

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\  
 Data File : VL035855.D  
 Acq On : 5 Nov 2020 6:03  
 Operator : SY/AP  
 Sample : OC102920 CAN 10604  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC102920 CAN 10604

Manual Integrations  
 APPROVED

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 11/5/2020 2:18:06 PM

Quant Time: Nov 05 07:53:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 04  
 QLast Update : Wed Nov 04 02:40:06 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 816134   | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 3076701  | 10.00 | ppbv  | -0.04    |
| 55) Chlorobenzene-d5    | 12.05 | 117  | 2829657  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2026233  | 10.08    | ppbv | -0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.80% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|------|------|----------|-------|--------|--------|
| 15) Acetone            | 3.84 | 43   | 16114m   | 0.185 | ppbv   |        |
| 20) Methylene Chloride | 4.32 | 84   | 33413    | 0.544 | ppbv   | 92     |
| 26) Hexane             | 5.66 | 57   | 13168    | 0.139 | ppbv # | 41     |

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

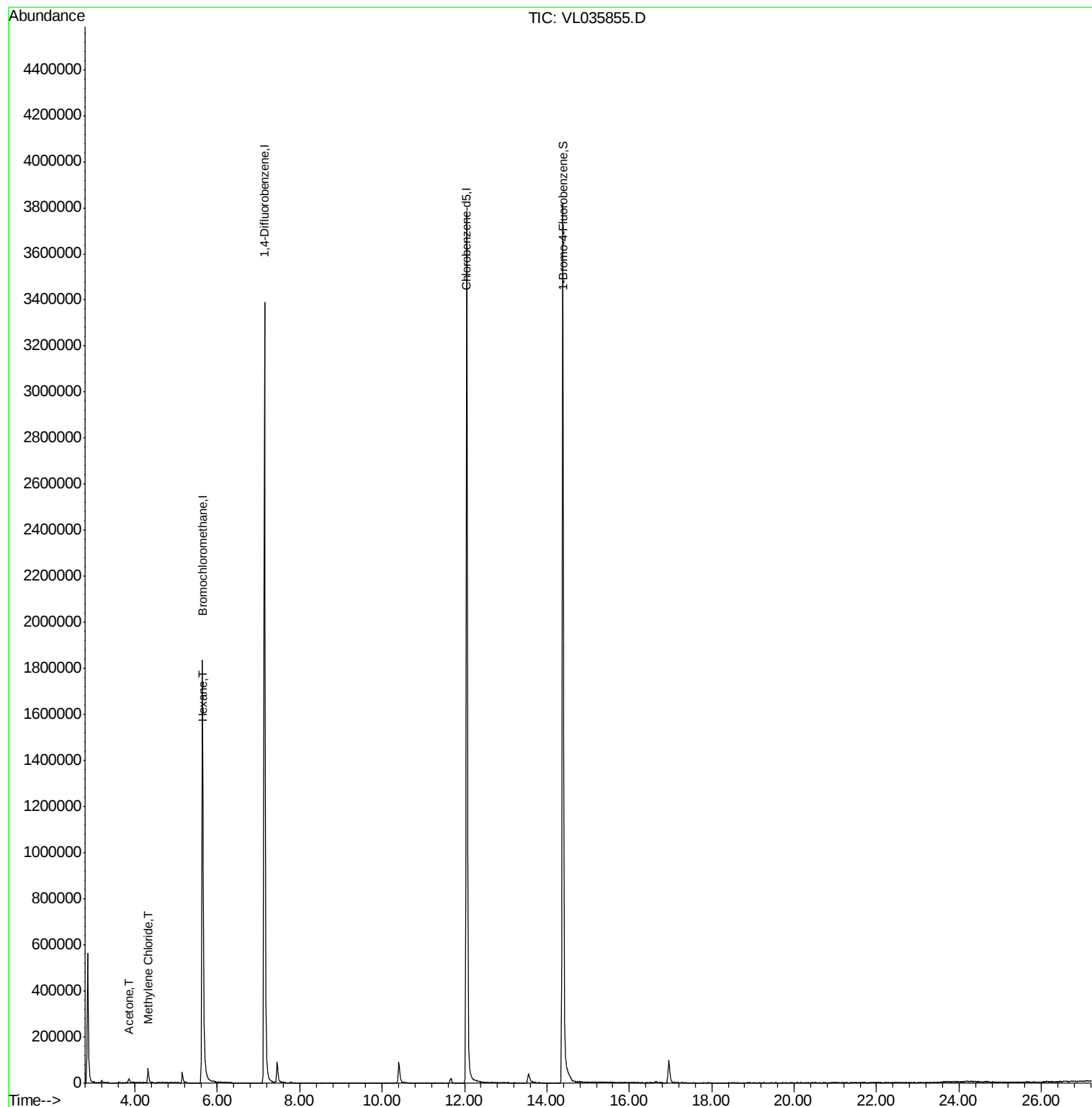
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110420\  
Data File : VL035855.D  
Acq On : 5 Nov 2020 6:03  
Operator : SY/AP  
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Quant Time: Nov 05 07:53:00 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Nov  
QLast Update : Wed Nov 04 02:40:06 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035855.D

Acq: 5 Nov 2020 6:03

Instrument :

MSVOA\_L

ClientSampleId :

QC102920 CAN 10604

Tot Ion: 49 Resp: 816134

Ion Ratio Lower Upper

49 100

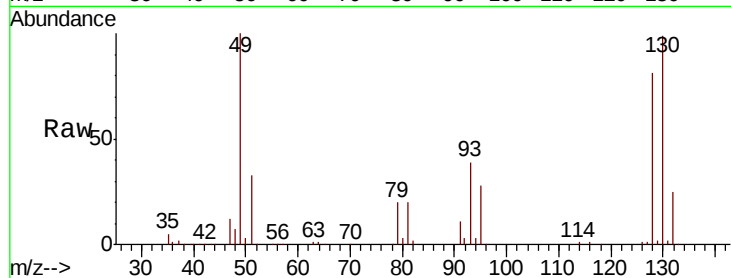
128 82.1 41.5 124.6

130 104.5 53.7 161.1

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

500000

400000

300000

200000

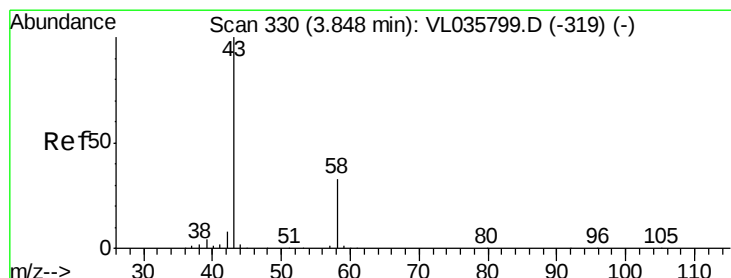
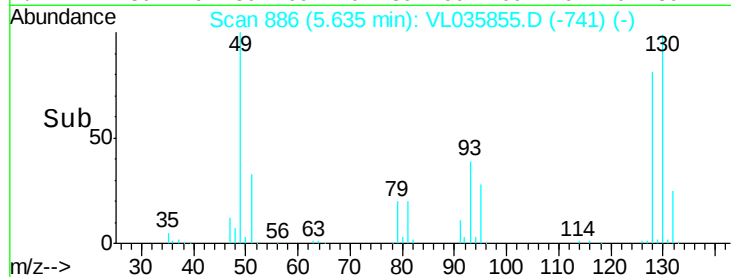
100000

0

5.60

5.70

Time-->



#15

Acetone

Concen: 0.185 ppbv m

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035855.D

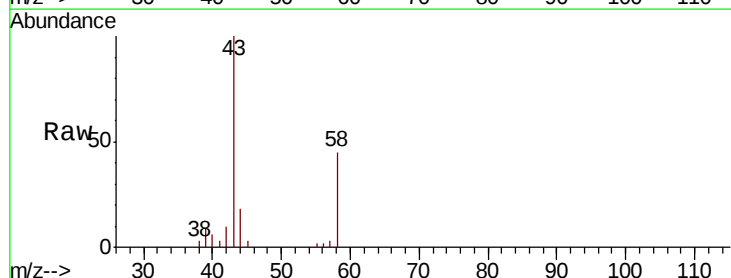
Acq: 5 Nov 2020 6:03

Tgt Ion: 43 Resp: 16114

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

10000

8000

6000

4000

2000

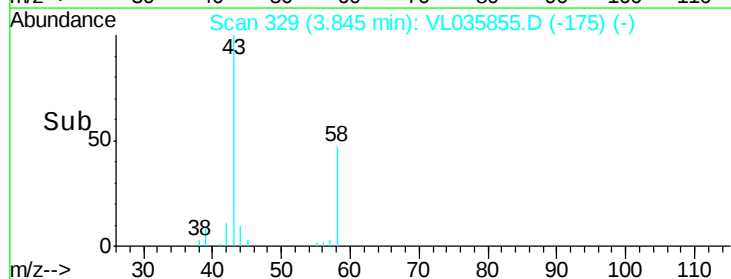
0

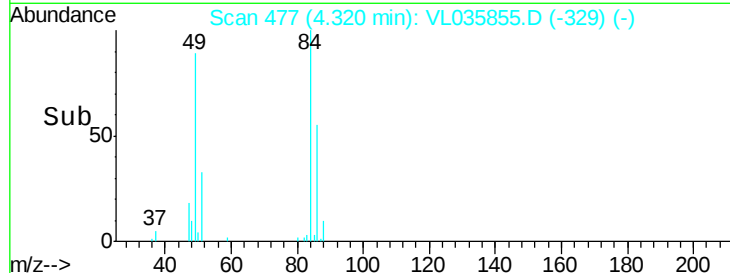
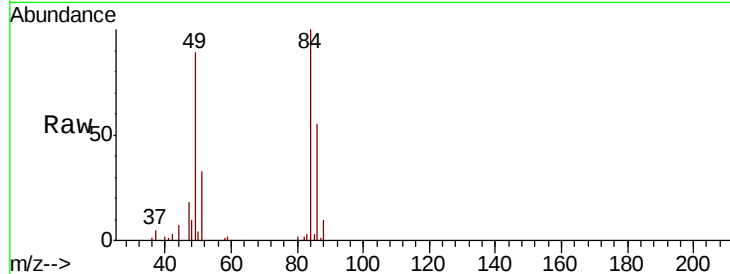
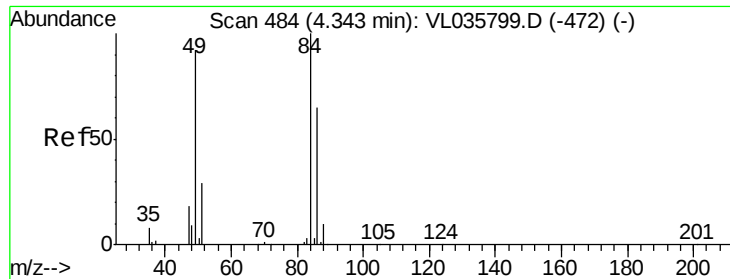
3.80

3.85

3.90

Time-->





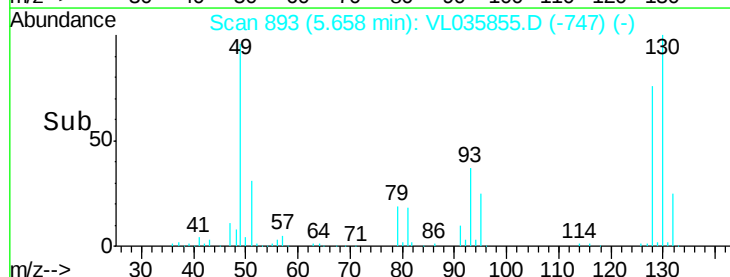
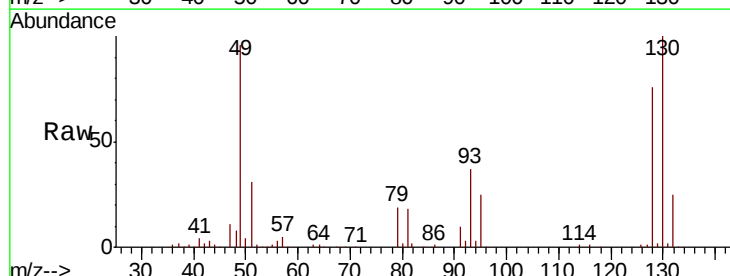
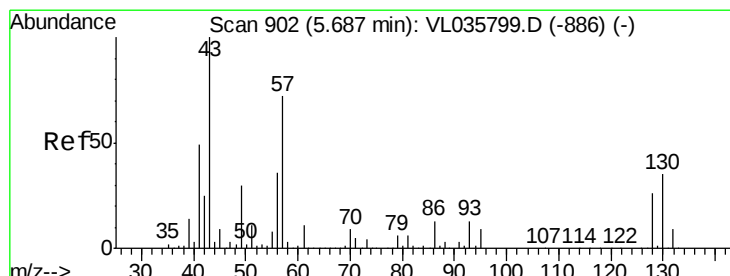
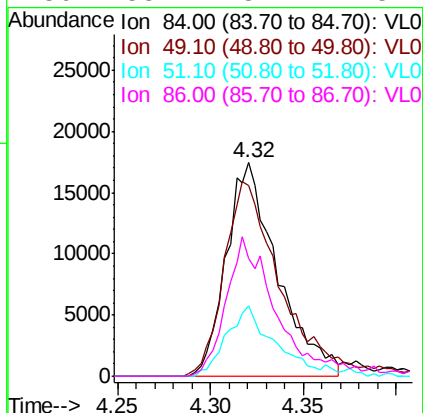
#20  
Methvlene Chloride  
Concen: 0.544 ppbv  
RT: 4.32 min Scan# 477  
Delta R.T. -0.02 min  
Lab File: VL035855.D  
Acq: 5 Nov 2020 6:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 33413 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 87.9  | 73.8  | 110.8 |
| 51       | 32.9  | 23.0  | 34.4  |
| 86       | 55.4  | 52.1  | 78.1  |

Instrument :  
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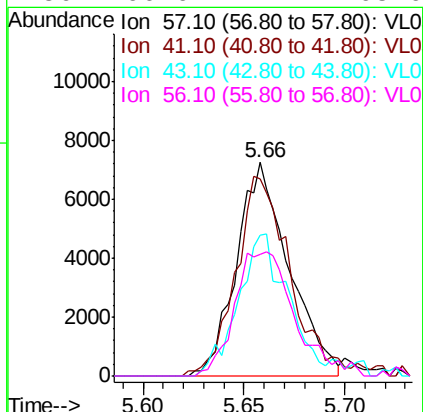
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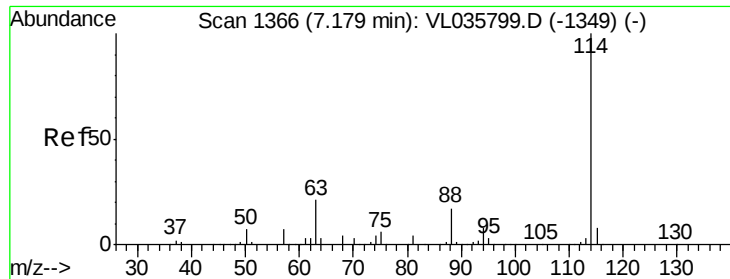
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#26  
Hexane  
Concen: 0.139 ppbv  
RT: 5.66 min Scan# 893  
Delta R.T. -0.03 min  
Lab File: VL035855.D  
Acq: 5 Nov 2020 6:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 13168  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 99.4  | 58.9  | 88.3#  |
| 43       | 68.0  | 150.2 | 225.2# |
| 56       | 66.6  | 42.4  | 63.6#  |





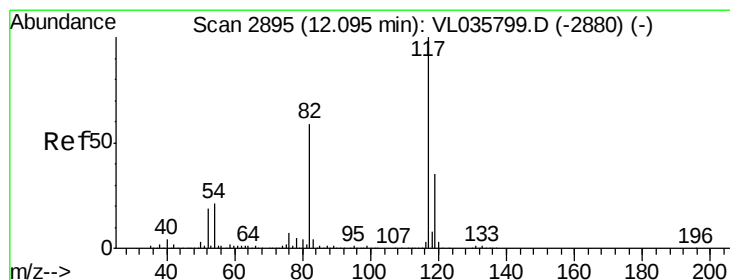
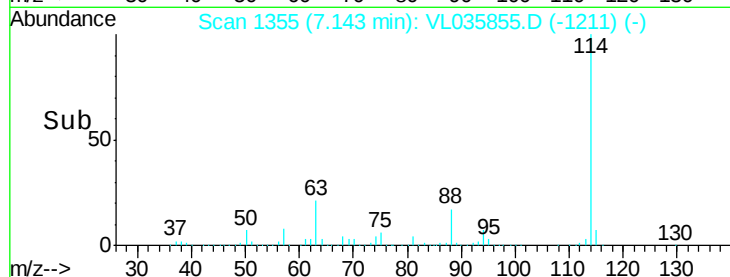
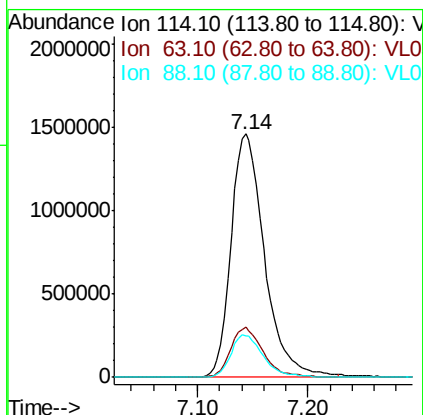
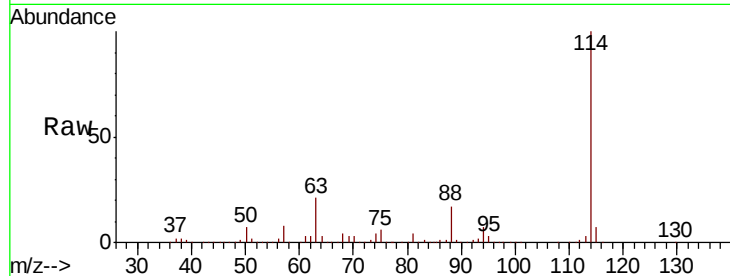
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.14 min Scan# 1355  
 Delta R.T. -0.04 min  
 Lab File: VL035855.D  
 Acq: 5 Nov 2020 6:03

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC102920 CAN 10604

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.3  | 16.1  | 24.1  |
| 88      | 17.1  | 13.7  | 20.5  |

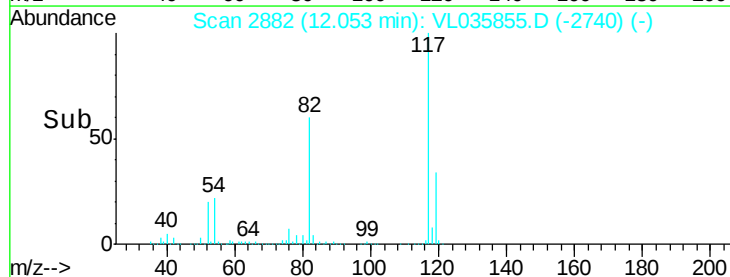
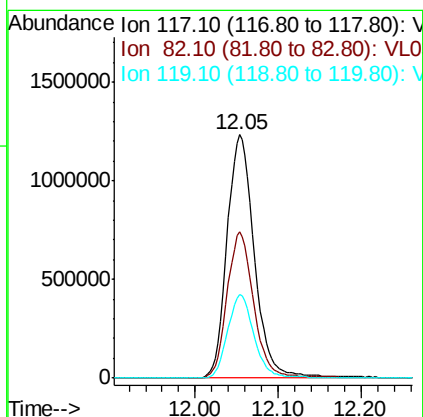
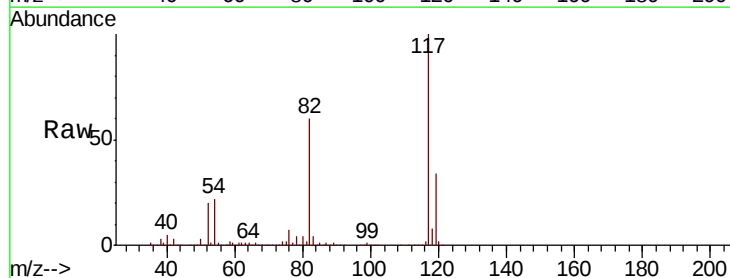
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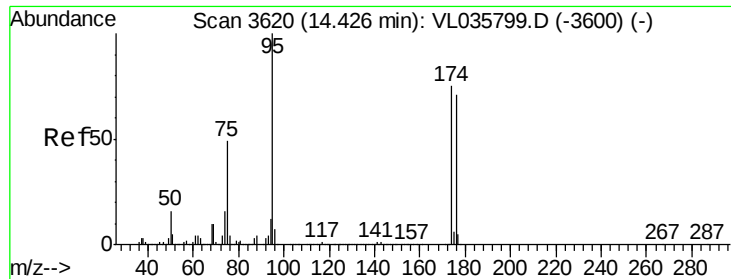
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#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.05 min Scan# 2882  
 Delta R.T. -0.04 min  
 Lab File: VL035855.D  
 Acq: 5 Nov 2020 6:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.3  | 50.6  | 76.0  |
| 119     | 33.6  | 52.6  | 78.8# |





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.079 ppbv  
 RT: 14.39 min Scan# 3608  
 Delta R.T. -0.04 min  
 Lab File: VL035855.D  
 Acq: 5 Nov 2020 6:03

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC102920 CAN 10604

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.5  | 59.8  | 89.6  |
| 175     | 5.3   | 4.3   | 6.5   |

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