

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041319\

Data File : VW009969.D

Acq On : 13 Apr 2019 17:54

Operator : SY/VA

Sample : K2303-03RE

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 21:50:32 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 13 21:30:51 2019

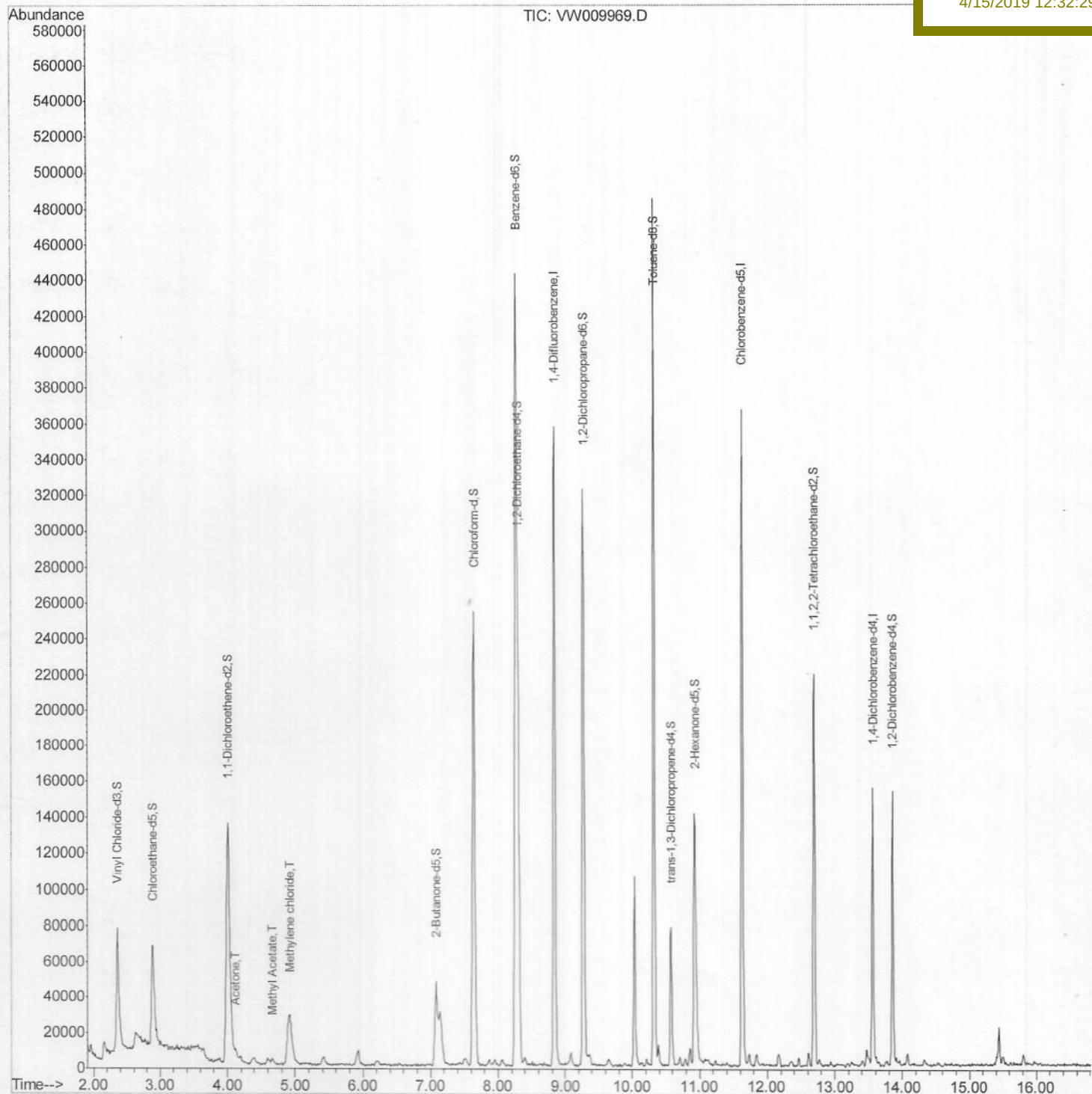
Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampled :

BF898RE

Manual Integrations  
APPROVEDMMDadoda  
4/15/2019 12:32:29 AM

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Data File : VW009969.D

Acq On : 13 Apr 2019 17:54

Operator : SY/VA

Sample : K2303-03RE

Misc : 5.00G/10ML/MSVOA W/SOIL

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 21:34:02 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 13 21:30:51 2019

Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampled :

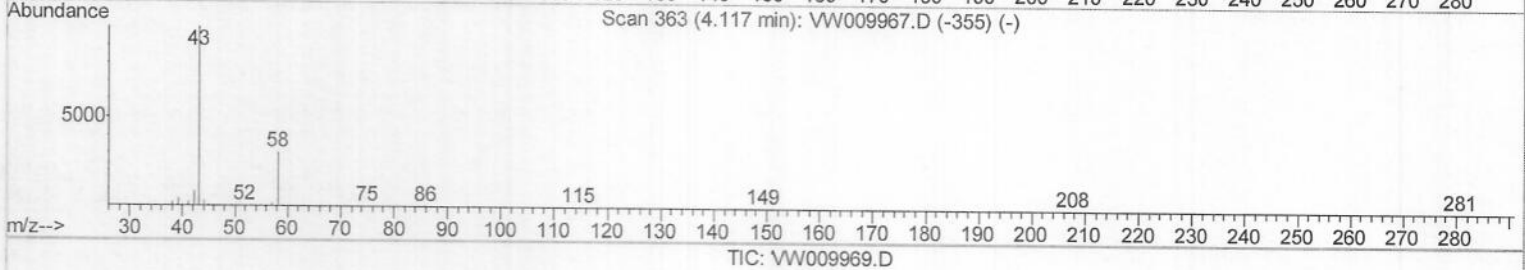
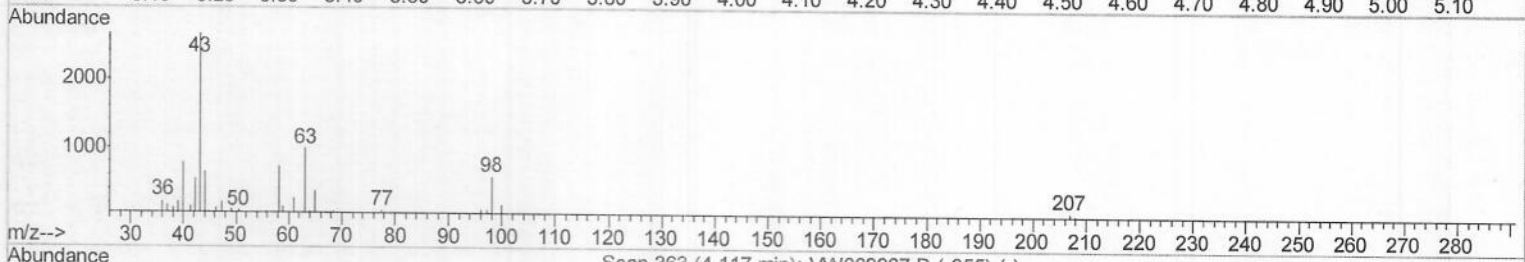
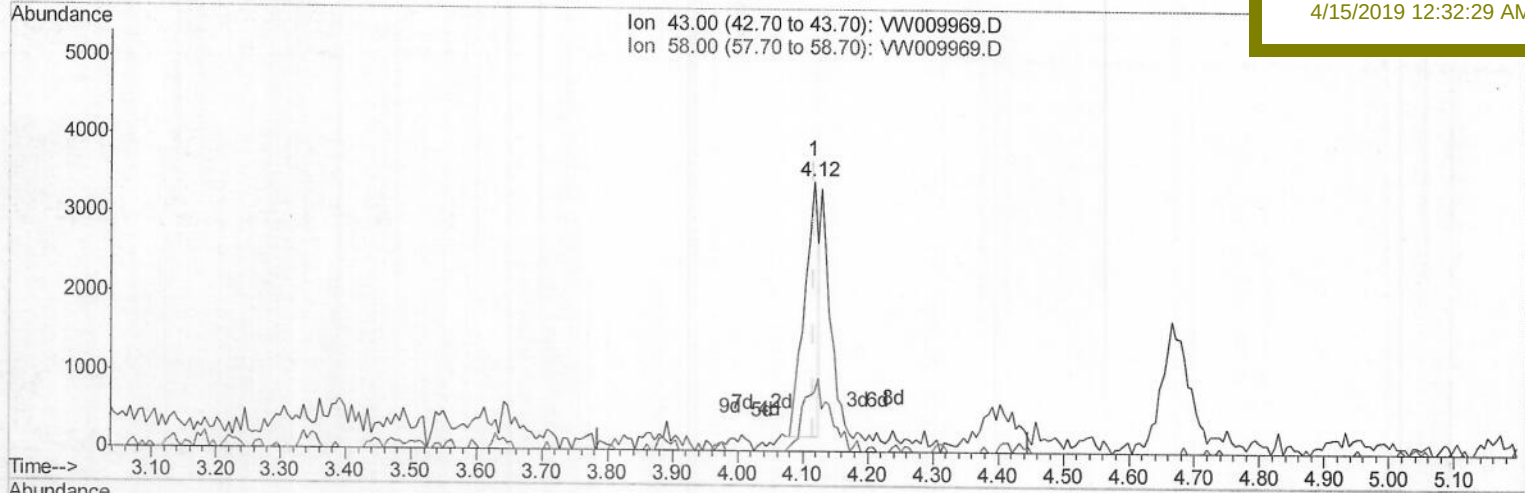
BF898RE

Manual Integrations

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4/15/2019 12:32:29 AM



(13) Acetone (T)

4.117min (-0.000) 3.84ug/L

response 4770

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 26.50 | 35.20 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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QLast Update : Sat Apr 13 21:30:51 2019

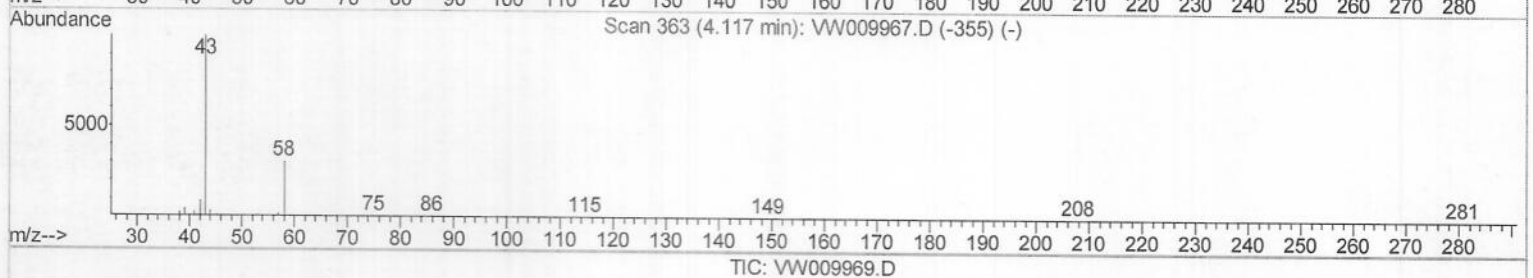
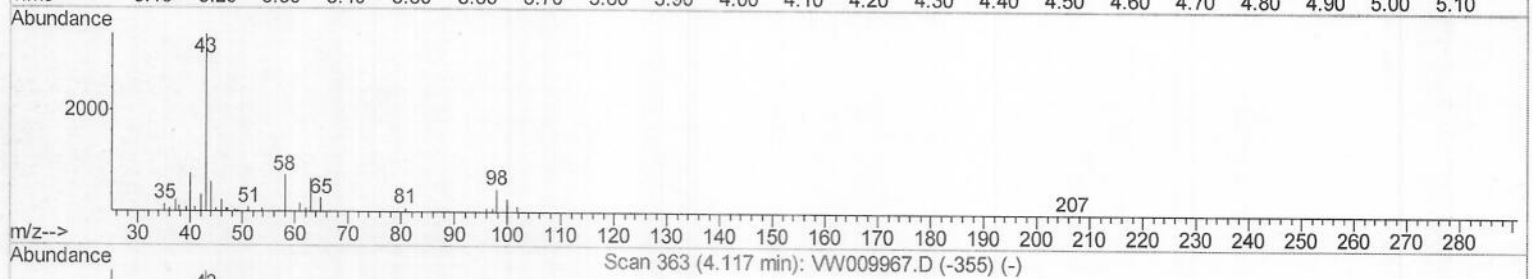
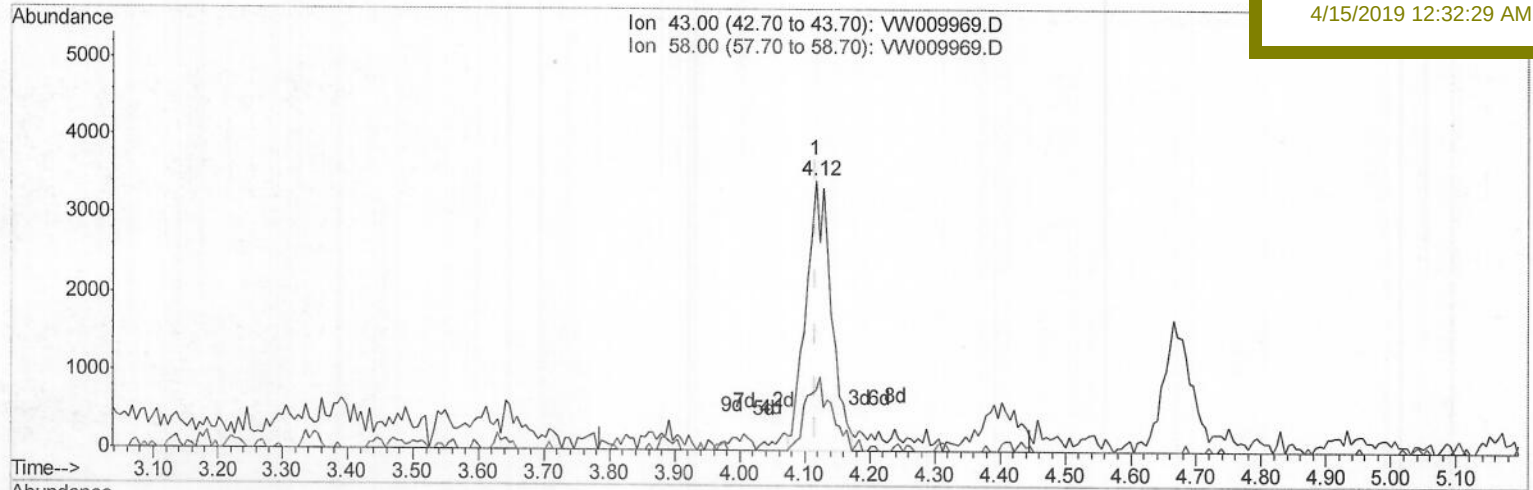
Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampleId :

BF898RE

Manual Integrations  
APPROVEDMMDadoda  
4/15/2019 12:32:29 AM

(13) Acetone (T)

4.117min (-0.000) 7.46ug/L m

response 9253

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 26.50 | 18.15 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

*M.D*  
*4/23/19*



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 Data File : VW009969.D  
 Acq On : 13 Apr 2019 17:54  
 Operator : SY/VA  
 Sample : K2303-03RE  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 21:50:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 13 21:30:51 2019  
 Response via : Initial Calibration

Instrument :  
 MSVOA\_W  
 Client Sampled :  
 BF898RE

Manual Integrations  
 APPROVED

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 4/15/2019 12:32:29 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 272596   | 25.00 | ug/L  | 0.00      |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 190898   | 25.00 | ug/L  | 0.00      |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 36534    | 25.00 | ug/L  | 0.00      |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 105108   | 29.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 117.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 89820    | 27.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 181854   | 23.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 94.84%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 74313    | 64.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 128.32%  |
| 24) Chloroform-d               | 7.64   | 84    | 237752   | 31.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 127.84%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 167701   | 36.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 146.88%# |
| 29) Benzene-d6                 | 8.27   | 84    | 422981   | 42.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 168.84%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 137361   | 44.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 177.52%# |
| 37) Toluene-d8                 | 10.32  | 98    | 294871   | 31.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 127.28%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 38711    | 26.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 104.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 34388    | 58.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.88%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 100438   | 34.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 139.60%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 38209    | 29.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 119.20%  |

## Target Compounds

|                        |      |    |       |       |      |    |
|------------------------|------|----|-------|-------|------|----|
| 13) Acetone            | 4.12 | 43 | 9253m | 7.456 | ug/L |    |
| 15) Methyl Acetate     | 4.67 | 43 | 4235  | 1.872 | ug/L | 91 |
| 16) Methylene chloride | 4.92 | 84 | 28015 | 5.827 | ug/L | 84 |

Ovalue

M.D  
 4/23/19

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