

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL102418\  
 Data File : VL032687.D  
 Acq On : 24 Oct 2018 14:52  
 Operator : SY/AP  
 Sample : VL1024ABL01  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1024ABL01

Manual Integrations  
 APPROVED

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 10/26/2018 3:39:37 PM

Quant Time: Oct 25 05:31:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL101818AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Oct 25 05:31:05 2018  
 QLast Update : Thu Oct 25 05:15:43 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1494614  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3617034  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 3533851  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.59  | 95    | 2700477  | 10.26    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.60% |

| Target Compounds | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------|------|------|----------|-------|-------|--------|
| 15) Acetone      | 3.94 | 43   | 33481m   | 0.243 | ppbv  |        |

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

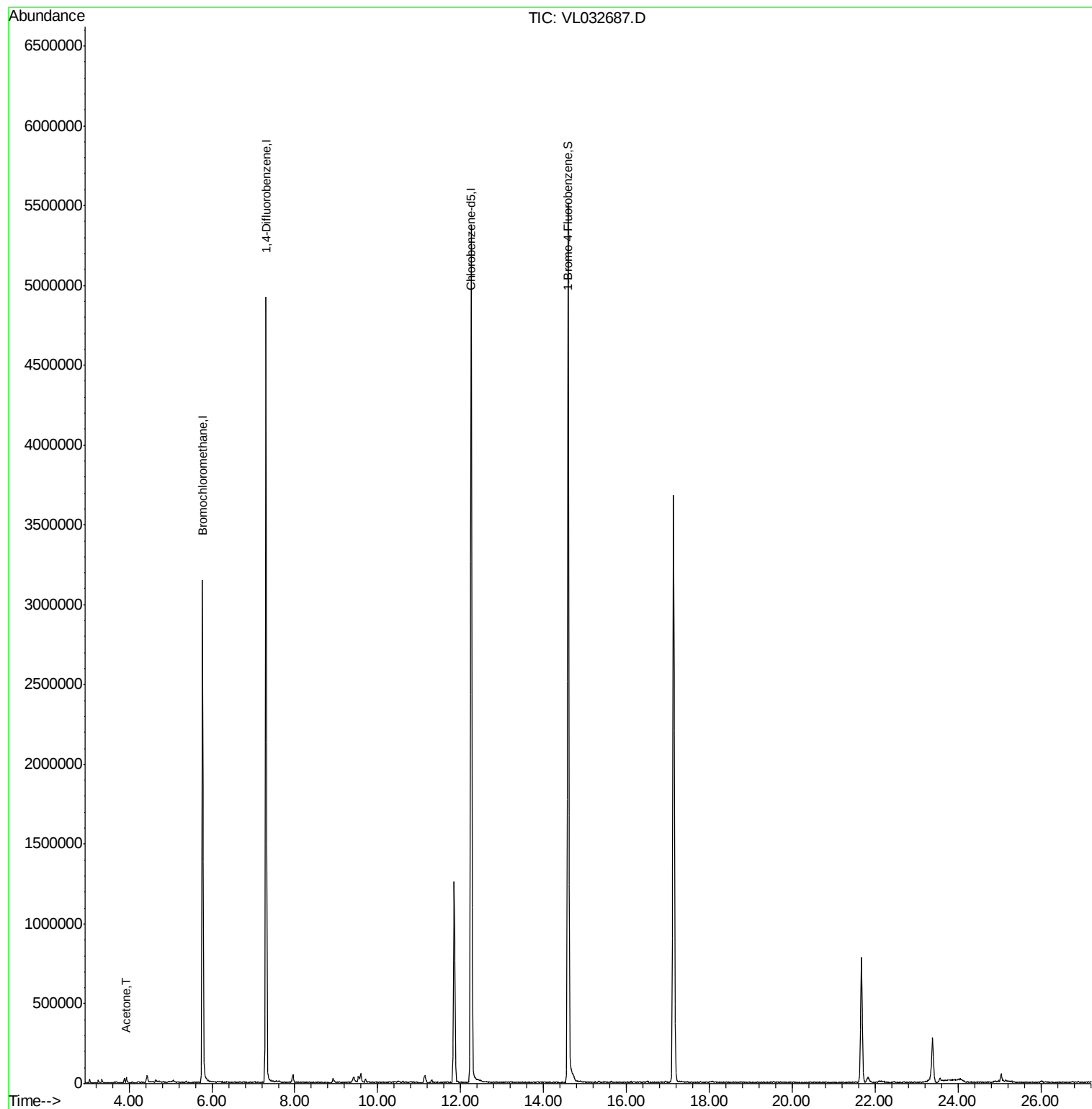
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL102418\  
Data File : VL032687.D  
Acq On : 24 Oct 2018 14:52  
Operator : SY/AP  
Sample : VL1024ABL01  
Misc : 400ml/MSVOA\_L  
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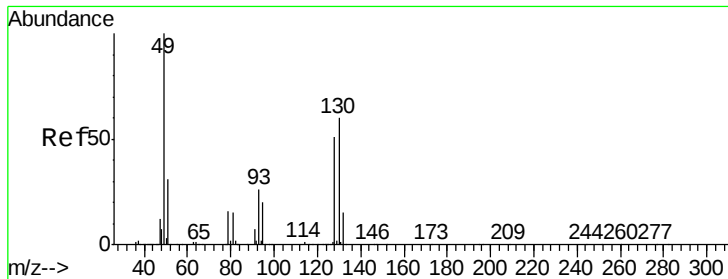
Instrument :  
MSVOA\_L  
ClientSampleId :  
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Quant Time: Oct 25 05:31:05 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL101818AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Oct  
QLast Update : Thu Oct 25 05:15:43 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032687.D

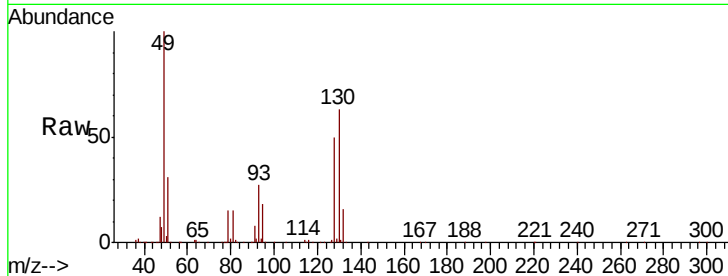
Acq: 24 Oct 2018 14:52

Instrument :

MSVOA\_L

ClientSampleId :

VL1024ABL01



Tgt Ion: 49 Resp: 1494614

Ion Ratio Lower Upper

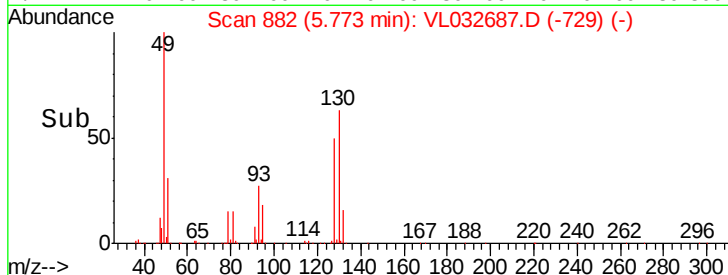
49 100

128 49.7 22.3 66.8

130 63.9 28.4 85.3

Manual Integrations  
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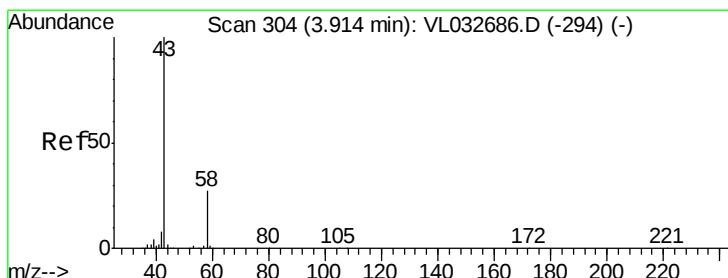
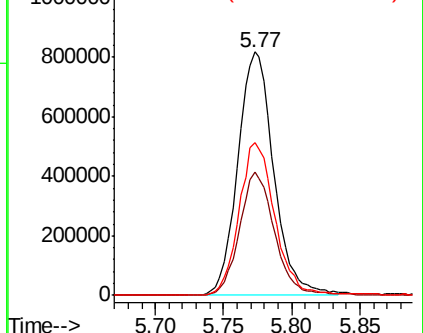
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.243 ppbv m

RT: 3.94 min Scan# 311

Delta R.T. 0.03 min

Lab File: VL032687.D

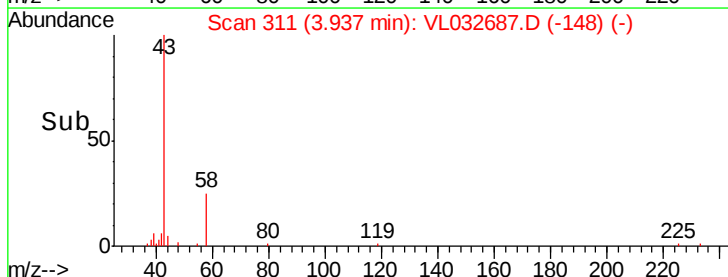
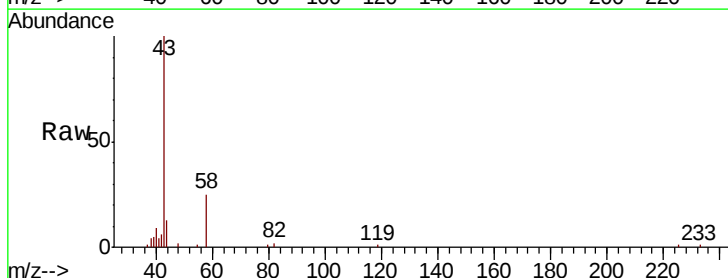
Acq: 24 Oct 2018 14:52

Tgt Ion: 43 Resp: 33481

Ion Ratio Lower Upper

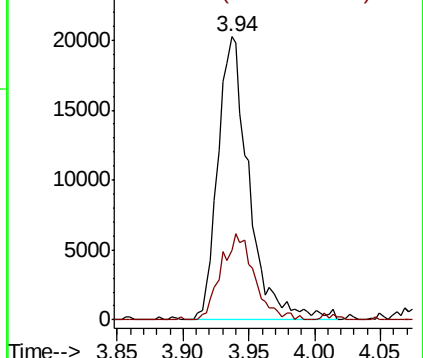
43 100

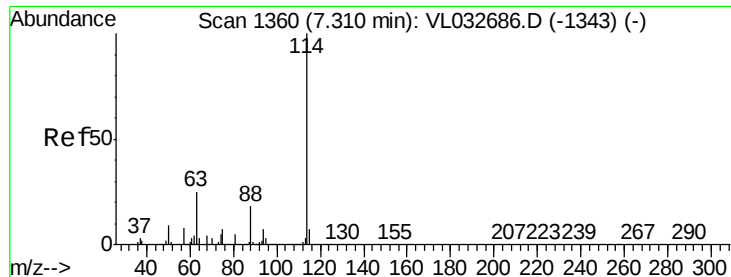
58 32.4 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





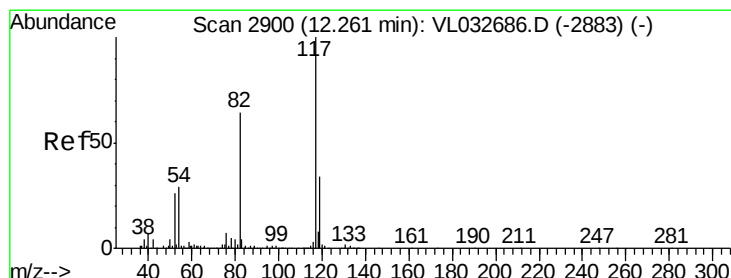
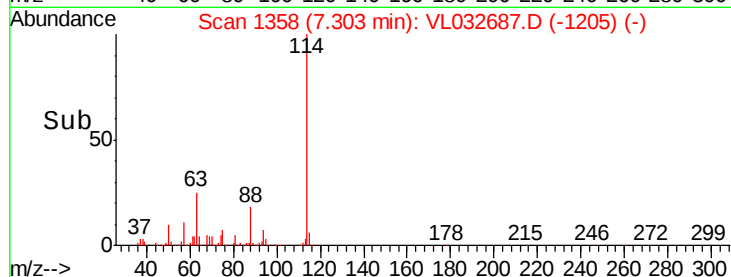
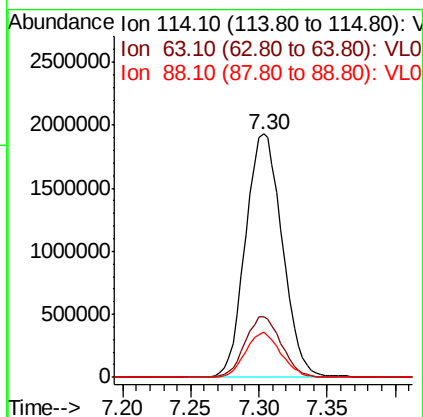
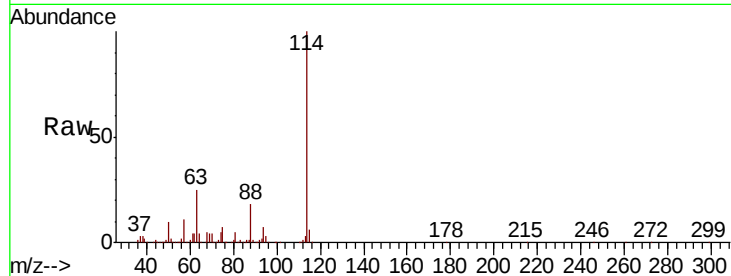
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.30 min Scan# 1358  
 Delta R.T. -0.01 min  
 Lab File: VL032687.D  
 Acq: 24 Oct 2018 14:52

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1024ABL01

Tgt Ion:114 Resp: 3617034  
 Ion Ratio Lower Upper  
 114 100  
 63 24.8 21.7 32.5  
 88 17.9 14.9 22.3

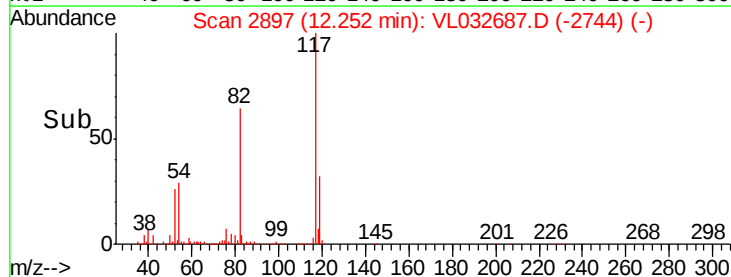
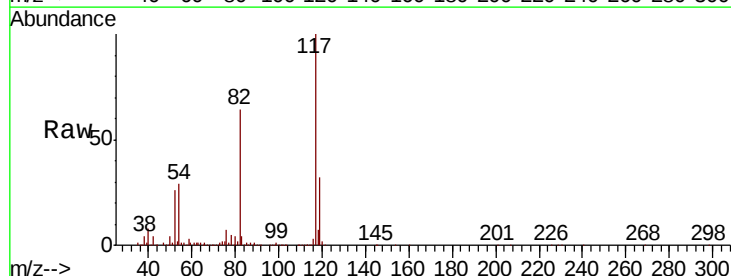
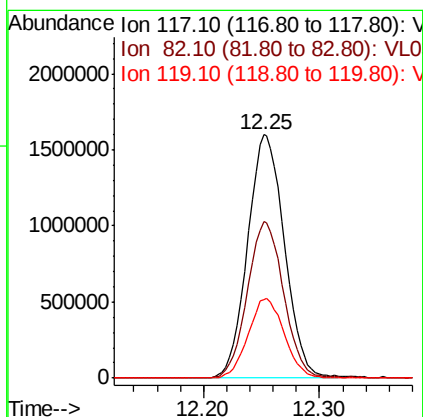
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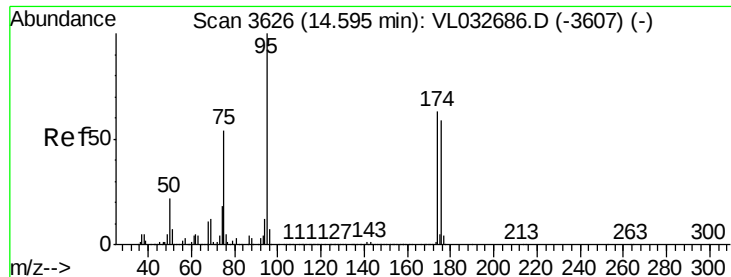
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#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.25 min Scan# 2897  
 Delta R.T. -0.01 min  
 Lab File: VL032687.D  
 Acq: 24 Oct 2018 14:52

Tgt Ion:117 Resp: 3533851  
 Ion Ratio Lower Upper  
 117 100  
 82 63.8 52.7 79.1  
 119 32.5 26.7 40.1





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.263 ppbv  
 RT: 14.59 min Scan# 3625  
 Delta R.T. -0.00 min  
 Lab File: VL032687.D  
 Acq: 24 Oct 2018 14:52

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1024ABL01

Tgt Ion: 95 Resp: 2700477  
 Ion Ratio Lower Upper  
 95 100  
 174 64.7 46.0 69.0  
 175 4.6 3.4 5.0

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