

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL012021\  
 Data File : VL036257.D  
 Acq On : 20 Jan 2021 22:02  
 Operator : SY/AP  
 Sample : QC010421 CAN 10334  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC010421 CAN 10334

Manual Integrations  
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 1/21/2021 10:36:21 AM

Quant Time: Jan 21 01:36:29 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL011321AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 14 16:13:38 2021  
 QLast Update : Thu Jan 14 16:13:38 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.665  | 49    | 1370920  | 10.00    | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 7.169  | 114   | 2957559  | 10.00    | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 12.079 | 117   | 2696819  | 10.00    | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.413 | 95    | 2259658  | 10.12    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.20%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 9) Propene                  | 3.009  | 41    | 10641m   | 0.13     | ppbv   |          |
| 15) Acetone                 | 3.864  | 43    | 97300    | 0.58     | ppbv # | 76       |
| 20) Methylene Chloride      | 4.337  | 84    | 28381m   | 0.53     | ppbv   |          |
| 26) Hexane                  | 5.684  | 57    | 15521m   | 0.11     | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

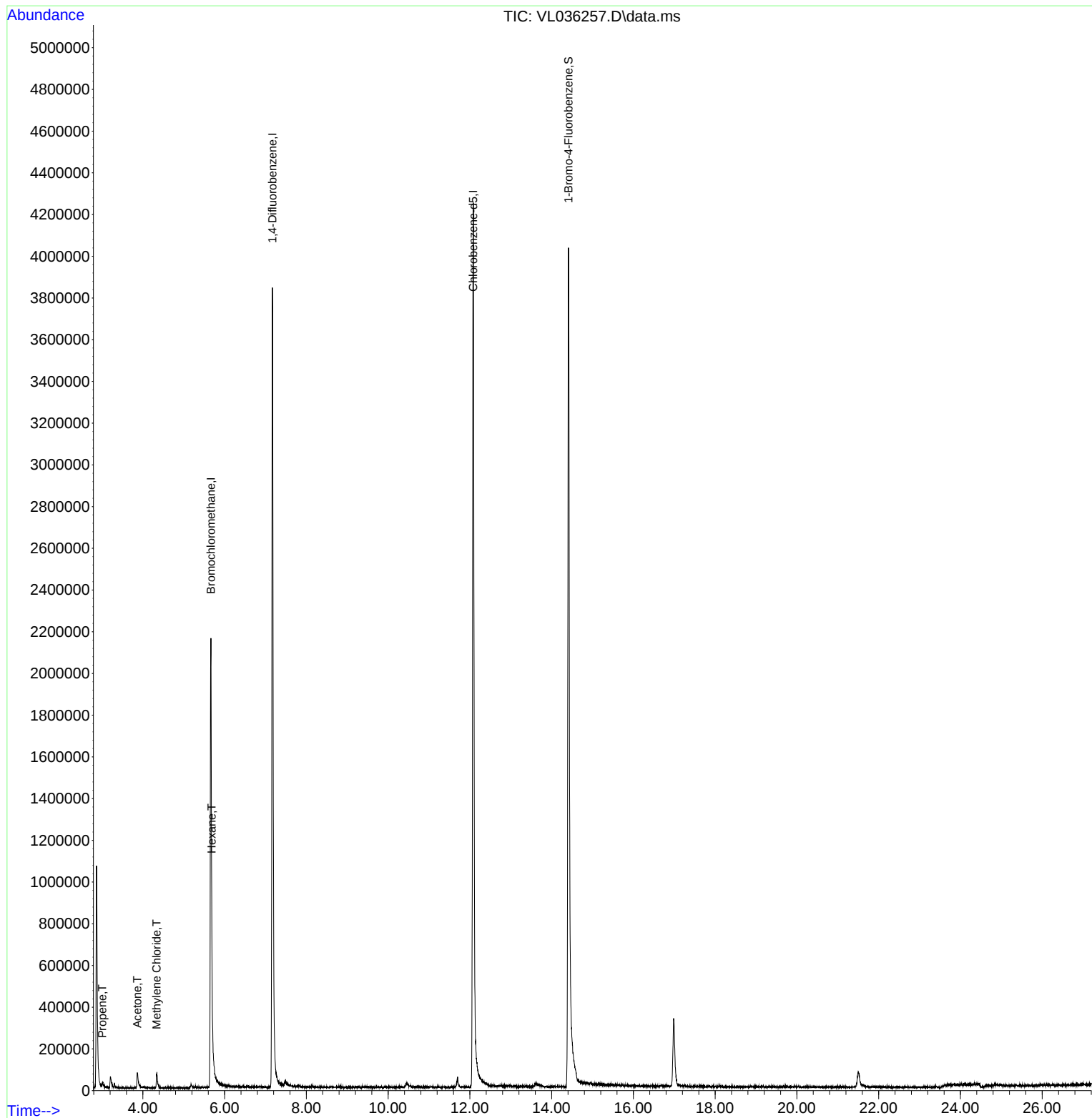
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL012021\  
Data File : VL036257.D  
Acq On : 20 Jan 2021 22:02  
Operator : SY/AP  
Sample : QC010421 CAN 10334  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

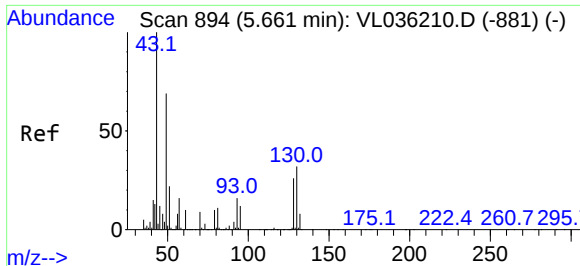
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC010421 CAN 10334

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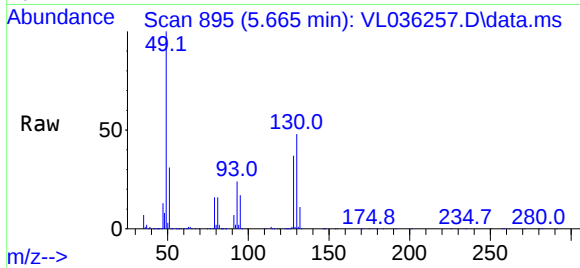
Quant Time: Jan 21 01:36:29 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL011321AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 14 16:13:38 2021  
QLast Update : Thu Jan 14 16:13:38 2021  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.00 ppbv  
RT: 5.665 min Scan# 895  
Delta R.T. 0.003 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC010421 CAN 10334

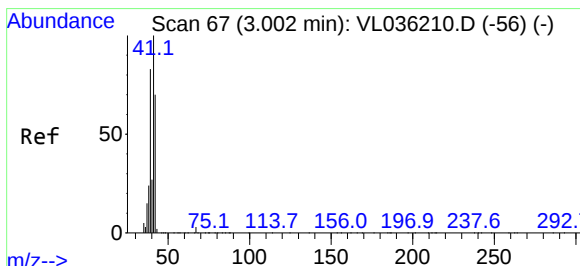
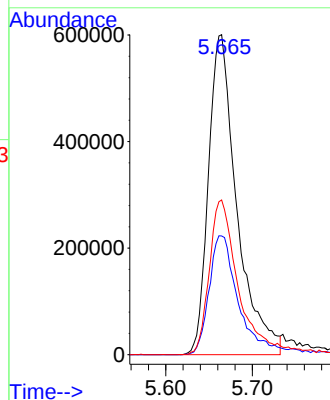
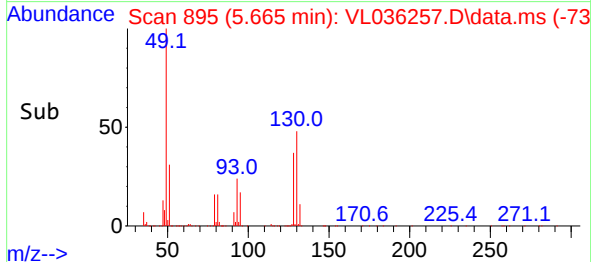


Tgt Ion: 49 Resp: 1370920

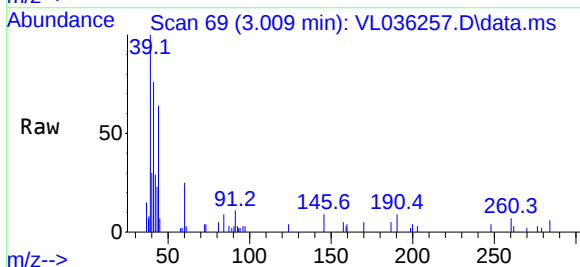
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 40.0  | 20.1  | 60.2  |
| 130 | 51.8  | 25.3  | 75.9  |

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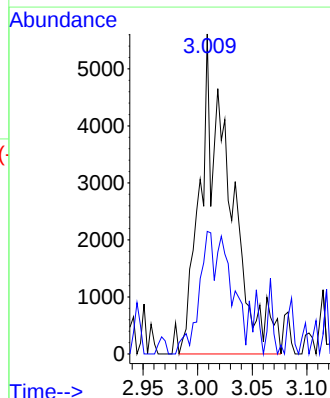
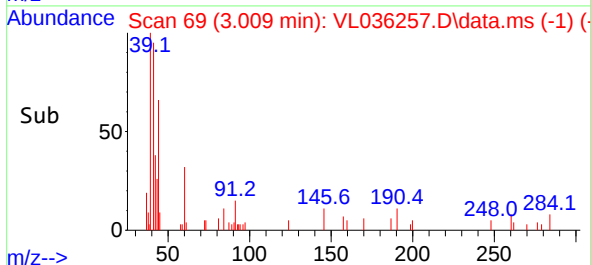


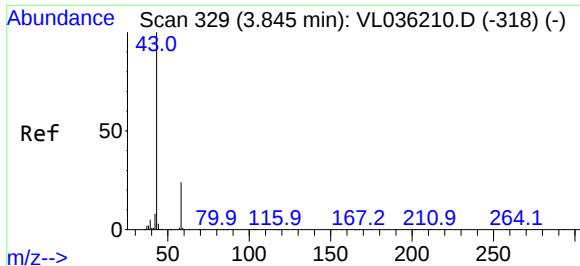
#9  
Propene  
Concen: 0.13 ppbv m  
RT: 3.009 min Scan# 69  
Delta R.T. 0.006 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02



Tgt Ion: 41 Resp: 10641

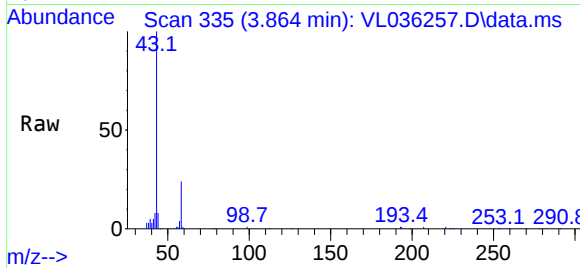
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 42  | 0.0   | 57.1  | 85.7# |





#15  
Acetone  
Concen: 0.58 ppbv  
RT: 3.864 min Scan# 335  
Delta R.T. 0.019 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02

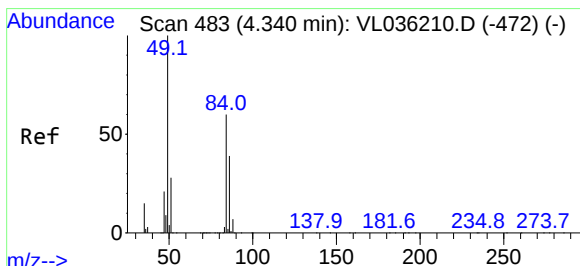
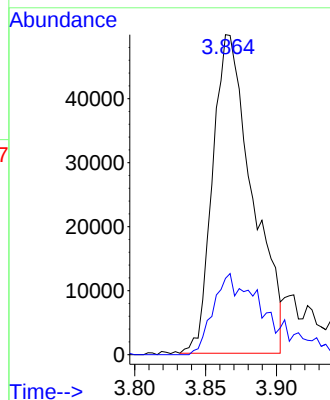
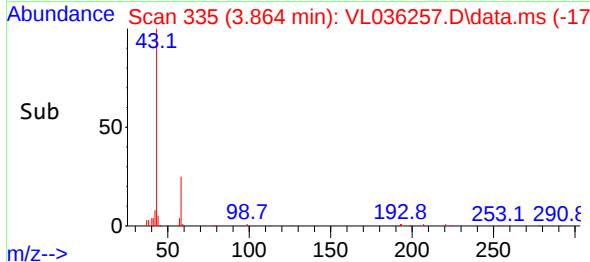
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC010421 CAN 10334



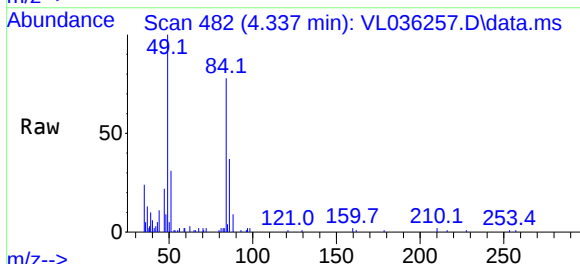
Tgt Ion: 43 Resp: 97300  
Ion Ratio Lower Upper  
43 100  
58 38.6 20.9 31.3#

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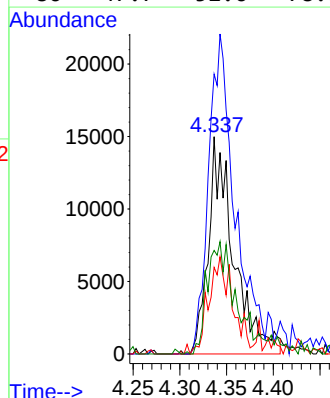
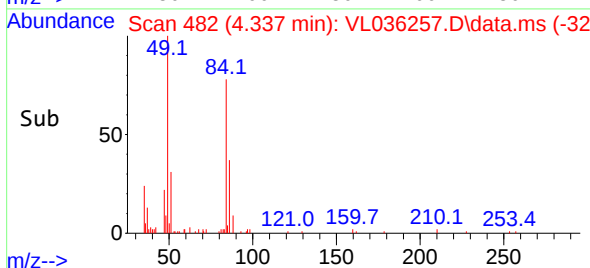
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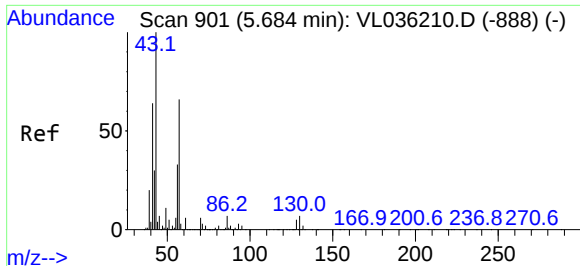


#20  
Methylene Chloride  
Concen: 0.53 ppbv m  
RT: 4.337 min Scan# 482  
Delta R.T. -0.003 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02



Tgt Ion: 84 Resp: 28381  
Ion Ratio Lower Upper  
84 100  
49 128.8 134.1 201.1#  
51 39.9 37.4 56.0  
86 47.7 52.6 78.8#





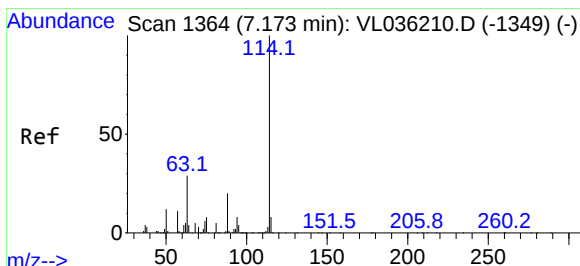
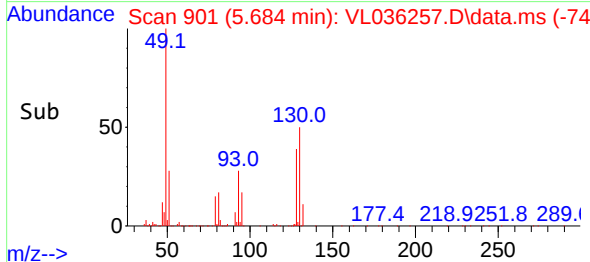
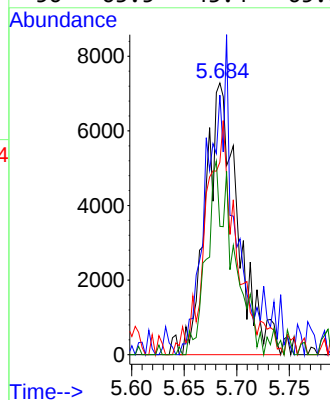
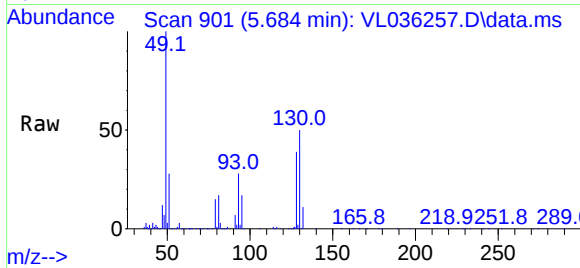
#26  
Hexane  
Concen: 0.11 ppbv m  
RT: 5.684 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 15521  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 104.2 | 83.0  | 124.6  |
| 43       | 82.3  | 202.4 | 303.6# |
| 56       | 63.5  | 43.4  | 65.0   |

Instrument :  
MSVOA\_L  
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QC010421 CAN 10334

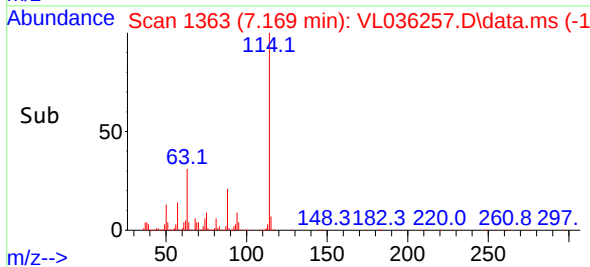
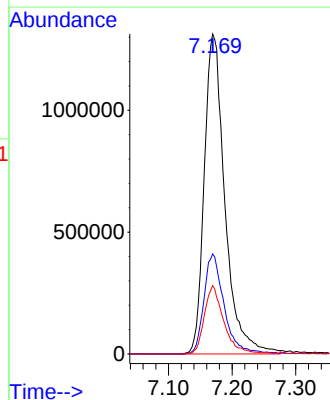
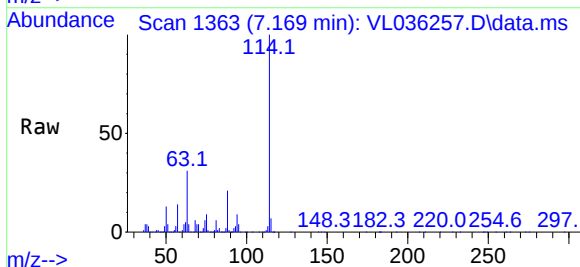
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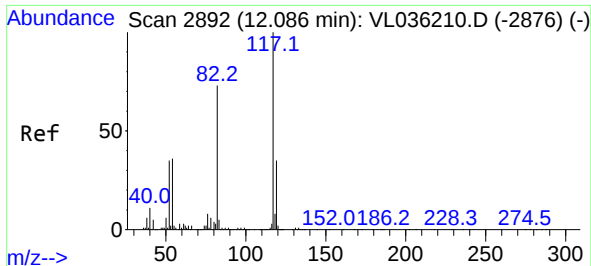
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#33  
1,4-Difluorobenzene  
Concen: 10.00 ppbv  
RT: 7.169 min Scan# 1363  
Delta R.T. -0.003 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 2957559 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 31.1  | 24.7  | 37.1    |
| 88       | 20.5  | 16.6  | 24.8    |





#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 12.079 min Scan# 2890  
Delta R.T. -0.006 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02

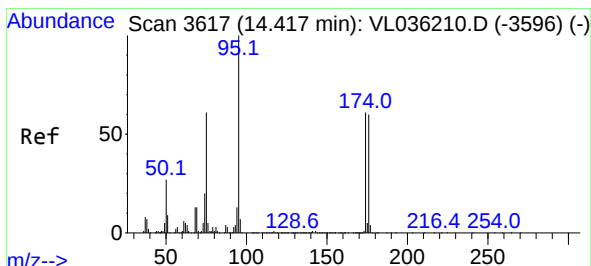
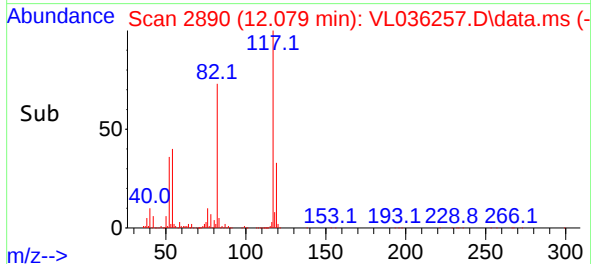
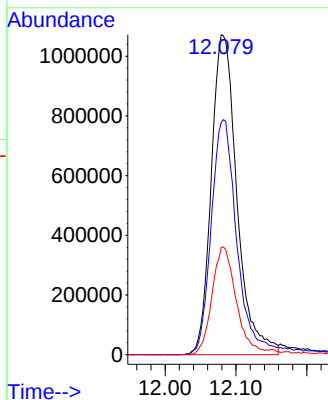
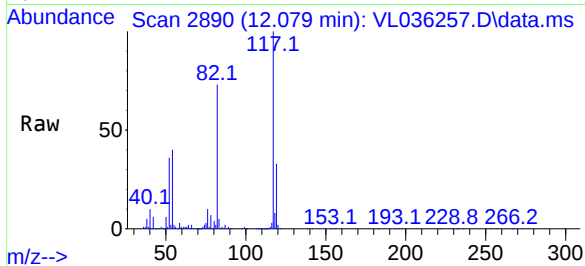
Tgt Ion: 117 Resp: 2696819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 75.5  | 59.7  | 89.5  |
| 119 | 33.9  | 28.6  | 43.0  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC010421 CAN 10334

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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.12 ppbv  
RT: 14.413 min Scan# 3616  
Delta R.T. -0.003 min  
Lab File: VL036257.D  
Acq: 20 Jan 2021 22:02

Tgt Ion: 95 Resp: 2259658

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 61.4  | 49.4  | 74.0  |
| 175 | 4.3   | 3.8   | 5.8   |

