

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\  
 Data File : VD046816.D  
 Acq On : 21 Sep 2015 19:19  
 Operator : FY/SY  
 Sample : G3748-06  
 Misc : 12.32qm/5mL/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MGP205-24-25

Quant Time: Sep 22 03:25:41 2015  
 Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D091815S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 18 15:47:18 2015  
 Response via : Initial Calibration

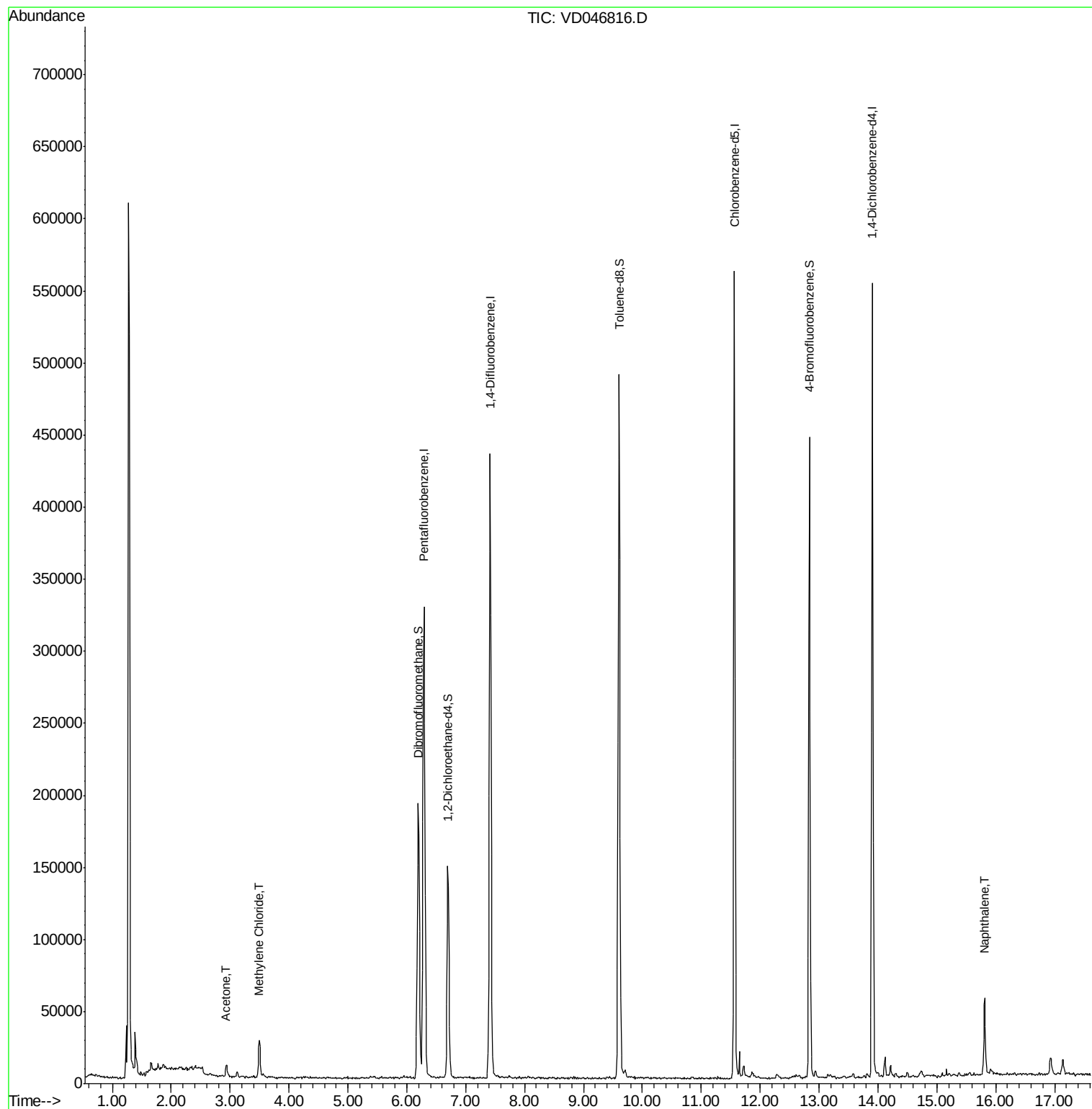
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 6.29  | 168  | 277577   | 50.00 | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene     | 7.42  | 114  | 372205   | 50.00 | ug/l   | -0.02    |
| 63) Chlorobenzene-d5        | 11.57 | 117  | 296252   | 50.00 | ug/l   | -0.02    |
| 72) 1,4-Dichlorobenzene-d4  | 13.90 | 152  | 143612   | 50.00 | ug/l   | -0.02    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.70  | 65   | 118202   | 40.96 | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 81.92% |          |
| 35) Dibromofluoromethane    | 6.19  | 113  | 138777   | 47.65 | ug/l   | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.30% |          |
| 50) Toluene-d8              | 9.60  | 98   | 382833   | 41.67 | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 83.34% |          |
| 62) 4-Bromofluorobenzene    | 12.84 | 95   | 135899   | 36.74 | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 73.48% |          |
| Target Compounds            |       |      |          |       |        |          |
| 17) Acetone                 | 2.93  | 43   | 12148    | 24.91 | ug/l   | 92       |
| 21) Methylene Chloride      | 3.49  | 84   | 12026    | 4.54  | ug/l   | 95       |
| 95) Naphthalene             | 15.81 | 128  | 52251    | 18.74 | ug/l   | 97       |

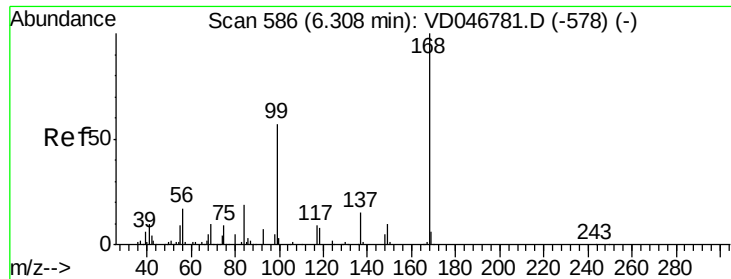
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 18 15:47:18 2015  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046816.D

Acq: 21 Sep 2015 19:19

Instrument :

MSVOA\_D

ClientSampleId :

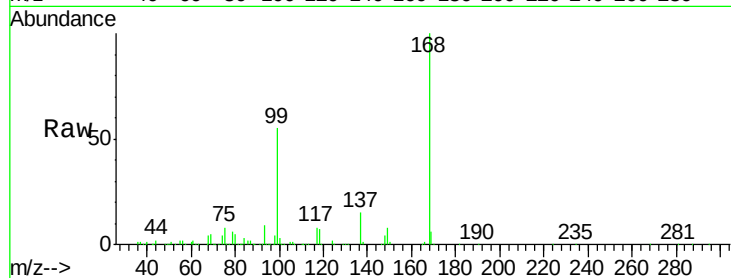
MGP205-24-25

Tot Ion:168 Resp: 277577

Ion Ratio Lower Upper

168 100

99 54.6 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

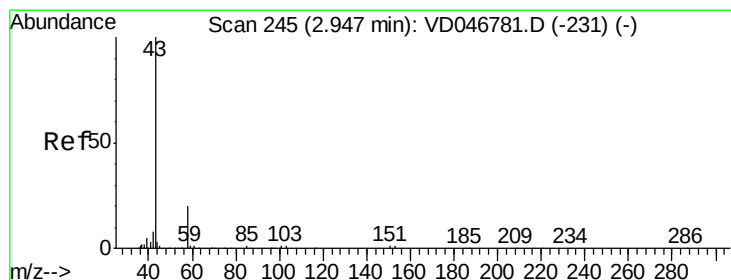
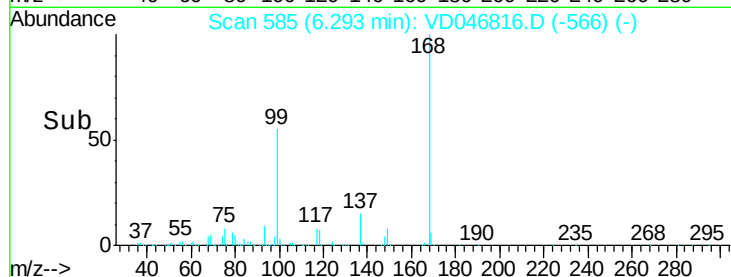
6.29

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#17

Acetone

Concen: 24.91 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046816.D

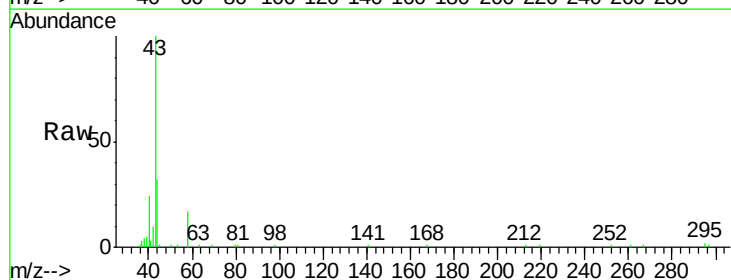
Acq: 21 Sep 2015 19:19

Tgt Ion: 43 Resp: 12148

Ion Ratio Lower Upper

43 100

58 16.9 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.93

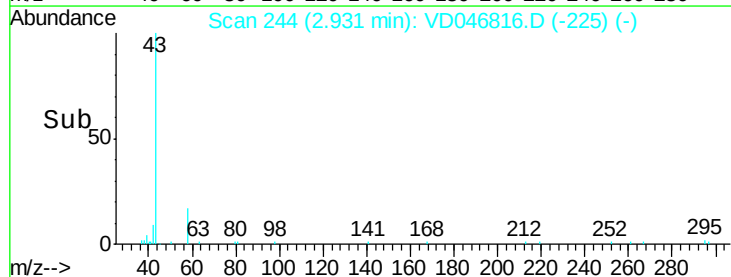
6000

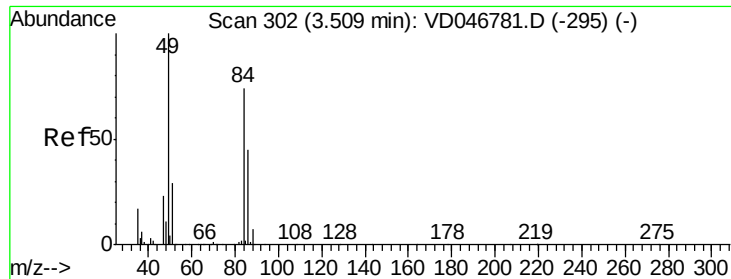
4000

2000

0

Time--> 2.80 2.90 3.00

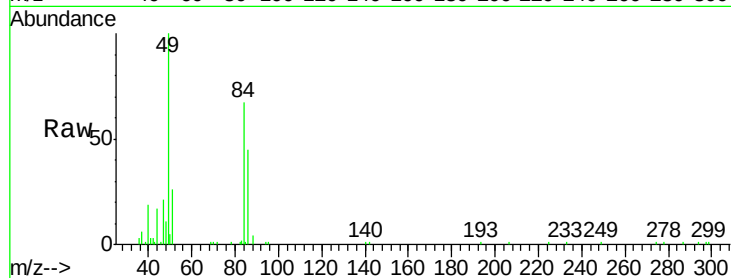




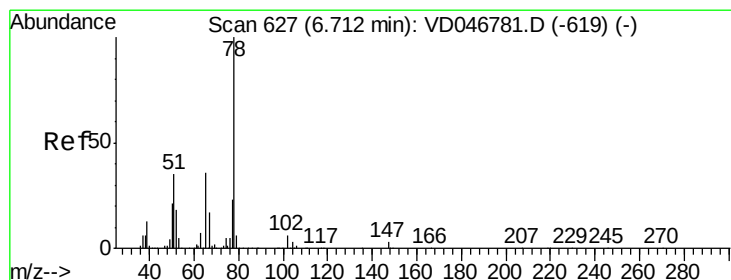
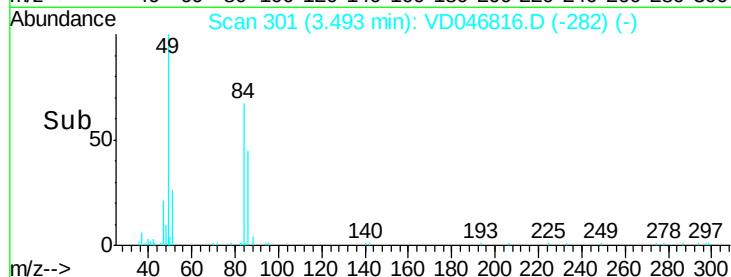
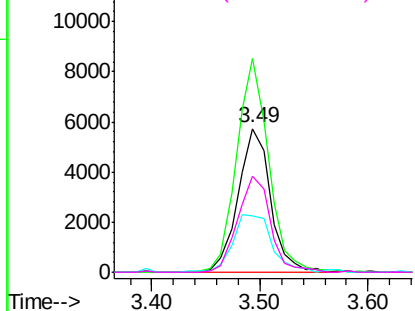
#21  
Methylene Chloride  
Concen: 4.54 ug/l  
RT: 3.49 min Scan# 301  
Delta R.T. -0.02 min  
Lab File: VD046816.D  
Acq: 21 Sep 2015 19:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
MGP205-24-25

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 12026 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 148.8 | 122.1 | 183.1 |
| 51       | 39.4  | 33.6  | 50.4  |
| 86       | 67.1  | 48.3  | 72.5  |

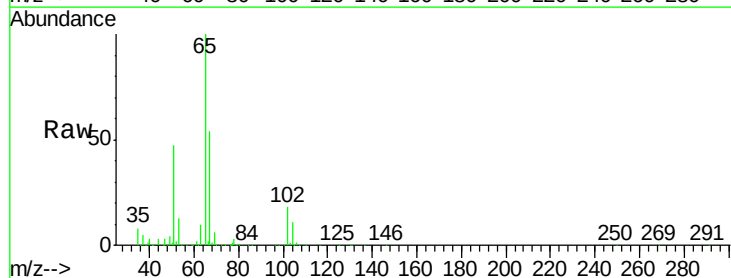


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

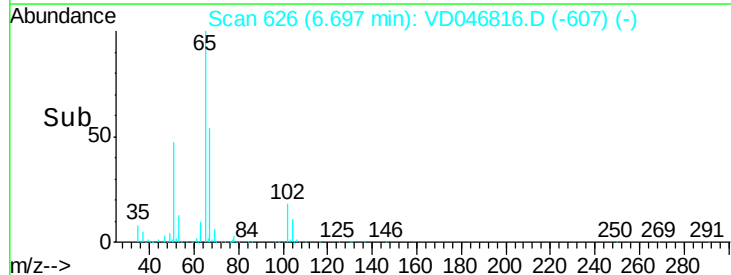
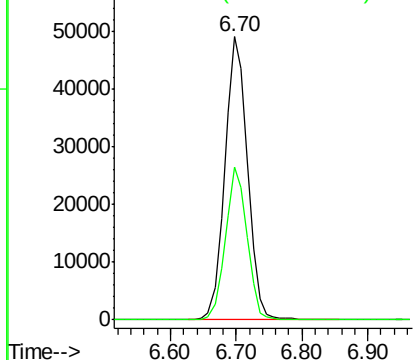


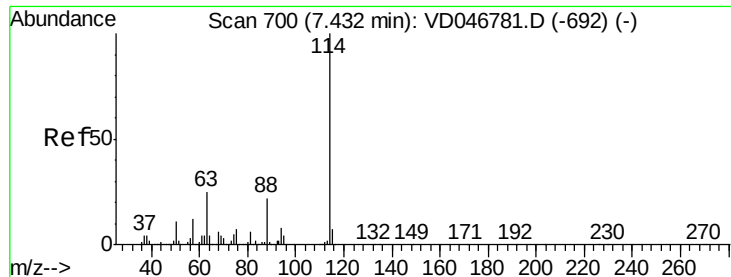
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 6.70 min Scan# 626  
Delta R.T. -0.02 min  
Lab File: VD046816.D  
Acq: 21 Sep 2015 19:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 118202 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.8  | 0.0   | 105.4  |



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046816.D

Acq: 21 Sep 2015 19:19

Instrument :

MSVOA\_D

ClientSampleId :

MGP205-24-25

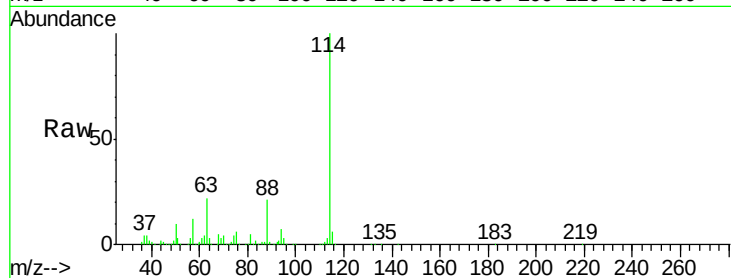
Tot Ion:114 Resp: 372205

Ion Ratio Lower Upper

114 100

63 22.4 0.0 49.8

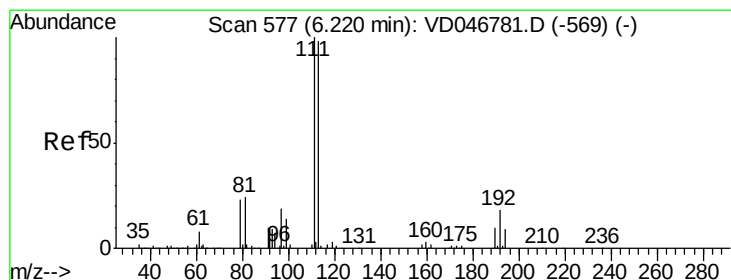
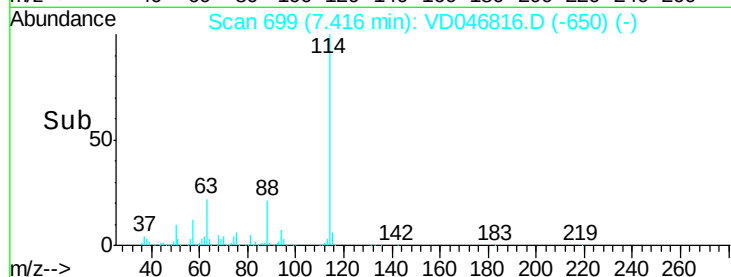
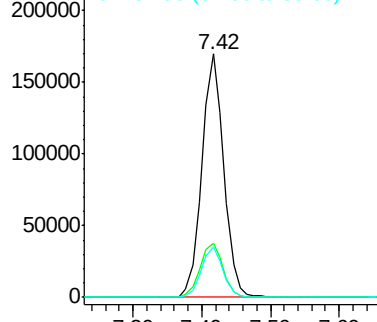
88 20.6 0.0 43.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046816.D

Acq: 21 Sep 2015 19:19

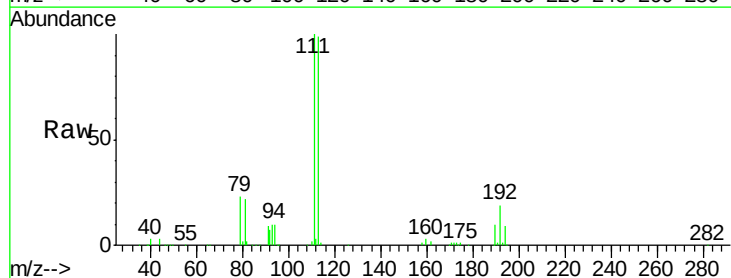
Tgt Ion:113 Resp: 138777

Ion Ratio Lower Upper

113 100

111 100.7 79.4 119.0

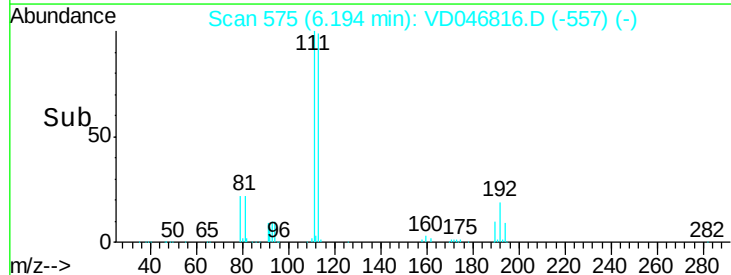
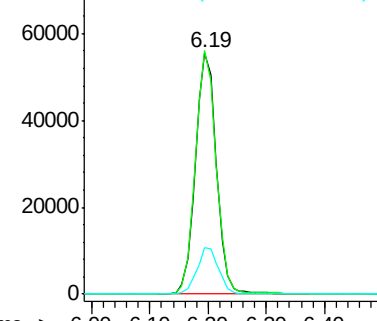
192 19.1 14.6 22.0

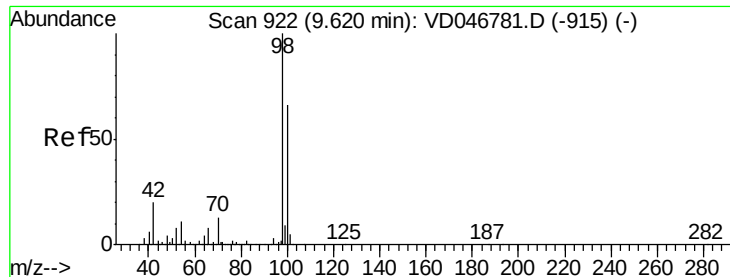


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.60 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD046816.D

Acq: 21 Sep 2015 19:19

Instrument :

MSVOA\_D

ClientSampleId :

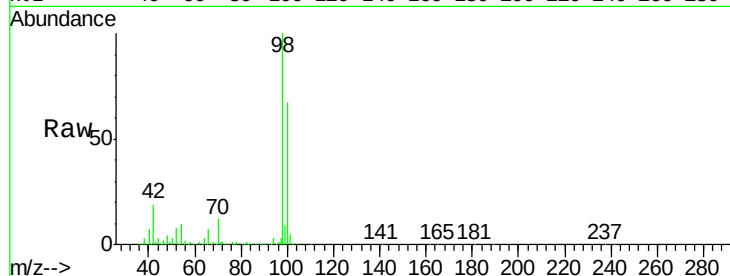
MGP205-24-25

Tot Ion: 98 Resp: 382833

Ion Ratio Lower Upper

98 100

100 67.0 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VD046781.D (-915) (-)

Ion 100.05 (99.75 to 100.75): VD046781.D (-915) (-)

200000

150000

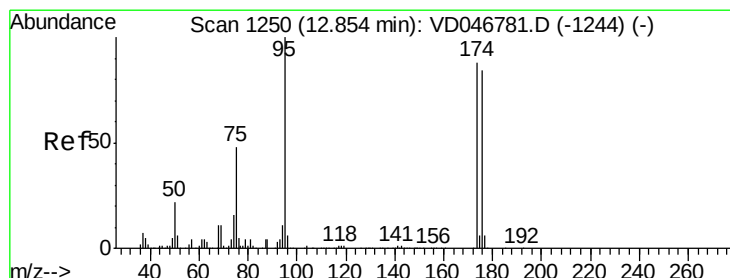
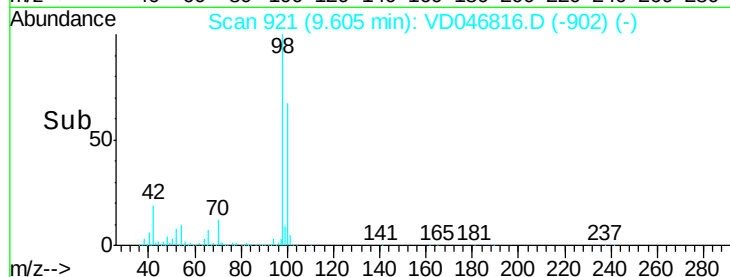
100000

50000

0

9.50 9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046816.D

Acq: 21 Sep 2015 19:19

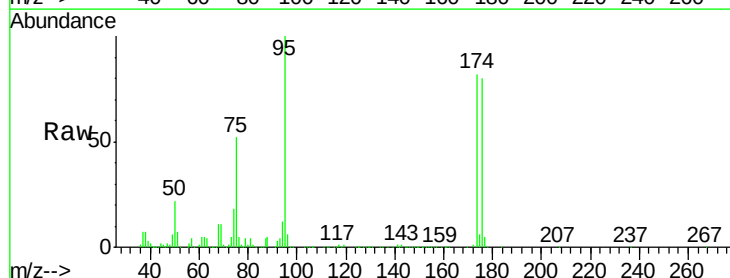
Tgt Ion: 95 Resp: 135899

Ion Ratio Lower Upper

95 100

174 82.2 0.0 149.8

176 80.3 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VD046781.D (-1244) (-)

Ion 173.90 (173.60 to 174.60): VD046781.D (-1244) (-)

Ion 175.90 (175.60 to 176.60): VD046781.D (-1244) (-)

120000

100000

80000

60000

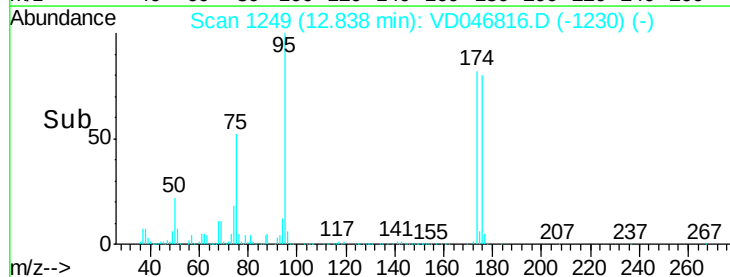
40000

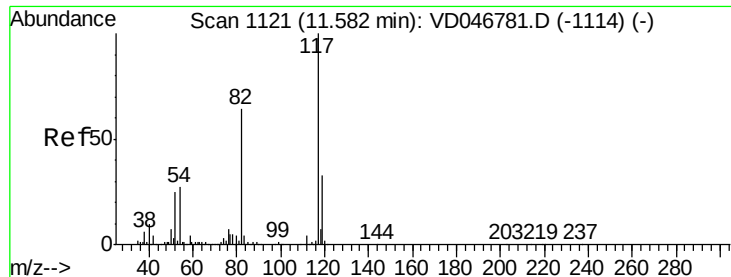
20000

0

12.70 12.80 12.90

Time-->

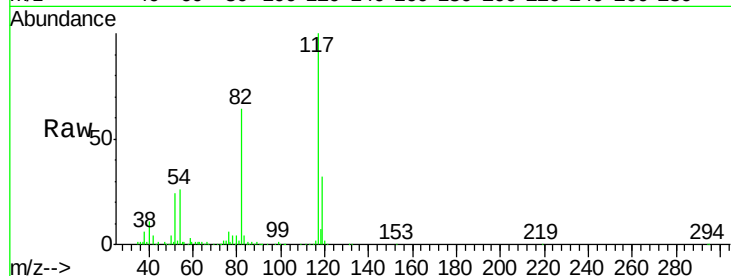




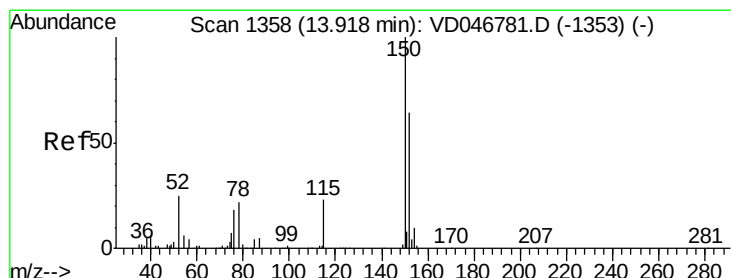
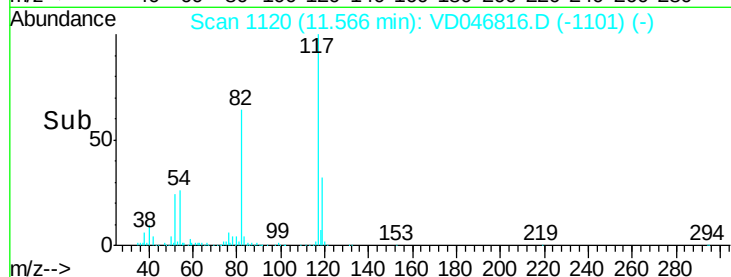
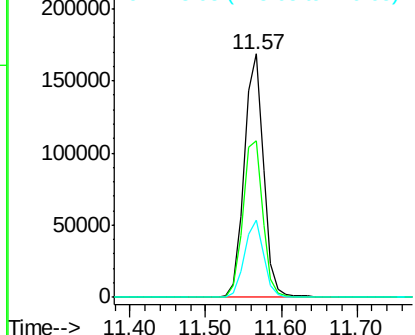
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.57 min Scan# 1120  
Delta R.T. -0.02 min  
Lab File: VD046816.D  
Acq: 21 Sep 2015 19:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
MGP205-24-25

Tot Ion:117 Resp: 296252  
Ion Ratio Lower Upper  
117 100  
82 64.2 50.6 75.8  
119 31.7 25.8 38.8

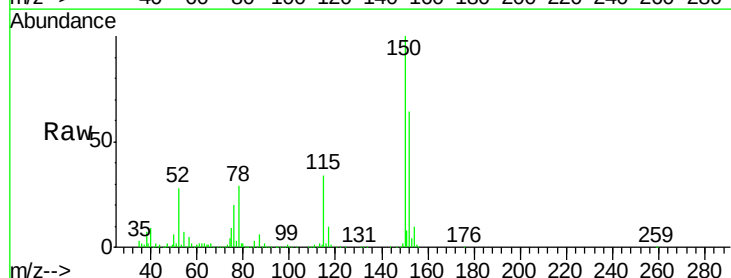


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

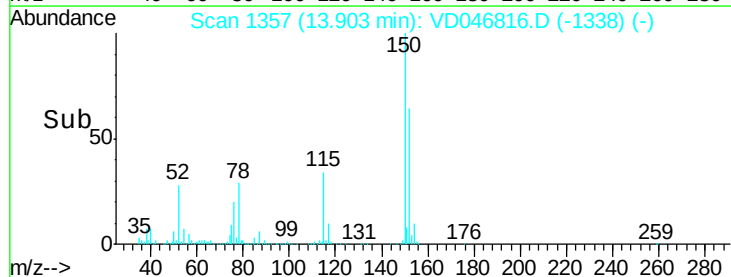
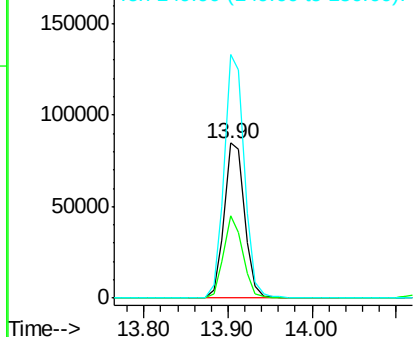


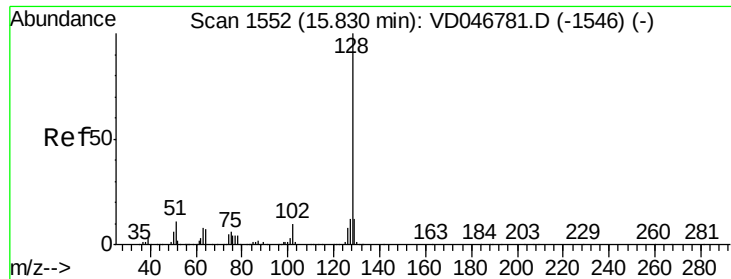
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.90 min Scan# 1357  
Delta R.T. -0.02 min  
Lab File: VD046816.D  
Acq: 21 Sep 2015 19:19

Tgt Ion:152 Resp: 143612  
Ion Ratio Lower Upper  
152 100  
115 53.1 26.2 78.6  
150 157.2 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#95  
 Naphthalene  
 Concen: 18.74 ug/l  
 RT: 15.81 min Scan# 1551  
 Delta R.T. -0.02 min  
 Lab File: VD046816.D  
 Acq: 21 Sep 2015 19:19

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MGP205-24-25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.8  | 9.8   | 14.6  |
| 129     | 11.4  | 8.6   | 12.8  |

