

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\  
 Data File : VL035845.D  
 Acq On : 4 Nov 2020 23:20  
 Operator : SY/AP  
 Sample : L4220-01DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1DL

Manual Integrations  
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Quant Time: Nov 05 05:11:27 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   | 856951   | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 3819222  | 10.00 | ppbv  | -0.04    |
| 55) Chlorobenzene-d5    | 12.05 | 117  | 3502930  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 2423846  | 9.74     | ppbv | -0.04  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.40% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|------|------|----------|-------|--------|--------|
| 9) Propene             | 3.00 | 41   | 8115     | 0.216 | ppbv   | 99     |
| 13) Ethanol            | 3.59 | 45   | 13913m   | 1.707 | ppbv   |        |
| 15) Acetone            | 3.83 | 43   | 51610    | 0.563 | ppbv # | 77     |
| 20) Methylene Chloride | 4.31 | 84   | 123836   | 1.920 | ppbv   | 94     |
| 26) Hexane             | 5.65 | 57   | 63514    | 0.638 | ppbv # | 46     |

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

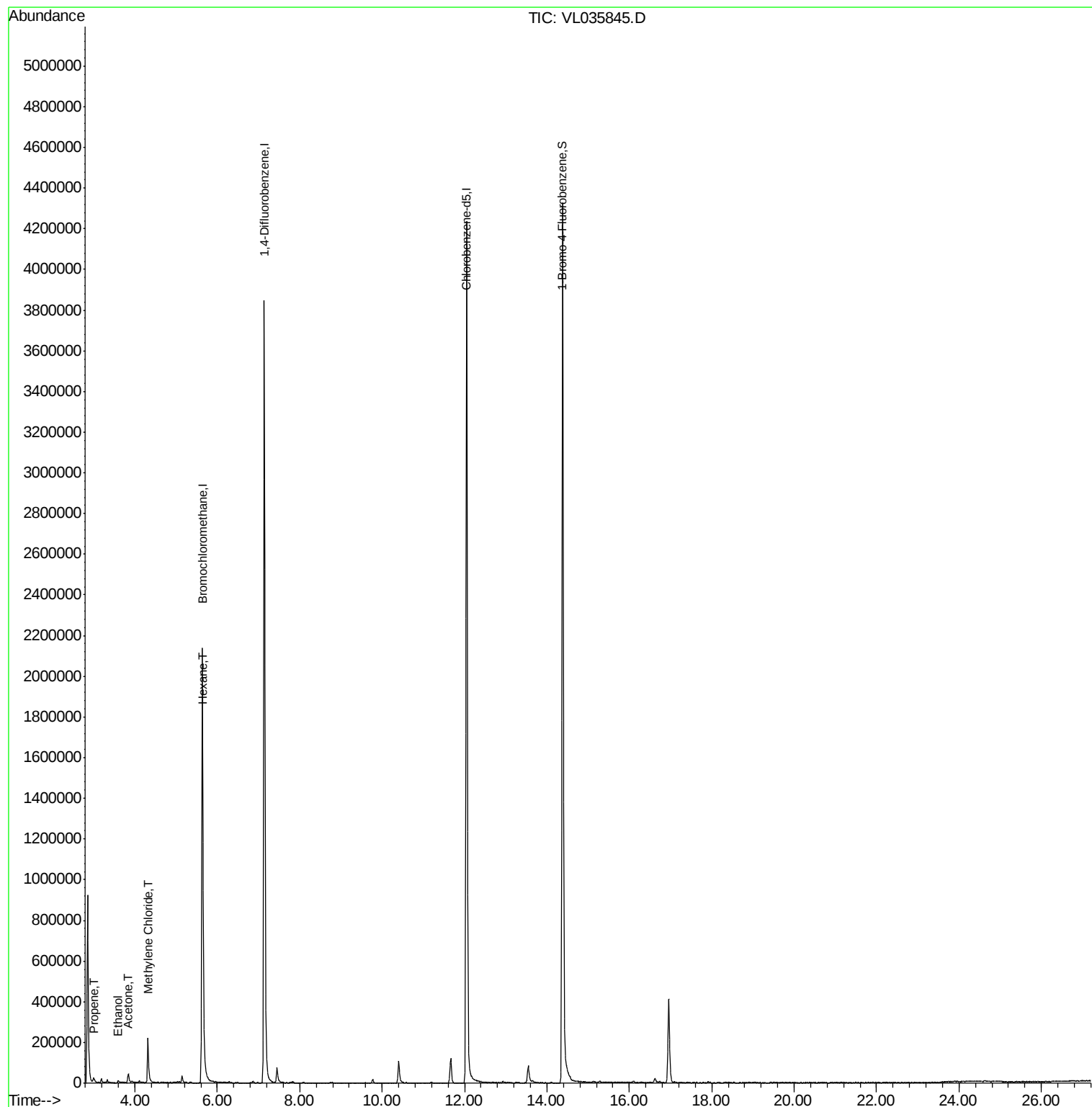
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110420\  
Data File : VL035845.D  
Acq On : 4 Nov 2020 23:20  
Operator : SY/AP  
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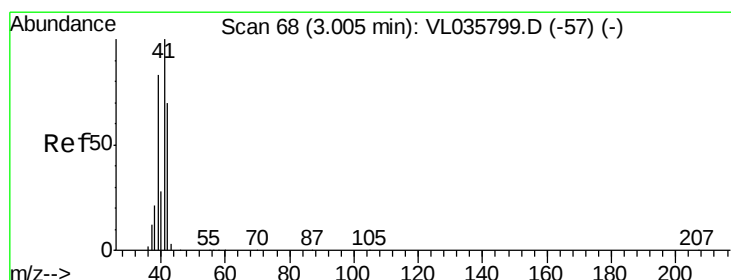
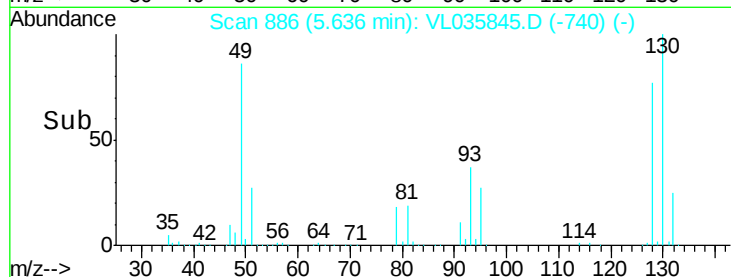
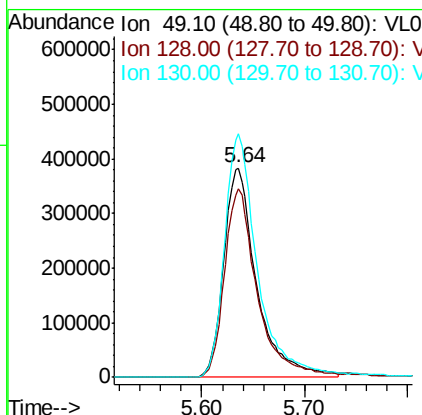
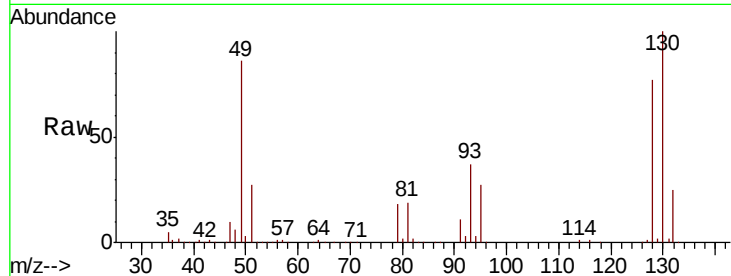
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.64 min Scan# 886  
 Delta R.T. -0.03 min  
 Lab File: VL035845.D  
 Acq: 4 Nov 2020 23:20

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 128     | 91.9  | 41.5  | 124.6 |
| 130     | 119.9 | 53.7  | 161.1 |

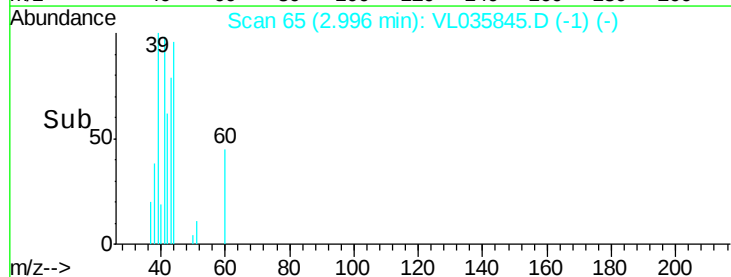
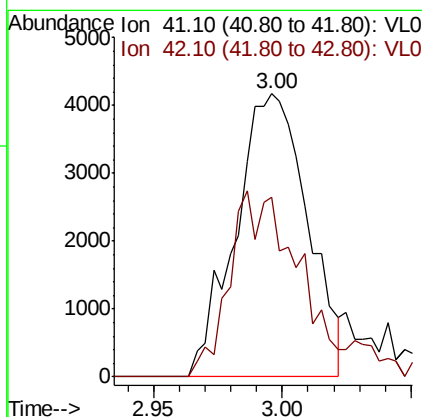
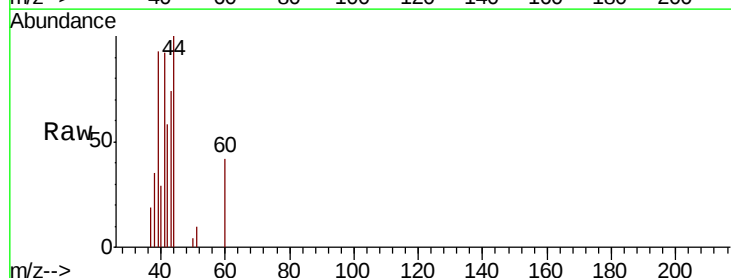
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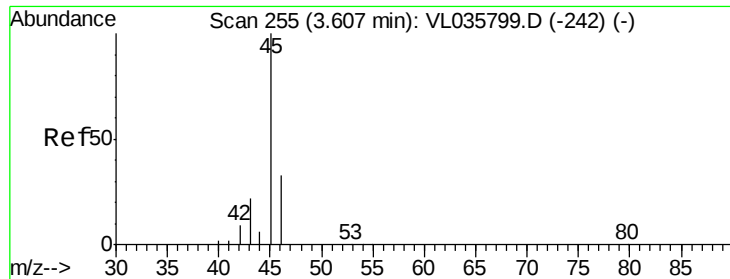
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#9  
 Propene  
 Concen: 0.216 ppbv  
 RT: 3.00 min Scan# 65  
 Delta R.T. -0.01 min  
 Lab File: VL035845.D  
 Acq: 4 Nov 2020 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 42      | 69.9  | 56.2  | 84.4  |





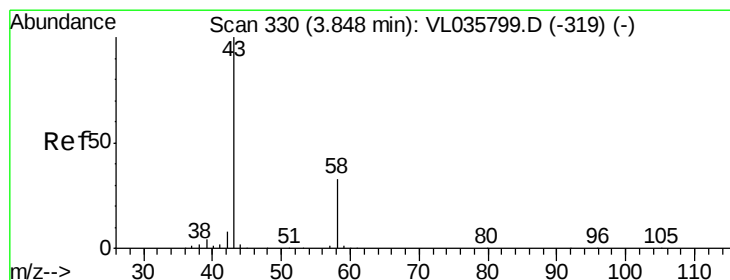
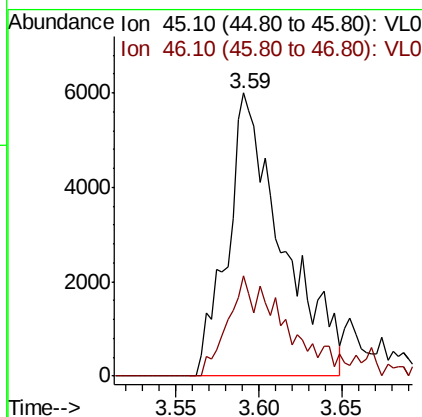
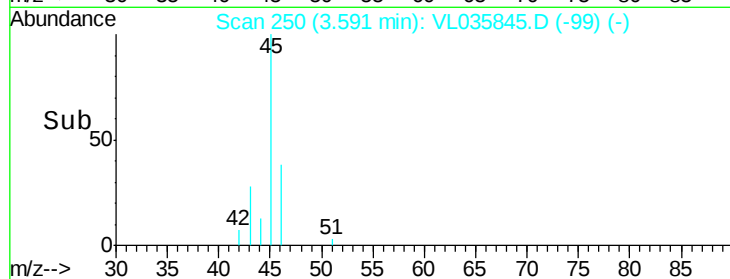
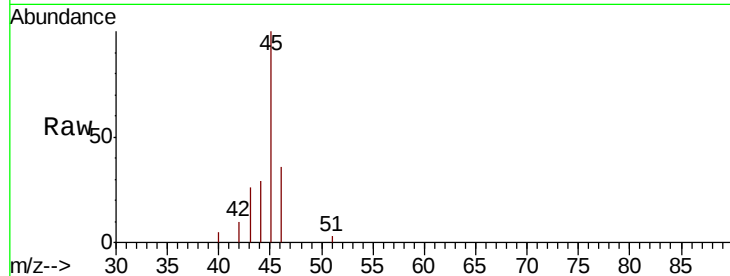
#13  
Ethanol  
Concen: 1.707 ppbv m  
RT: 3.59 min Scan# 250  
Delta R.T. -0.02 min  
Lab File: VL035845.D  
Acq: 4 Nov 2020 23:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Tot Ion: 45 Resp: 13913  
Ion Ratio Lower Upper  
45 100  
46 42.3 16.1 64.5

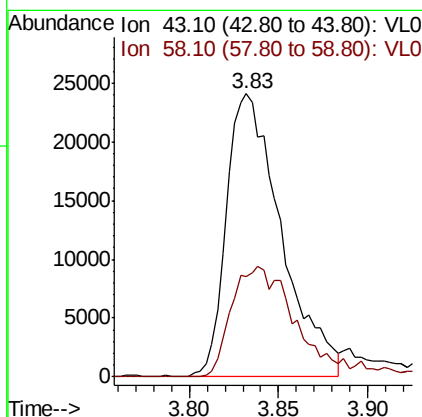
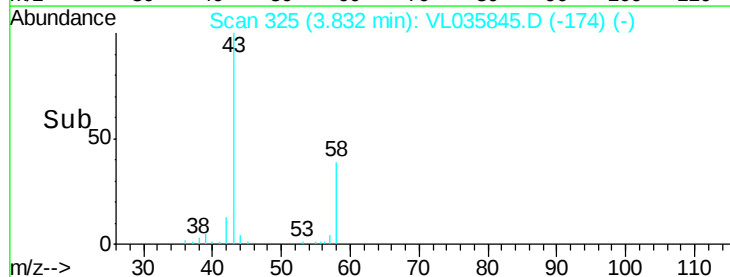
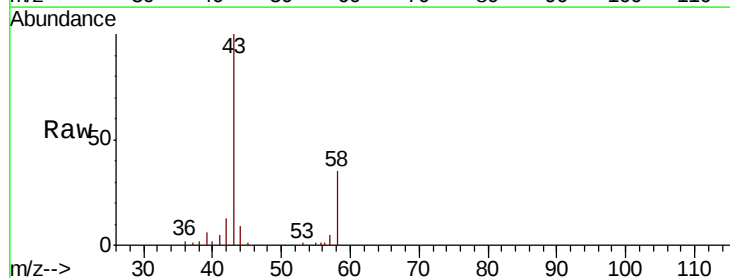
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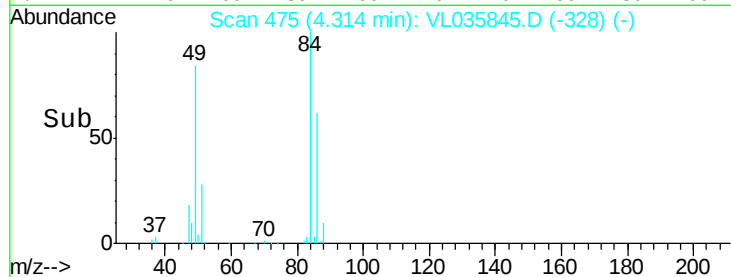
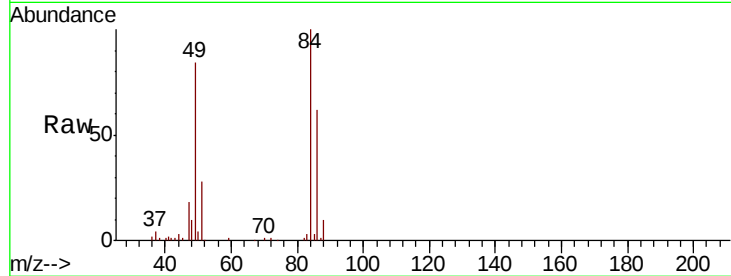
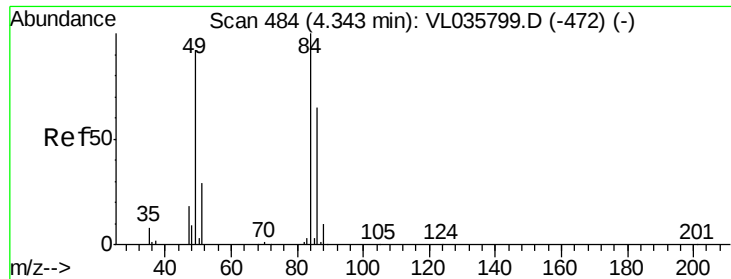
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#15  
Acetone  
Concen: 0.563 ppbv  
RT: 3.83 min Scan# 325  
Delta R.T. -0.02 min  
Lab File: VL035845.D  
Acq: 4 Nov 2020 23:20

Tgt Ion: 43 Resp: 51610  
Ion Ratio Lower Upper  
43 100  
58 47.8 27.5 41.3#





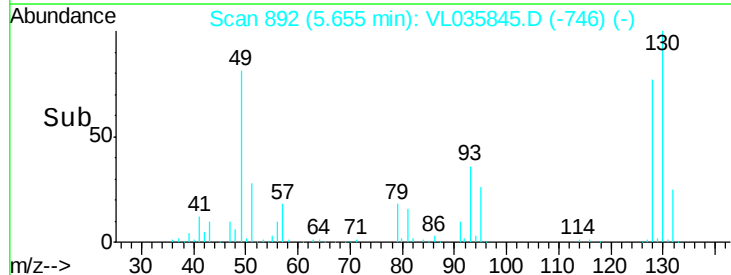
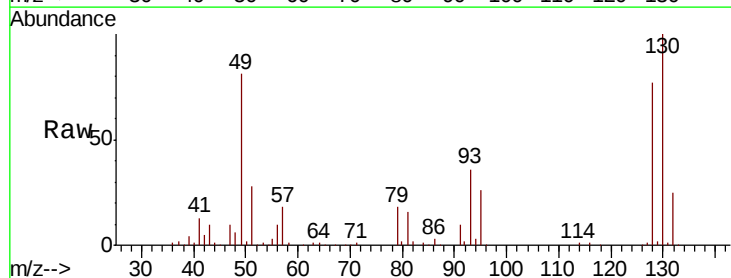
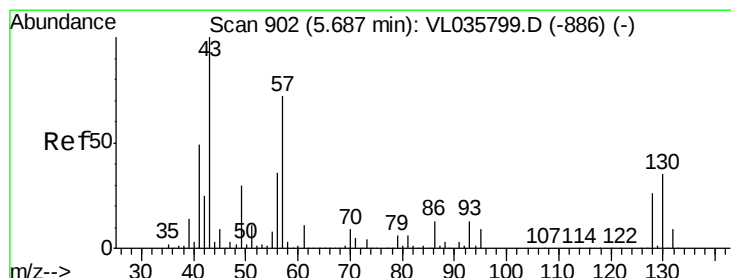
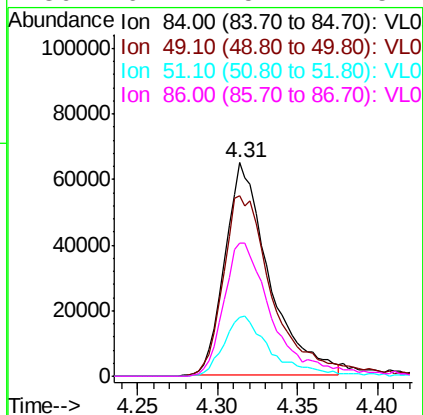
#20  
Methvlene Chloride  
Concen: 1.920 ppbv  
RT: 4.31 min Scan# 475  
Delta R.T. -0.03 min  
Lab File: VL035845.D  
Acq: 4 Nov 2020 23:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 84.3  | 73.8  | 110.8 |
| 51      | 27.9  | 23.0  | 34.4  |
| 86      | 62.4  | 52.1  | 78.1  |

Instrument :  
MSVOA\_L  
ClientSampled :  
IA1DL

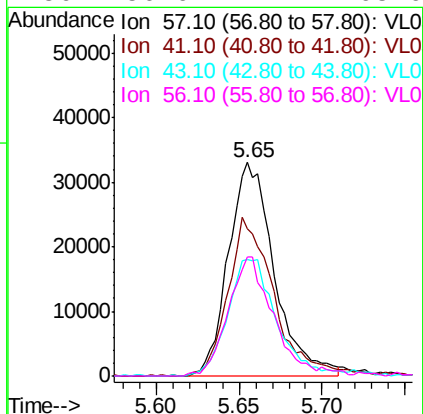
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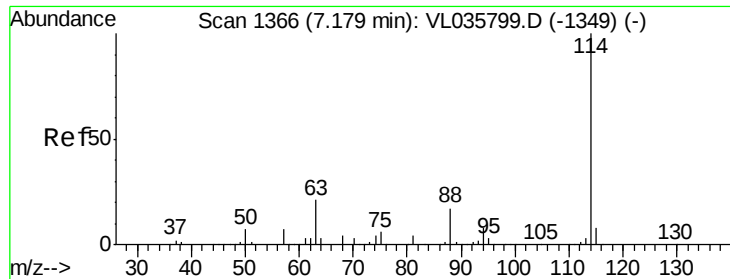
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#26  
Hexane  
Concen: 0.638 ppbv  
RT: 5.65 min Scan# 892  
Delta R.T. -0.03 min  
Lab File: VL035845.D  
Acq: 4 Nov 2020 23:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 57      | 100   |       |        |
| 41      | 75.9  | 58.9  | 88.3   |
| 43      | 59.6  | 150.2 | 225.2# |
| 56      | 56.6  | 42.4  | 63.6   |





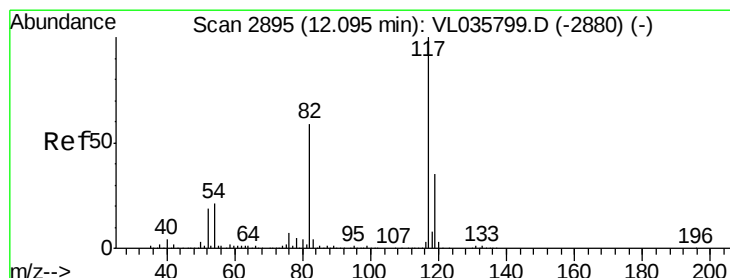
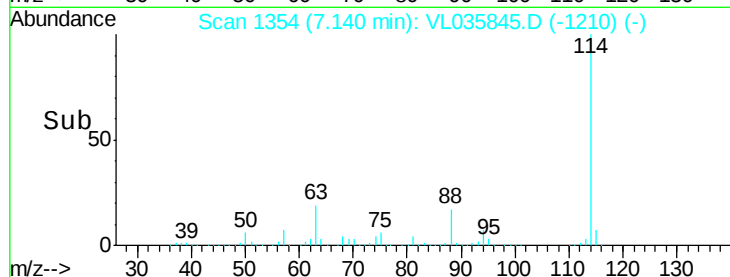
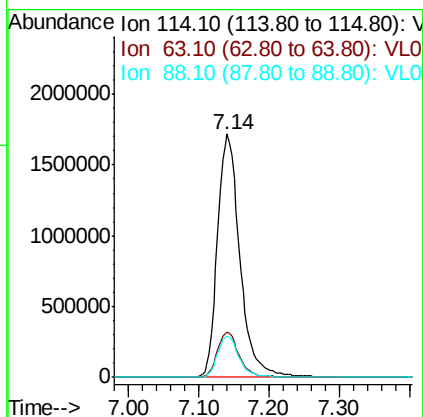
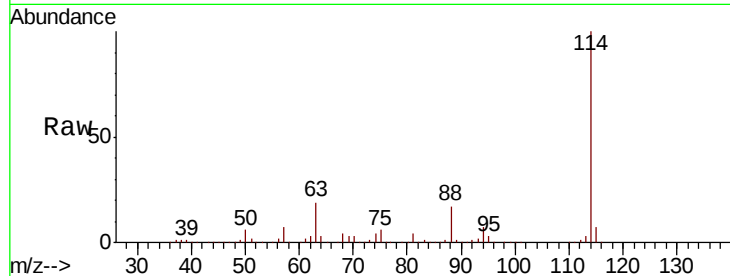
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.14 min Scan# 1354  
 Delta R.T. -0.04 min  
 Lab File: VL035845.D  
 Acq: 4 Nov 2020 23:20

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 IA1DL

Tot Ion:114 Resp: 3819222  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 16.1 24.1  
 88 16.5 13.7 20.5

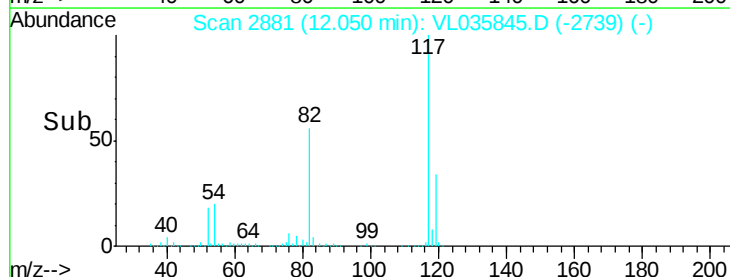
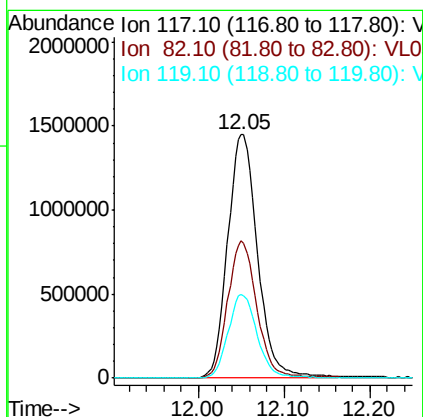
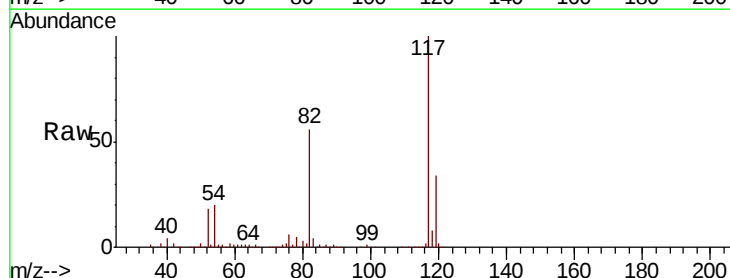
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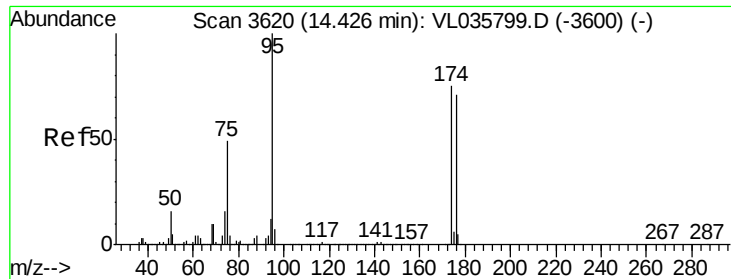
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#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.05 min Scan# 2881  
 Delta R.T. -0.04 min  
 Lab File: VL035845.D  
 Acq: 4 Nov 2020 23:20

Tgt Ion:117 Resp: 3502930  
 Ion Ratio Lower Upper  
 117 100  
 82 55.7 50.6 76.0  
 119 34.0 52.6 78.8#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.739 ppbv  
 RT: 14.38 min Scan# 3606  
 Delta R.T. -0.04 min  
 Lab File: VL035845.D  
 Acq: 4 Nov 2020 23:20

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.6  | 59.8  | 89.6  |
| 175     | 5.6   | 4.3   | 6.5   |

Manual Integrations  
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