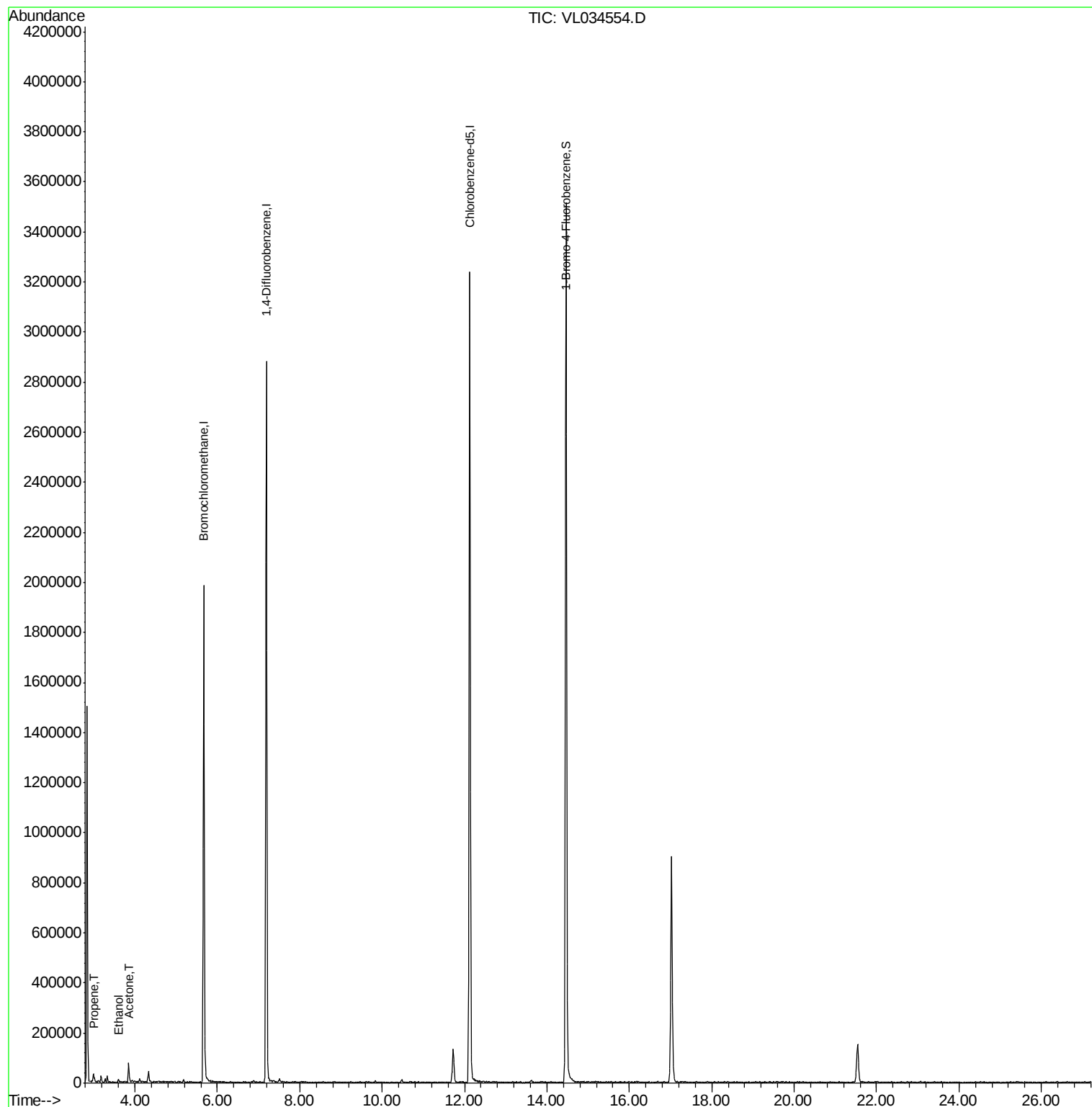
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010220\  
Data File : VL034554.D  
Acq On : 2 Jan 2020 19:58  
Operator : SY/AP  
Sample : K6473-04DL 10X  
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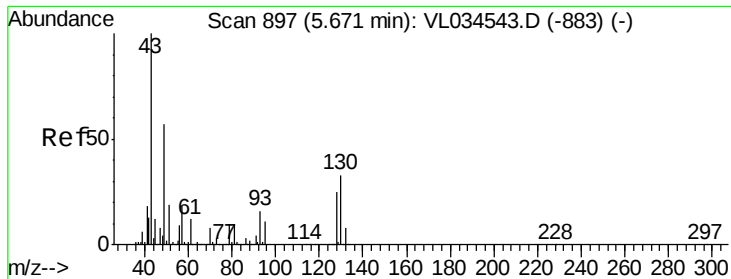
Instrument :  
MSVOA\_L  
ClientSampleId :  
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Quant Time: Jan 03 05:56:29 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec  
QLast Update : Mon Dec 30 14:58:50 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

Instrument :

MSVOA\_L

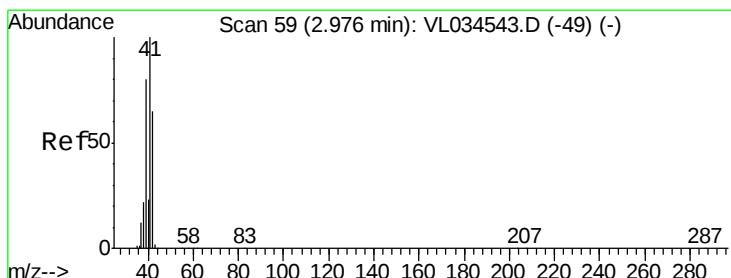
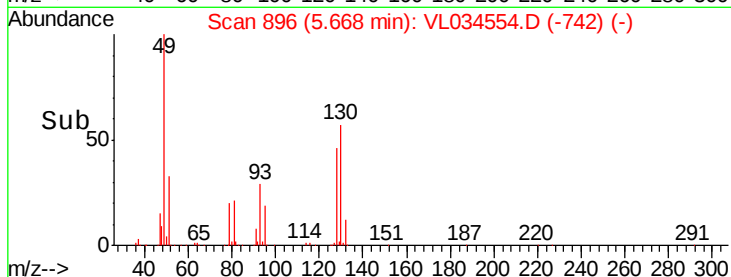
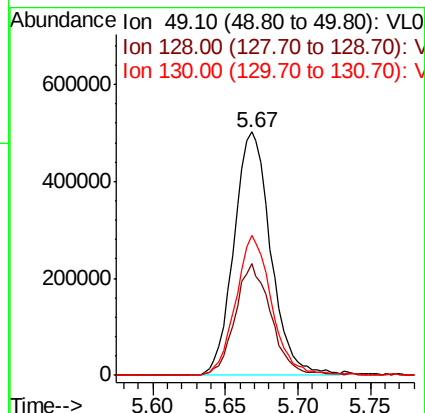
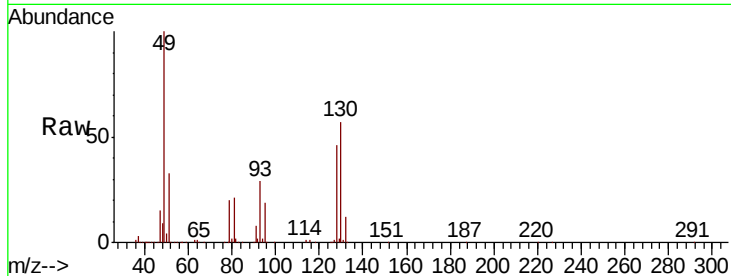
ClientSampled :

50-2DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 49    | Resp: | 886895 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 128       | 44.9  | 22.4  | 67.2   |
| 130       | 55.9  | 28.3  | 85.0   |

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#9

Propene

Concen: 0.180 ppbv

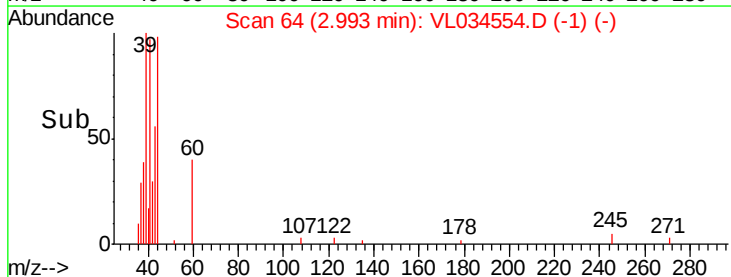
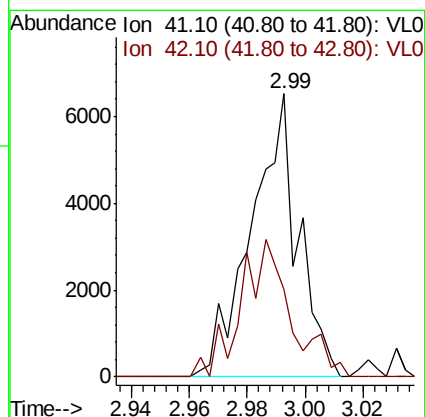
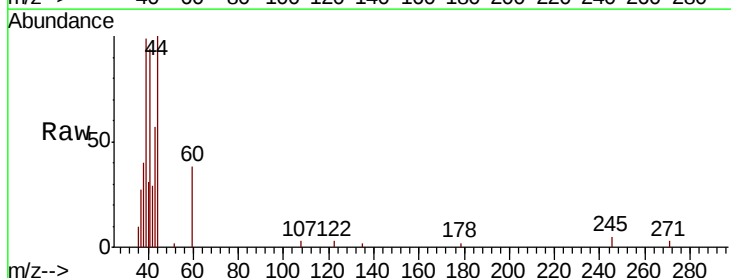
RT: 2.99 min Scan# 64

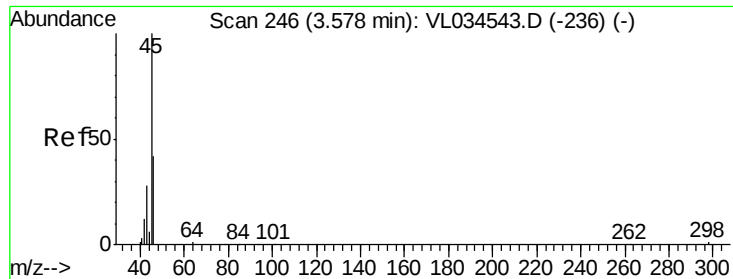
Delta R.T. 0.02 min

Lab File: VL034554.D

Acq: 2 Jan 2020 19:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 7326  |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 42        | 52.0  | 55.8  | 83.6# |





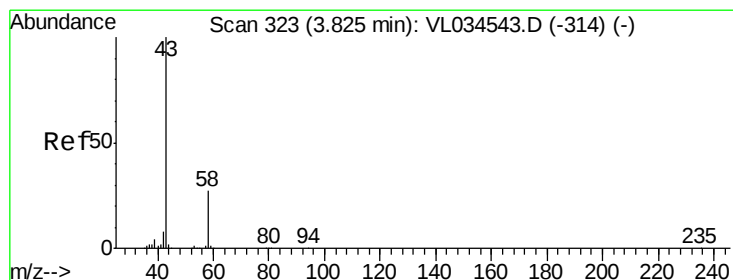
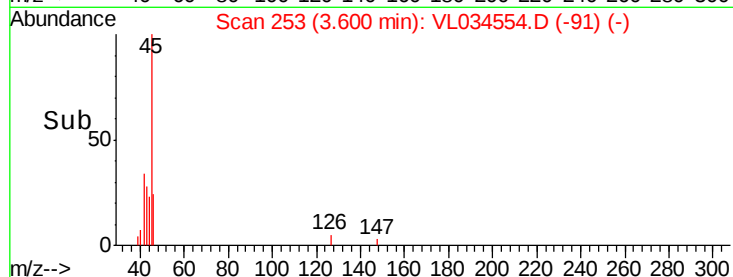
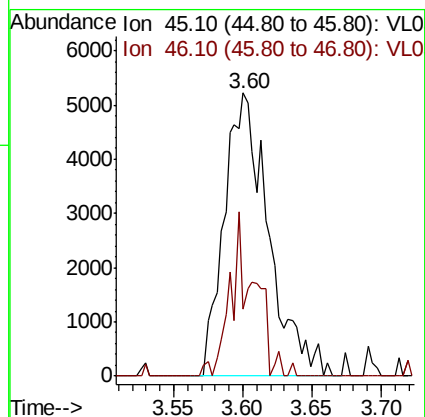
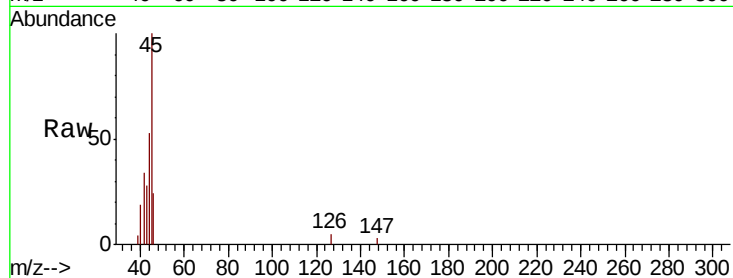
#13  
Ethanol  
Concen: 1.030 ppbv m  
RT: 3.60 min Scan# 253  
Delta R.T. 0.02 min  
Lab File: VL034554.D  
Acq: 2 Jan 2020 19:58

Instrument :  
MSVOA\_L  
ClientSampleId :  
50-2DL

Tot Ion: 45 Resp: 11639  
Ion Ratio Lower Upper  
45 100  
46 0.0 14.9 59.7#

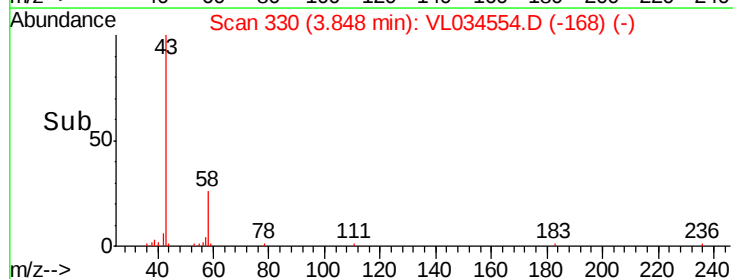
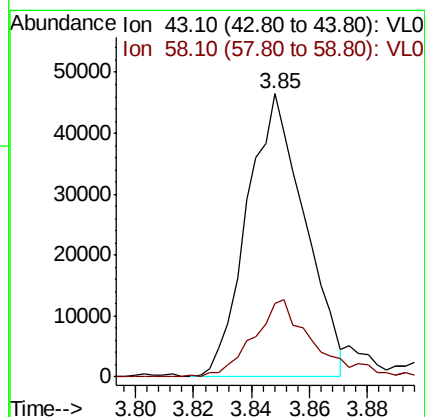
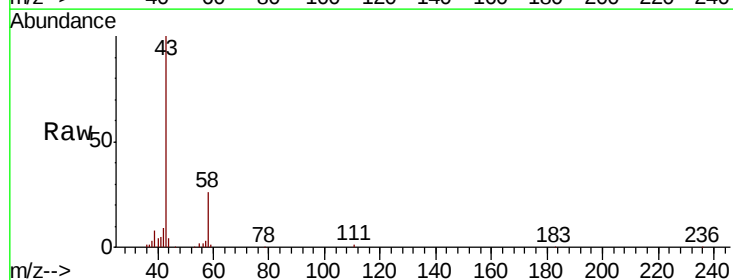
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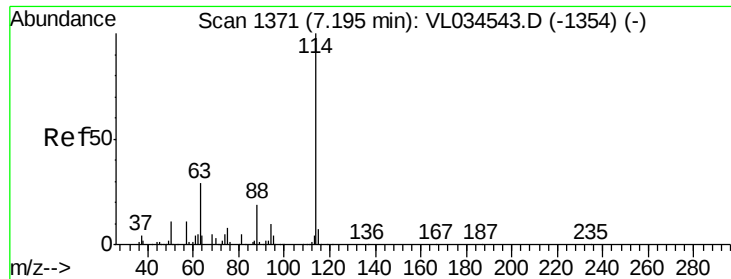
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#15  
Acetone  
Concen: 0.497 ppbv  
RT: 3.85 min Scan# 330  
Delta R.T. 0.02 min  
Lab File: VL034554.D  
Acq: 2 Jan 2020 19:58

Tgt Ion: 43 Resp: 64389  
Ion Ratio Lower Upper  
43 100  
58 28.4 20.4 30.6





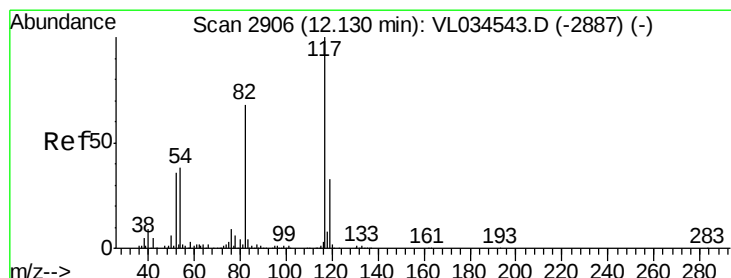
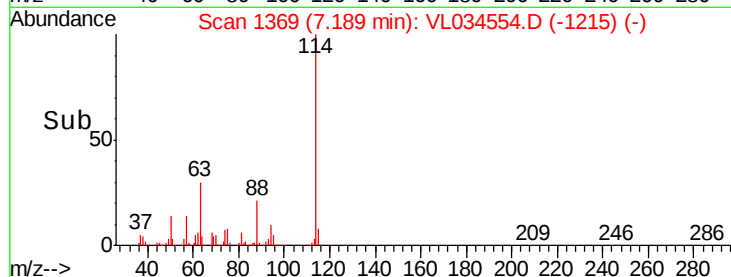
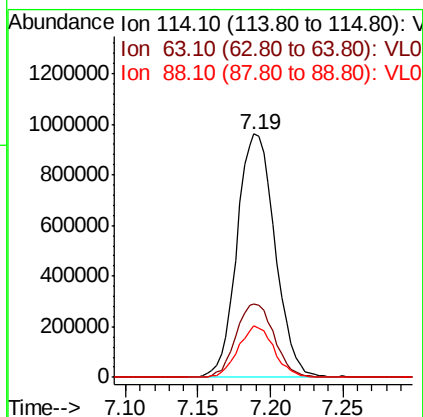
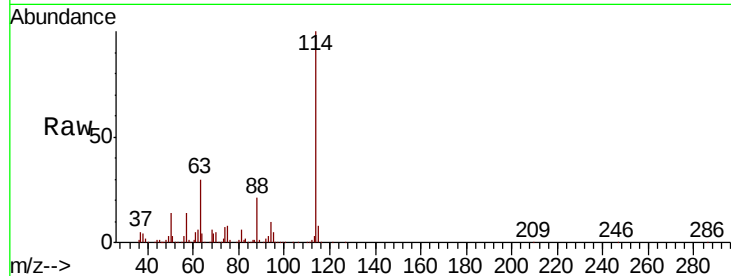
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19 min Scan# 1369  
 Delta R.T. -0.01 min  
 Lab File: VL034554.D  
 Acq: 2 Jan 2020 19:58

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 50-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 30.5  | 24.1  | 36.1  |
| 88      | 20.0  | 15.7  | 23.5  |

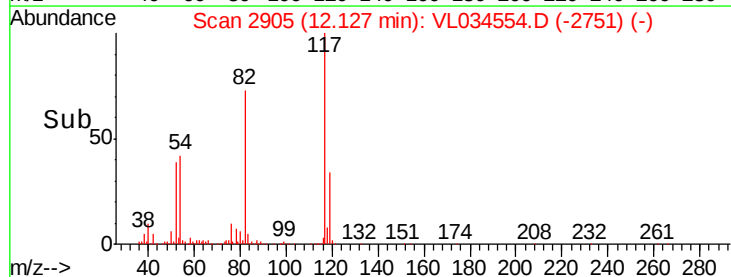
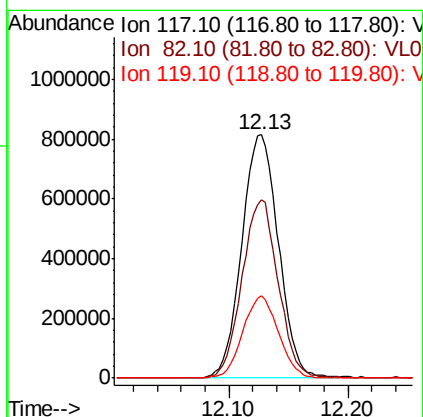
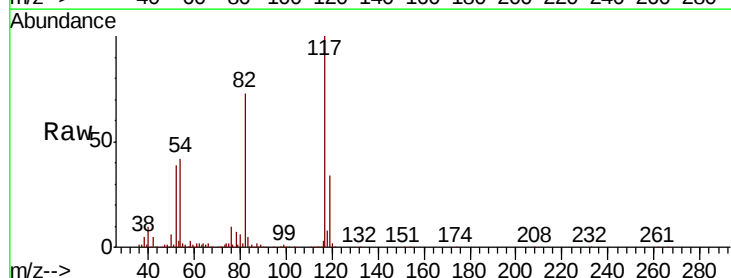
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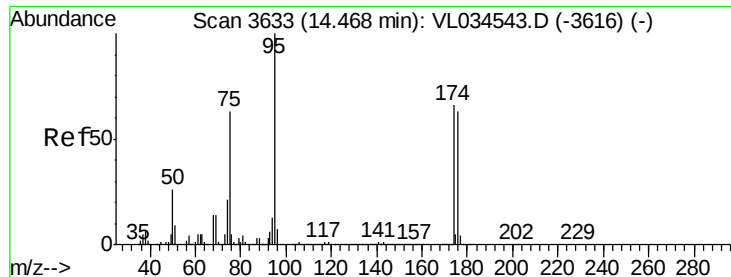
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#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.13 min Scan# 2905  
 Delta R.T. -0.01 min  
 Lab File: VL034554.D  
 Acq: 2 Jan 2020 19:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 72.3  | 56.2  | 84.4  |
| 119     | 32.9  | 27.1  | 40.7  |





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.273 ppbv  
 RT: 14.46 min Scan# 3631  
 Delta R.T. -0.01 min  
 Lab File: VL034554.D  
 Acq: 2 Jan 2020 19:58

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 50-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 62.9  | 52.4  | 78.6  |
| 175     | 4.6   | 3.9   | 5.9   |

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