

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD121918\  
 Data File : VD060636.D  
 Acq On : 19 Dec 2018 13:14  
 Operator : VA/AP  
 Sample : J6196-09  
 Misc : 6.18G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-01-121818-B

Quant Time: Dec 20 01:02:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

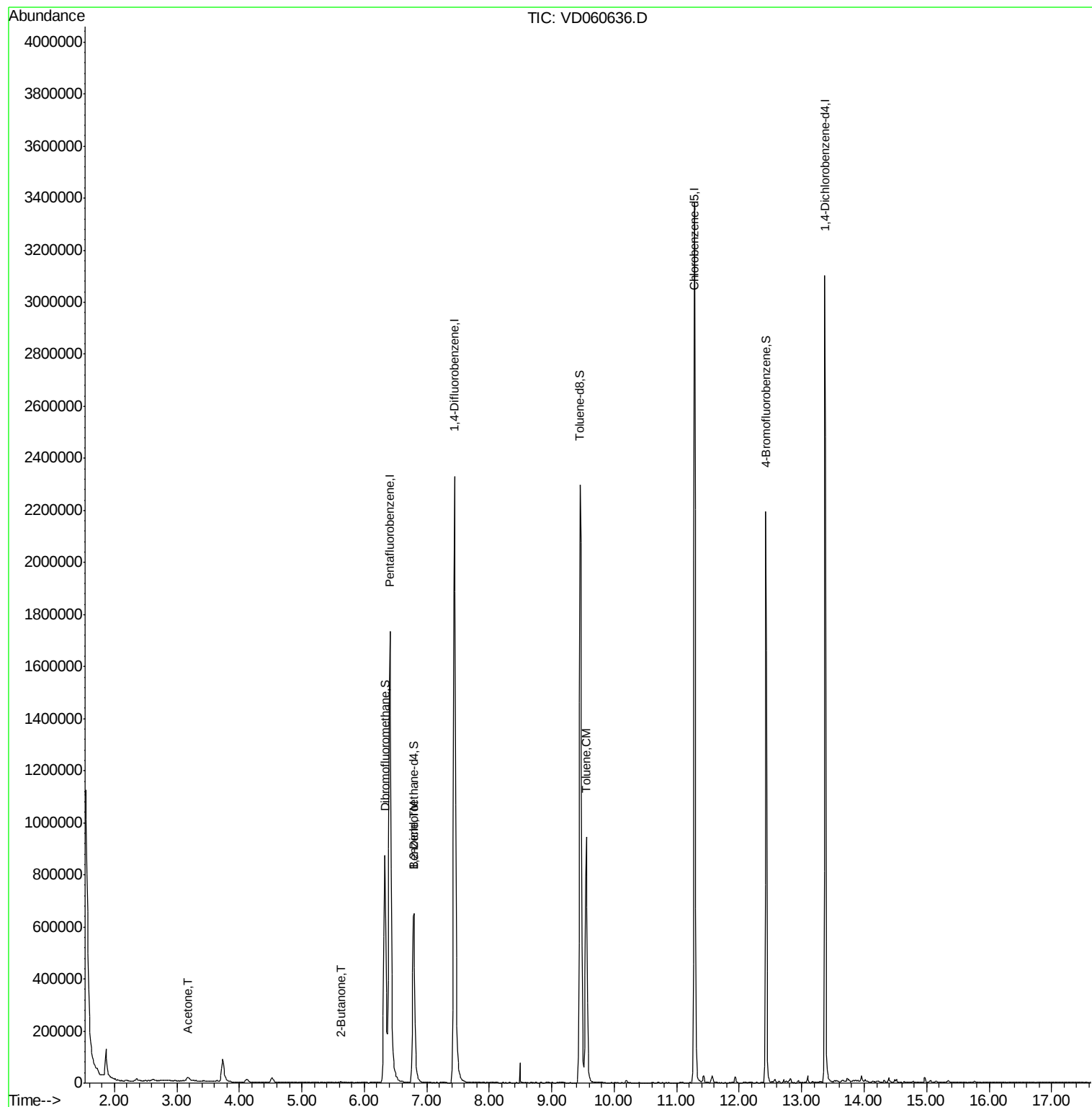
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 6.41  | 168  | 1725692  | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 7.45  | 114  | 2477139  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.28 | 117  | 1788608  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 740085   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.79  | 65   | 515655   | 42.16  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.32% |          |
| 35) Dibromofluoromethane    | 6.33  | 113  | 718447   | 39.49  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.98% |          |
| 50) Toluene-d8              | 9.45  | 98   | 1873562  | 35.58  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 71.16% |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 616936   | 32.75  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 65.50% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.17  | 43   | 35020    | 17.862 | ug/l   | 99       |
| 25) 2-Butanone              | 5.62  | 43   | 8068     | 2.092  | ug/l   | 95       |
| 40) Benzene                 | 6.80  | 78   | 79749    | 1.289  | ug/l   | 94       |
| 52) Toluene                 | 9.55  | 92   | 493696   | 12.764 | ug/l   | 98       |

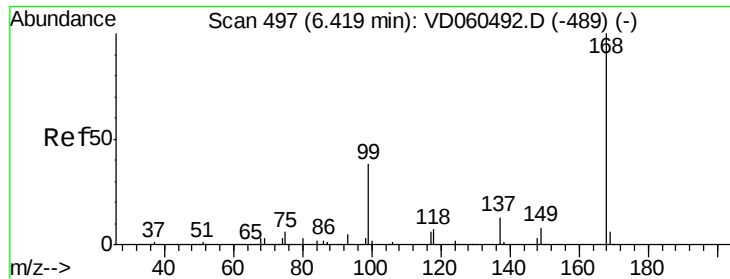
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD121918\  
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Operator : VA/AP  
Sample : J6196-09  
Misc : 6.18G/5ml/MSVOA\_D/SOIL  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-01-121818-B

Quant Time: Dec 20 01:02:59 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 06 01:49:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

Instrument :

MSVOA\_D

ClientSampleId :

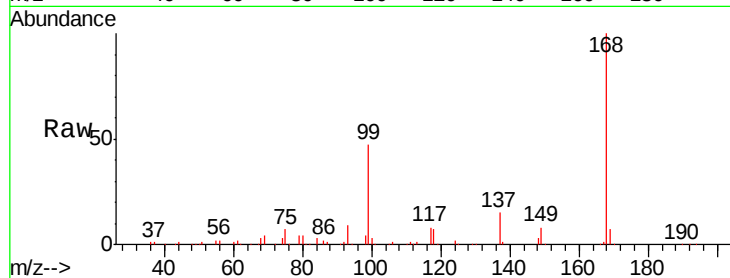
EO-01-121818-B

Tgt Ion:168 Resp: 1725692

Ion Ratio Lower Upper

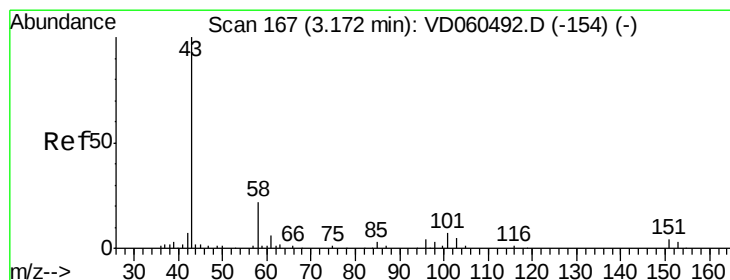
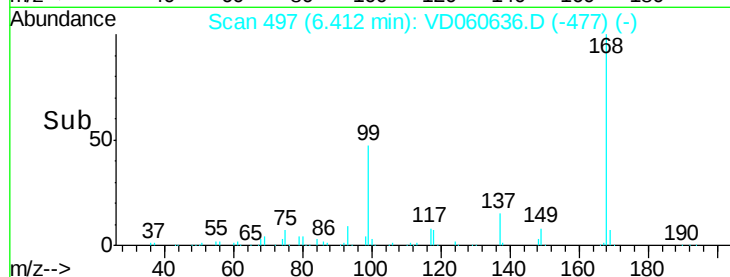
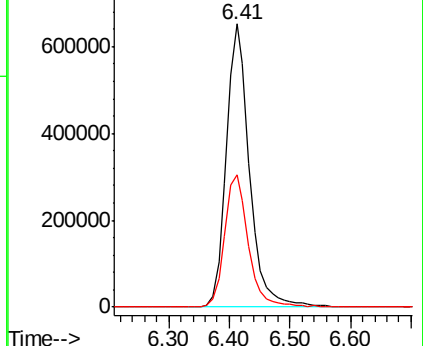
168 100

99 46.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 17.862 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060636.D

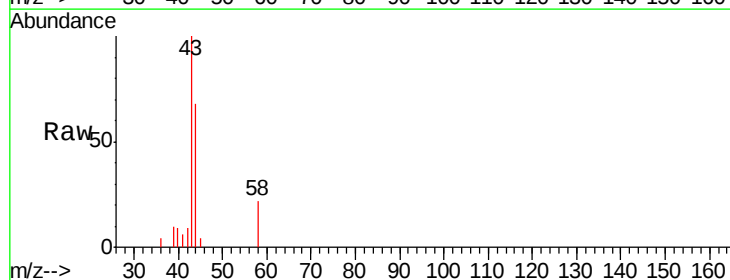
Acq: 19 Dec 2018 13:14

Tgt Ion: 43 Resp: 35020

Ion Ratio Lower Upper

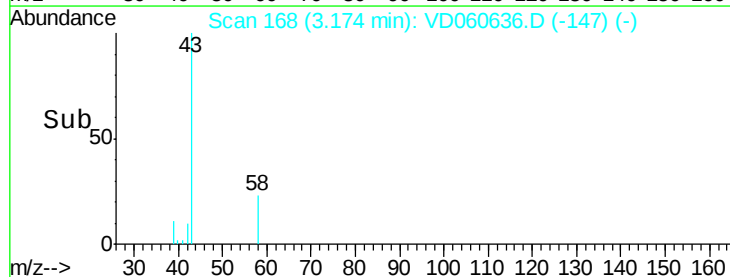
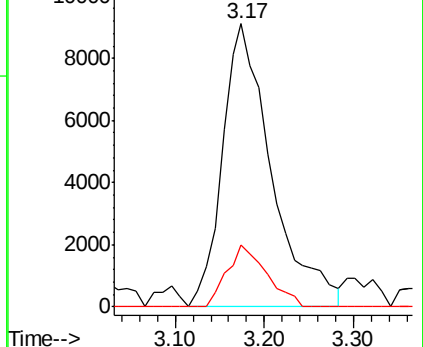
43 100

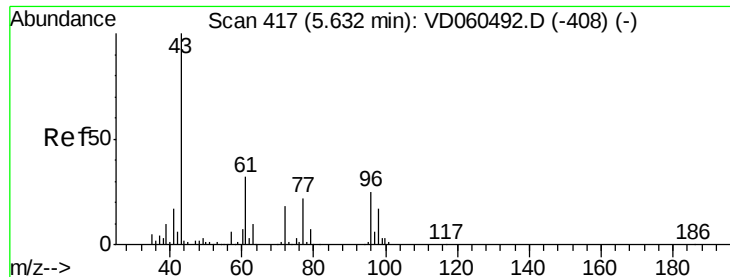
58 22.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 2.092 ug/l

RT: 5.62 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

Instrument :

MSVOA\_D

ClientSampleId :

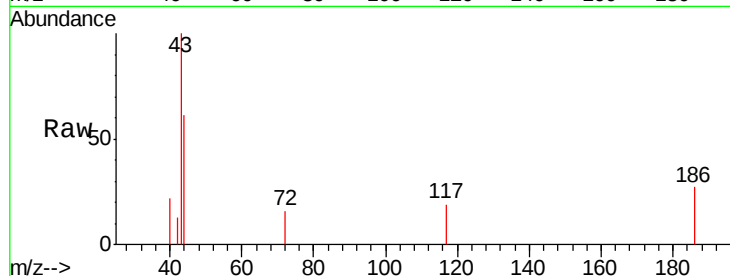
EO-01-121818-B

Tgt Ion: 43 Resp: 8068

Ion Ratio Lower Upper

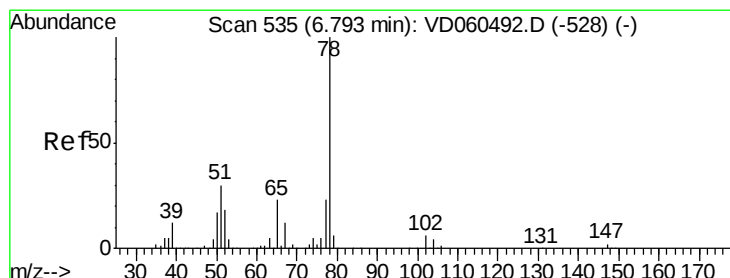
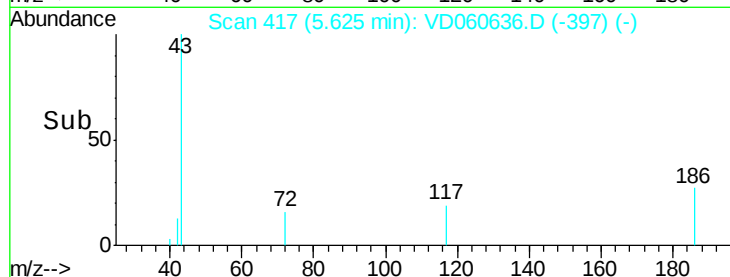
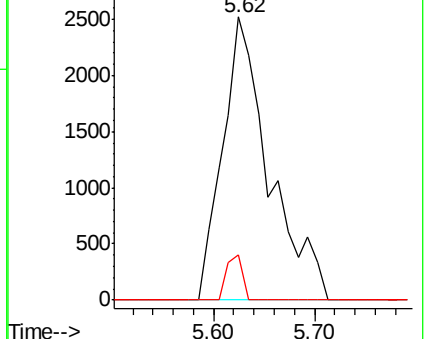
43 100

72 15.9 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060636.D

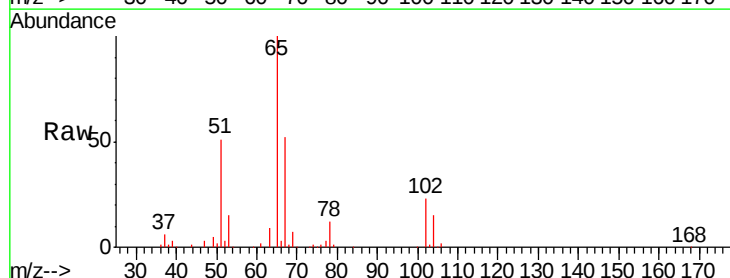
Acq: 19 Dec 2018 13:14

Tgt Ion: 65 Resp: 515655

Ion Ratio Lower Upper

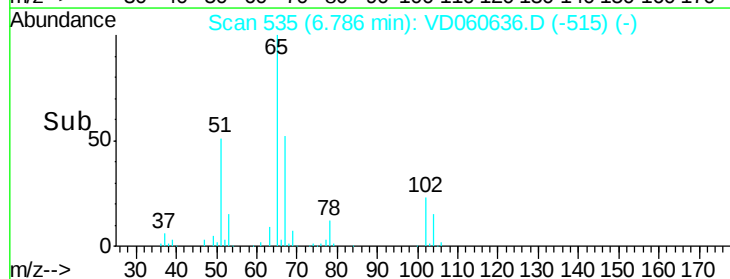
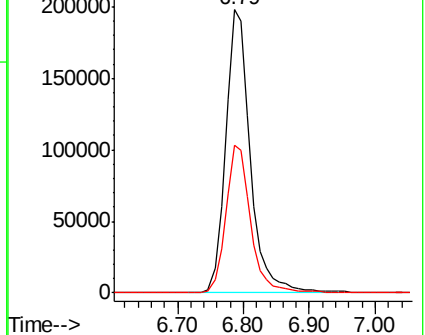
65 100

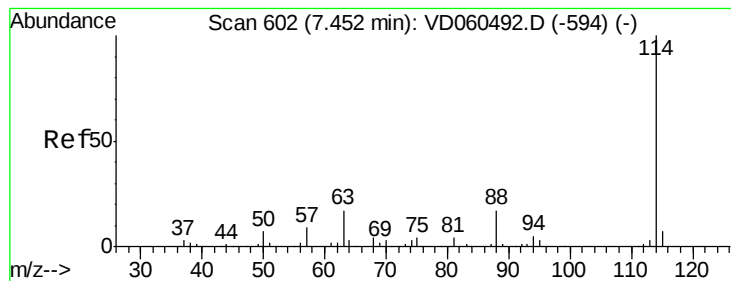
67 52.2 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

Instrument :

MSVOA\_D

ClientSampleId :

EO-01-121818-B

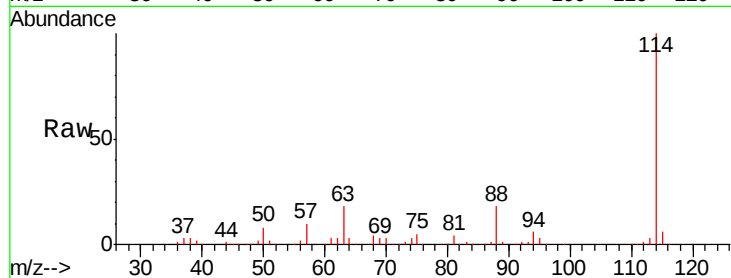
Tgt Ion:114 Resp: 2477139

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.2

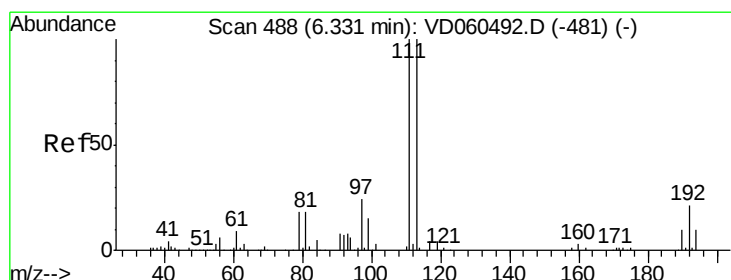
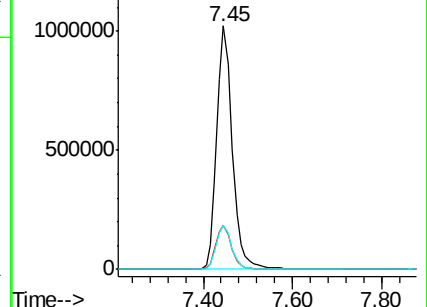
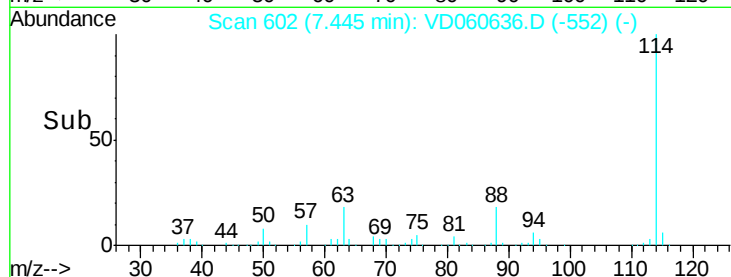
88 18.2 0.0 35.0



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: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

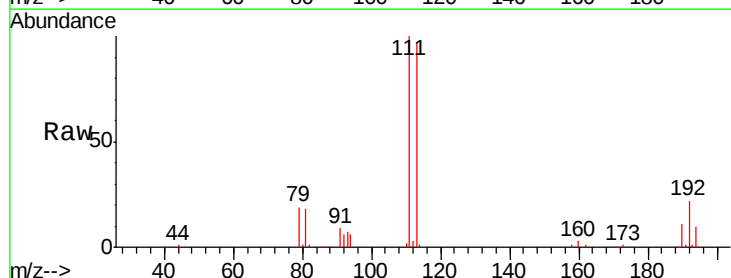
Tgt Ion:113 Resp: 718447

Ion Ratio Lower Upper

113 100

111 103.4 80.2 120.4

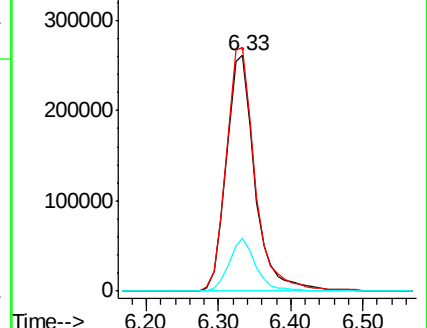
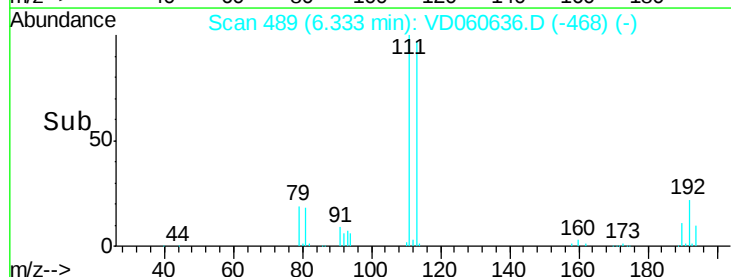
192 22.3 16.6 24.8

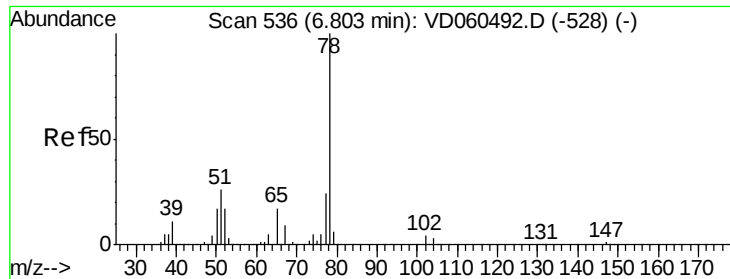


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 1.289 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

Instrument :

MSVOA\_D

ClientSampleId :

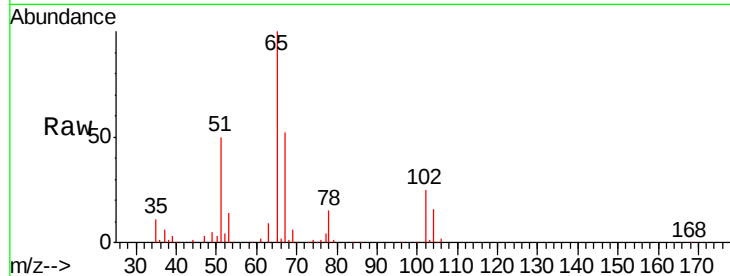
EO-01-121818-B

Tgt Ion: 78 Resp: 79749

Ion Ratio Lower Upper

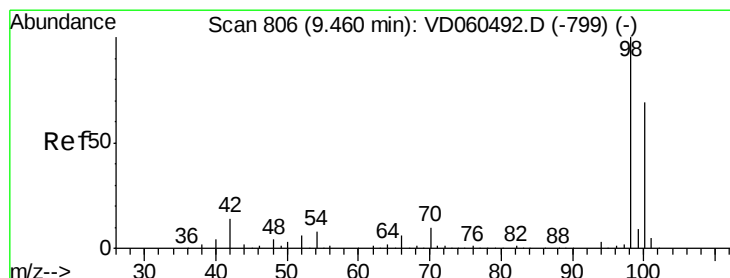
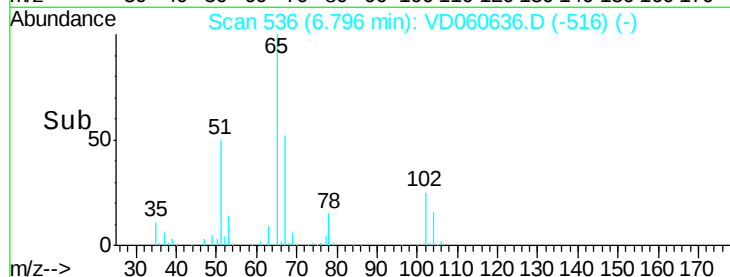
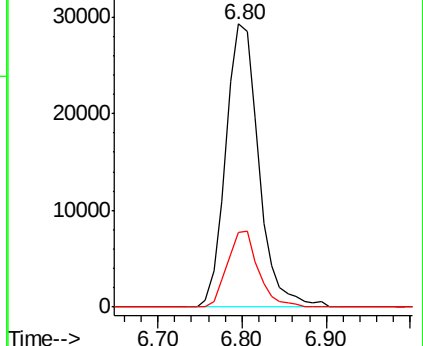
78 100

77 26.6 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060636.D

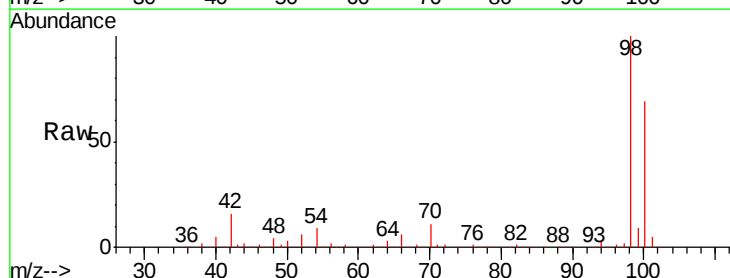
Acq: 19 Dec 2018 13:14

Tgt Ion: 98 Resp: 1873562

Ion Ratio Lower Upper

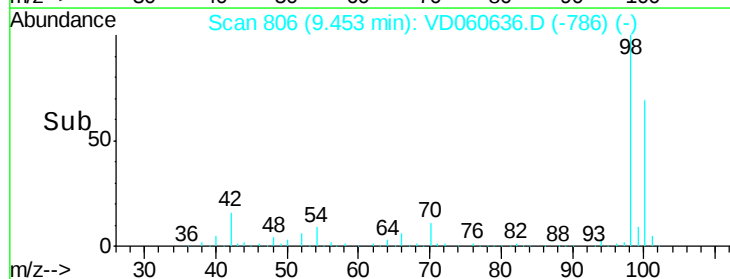
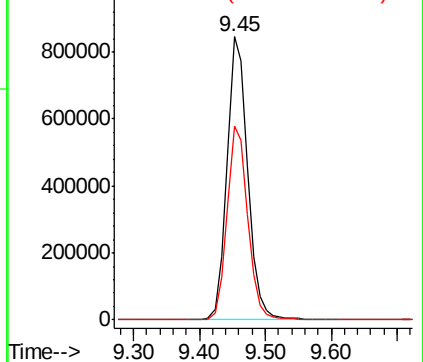
98 100

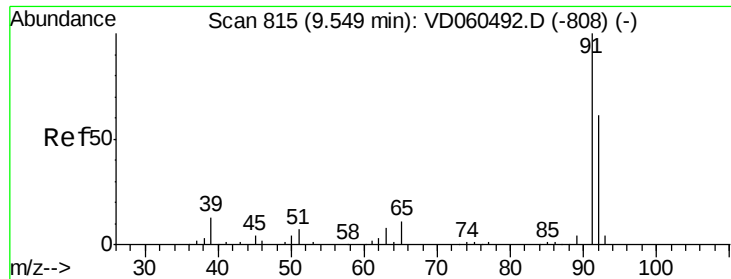
100 68.5 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 12.764 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

Instrument :

MSVOA\_D

ClientSampleId :

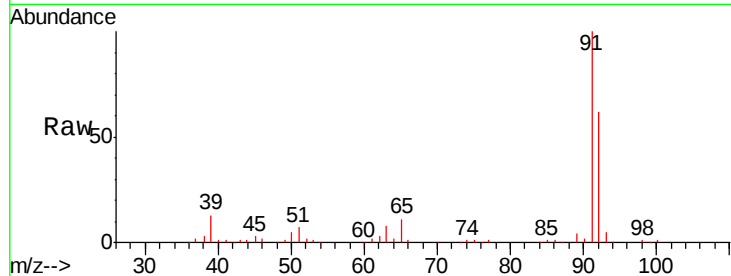
EO-01-121818-B

Tgt Ion: 92 Resp: 493696

Ion Ratio Lower Upper

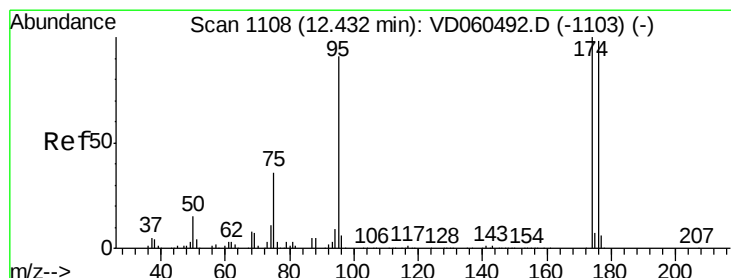
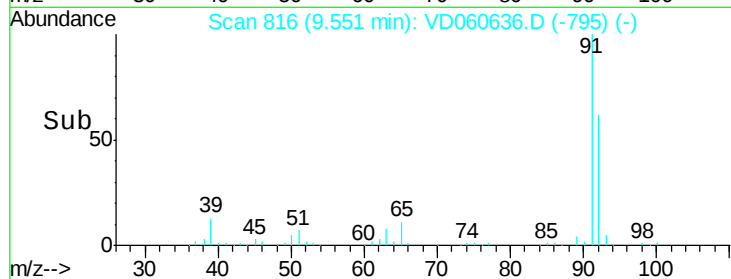
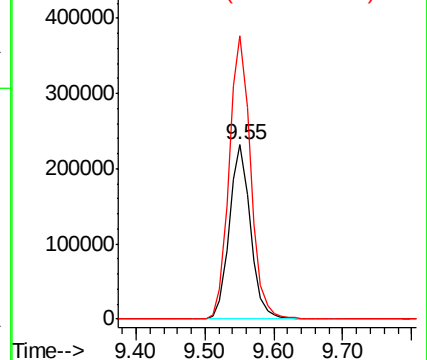
92 100

91 162.4 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060636.D

Acq: 19 Dec 2018 13:14

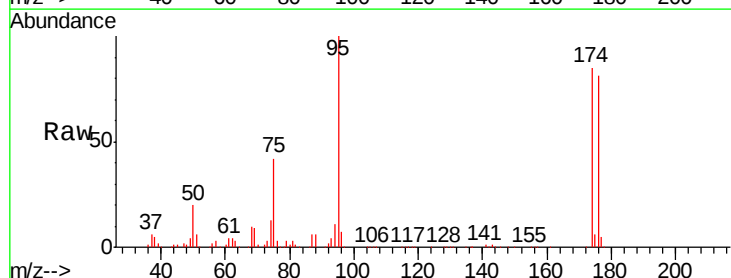
Tgt Ion: 95 Resp: 616936

Ion Ratio Lower Upper

95 100

174 85.3 0.0 219.4

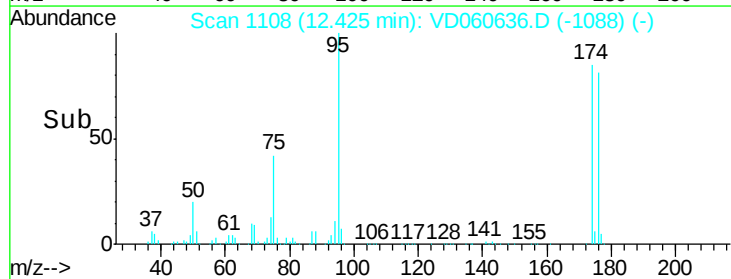
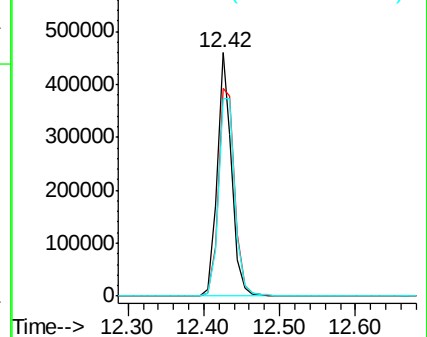
176 81.2 0.0 214.6

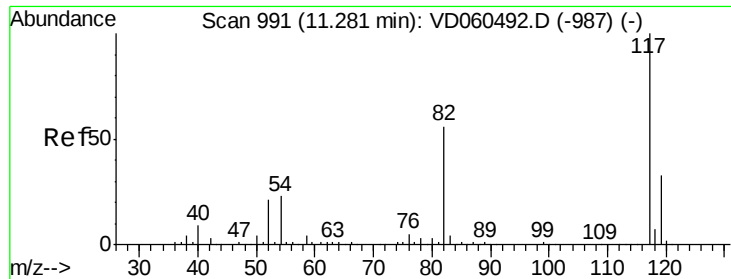


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

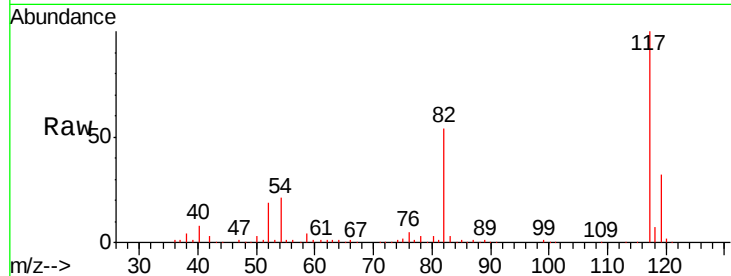




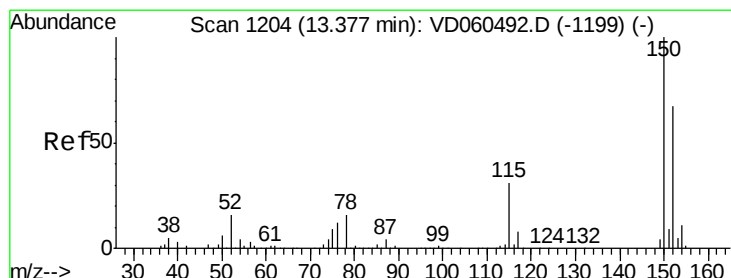
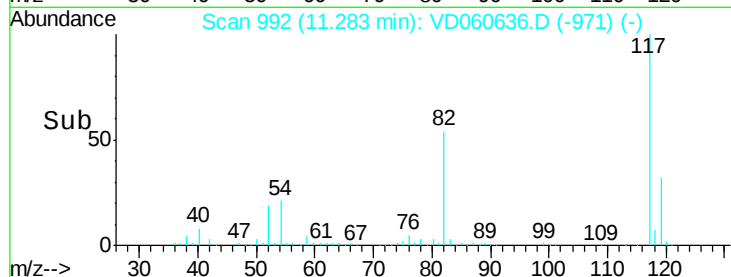
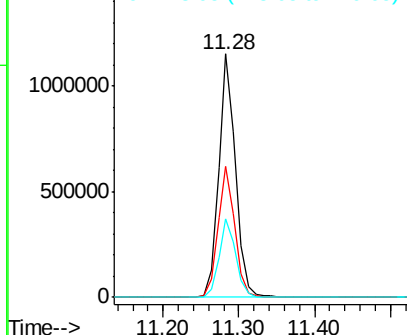
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VD060636.D  
Acq: 19 Dec 2018 13:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-01-121818-B

Tgt Ion:117 Resp: 1788608  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.2 67.8  
119 32.4 26.1 39.1

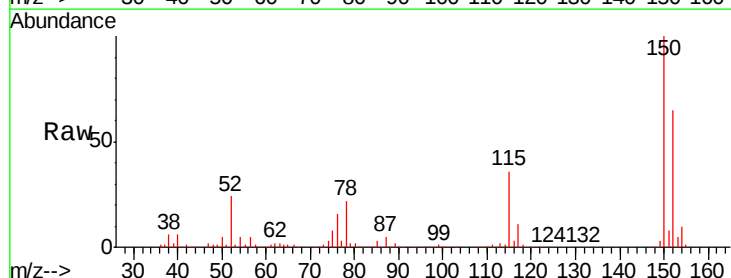


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.37 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: VD060636.D  
Acq: 19 Dec 2018 13:14

Tgt Ion:152 Resp: 740085  
Ion Ratio Lower Upper  
152 100  
115 55.7 24.6 74.0  
150 154.4 0.0 309.0



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

