

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\  
 Data File : VL035034.D  
 Acq On : 15 May 2020 00:44  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

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 5/18/2020 1:35:19 PM

Quant Time: May 15 05:42:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 0  
 QLast Update : Wed May 06 14:49:39 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| 1) Bromochloromethane       | 5.65   | 49    | 1018225  | 10.00    | ppbv  | -0.01       |
| 33) 1,4-Difluorobenzene     | 7.17   | 114   | 2369783  | 10.00    | ppbv  | -0.02       |
| 55) Chlorobenzene-d5        | 12.10  | 117   | 2259442  | 10.00    | ppbv  | -0.02       |
| System Monitoring Compounds |        |       |          |          |       |             |
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1951573  | 10.67    | ppbv  | -0.02       |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 106.70%     |
| Target Compounds            |        |       |          |          |       |             |
| 15) Acetone                 | 3.84   | 43    | 22719    | 0.169    | ppbv  | Ovalue # 69 |
| 52) Tetrachloroethene       | 11.24  | 164   | 5791m    | 0.083    | ppbv  |             |

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

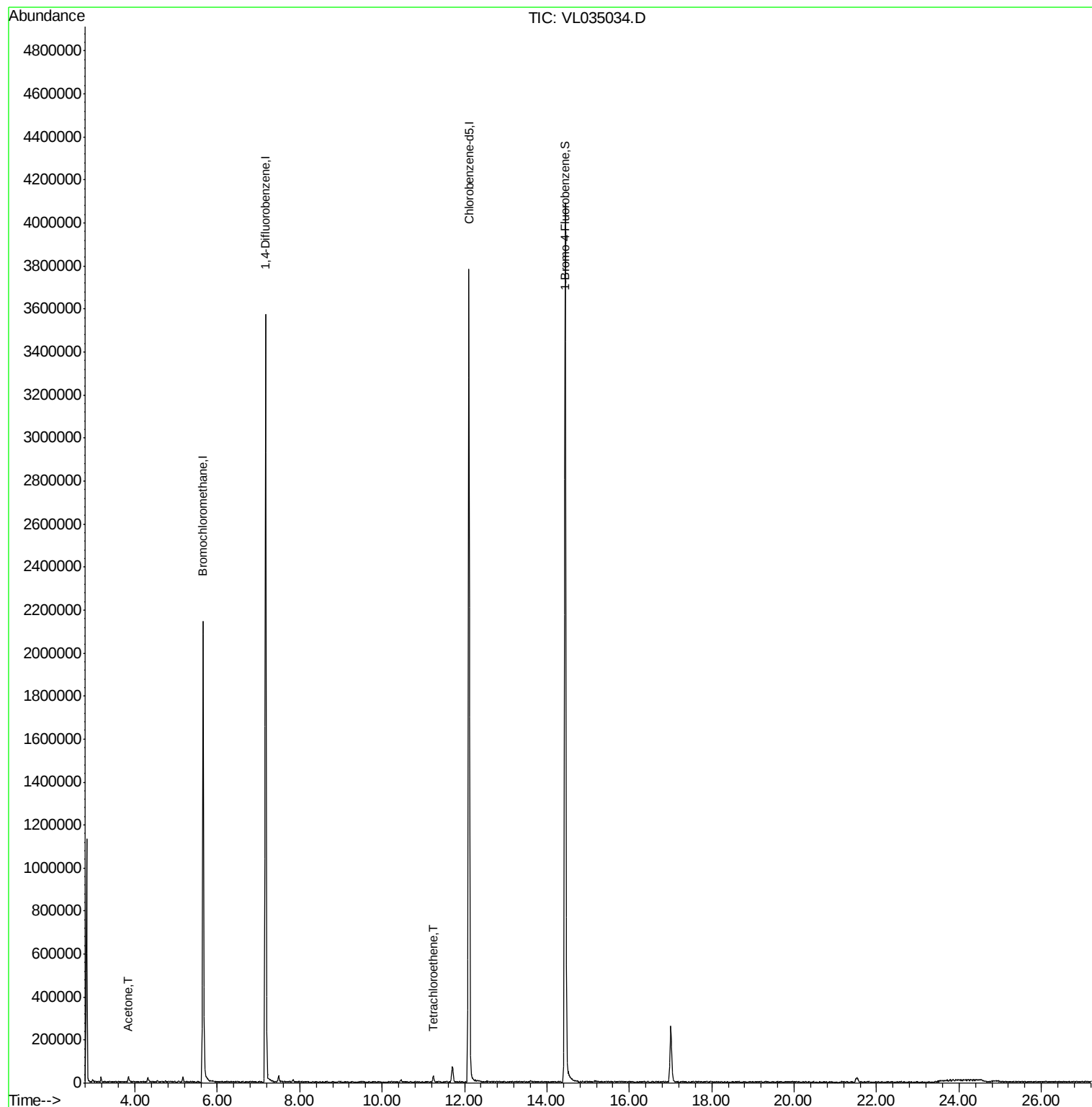
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\  
Data File : VL035034.D  
Acq On : 15 May 2020 00:44  
Operator : SY/AP  
Sample : VIBLK  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

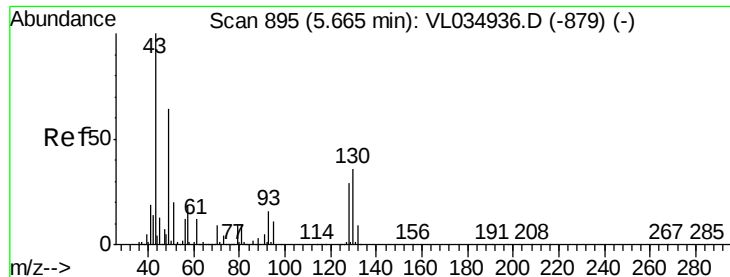
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Manual Integrations  
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Quant Time: May 15 05:42:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed May  
QLast Update : Wed May 06 14:49:39 2020  
Response via : Initial Calibration





#1

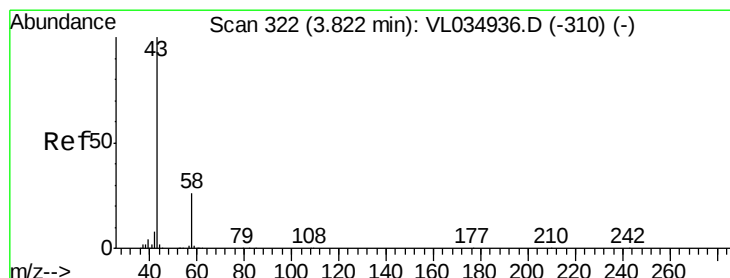
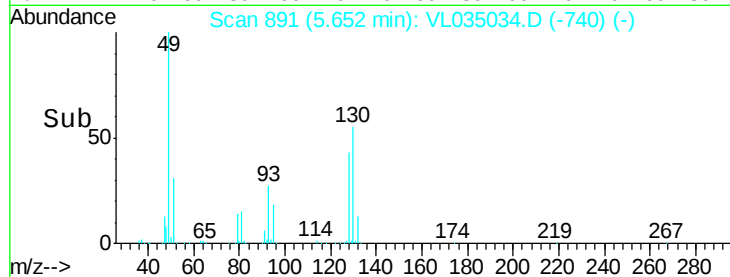
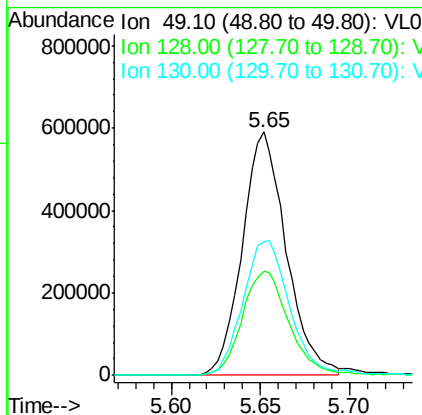
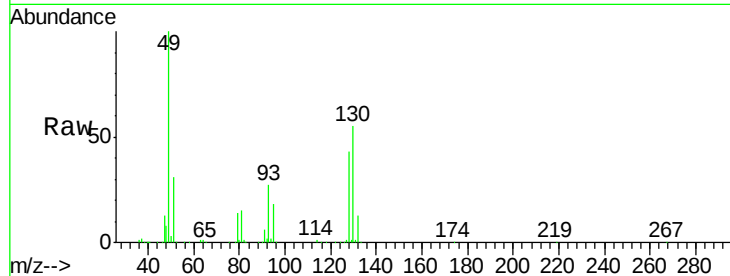
Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.65 min Scan# 891  
 Delta R.T. -0.01 min  
 Lab File: VL035034.D  
 Acq: 15 May 2020 00:44

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 VIBLK

Tot Ion: 49 Resp: 1018225  
 Ion Ratio Lower Upper  
 49 100  
 128 46.2 22.1 66.5  
 130 59.9 29.1 87.3

Manual Integrations  
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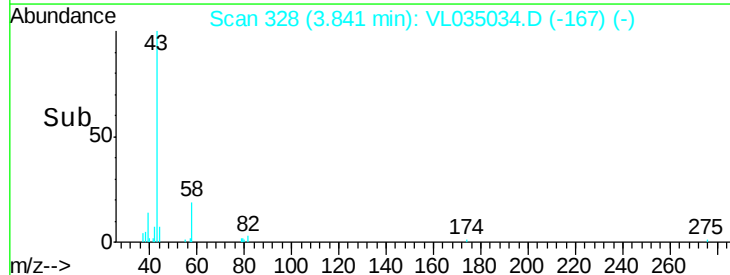
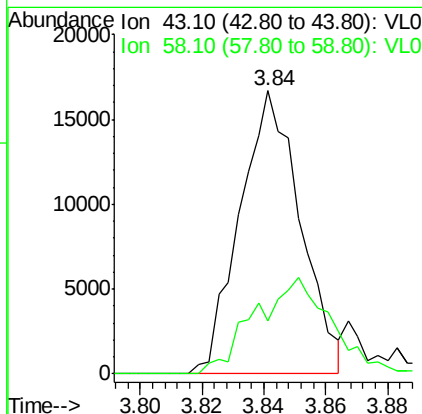
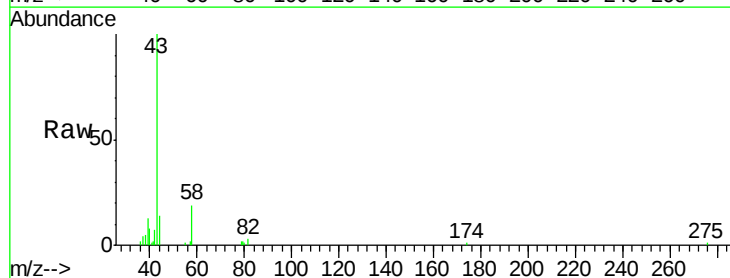
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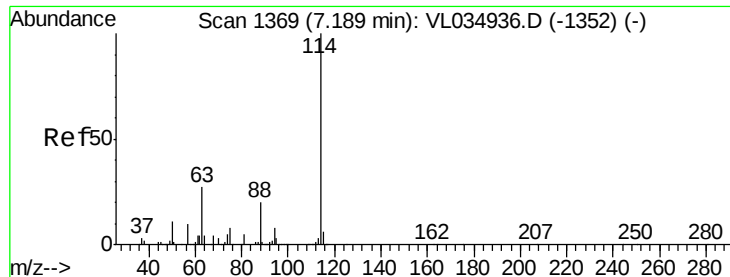


#15

Acetone  
 Concen: 0.169 ppbv  
 RT: 3.84 min Scan# 328  
 Delta R.T. 0.02 min  
 Lab File: VL035034.D  
 Acq: 15 May 2020 00:44

Tgt Ion: 43 Resp: 22719  
 Ion Ratio Lower Upper  
 43 100  
 58 43.1 21.7 32.5#





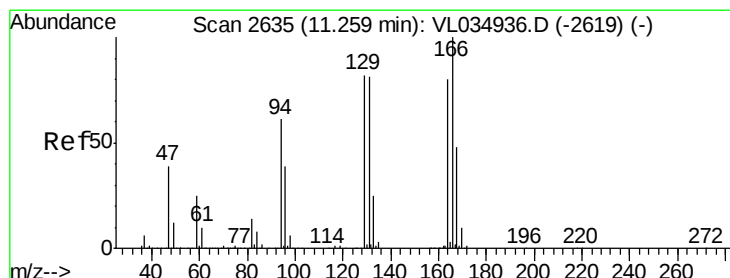
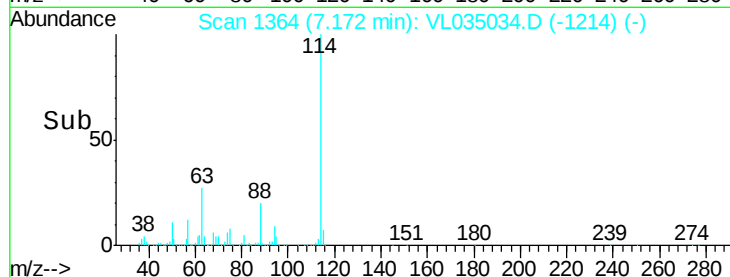
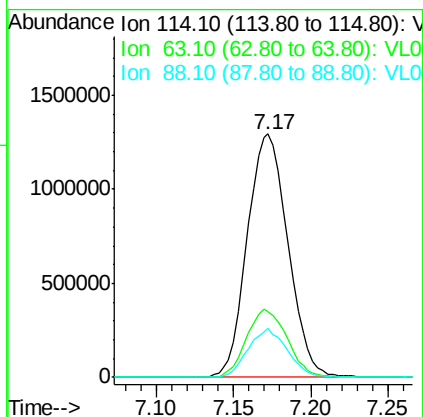
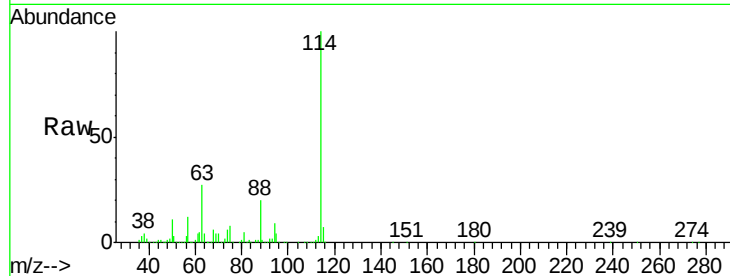
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min Scan# 1364  
 Delta R.T. -0.02 min  
 Lab File: VL035034.D  
 Acq: 15 May 2020 00:44

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Tot Ion:114 Resp: 2369783  
 Ion Ratio Lower Upper  
 114 100  
 63 28.1 22.2 33.4  
 88 19.4 15.5 23.3

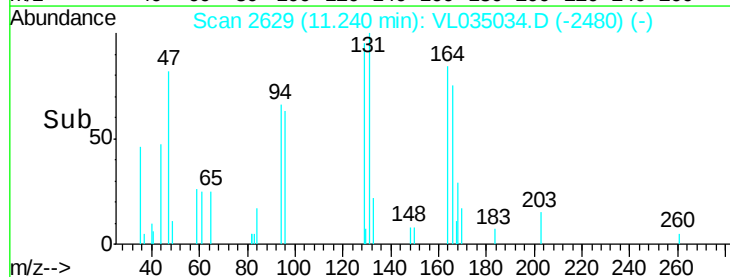
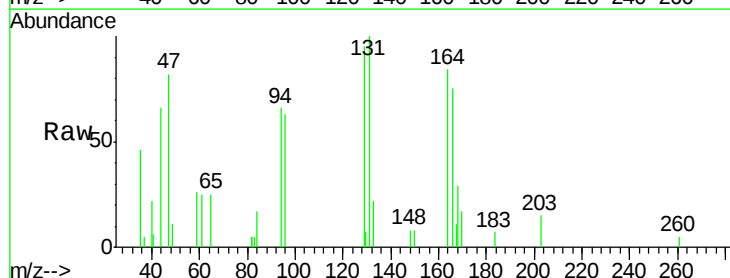
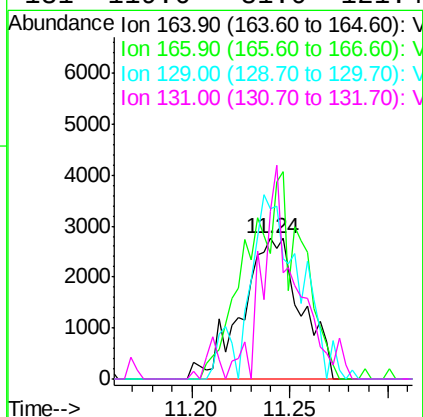
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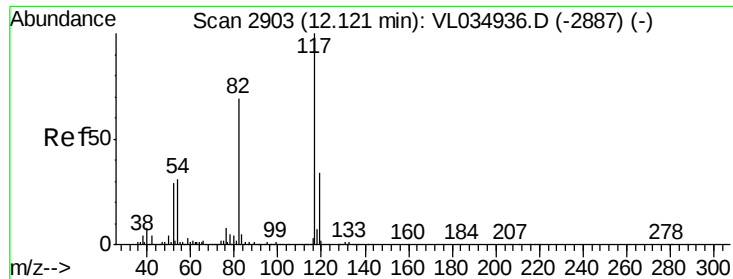
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#52  
 Tetrachloroethene  
 Concen: 0.083 ppbv m  
 RT: 11.24 min Scan# 2629  
 Delta R.T. -0.02 min  
 Lab File: VL035034.D  
 Acq: 15 May 2020 00:44

Tgt Ion:164 Resp: 5791  
 Ion Ratio Lower Upper  
 164 100  
 166 89.6 100.7 151.1#  
 129 113.4 83.0 124.4  
 131 119.6 81.0 121.4





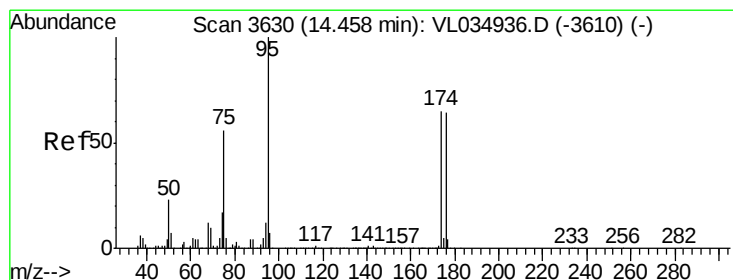
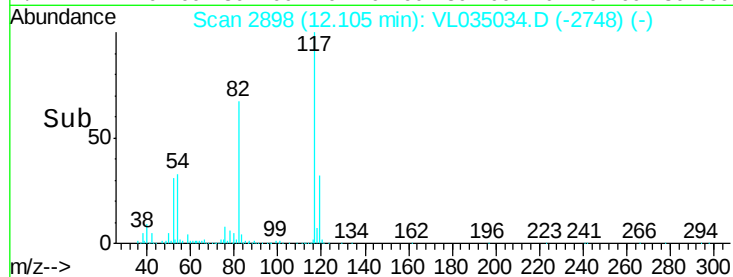
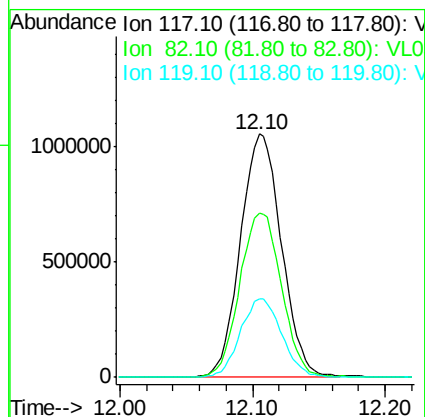
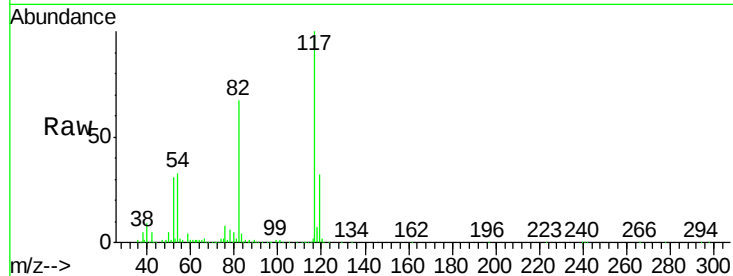
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.10 min Scan# 2898  
Delta R.T. -0.02 min  
Lab File: VL035034.D  
Acq: 15 May 2020 00:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Tot Ion:117 Resp: 2259442  
Ion Ratio Lower Upper  
117 100  
82 69.2 53.1 79.7  
119 32.6 26.7 40.1

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.671 ppbv  
RT: 14.44 min Scan# 3625  
Delta R.T. -0.02 min  
Lab File: VL035034.D  
Acq: 15 May 2020 00:44

Tgt Ion: 95 Resp: 1951573  
Ion Ratio Lower Upper  
95 100  
174 63.0 51.5 77.3  
175 4.6 3.8 5.8

