

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
 Data File : VD057970.D  
 Acq On : 7 Jun 2018 14:29  
 Operator : JC/SY  
 Sample : J3320-01  
 Misc : 6.24g/5ml/MSVOA D/SOIL  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S39-0177

Quant Time: Jun 08 07:29:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 08:57:33 2018  
 Response via : Initial Calibration

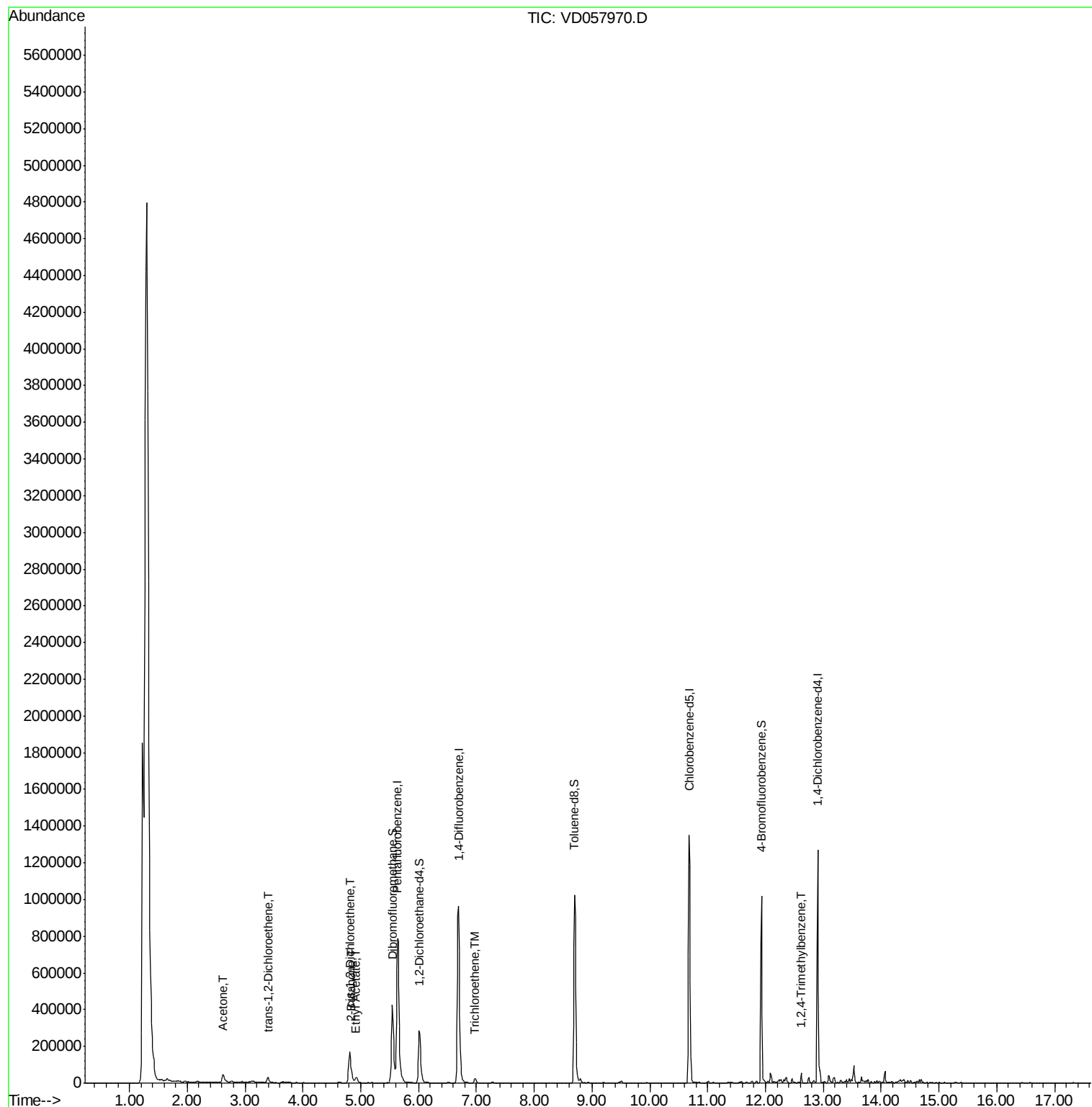
| Internal Standards           | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|------------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene        | 5.65   | 168  | 817606   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.69   | 114  | 1022246  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.68  | 117  | 748482   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.90  | 152  | 264962   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds  |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.01   | 65   | 300833   | 36.80  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 73.60% |          |
| 35) Dibromofluoromethane     | 5.55   | 113  | 344672   | 43.58  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 87.16% |          |
| 50) Toluene-d8               | 8.70   | 98   | 816011   | 43.40  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 86.80% |          |
| 62) 4-Bromofluorobenzene     | 11.93  | 95   | 274678   | 33.49  | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =      | 66.98% |          |
| Target Compounds             |        |      |          |        |        |          |
| 16) Acetone                  | 2.63   | 43   | 93951    | 79.778 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.39   | 96   | 14616    | 2.001  | ug/l # | 73       |
| 25) 2-Butanone               | 4.84   | 43   | 43043    | 16.083 | ug/l # | 78       |
| 27) cis-1,2-Dichloroethene   | 4.81   | 96   | 97333    | 11.236 | ug/l   | 91       |
| 37) Ethyl Acetate            | 4.92   | 43   | 60223    | 9.800  | ug/l # | 89       |
| 44) Trichloroethene          | 6.99   | 130  | 10768    | 1.401  | ug/l   | 86       |
| 84) 1,2,4-Trimethylbenzene   | 12.62  | 105  | 22116    | 1.503  | ug/l   | 86       |

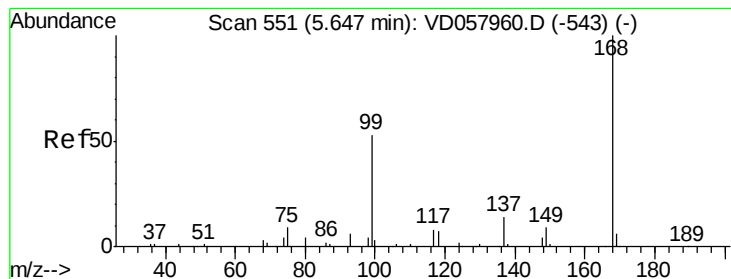
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060718\  
Data File : VD057970.D  
Acq On : 7 Jun 2018 14:29  
Operator : JC/SY  
Sample : J3320-01  
Misc : 6.24g/5ml/MSVOA D/SOIL  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
S39-0177

Quant Time: Jun 08 07:29:42 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 08:57:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD057970.D

Acq: 7 Jun 2018 14:29

Instrument :

MSVOA\_D

ClientSampleId :

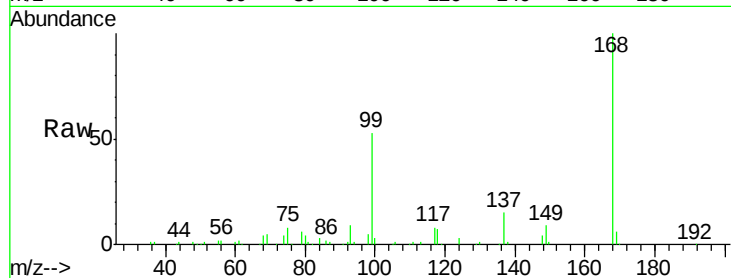
S39-0177

Tot Ion:168 Resp: 817606

Ion Ratio Lower Upper

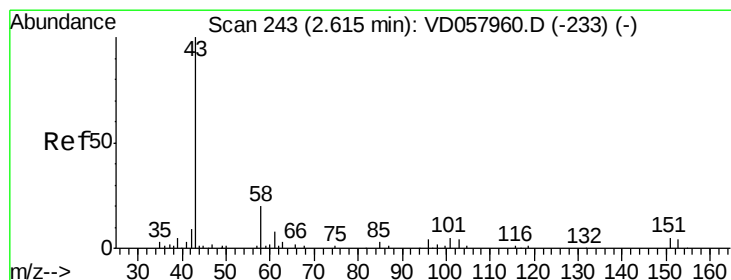
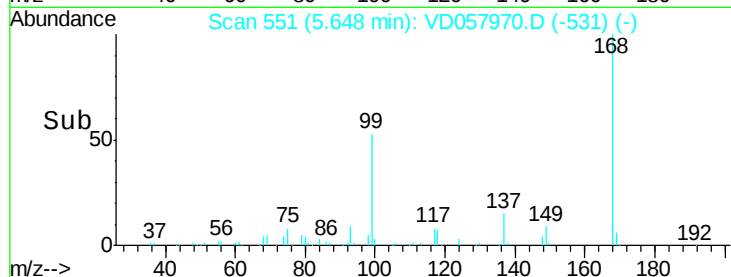
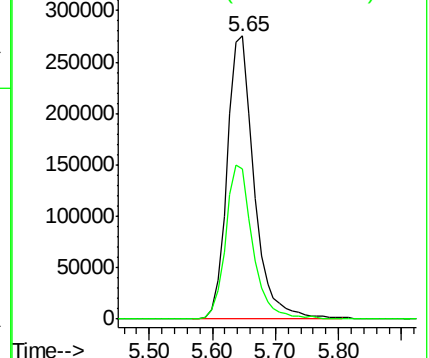
168 100

99 53.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 79.778 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057970.D

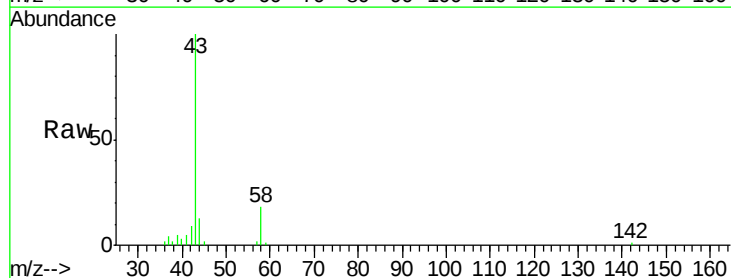
Acq: 7 Jun 2018 14:29

Tgt Ion: 43 Resp: 93951

Ion Ratio Lower Upper

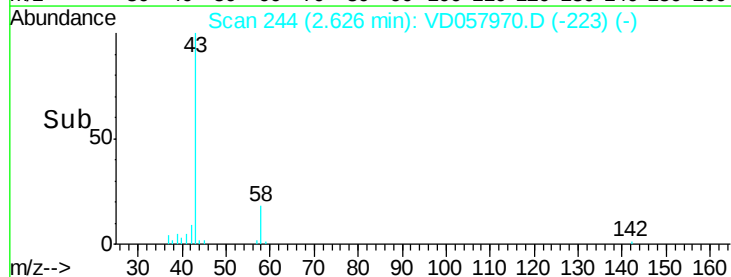
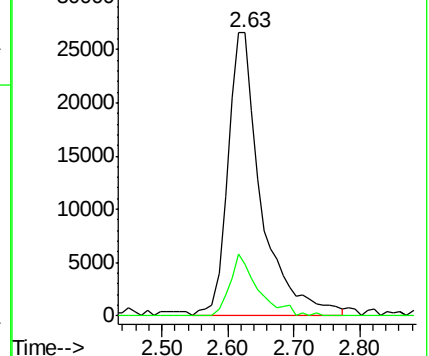
43 100

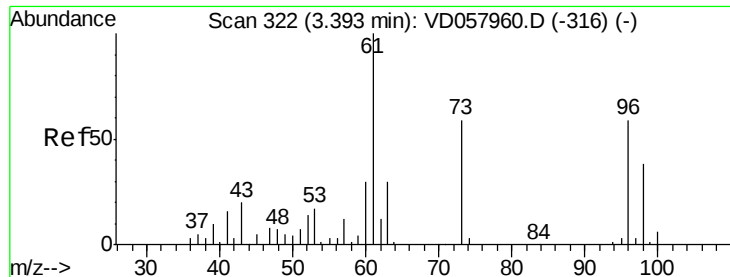
58 18.1 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#21

trans-1,2-Dichloroethene

Concen: 2.001 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD057970.D

Acq: 7 Jun 2018 14:29

Instrument :

MSVOA\_D

ClientSampleId :

S39-0177

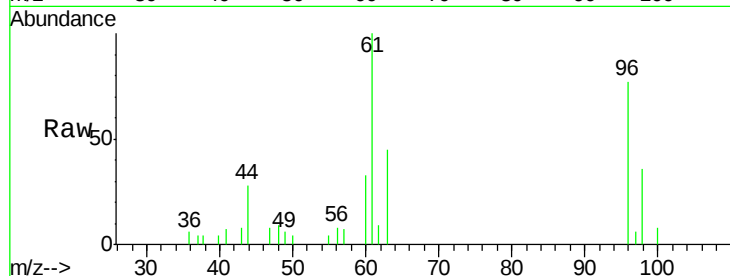
Tot Ion: 96 Resp: 14616

Ion Ratio Lower Upper

96 100

61 130.1 135.2 202.8#

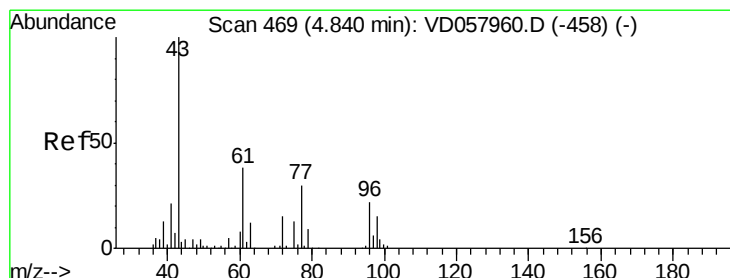
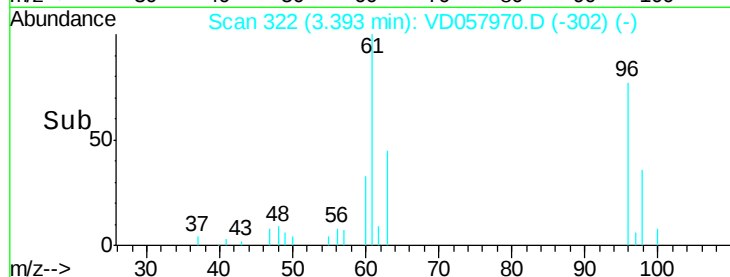
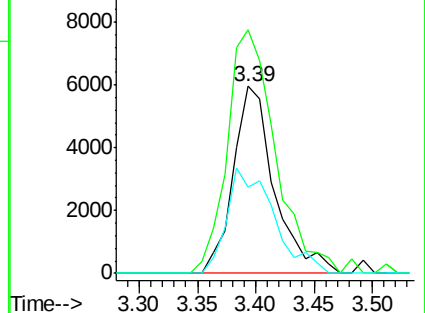
98 46.4 51.7 77.5#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#25

2-Butanone

Concen: 16.083 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD057970.D

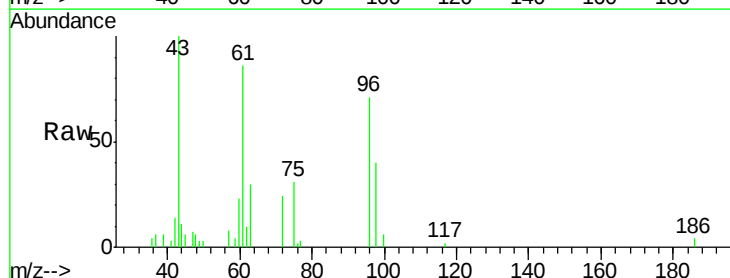
Acq: 7 Jun 2018 14:29

Tgt Ion: 43 Resp: 43043

Ion Ratio Lower Upper

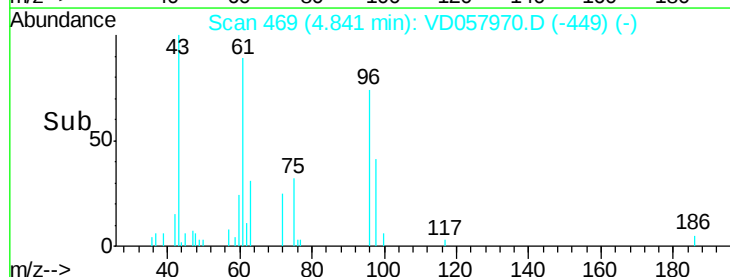
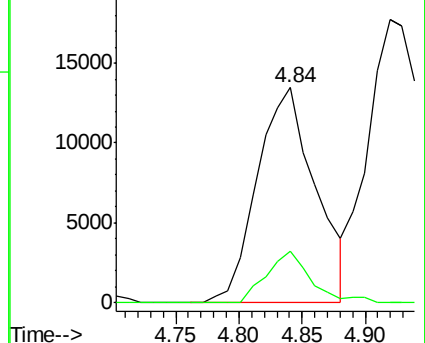
43 100

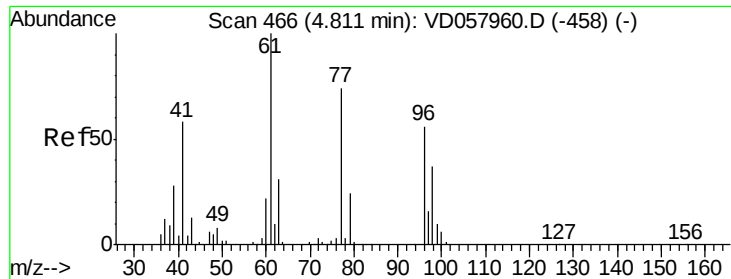
72 24.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



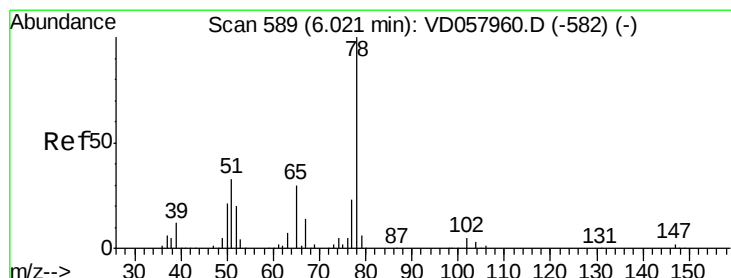
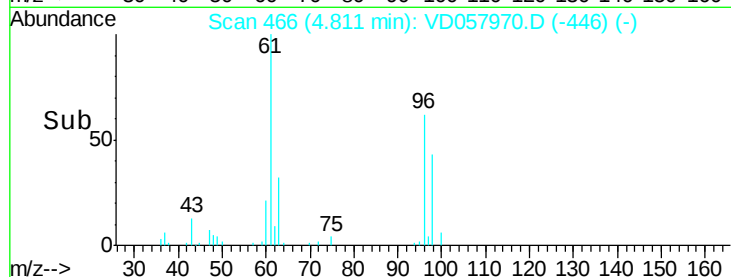
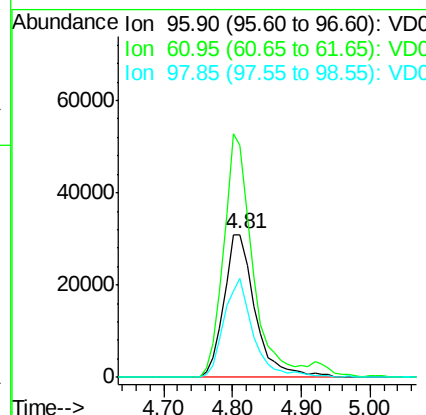
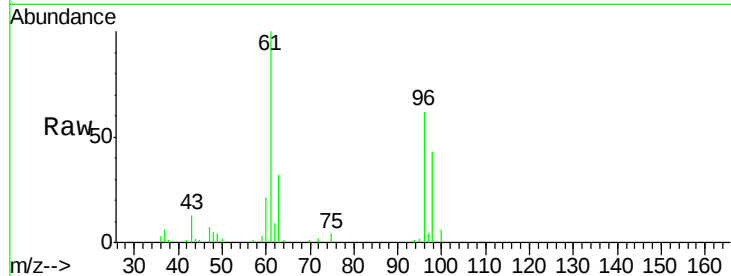


#27

cis-1,2-Dichloroethene  
 Concen: 11.236 ug/l  
 RT: 4.81 min Scan# 466  
 Delta R.T. 0.00 min  
 Lab File: VD057970.D  
 Acq: 7 Jun 2018 14:29

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S39-0177

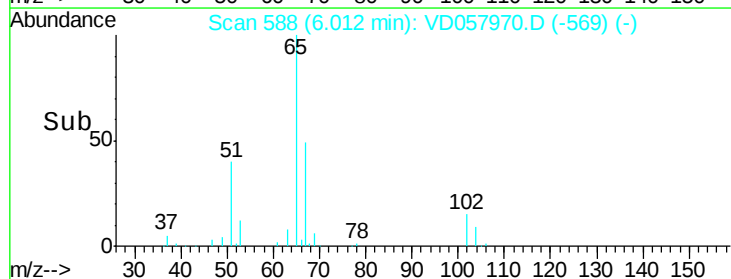
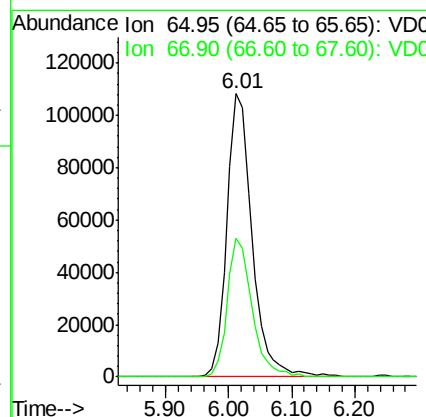
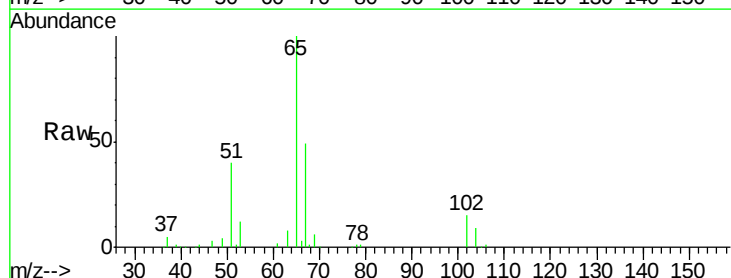
| Tot Ion | 96    | Resp  | 97333 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 162.0 | 0.0   | 355.0 |
| 98      | 68.9  | 0.0   | 129.6 |

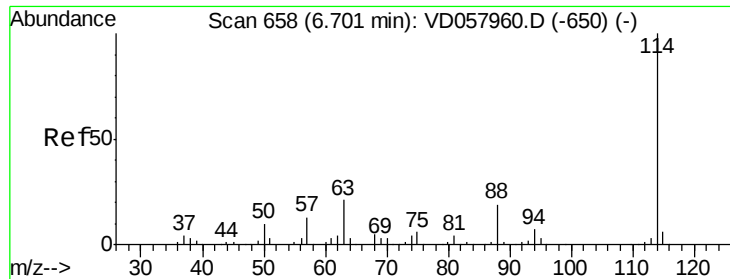


#33

1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.01 min Scan# 588  
 Delta R.T. -0.01 min  
 Lab File: VD057970.D  
 Acq: 7 Jun 2018 14:29

| Tgt Ion | 65    | Resp  | 300833 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 49.0  | 0.0   | 94.0   |

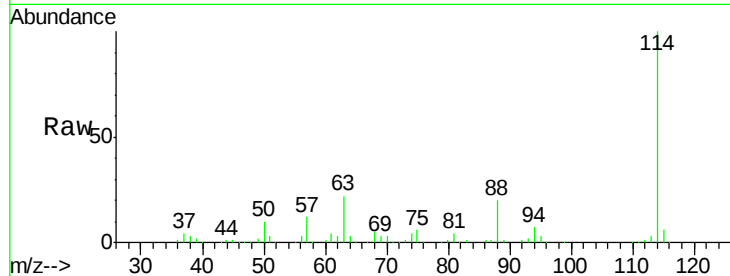




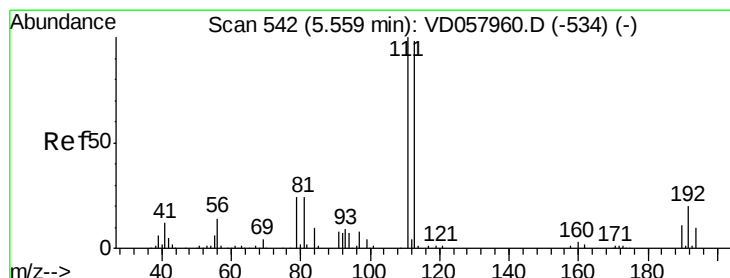
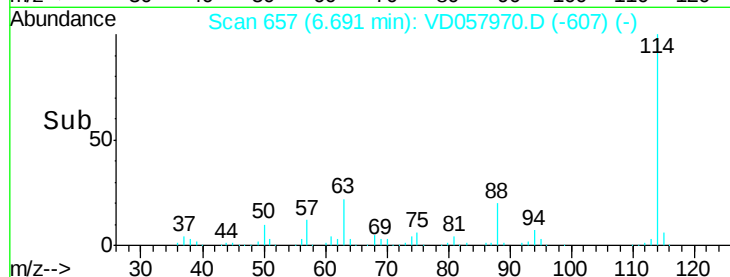
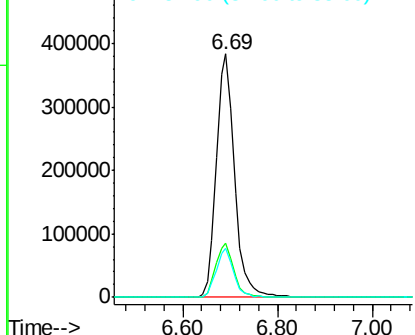
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.69 min Scan# 657  
 Delta R.T. -0.01 min  
 Lab File: VD057970.D  
 Acq: 7 Jun 2018 14:29

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S39-0177

Tot Ion:114 Resp: 1022246  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 42.8  
 88 20.0 0.0 37.8

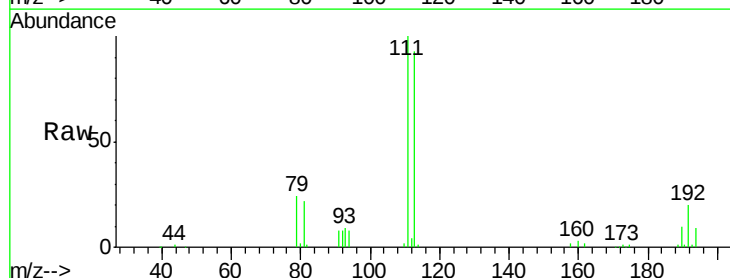


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): VDC  
 Ion 87.90 (87.60 to 88.60): VDC

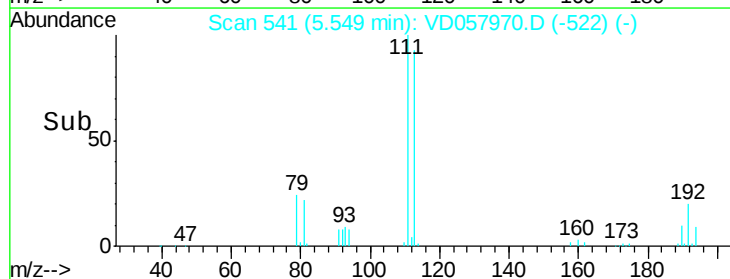
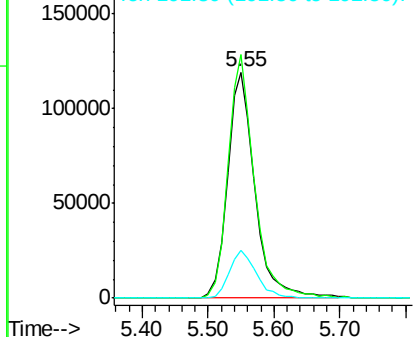


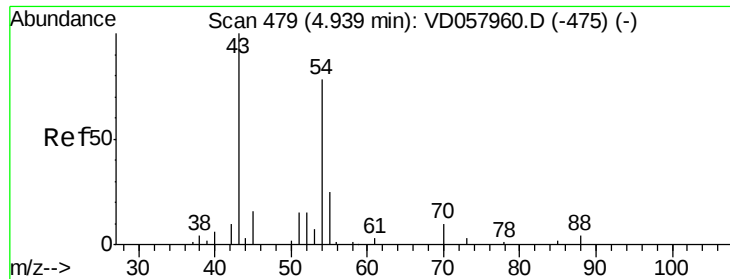
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 5.55 min Scan# 541  
 Delta R.T. -0.01 min  
 Lab File: VD057970.D  
 Acq: 7 Jun 2018 14:29

Tgt Ion:113 Resp: 344672  
 Ion Ratio Lower Upper  
 113 100  
 111 107.7 81.5 122.3  
 192 21.2 16.4 24.6



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





#37

Ethyl Acetate

Concen: 9.800 ug/l

RT: 4.92 min Scan# 477

Delta R.T. -0.02 min

Lab File: VD057970.D

Acq: 7 Jun 2018 14:29

Instrument :

MSVOA\_D

ClientSampleId :

S39-0177

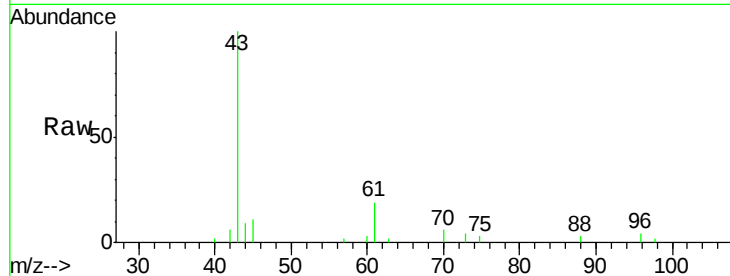
Tot Ion: 43 Resp: 60223

Ion Ratio Lower Upper

43 100

61 18.6 9.9 14.9#

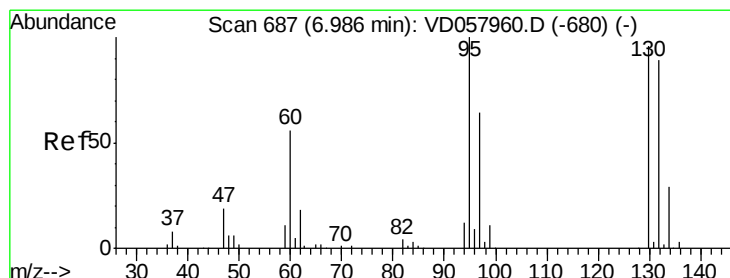
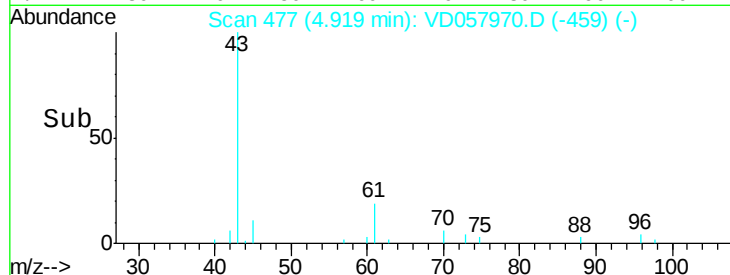
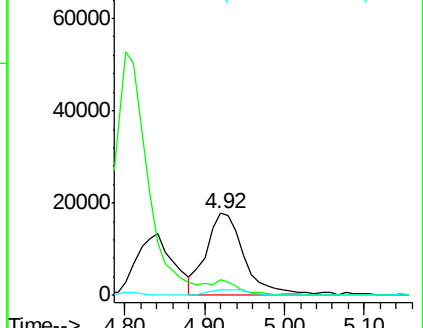
70 6.1 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#44

Trichloroethene

Concen: 1.401 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD057970.D

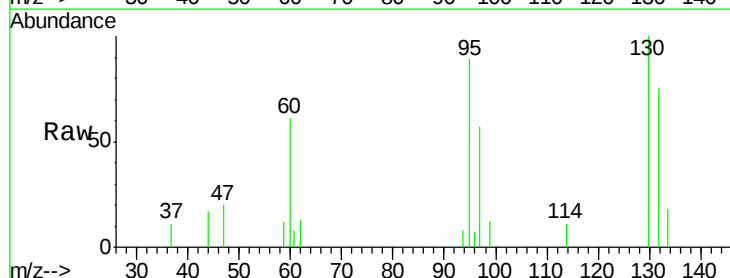
Acq: 7 Jun 2018 14:29

Tgt Ion:130 Resp: 10768

Ion Ratio Lower Upper

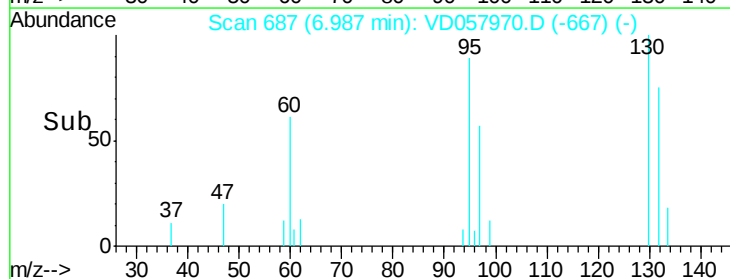
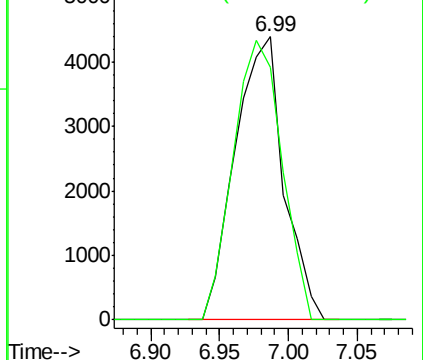
130 100

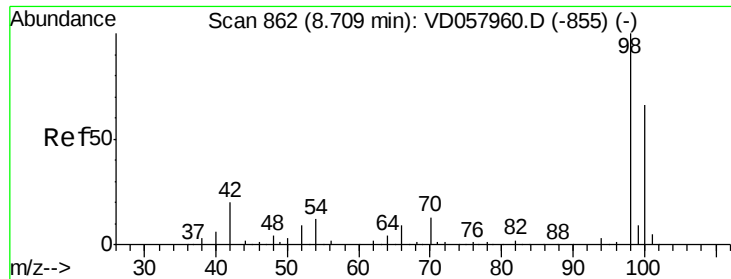
95 89.4 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD057970.D

Acq: 7 Jun 2018 14:29

Instrument :

MSVOA\_D

ClientSampleId :

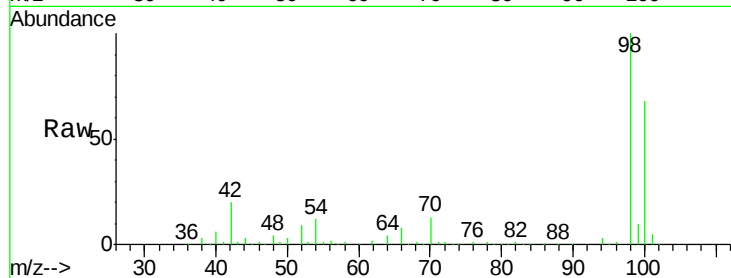
S39-0177

Tot Ion: 98 Resp: 816011

Ion Ratio Lower Upper

98 100

100 67.7 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

8.70

400000

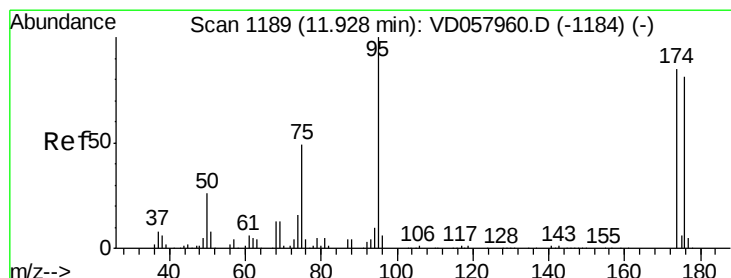
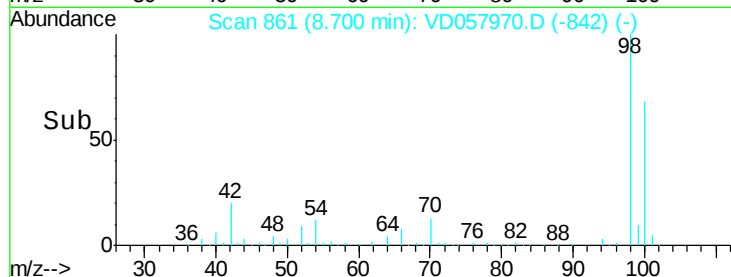
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD057970.D

Acq: 7 Jun 2018 14:29

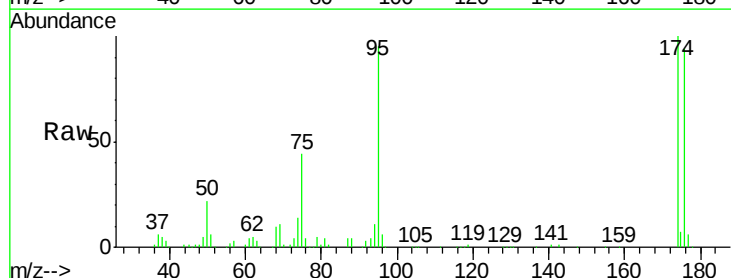
Tgt Ion: 95 Resp: 274678

Ion Ratio Lower Upper

95 100

174 105.6 0.0 169.4

176 99.6 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)

Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)

Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

11.93

250000

200000

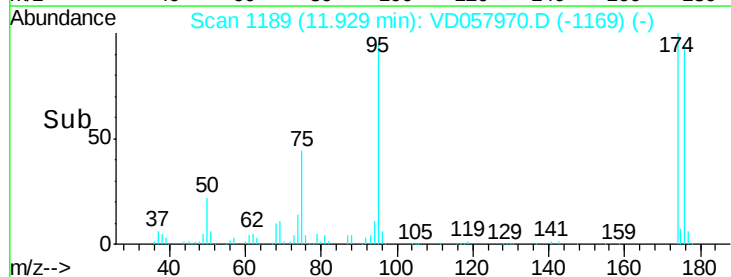
150000

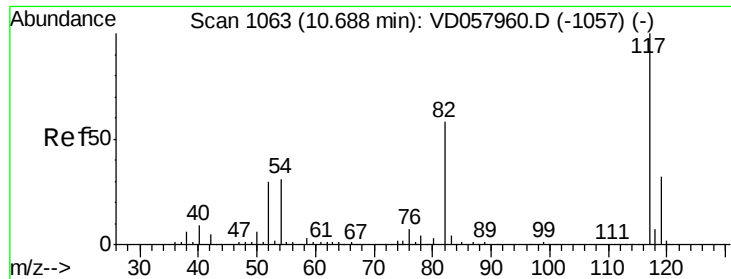
100000

50000

0

Time-->

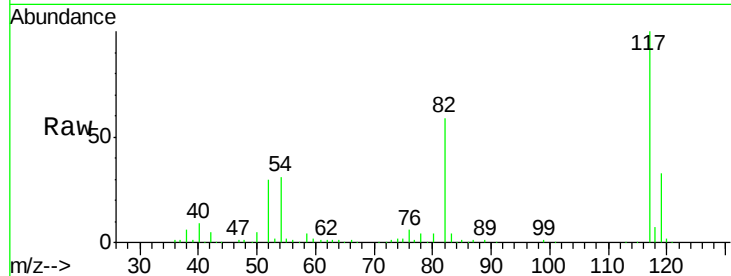




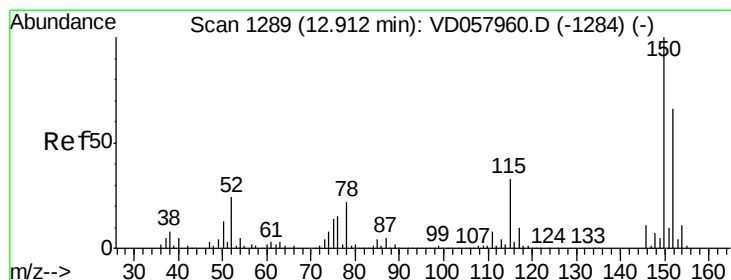
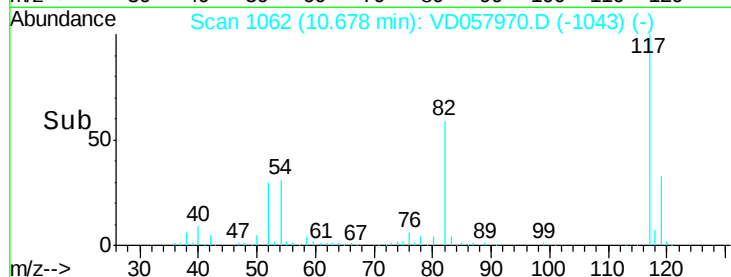
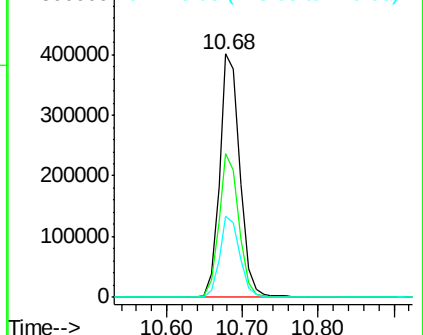
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.68 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: VD057970.D  
Acq: 7 Jun 2018 14:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
S39-0177

Tot Ion:117 Resp: 748482  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.8 70.2  
119 33.3 25.8 38.6

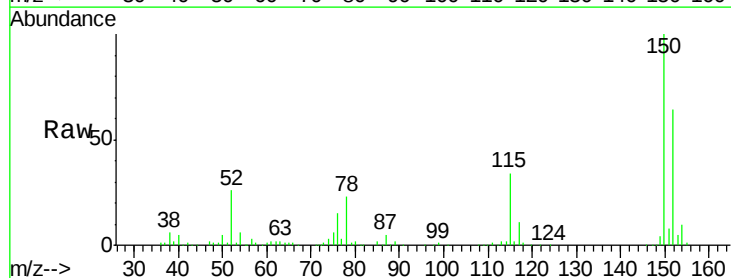


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

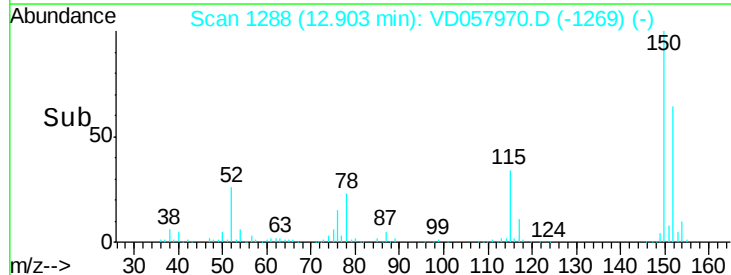
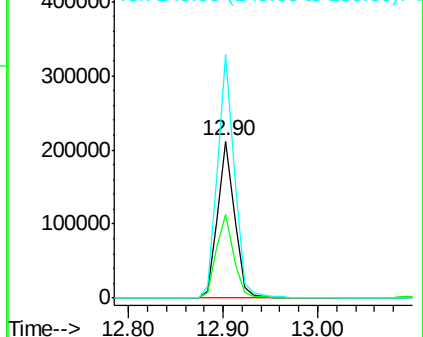


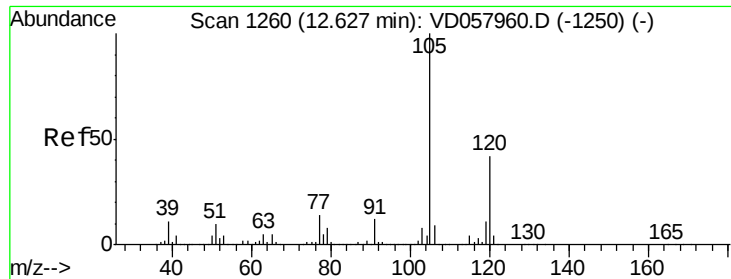
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.90 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: VD057970.D  
Acq: 7 Jun 2018 14:29

Tgt Ion:152 Resp: 264962  
Ion Ratio Lower Upper  
152 100  
115 53.3 25.6 76.6  
150 155.1 0.0 306.8



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





#84

1,2,4-Trimethylbenzene

Concen: 1.503 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD057970.D

Acq: 7 Jun 2018 14:29

Instrument :

MSVOA\_D

ClientSampleId :

S39-0177

Tot Ion:105 Resp: 22116

Ion Ratio Lower Upper

105 100

120 33.7 21.2 63.6

