

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\  
 Data File : VL035914.D  
 Acq On : 12 Nov 2020 15:23  
 Operator : SY/AP  
 Sample : L4618-05DL 4X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SSSG-2DL

Manual Integrations  
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Quant Time: Nov 13 09:19:35 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   | 5.66  | 49   | 1224512  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 4222019  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3969709  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2910902  | 10.32    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.20% |

| Target Compounds      | R.T.  | QIon | Response | Conc    | Units | Ovalue |
|-----------------------|-------|------|----------|---------|-------|--------|
| 9) Propene            | 3.02  | 41   | 247393m  | 4.609   | ppbv  |        |
| 13) Ethanol           | 3.62  | 45   | 7132285  | 612.541 | ppbv  | 97     |
| 15) Acetone           | 3.84  | 43   | 847674   | 6.475   | ppbv  | 98     |
| 52) Tetrachloroethene | 11.22 | 164  | 18833m   | 0.127   | ppbv  |        |
| 53) Toluene           | 9.81  | 91   | 129723   | 0.343   | ppbv  | 98     |

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

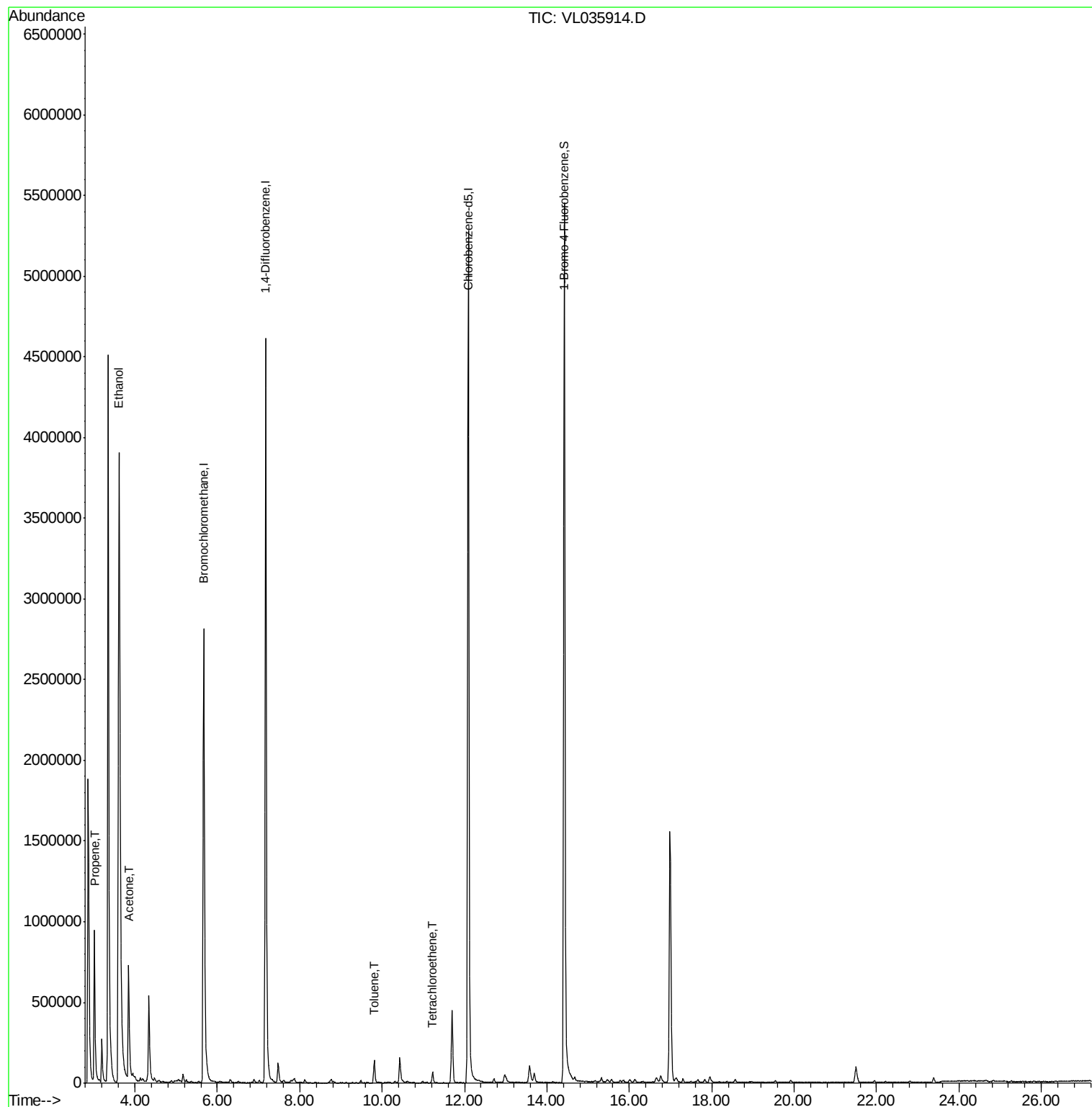
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111220\  
Data File : VL035914.D  
Acq On : 12 Nov 2020 15:23  
Operator : SY/AP  
Sample : L4618-05DL 4X  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

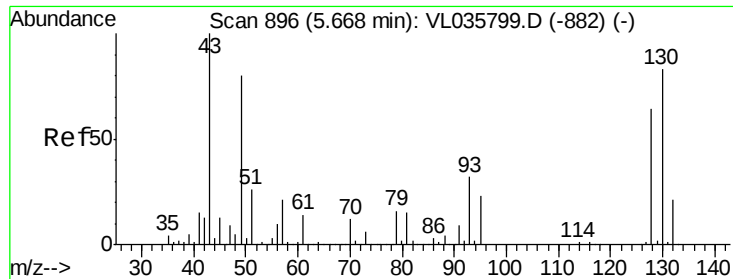
Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-2DL

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Quant Time: Nov 13 09:19:35 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: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035914.D

Acq: 12 Nov 2020 15:23

Instrument :

MSVOA\_L

ClientSampleId :

SSSG-2DL

Tot Ion: 49 Resp: 1224512

Ion Ratio Lower Upper

49 100

128 76.5 41.5 124.6

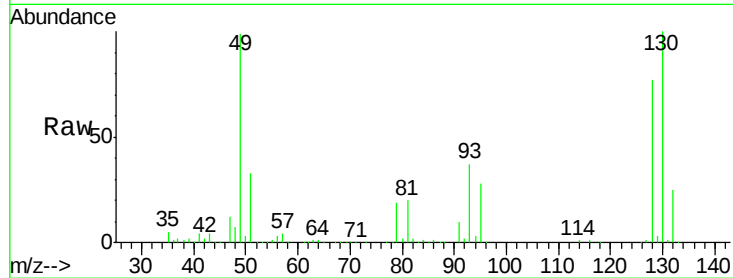
130 98.6 53.7 161.1

Manual Integrations

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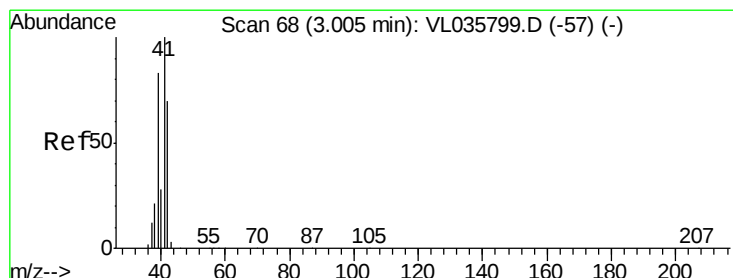
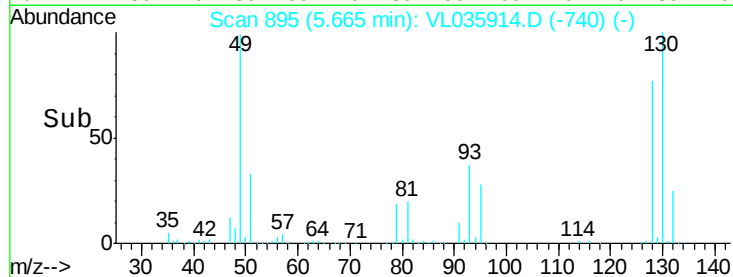
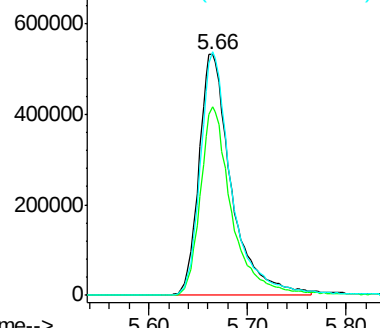
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 4.609 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035914.D

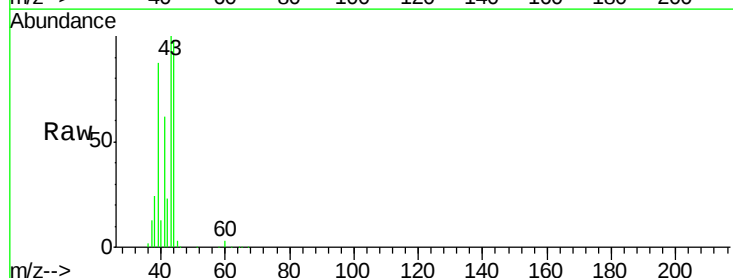
Acq: 12 Nov 2020 15:23

Tgt Ion: 41 Resp: 247393

Ion Ratio Lower Upper

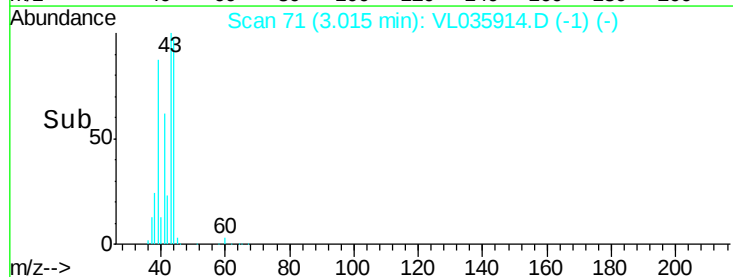
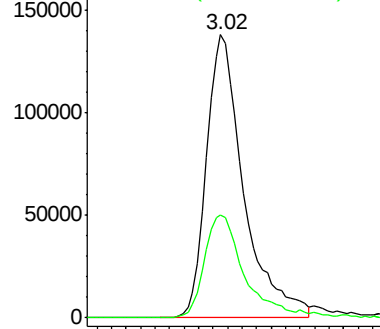
41 100

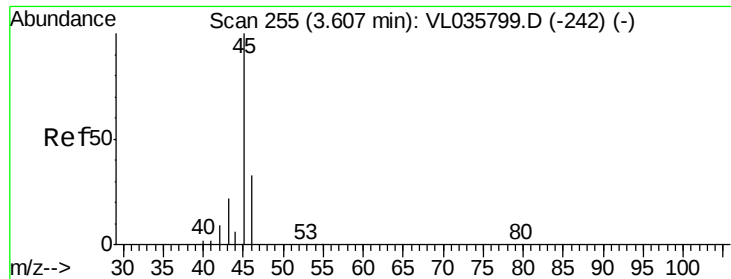
42 23.9 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 612.541 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035914.D

Acq: 12 Nov 2020 15:23

Instrument :

MSVOA\_L

ClientSampleId :

SSSG-2DL

Tot Ion: 45 Resp: 7132285

Ion Ratio Lower Upper

45 100

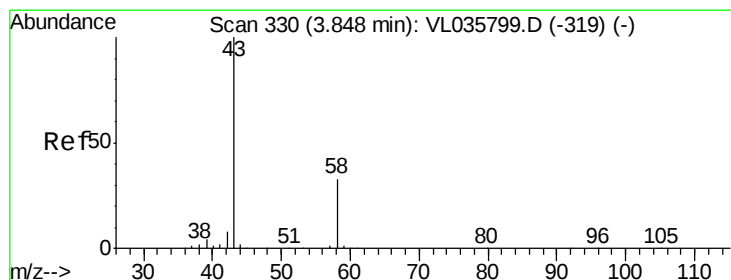
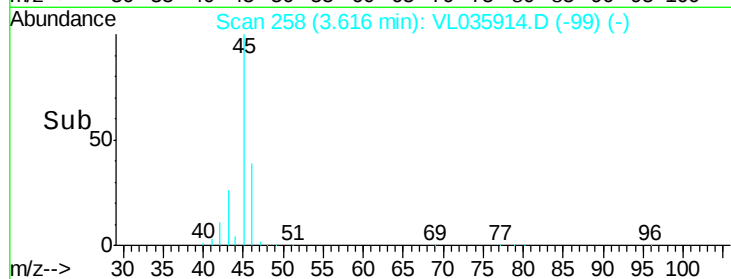
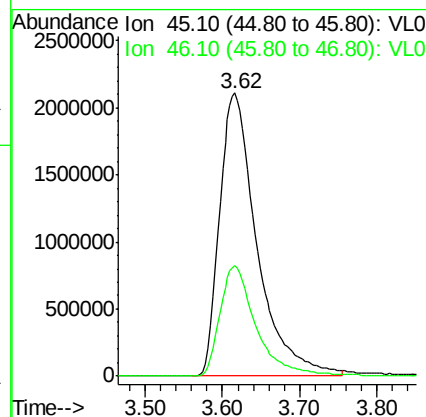
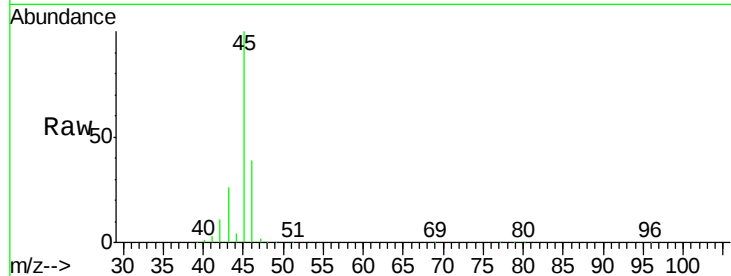
46 38.3 16.1 64.5

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#15

Acetone

Concen: 6.475 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035914.D

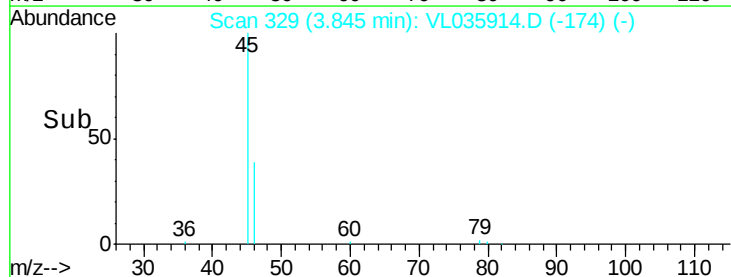
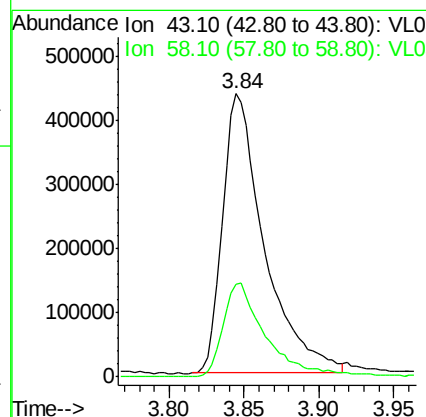
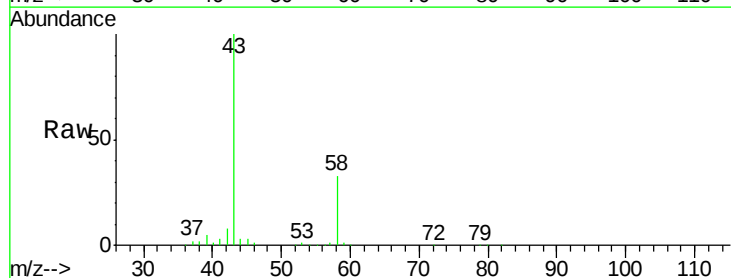
Acq: 12 Nov 2020 15:23

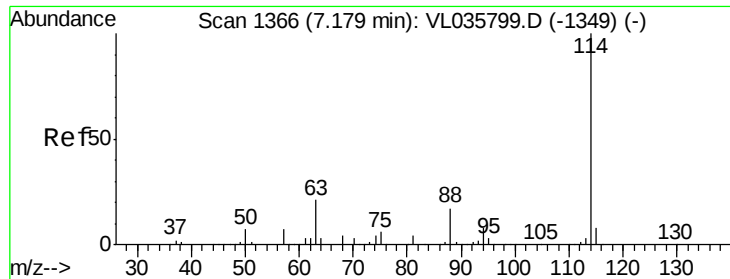
Tgt Ion: 43 Resp: 847674

Ion Ratio Lower Upper

43 100

58 35.5 27.5 41.3





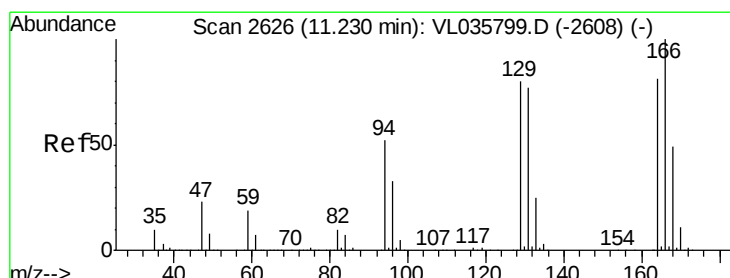
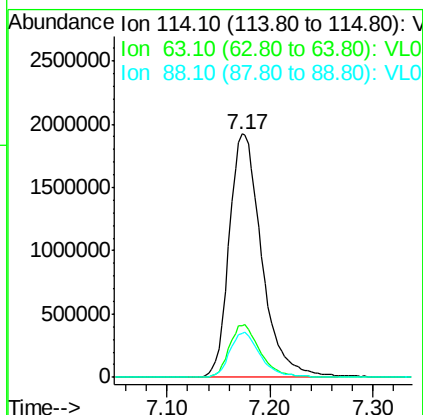
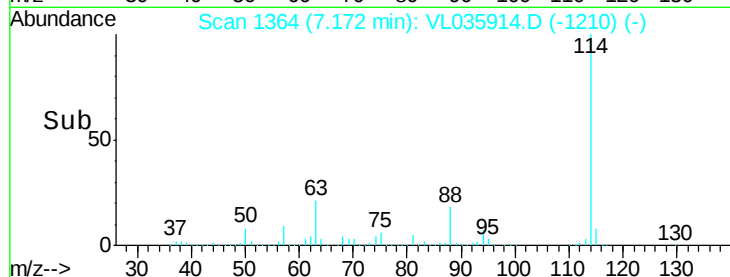
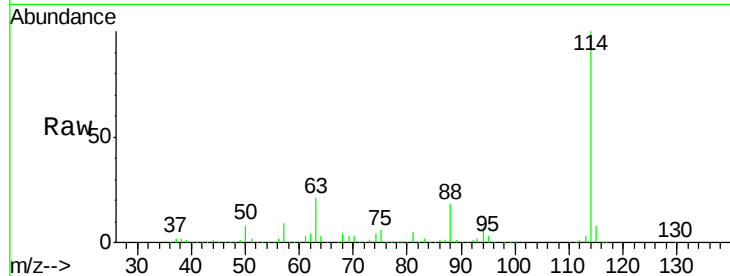
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: VL035914.D  
 Acq: 12 Nov 2020 15:23

Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 SSSG-2DL

Tot Ion:114 Resp: 4222019  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 16.1 24.1  
 88 17.7 13.7 20.5

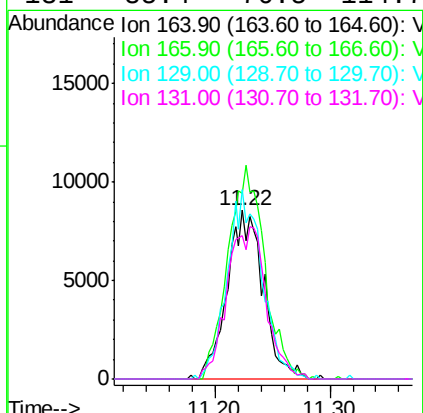
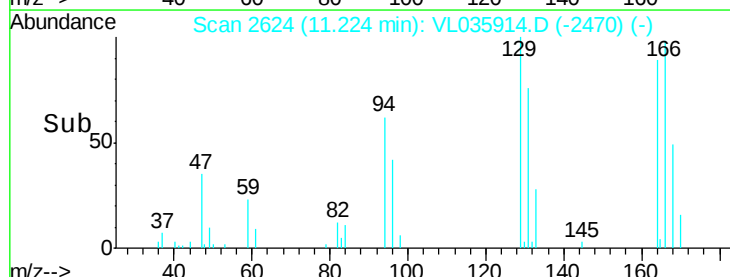
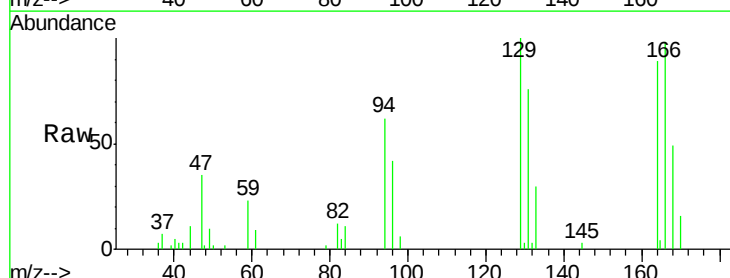
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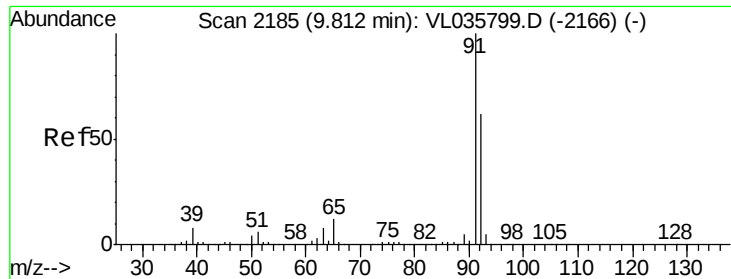
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#52  
 Tetrachloroethene  
 Concen: 0.127 ppbv m  
 RT: 11.22 min Scan# 2624  
 Delta R.T. -0.01 min  
 Lab File: VL035914.D  
 Acq: 12 Nov 2020 15:23

Tgt Ion:164 Resp: 18833  
 Ion Ratio Lower Upper  
 164 100  
 166 110.1 99.3 148.9  
 129 112.3 79.3 118.9  
 131 85.4 76.5 114.7





#53

Toluene

Concen: 0.343 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL035914.D

Acq: 12 Nov 2020 15:23

Instrument :

MSVOA\_L

ClientSampleId :

SSSG-2DL

Tot Ion: 91 Resp: 129723

Ion Ratio Lower Upper

91 100

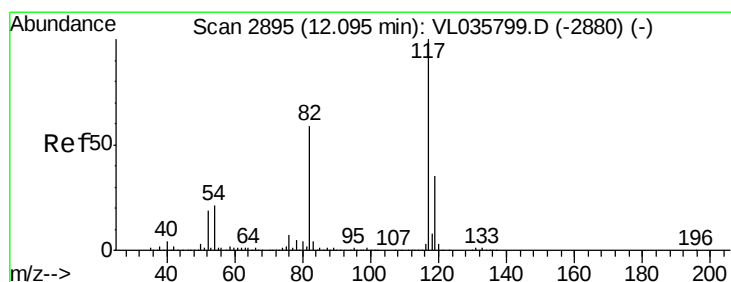
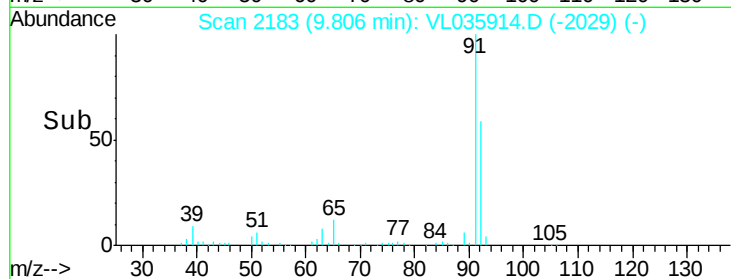
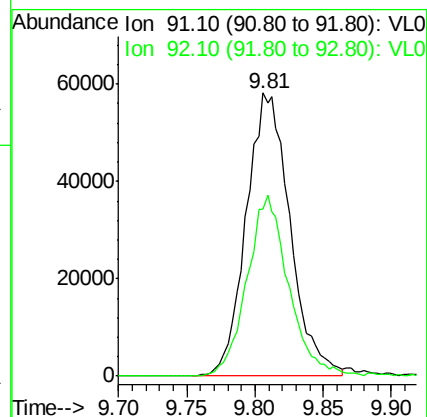
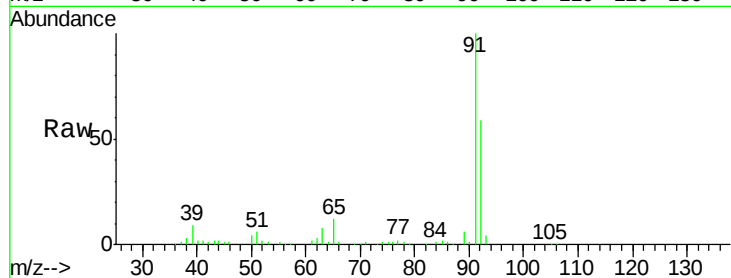
92 61.0 49.8 74.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL035914.D

Acq: 12 Nov 2020 15:23

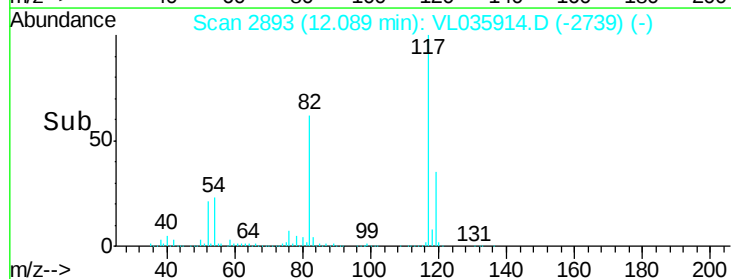
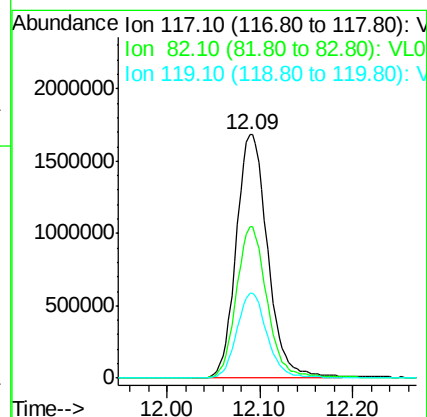
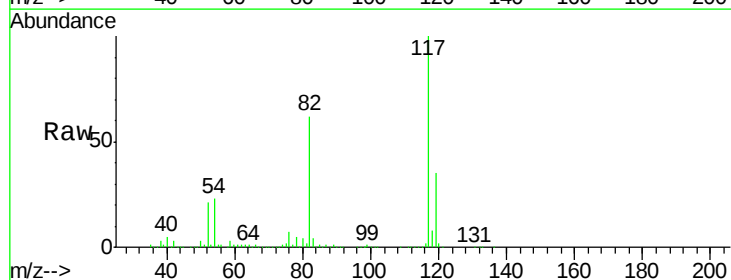
Tgt Ion: 117 Resp: 3969709

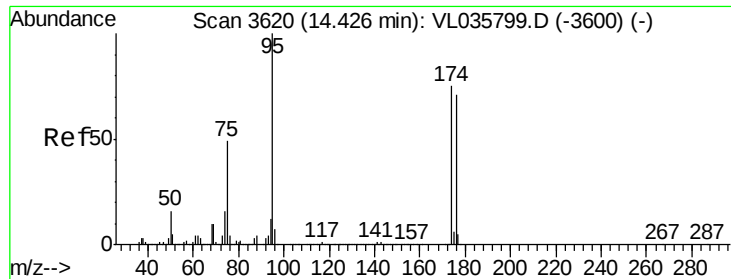
Ion Ratio Lower Upper

117 100

82 61.3 50.6 76.0

119 34.1 52.6 78.8#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.321 ppbv  
 RT: 14.42 min Scan# 3619  
 Delta R.T. -0.00 min  
 Lab File: VL035914.D  
 Acq: 12 Nov 2020 15:23

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SSSG-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.4  | 59.8  | 89.6  |
| 175     | 5.1   | 4.3   | 6.5   |

Manual Integrations  
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