

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\  
 Data File : VD060254.D  
 Acq On : 31 Oct 2018 21:06  
 Operator : VA/AP  
 Sample : J5737-01  
 Misc : 5.62g/5ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-A

Quant Time: Nov 01 00:55:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

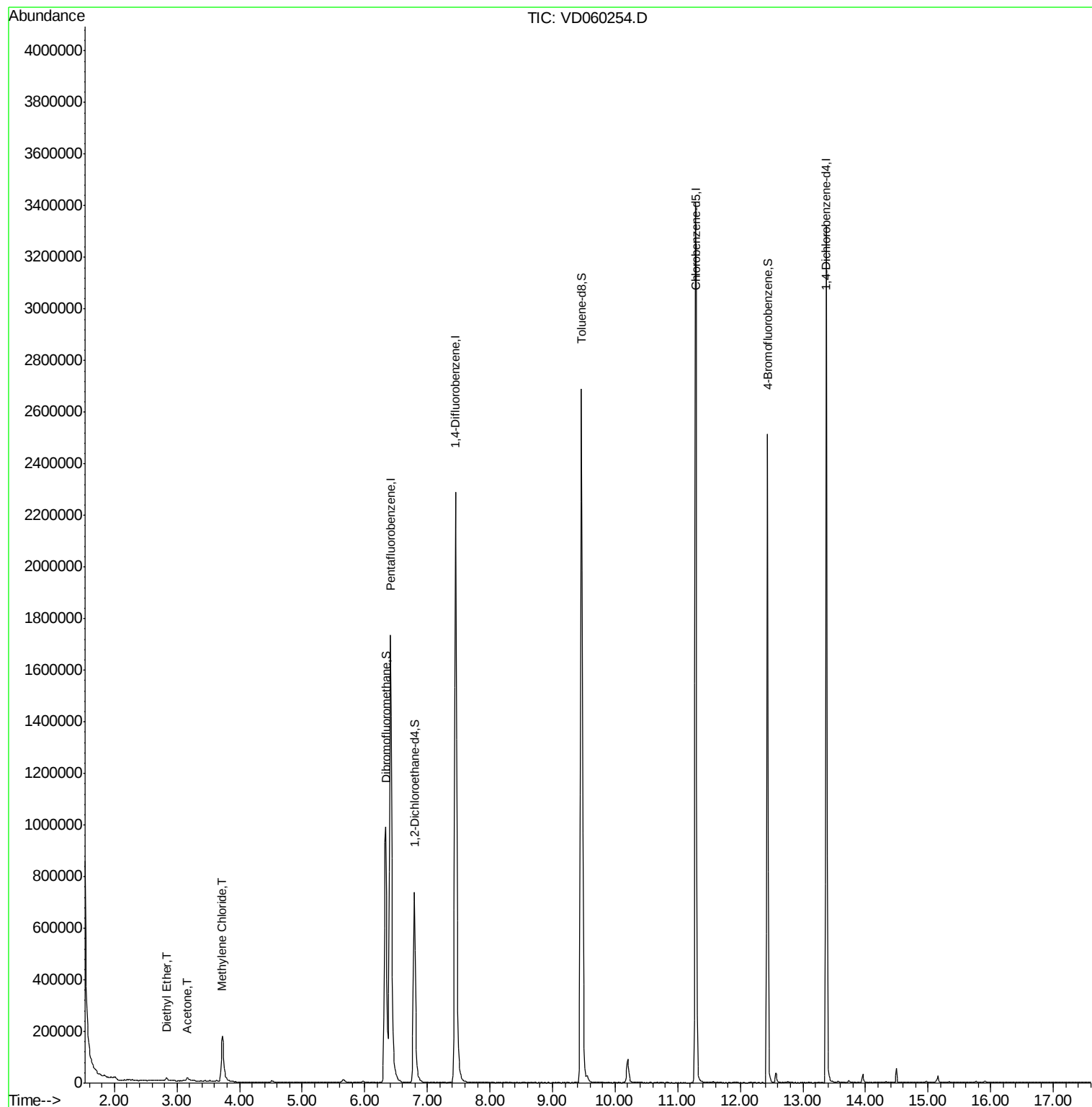
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 6.41  | 168  | 1683473  | 50.00  | ug/l    | 0.03     |
| 34) 1,4-Difluorobenzene     | 7.45  | 114  | 2469605  | 50.00  | ug/l    | 0.03     |
| 63) Chlorobenzene-d5        | 11.28 | 117  | 1958138  | 50.00  | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 13.38 | 152  | 872212   | 50.00  | ug/l    | 0.02     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.80  | 65   | 641348   | 50.26  | ug/l    | 0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.52% |          |
| 35) Dibromofluoromethane    | 6.33  | 113  | 793851   | 42.33  | ug/l    | 0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.66%  |          |
| 50) Toluene-d8              | 9.46  | 98   | 2181291  | 40.79  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.43 | 95   | 772735   | 38.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 2.83  | 74   | 4554     | 1.583  | ug/l    | 78       |
| 16) Acetone                 | 3.17  | 43   | 27136    | 11.719 | ug/l #  | 80       |
| 20) Methylene Chloride      | 3.73  | 84   | 114998   | 2.198  | ug/l    | 97       |

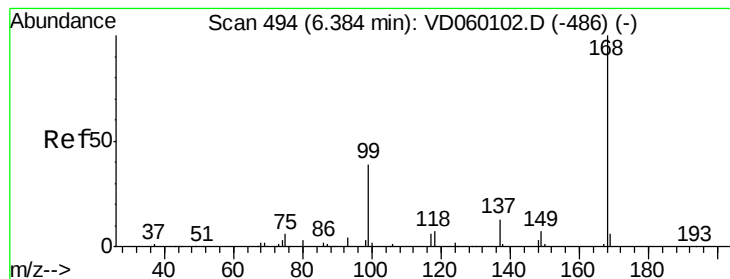
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103118\  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-A

Quant Time: Nov 01 00:55:08 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

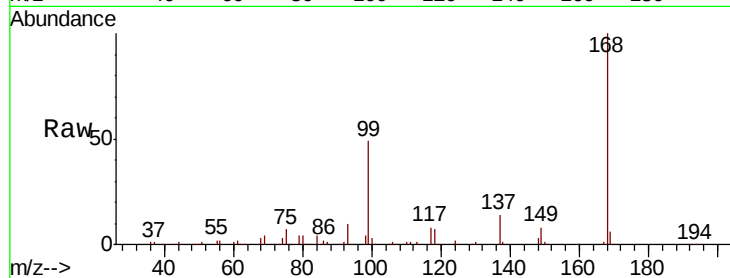
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-A

Tot Ion:168 Resp: 1683473

Ion Ratio Lower Upper

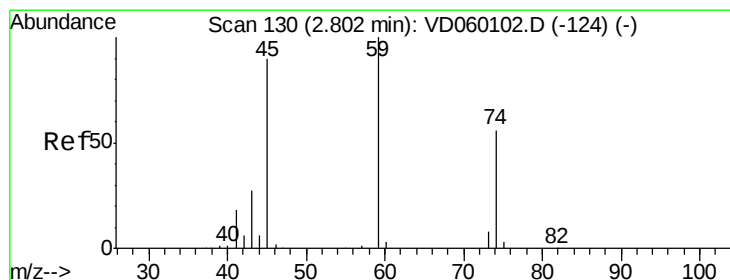
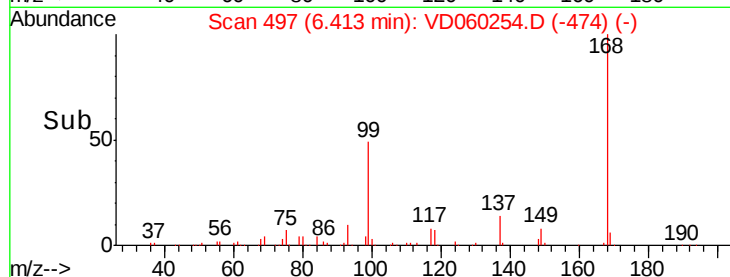
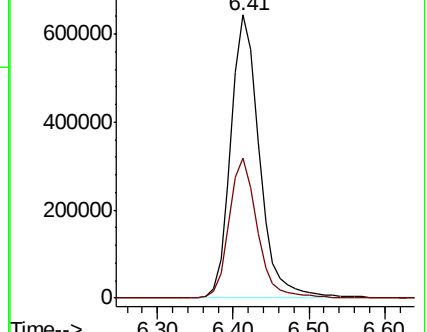
168 100

99 49.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.583 ug/l

RT: 2.83 min Scan# 133

Delta R.T. 0.03 min

Lab File: VD060254.D

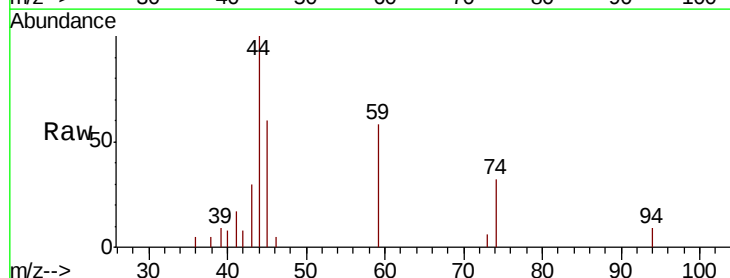
Acq: 31 Oct 2018 21:06

Tgt Ion: 74 Resp: 4554

Ion Ratio Lower Upper

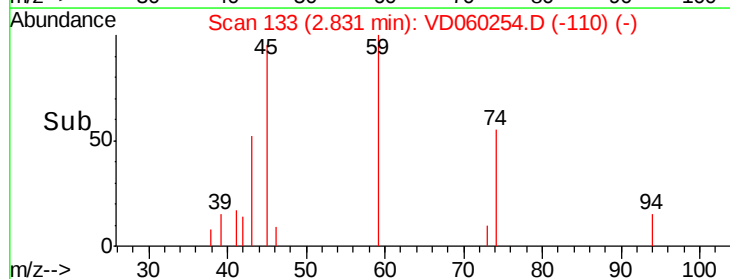
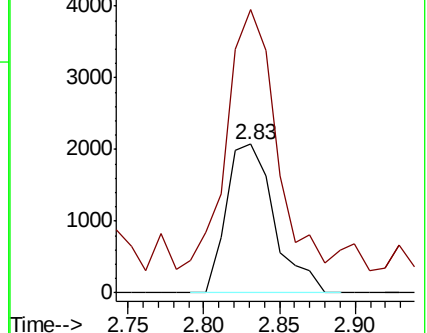
74 100

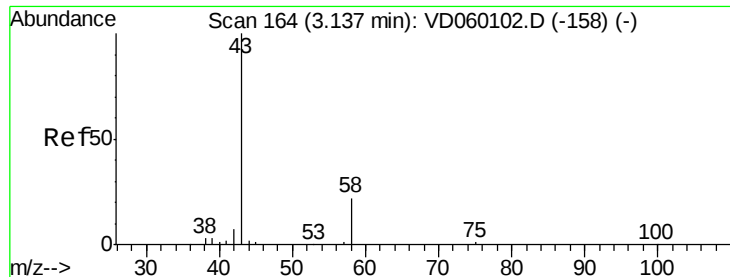
45 190.2 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 11.719 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA\_D

ClientSampleId :

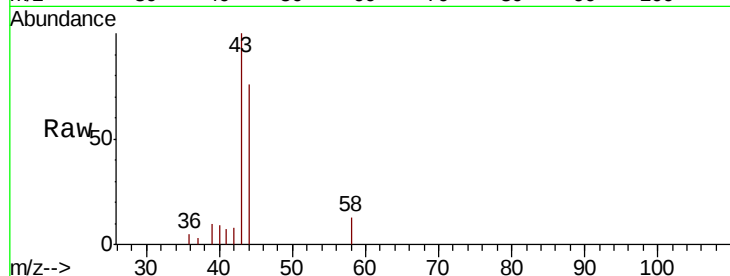
TP-A

Tot Ion: 43 Resp: 27136

Ion Ratio Lower Upper

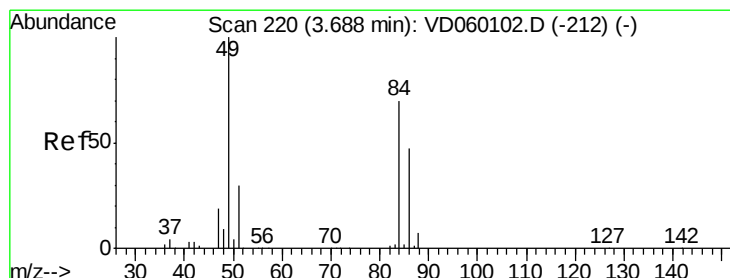
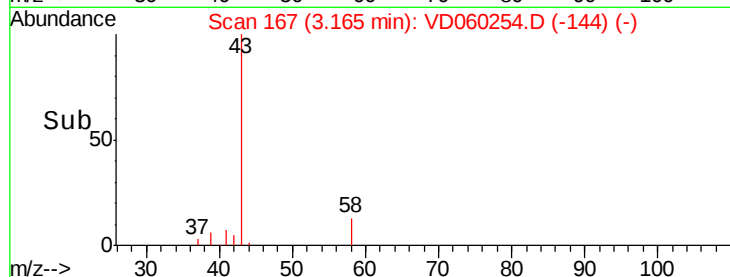
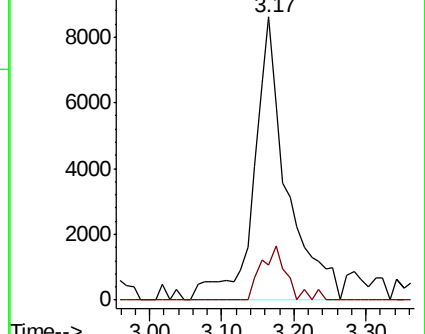
43 100

58 12.6 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.198 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.04 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Tgt Ion: 84 Resp: 114998

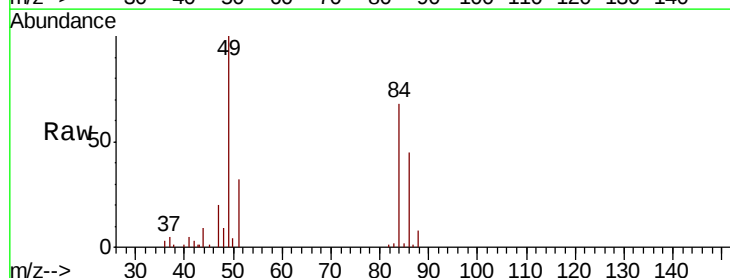
Ion Ratio Lower Upper

84 100

49 147.2 114.6 172.0

51 47.2 33.8 50.8

86 66.0 53.3 79.9

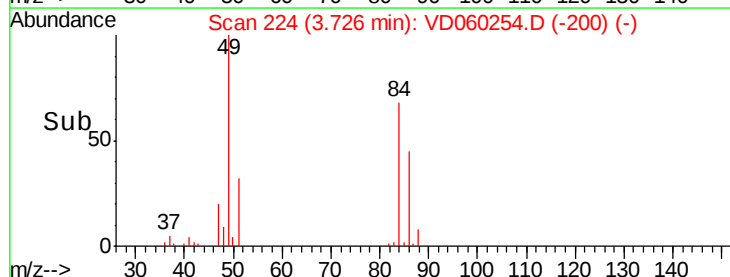
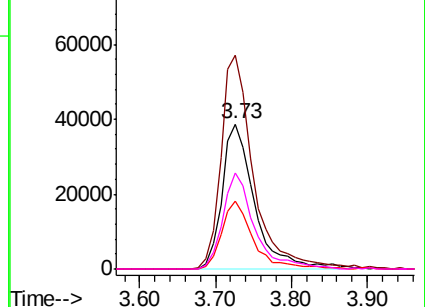


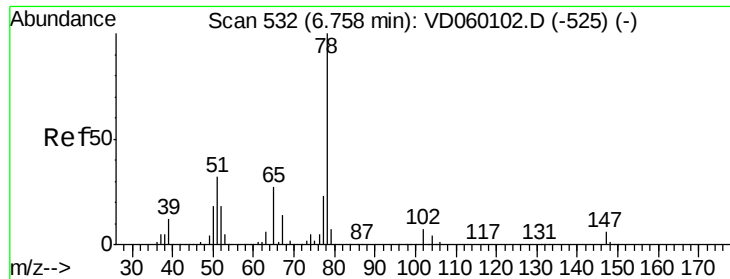
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.04 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA\_D

ClientSampled :

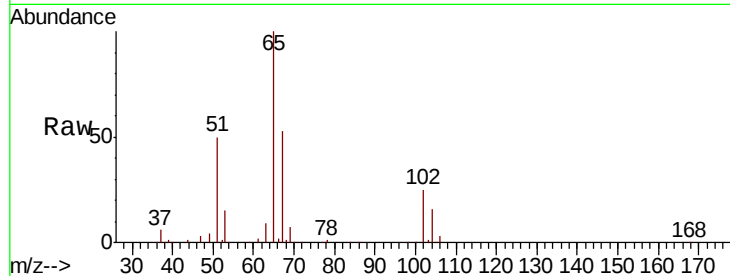
TP-A

Tot Ion: 65 Resp: 641348

Ion Ratio Lower Upper

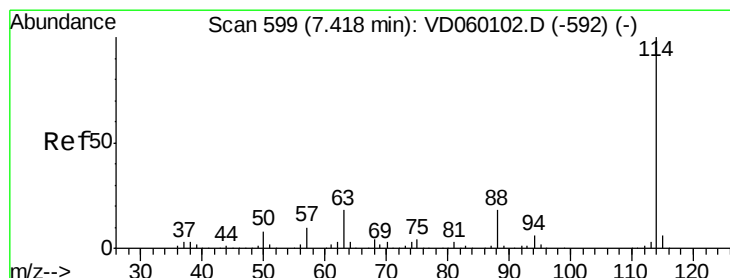
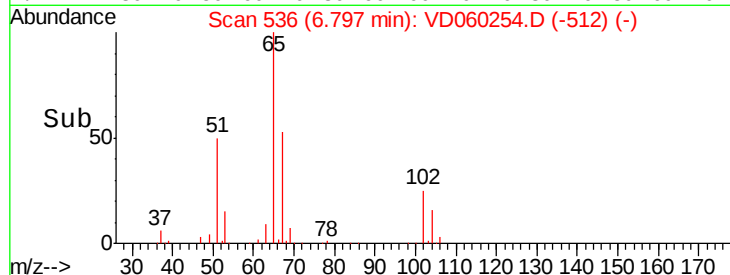
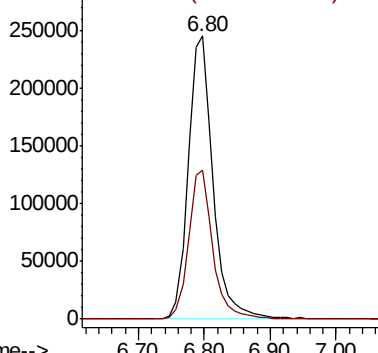
65 100

67 52.8 0.0 106.2



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. 0.03 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

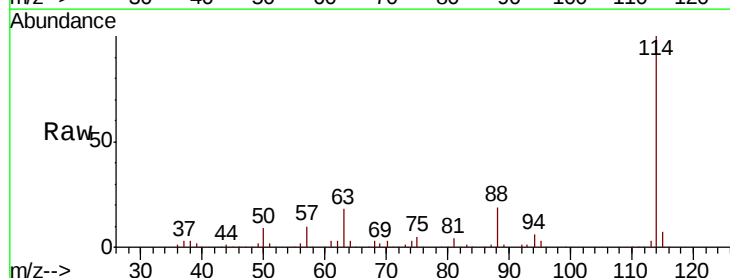
Tgt Ion: 114 Resp: 2469605

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

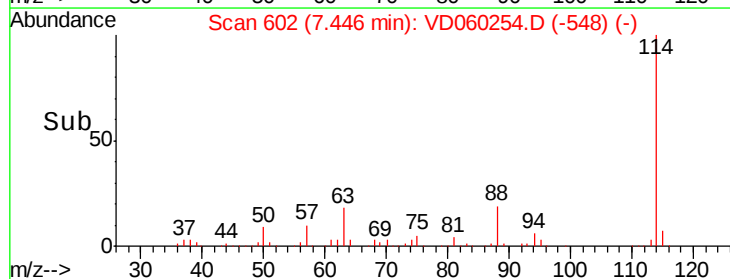
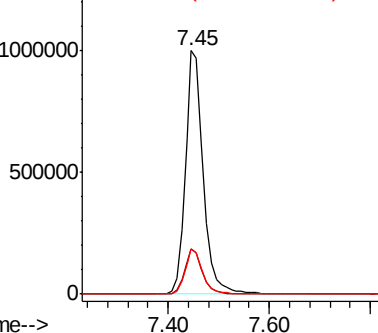
88 18.6 0.0 36.2

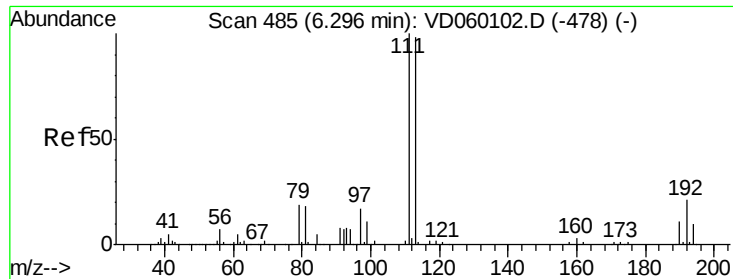


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.33 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA\_D

ClientSampleId :

TP-A

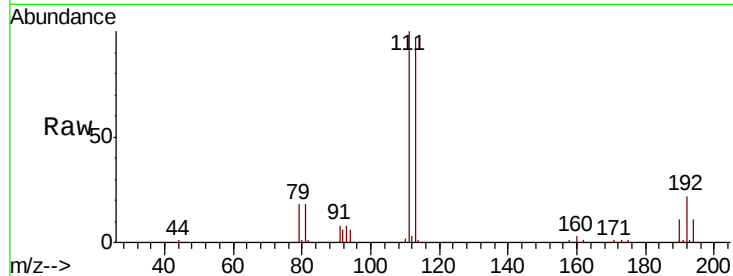
Tot Ion:113 Resp: 793851

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

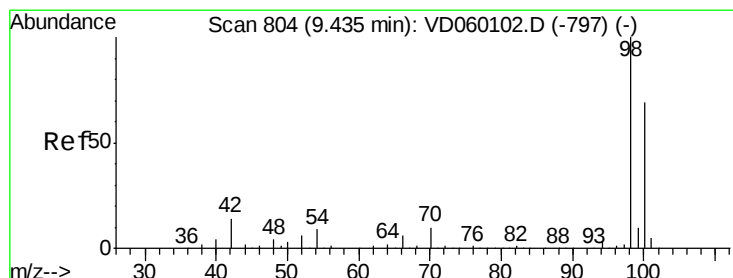
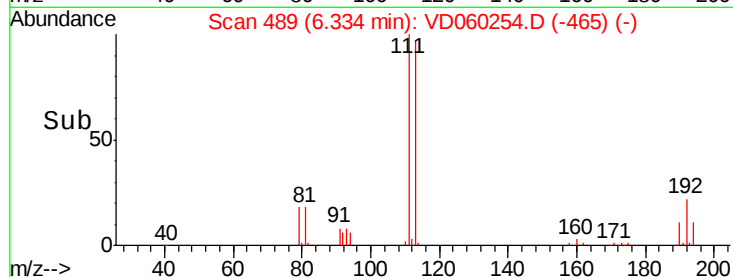
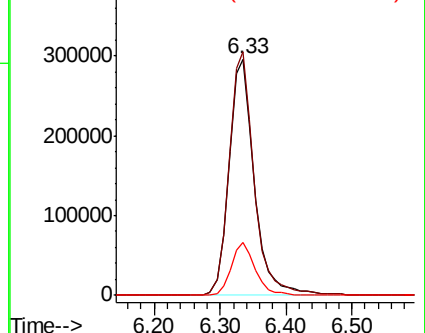
192 22.3 17.4 26.0



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: 9.46 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060254.D

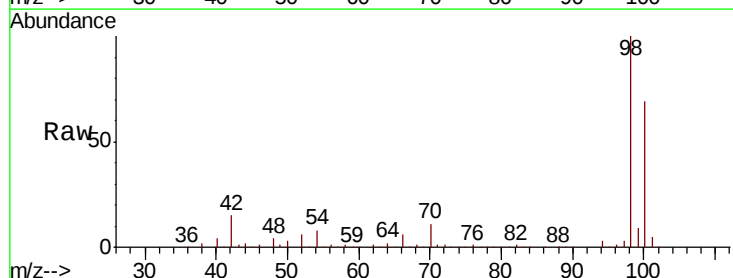
Acq: 31 Oct 2018 21:06

Tgt Ion: 98 Resp: 2181291

Ion Ratio Lower Upper

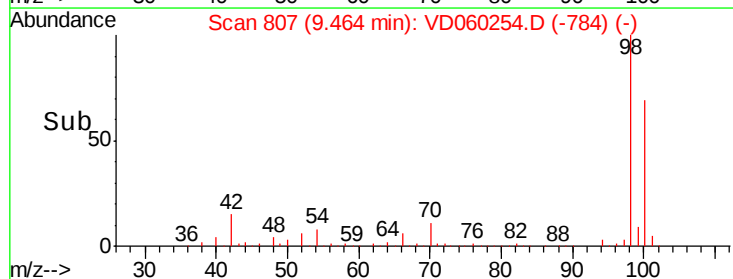
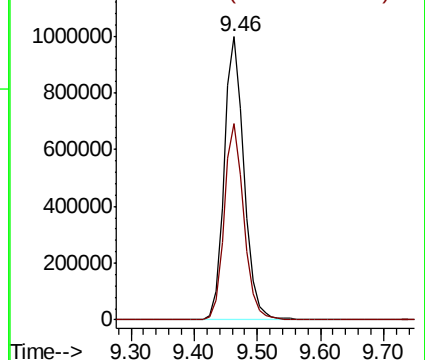
98 100

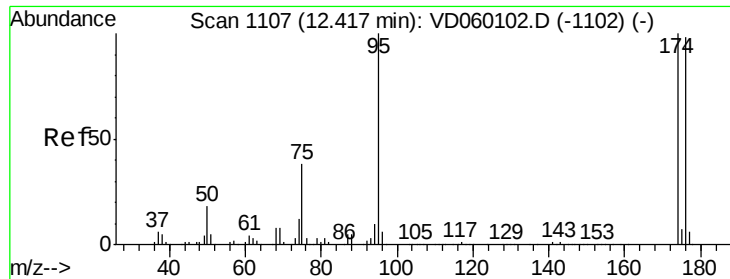
100 69.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

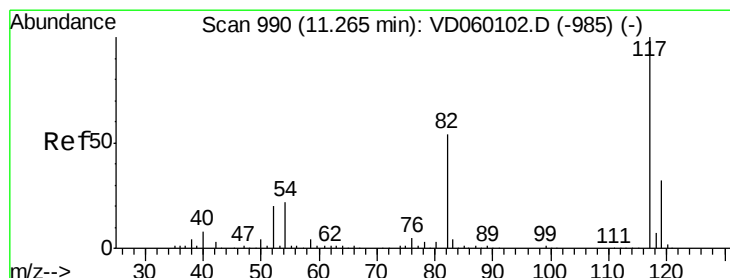
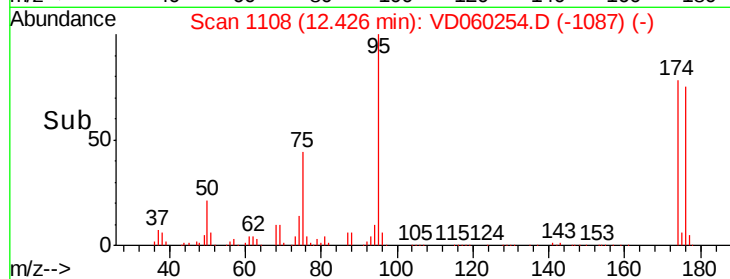
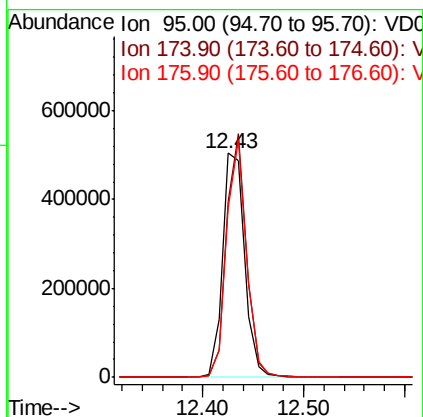
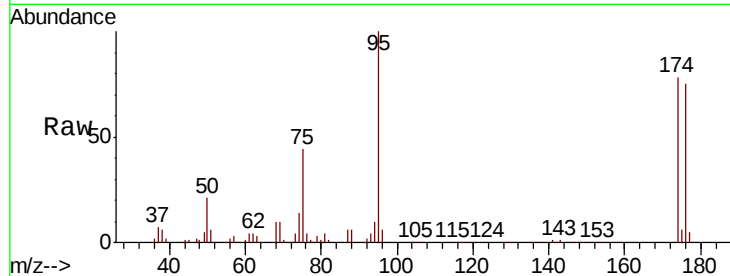




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.43 min Scan# 1108  
Delta R.T. 0.01 min  
Lab File: VD060254.D  
Acq: 31 Oct 2018 21:06

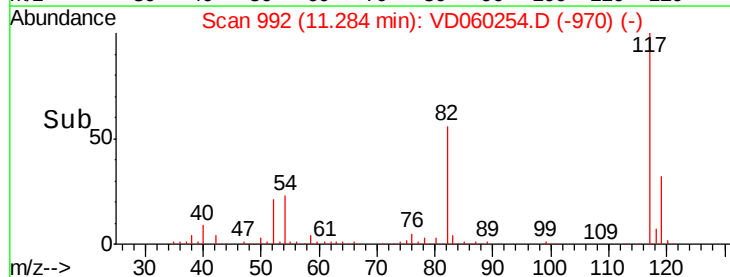
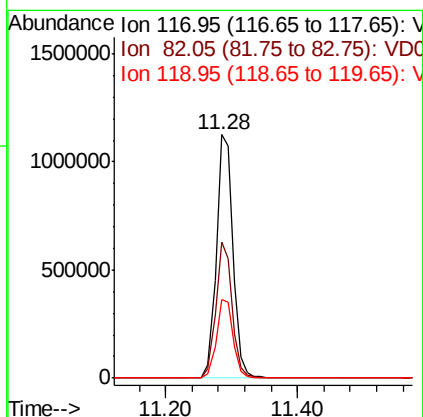
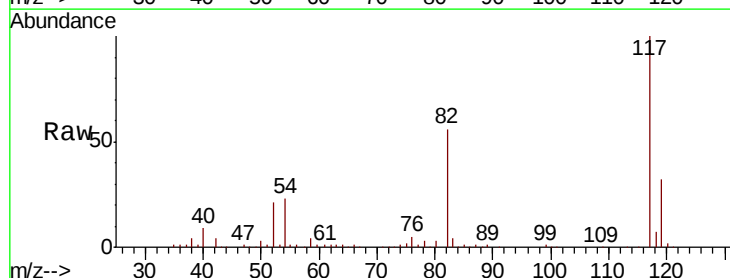
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-A

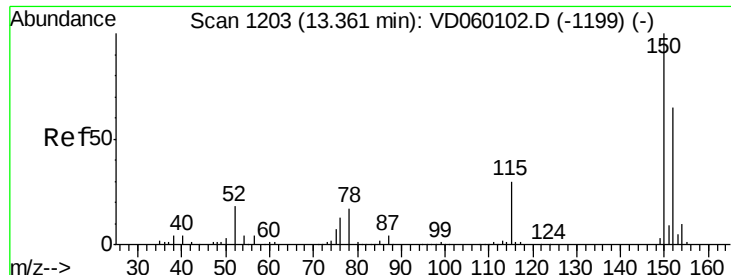
Tot Ion: 95 Resp: 772735  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 200.2  
176 75.5 0.0 195.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 992  
Delta R.T. 0.02 min  
Lab File: VD060254.D  
Acq: 31 Oct 2018 21:06

Tgt Ion: 117 Resp: 1958138  
Ion Ratio Lower Upper  
117 100  
82 55.7 43.4 65.2  
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA\_D

ClientSampleId :

TP-A

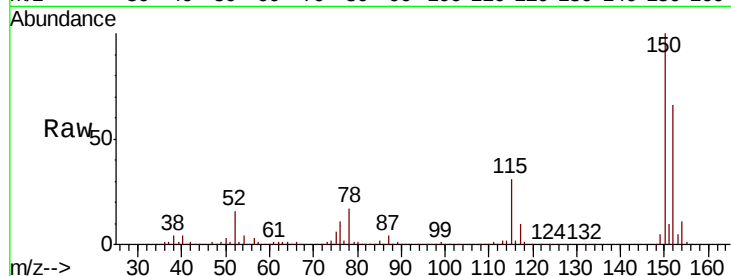
Tot Ion:152 Resp: 872212

Ion Ratio Lower Upper

152 100

115 46.6 27.1 81.2

150 151.4 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

