

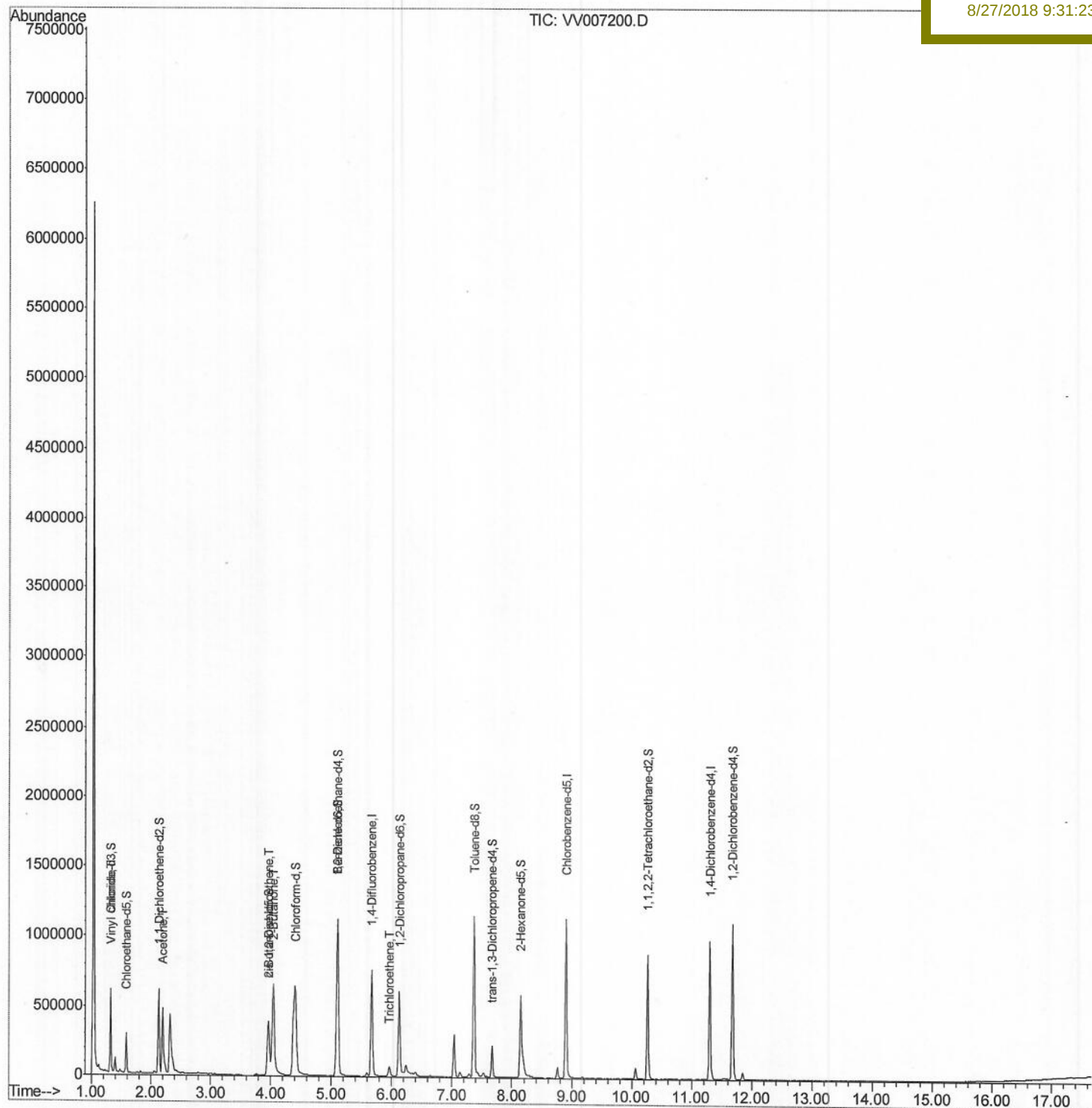
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\  
Data File : VV007200.D  
Acq On : 25 Aug 2018 13:38  
Operator : SY/MD  
Sample : J4622-05  
Misc : 5.0 mL/MSVOA V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 02:09:41 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082418WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Aug 27 01:23:53 2018  
Response via : Initial Calibration

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETBJ7

Manual Integrations  
APPROVED

MMDadoda  
8/27/2018 9:31:23 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\

Data File : VV007200.D

Acq On : 25 Aug 2018 13:38

Operator : SY/MD

Sample : J4622-05

Misc : 5.0 mL/MSVOA V/WATER

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 02:06:15 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082418WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Aug 27 01:23:53 2018

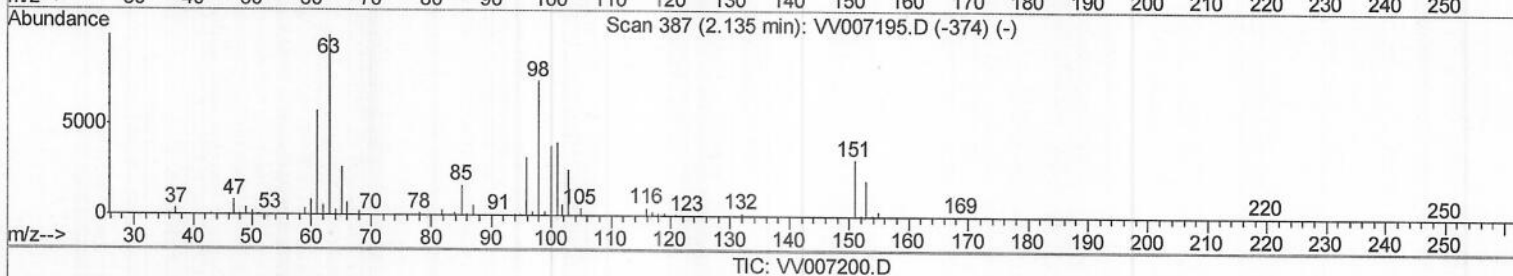
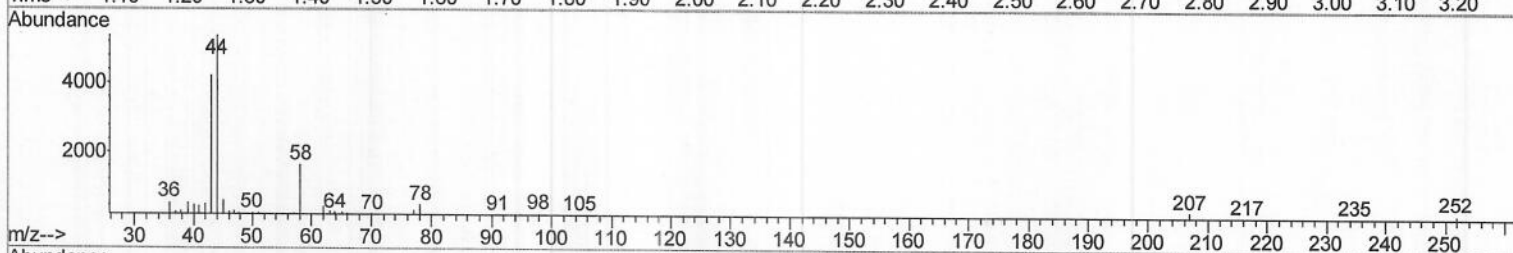
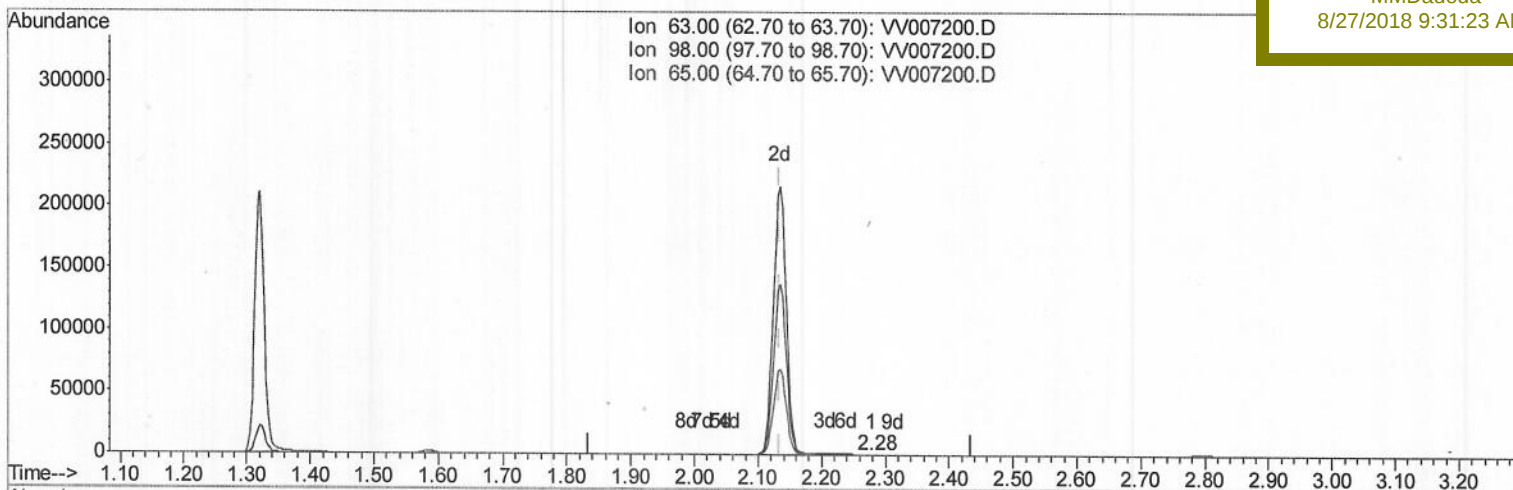
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Manual Integrations  
APPROVEDMMDadoda  
8/27/2018 9:31:23 AM

(11) 1,1-Dichloroethene-d2 (S)

2.279min (+0.145) 0.02ug/L

response 193

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 80.20 | 81.35 |
| 65.00 | 24.10 | 21.76 |
| 0.00  | 0.00  | 0.00  |

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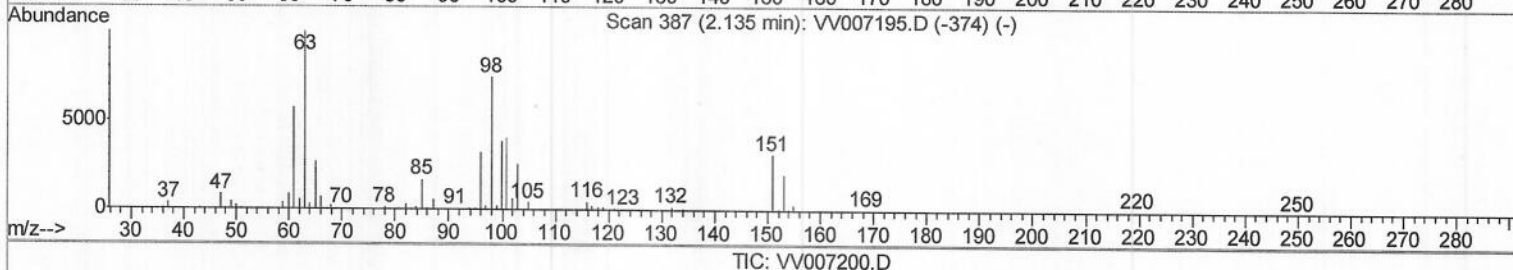
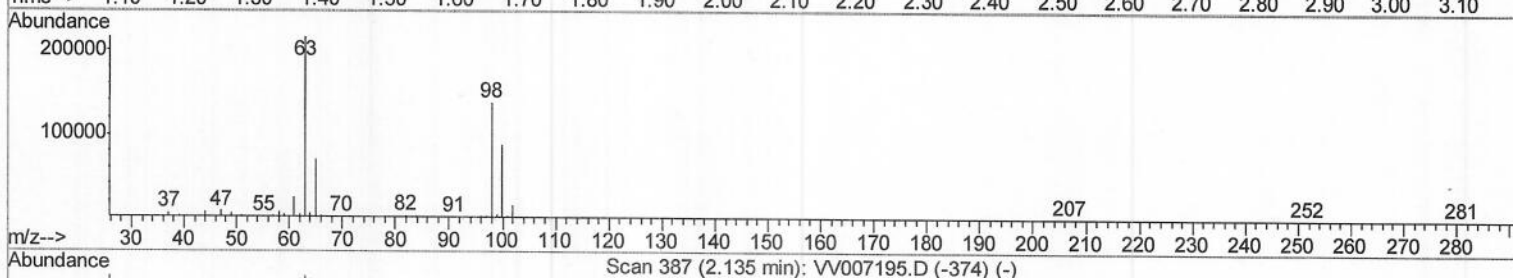
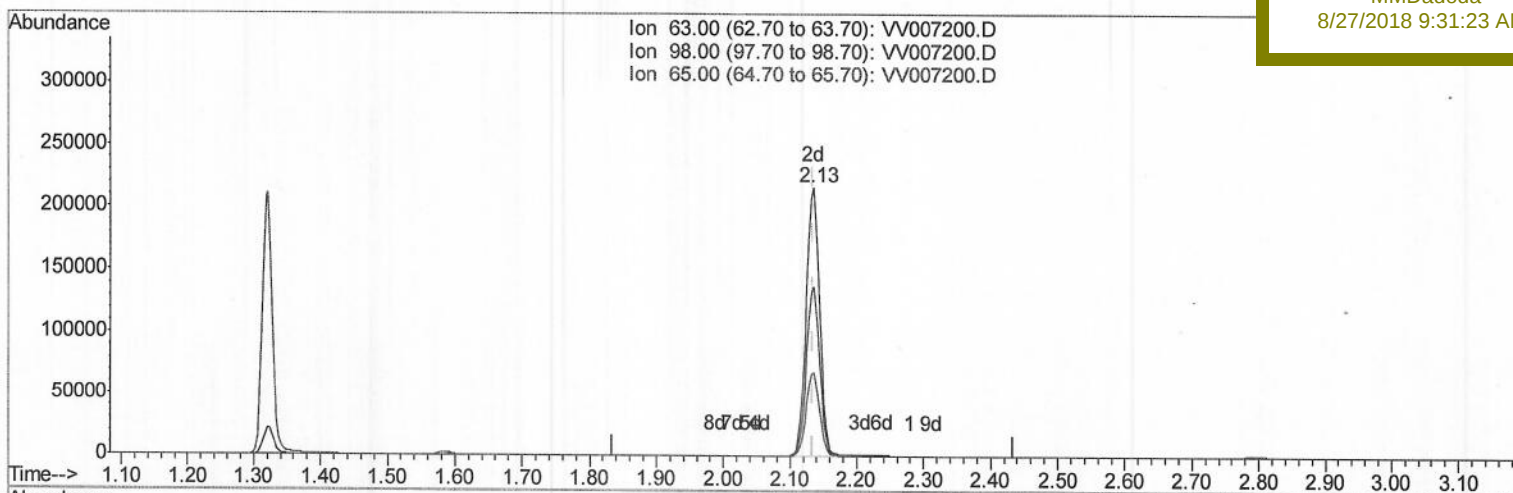
Response via : Initial Calibration

Instrument :

MSVOA\_V

ClientSampleId :

ETBJ7

Manual Integrations  
APPROVEDMMDadoda  
8/27/2018 9:31:23 AM

TIC: VV007200.D

(11) 1,1-Dichloroethene-d2 (S)

2.135min (+0.000) 37.36ug/L m

response 304532

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 80.20 | 0.05# |
| 65.00 | 24.10 | 0.01# |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\

Data File : VV007200.D

Acq On : 25 Aug 2018 13:38

Operator : SY/MD

Sample : J4622-05

Misc : 5.0 mL/MSVOA V/WATER

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 02:09:41 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082418WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Aug 27 01:23:53 2018

Response via : Initial Calibration

Instrument :

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Manual Integrations  
APPROVEDMMDadoda  
8/27/2018 9:31:23 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 666992   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 671863   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 288163   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 221907     | 47.36   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 94.72%  |      |      |
| 7) Chloroethane-d5             | 1.58           | 69  | 188993     | 49.75   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 99.50%  |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.13           | 63  | 304532m    | 37.36   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 74.72%  |      |      |
| 21) 2-Butanone-d5              | 3.96           | 46  | 433450     | 124.15  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 124.15% |      |      |
| 24) Chloroform-d               | 4.41           | 84  | 461495     | 50.75   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 101.50% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.09           | 65  | 292782     | 53.24   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 106.48% |      |      |
| 32) Benzene-d6                 | 5.11           | 84  | 954494     | 50.01   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 100.02% |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.12           | 67  | 307927     | 49.16   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 98.32%  |      |      |
| 41) Toluene-d8                 | 7.37           | 98  | 781514     | 46.51   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 93.02%  |      |      |
| 43) trans-1,3-Dichloropropene- | 7.67           | 79  | 128894     | 47.09   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 94.18%  |      |      |
| 47) 2-Hexanone-d5              | 8.14           | 63  | 204552     | 103.51  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 103.51% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27          | 84  | 442902     | 53.08   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 106.16% |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.68          | 152 | 314258     | 52.25   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 104.50% |      |      |

## Target Compounds

|                            |      |    |         |              | Ovalue |
|----------------------------|------|----|---------|--------------|--------|
| 5) Vinyl chloride          | 1.32 | 62 | 188389  | 33.594 ug/L  | 98     |
| 13) Acetone                | 2.20 | 43 | 522943  | 202.866 ug/L | 98     |
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 91392   | 17.561 ug/L  | 99     |
| 22) 2-Butanone             | 4.04 | 43 | 1111000 | 276.874 ug/L | 98     |
| 34) Trichloroethene        | 5.96 | 95 | 20003   | 3.953 ug/L   | 93     |

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