

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\  
 Data File : VL036001.D  
 Acq On : 24 Nov 2020 19:50  
 Operator : SY/AP  
 Sample : OC112320 CAN 10267  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC112320 CAN 10267

Manual Integrations  
 APPROVED

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 11/27/2020 1:16:34 PM

Quant Time: Nov 25 00:53:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 0  
 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   | 1219043  | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 4257686  | 10.00 | ppbv  | -0.04    |
| 55) Chlorobenzene-d5    | 12.05 | 117  | 4052767  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 3104140  | 10.78    | ppbv | -0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 107.80% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------|------|------|----------|-------|-------|--------|
| 15) Acetone            | 3.85 | 43   | 25674    | 0.197 | ppbv  | # 1    |
| 20) Methylene Chloride | 4.32 | 84   | 30425    | 0.332 | ppbv  | 98     |
| 30) Cyclohexane        | 7.13 | 84   | 26476m   | 0.172 | ppbv  |        |

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

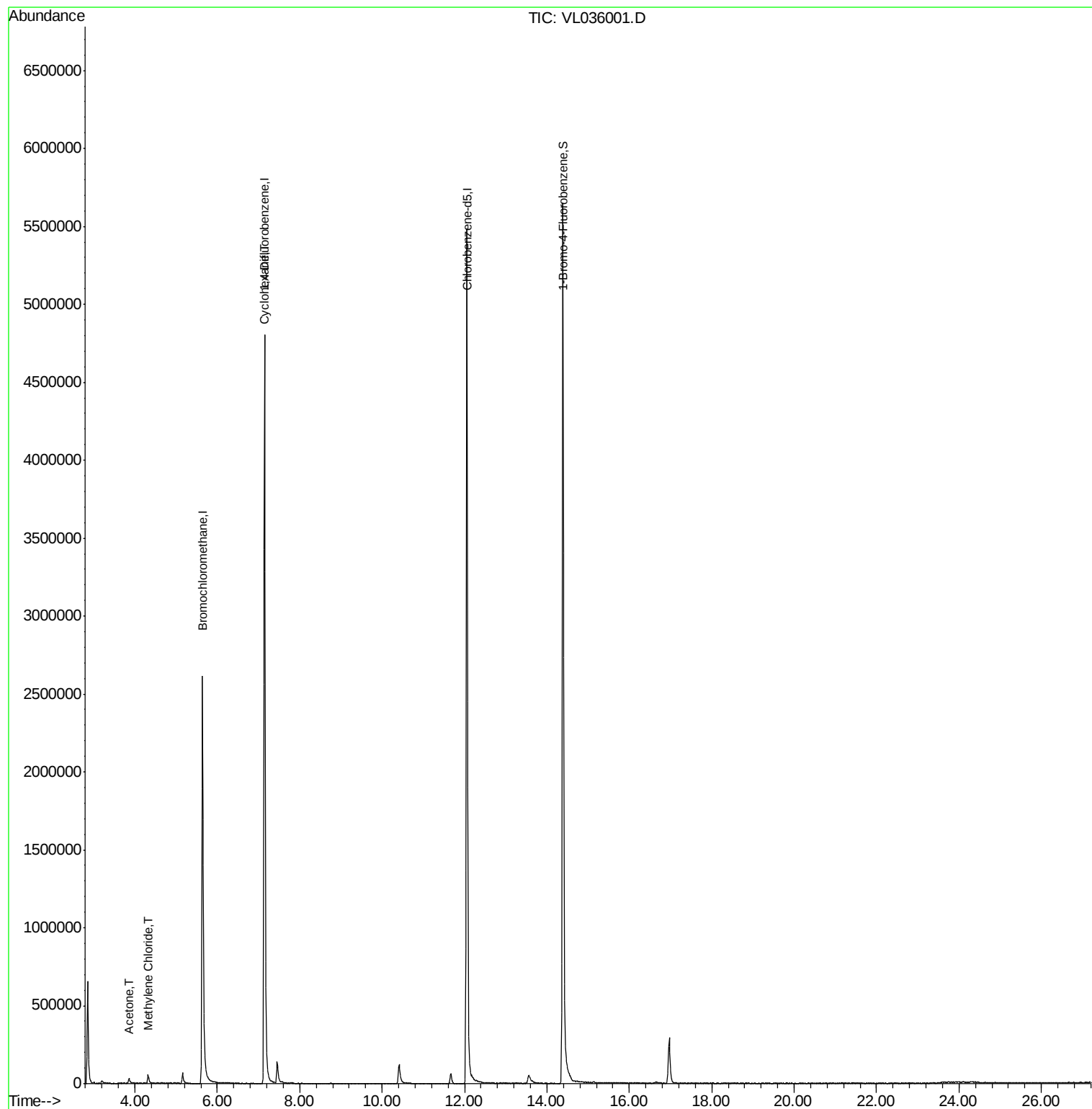
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112420\  
Data File : VL036001.D  
Acq On : 24 Nov 2020 19:50  
Operator : SY/AP  
Sample : OC112320 CAN 10267  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

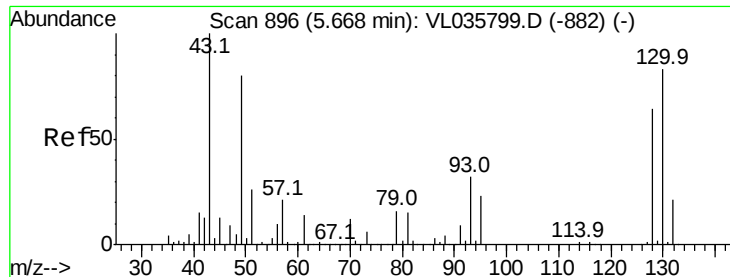
Instrument :  
MSVOA\_L  
ClientSampleId :  
QC112320 CAN 10267

Manual Integrations  
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11/27/2020 1:16:34 PM

Quant Time: Nov 25 00:53:57 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

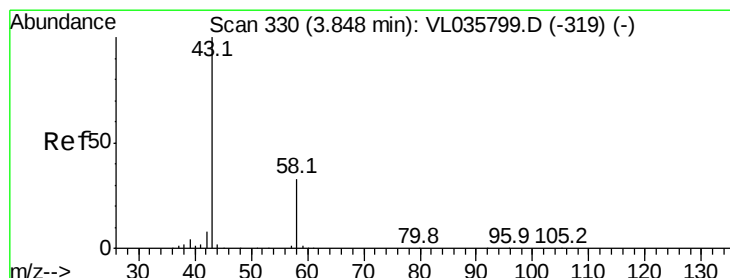
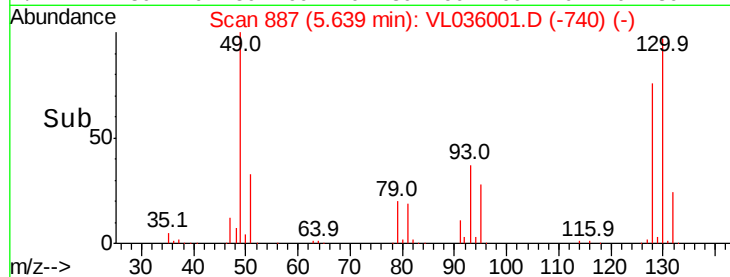
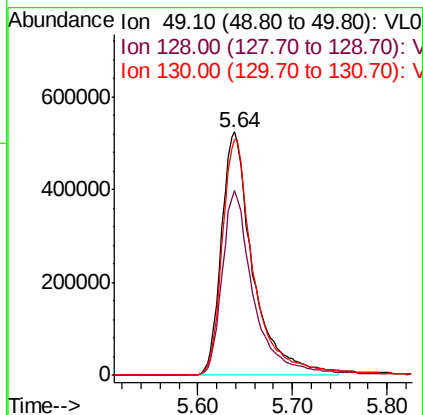
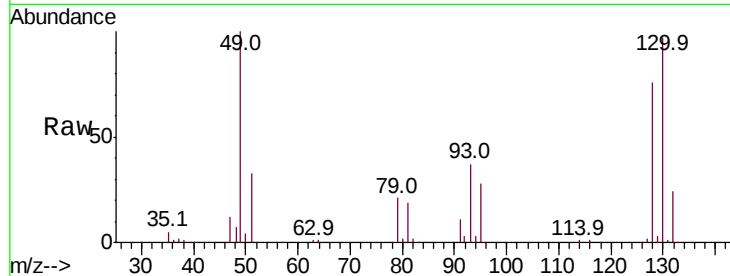
Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.64 min Scan# 887  
 Delta R.T. -0.03 min  
 Lab File: VL036001.D  
 Acq: 24 Nov 2020 19:50

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC112320 CAN 10267

Tot Ion: 49 Resp: 1219043  
 Ion Ratio Lower Upper  
 49 100  
 128 76.6 41.5 124.6  
 130 99.5 53.7 161.1

Manual Integrations  
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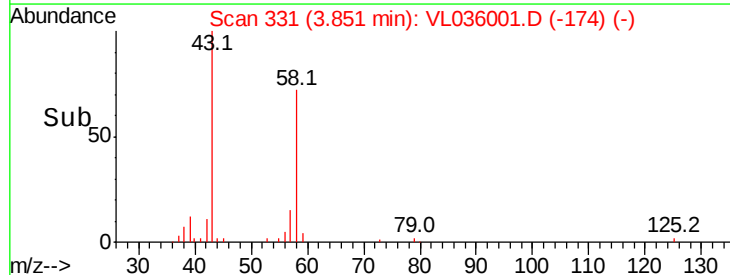
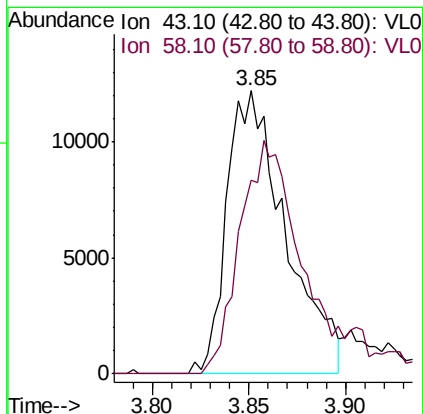
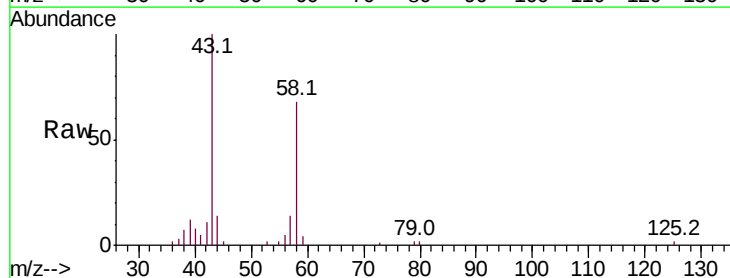
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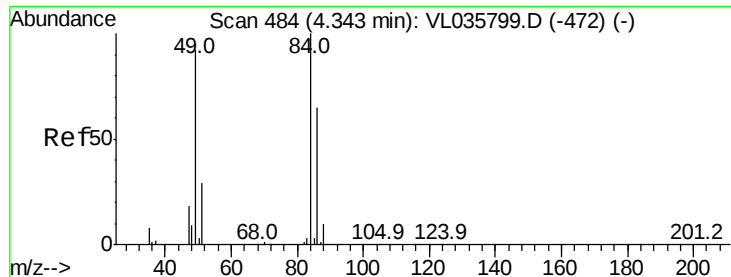


#15

Acetone  
 Concen: 0.197 ppbv  
 RT: 3.85 min Scan# 331  
 Delta R.T. 0.00 min  
 Lab File: VL036001.D  
 Acq: 24 Nov 2020 19:50

Tgt Ion: 43 Resp: 25674  
 Ion Ratio Lower Upper  
 43 100  
 58 96.8 27.5 41.3#





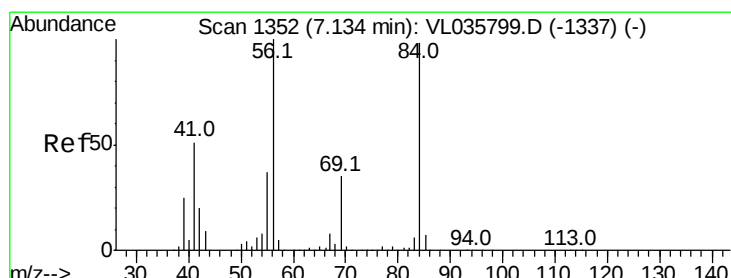
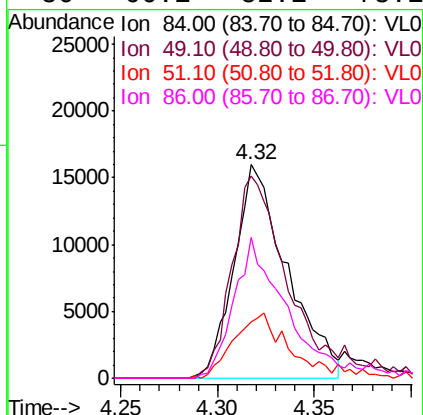
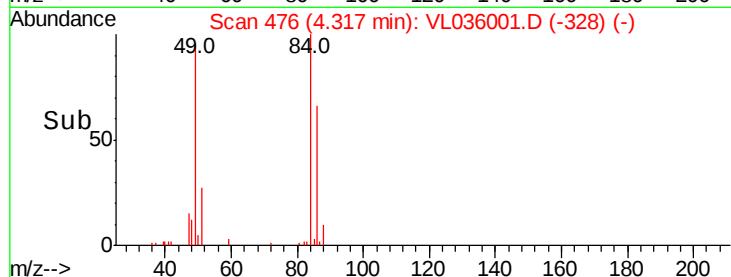
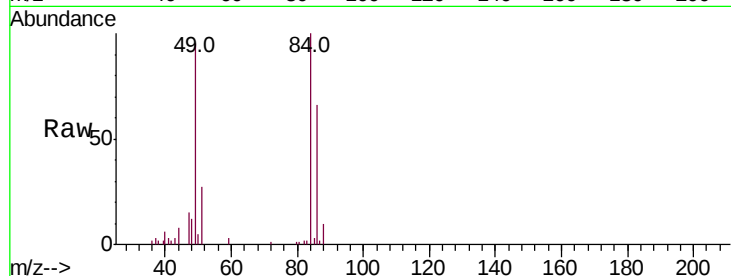
#20  
Methvlene Chloride  
Concen: 0.332 ppbv  
RT: 4.32 min Scan# 476  
Delta R.T. -0.03 min  
Lab File: VL036001.D  
Acq: 24 Nov 2020 19:50

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC112320 CAN 10267

| Tot Ion | 84    | Resp  | 30425 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 84      | 100   |       |       |
| 49      | 95.0  | 73.8  | 110.8 |
| 51      | 26.6  | 23.0  | 34.4  |
| 86      | 66.1  | 52.1  | 78.1  |

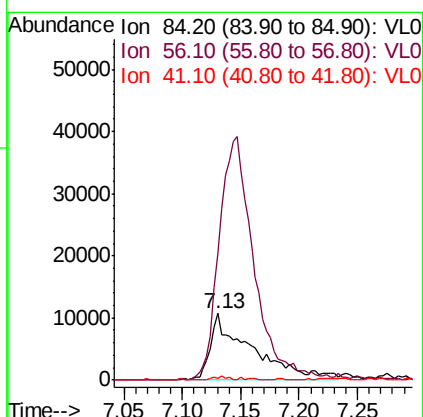
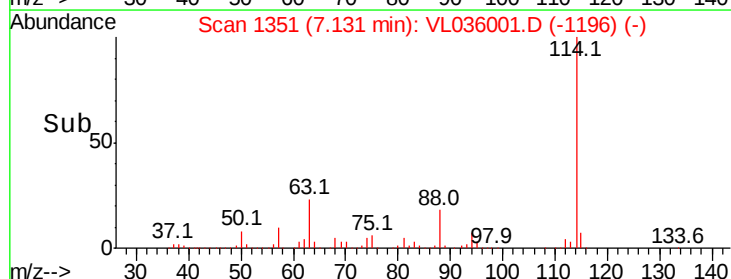
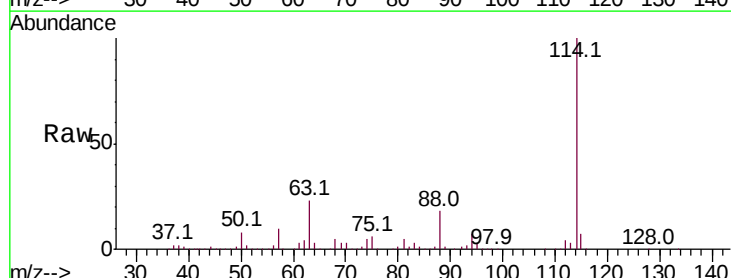
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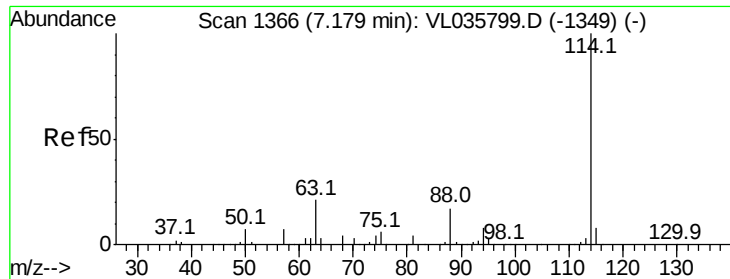
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#30  
Cyclohexane  
Concen: 0.172 ppbv m  
RT: 7.13 min Scan# 1351  
Delta R.T. -0.00 min  
Lab File: VL036001.D  
Acq: 24 Nov 2020 19:50

| Tgt Ion | 84    | Resp  | 26476  |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 84      | 100   |       |        |
| 56      | 0.0   | 86.4  | 129.6# |
| 41      | 0.0   | 42.1  | 63.1#  |





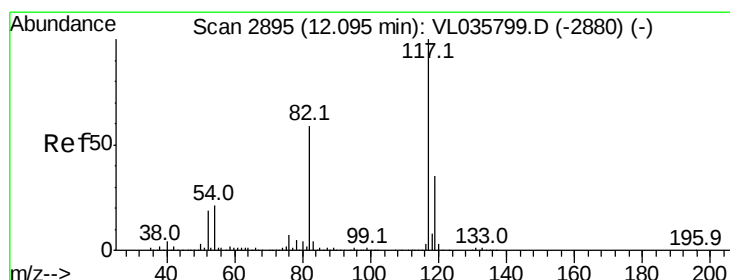
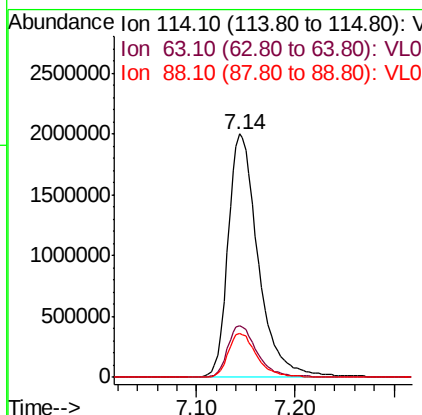
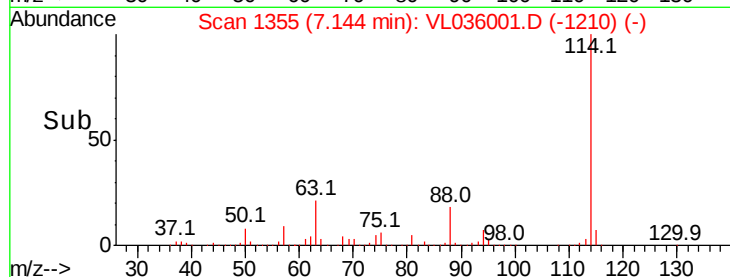
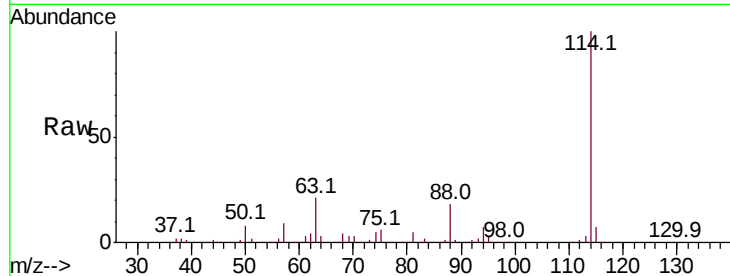
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.14 min Scan# 1355  
 Delta R.T. -0.04 min  
 Lab File: VL036001.D  
 Acq: 24 Nov 2020 19:50

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC112320 CAN 10267

Tot Ion:114 Resp: 4257686  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 16.1 24.1  
 88 17.6 13.7 20.5

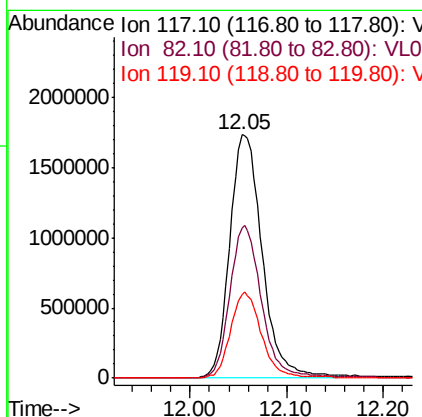
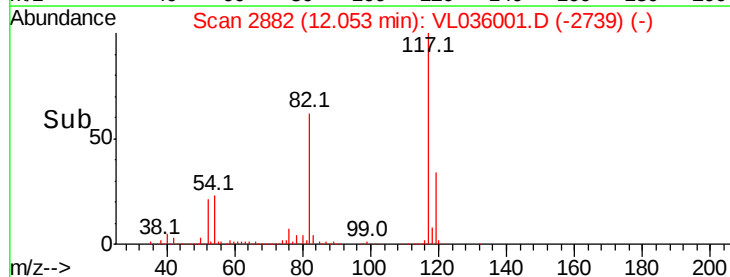
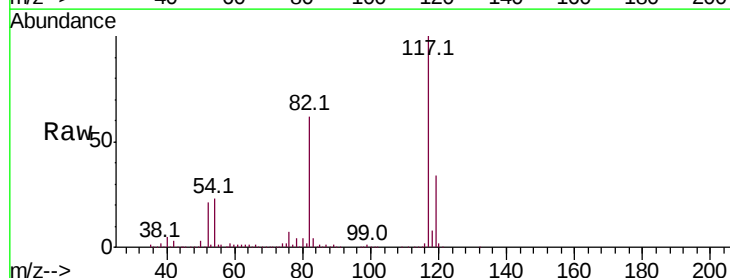
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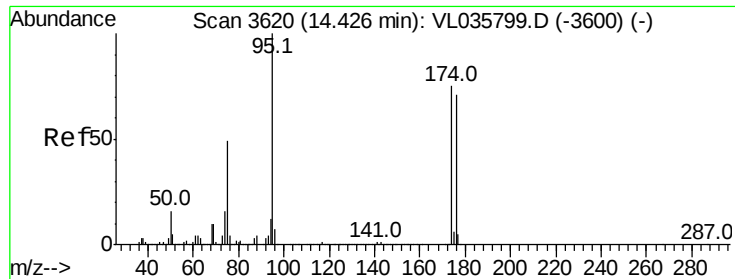
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#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.05 min Scan# 2882  
 Delta R.T. -0.04 min  
 Lab File: VL036001.D  
 Acq: 24 Nov 2020 19:50

Tgt Ion:117 Resp: 4052767  
 Ion Ratio Lower Upper  
 117 100  
 82 62.2 50.6 76.0  
 119 34.2 52.6 78.8#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.781 ppbv  
 RT: 14.39 min Scan# 3608  
 Delta R.T. -0.04 min  
 Lab File: VL036001.D  
 Acq: 24 Nov 2020 19:50

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC112320 CAN 10267

Tot Ion: 95 Resp: 3104140  
 Ion Ratio Lower Upper  
 95 100  
 174 70.4 59.8 89.6  
 175 5.0 4.3 6.5

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