

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
 Data File : VX007469.D  
 Acq On : 11 Feb 2019 15:46  
 Operator : JC/SP  
 Sample : K1433-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0502-190207

Quant Time: Feb 12 12:26:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

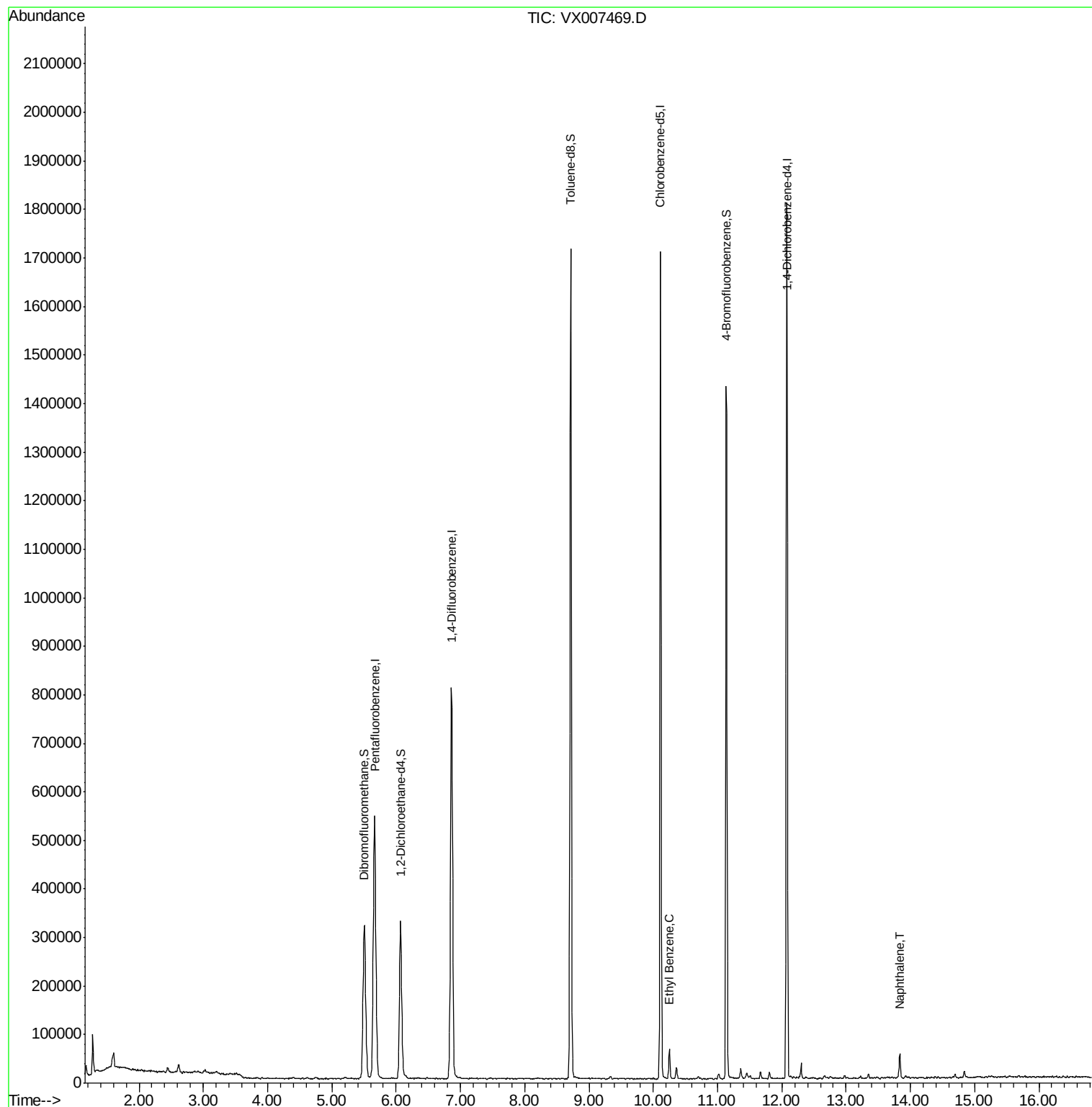
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|--------|------------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 565259   | 50.00 | ug/l   | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 857673   | 50.00 | ug/l   | 0.00       |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 805513   | 50.00 | ug/l   | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 396990   | 50.00 | ug/l   | 0.00       |
| System Monitoring Compounds |       |      |          |       |        |            |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 295212   | 49.20 | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.40% |            |
| 35) Dibromofluoromethane    | 5.51  | 113  | 271089   | 48.58 | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.16% |            |
| 50) Toluene-d8              | 8.71  | 98   | 1026048  | 49.56 | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.12% |            |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 364076   | 48.16 | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.32% |            |
| Target Compounds            |       |      |          |       |        |            |
| 67) Ethyl Benzene           | 10.25 | 91   | 36031    | 1.273 | ug/l   | Qvalue 100 |
| 95) Naphthalene             | 13.83 | 128  | 34799    | 1.300 | ug/l   | 97         |

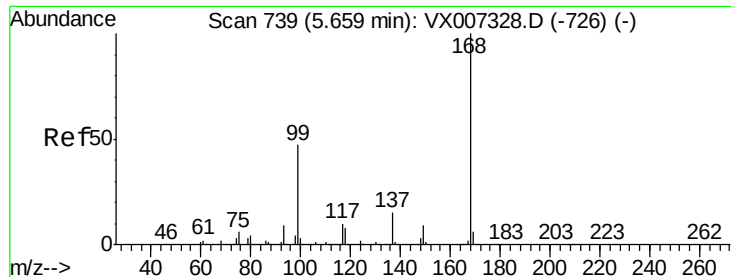
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

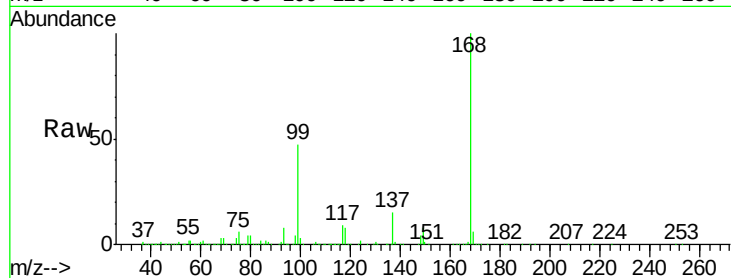
DUP-0502-190207

Tot Ion:168 Resp: 565259

Ion Ratio Lower Upper

168 100

99 47.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

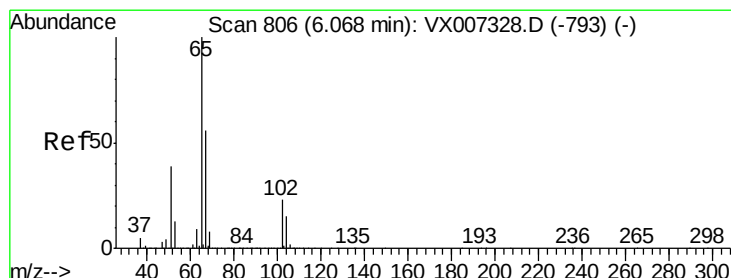
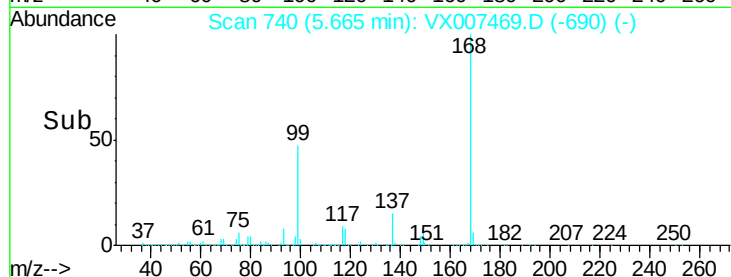
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.204 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007469.D

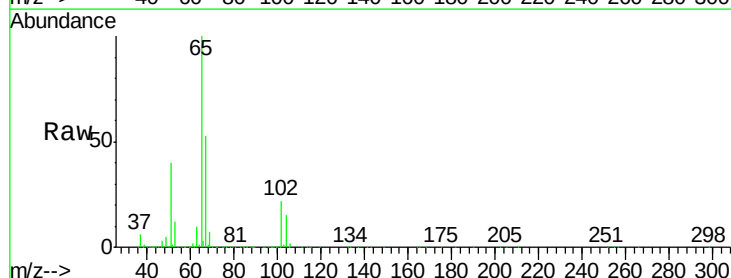
Acq: 11 Feb 2019 15:46

Tgt Ion: 65 Resp: 295212

Ion Ratio Lower Upper

65 100

67 52.4 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

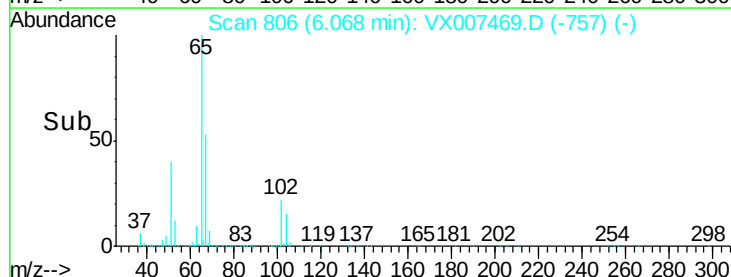
6.07

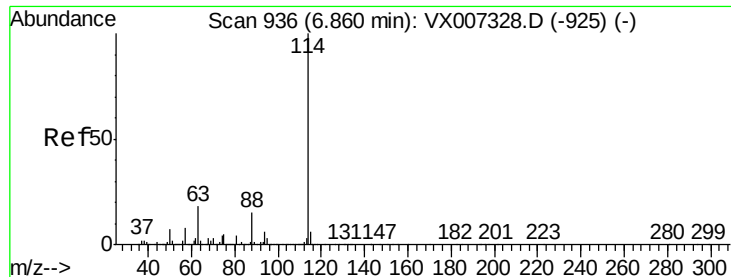
100000

50000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

DUP-0502-190207

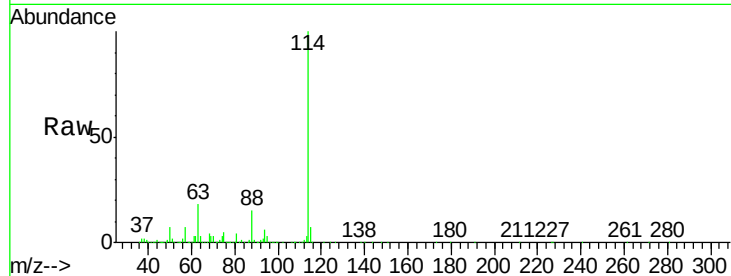
Tot Ion:114 Resp: 857673

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

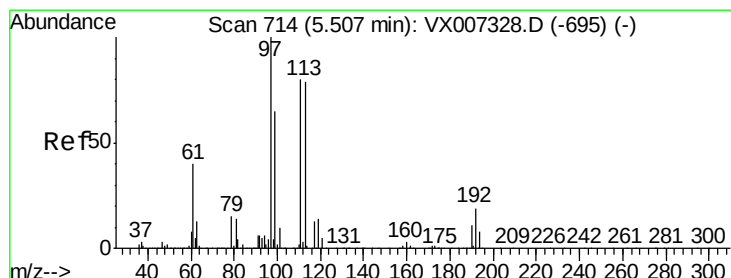
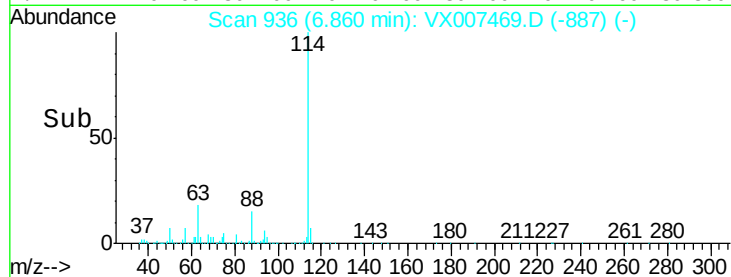
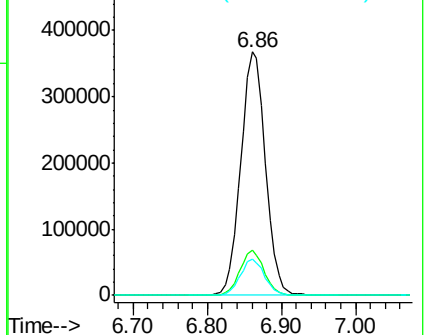
88 14.9 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.577 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

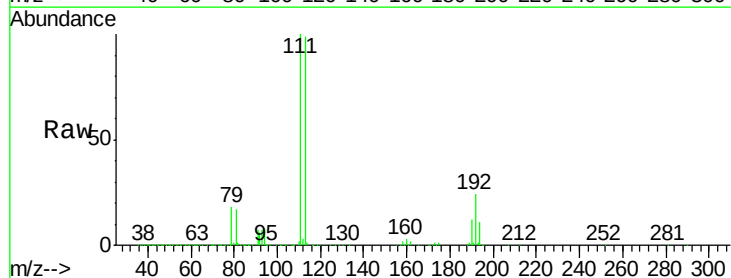
Tgt Ion:113 Resp: 271089

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

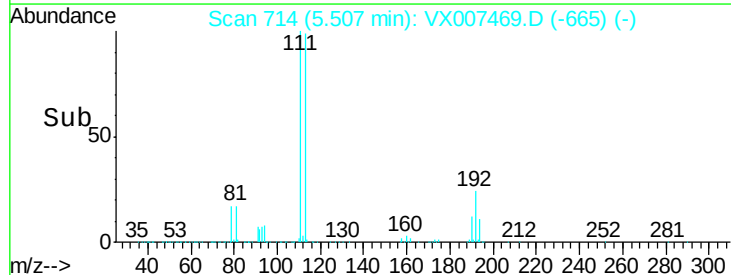
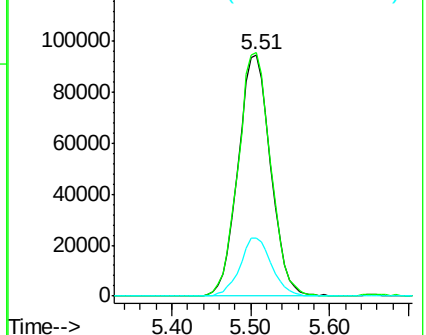
192 23.5 18.5 27.7

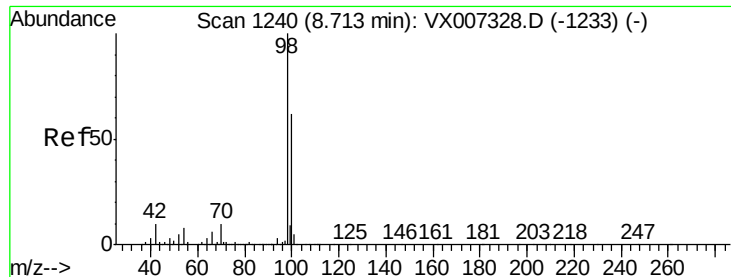


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.556 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

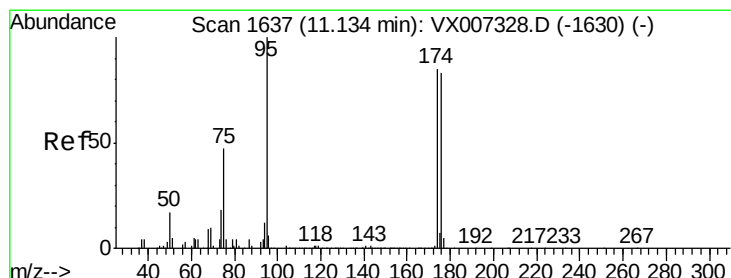
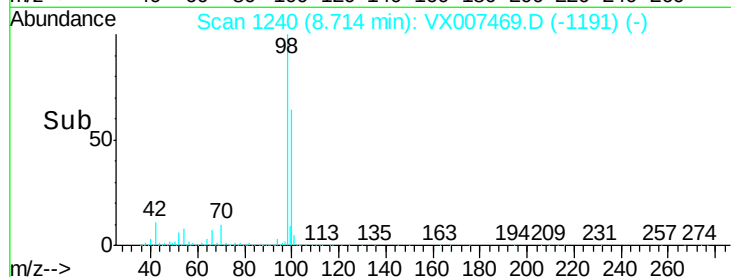
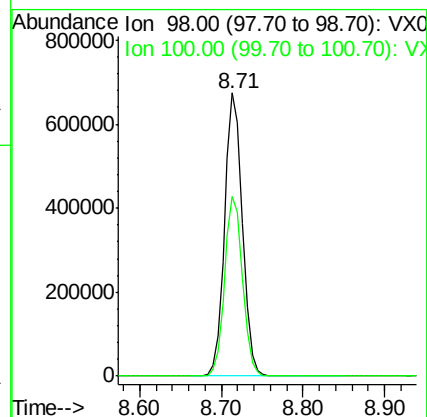
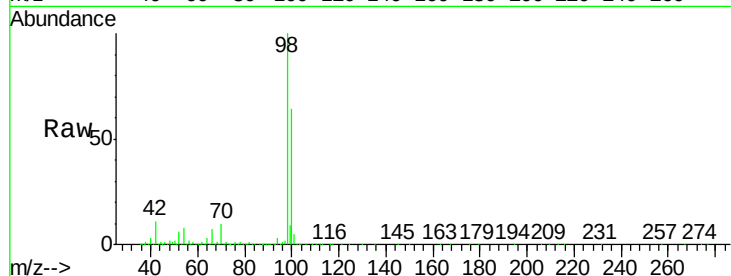
DUP-0502-190207

Tot Ion: 98 Resp: 1026048

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

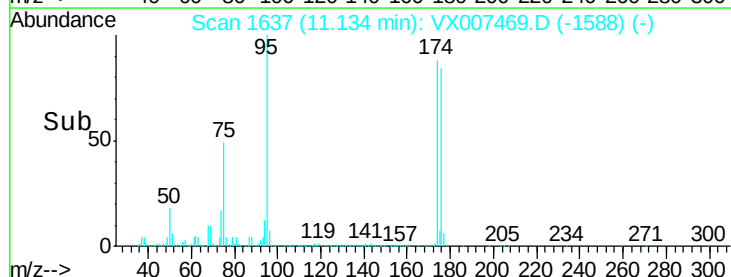
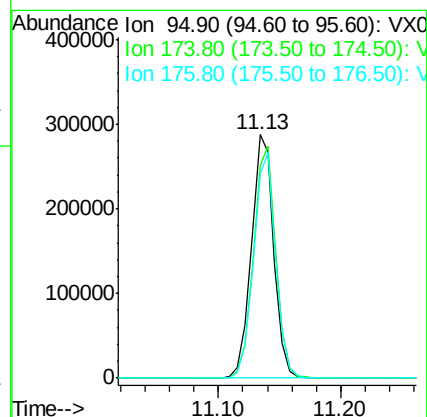
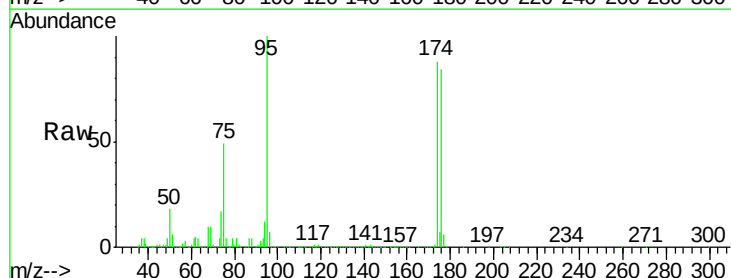
Tgt Ion: 95 Resp: 364076

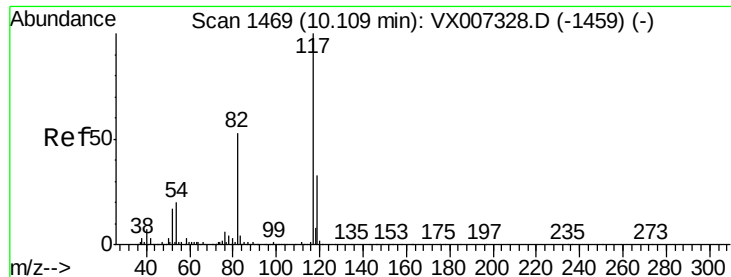
Ion Ratio Lower Upper

95 100

174 95.8 0.0 189.2

176 91.7 0.0 186.2

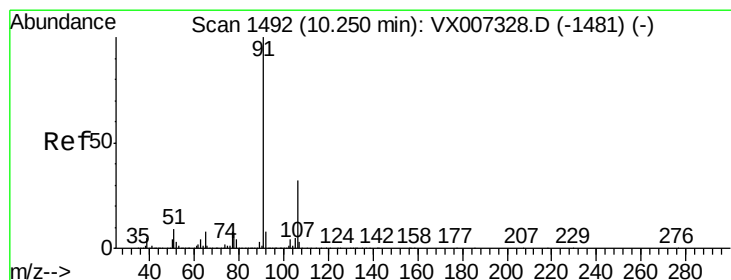
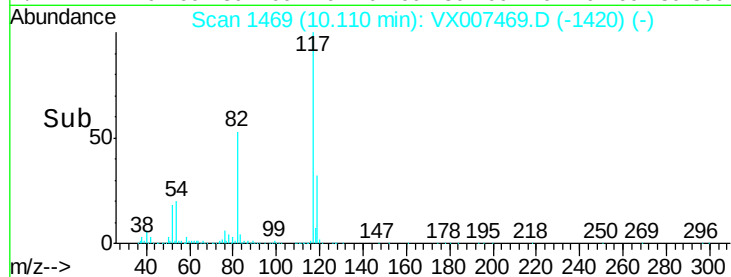
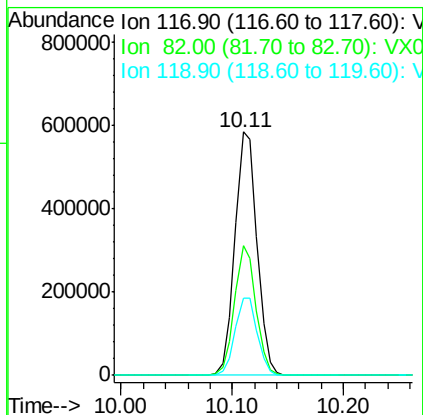
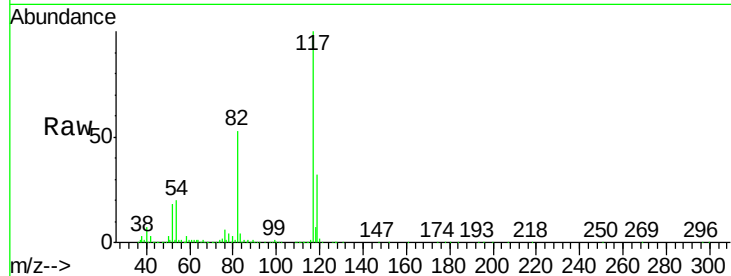




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX007469.D  
Acq: 11 Feb 2019 15:46

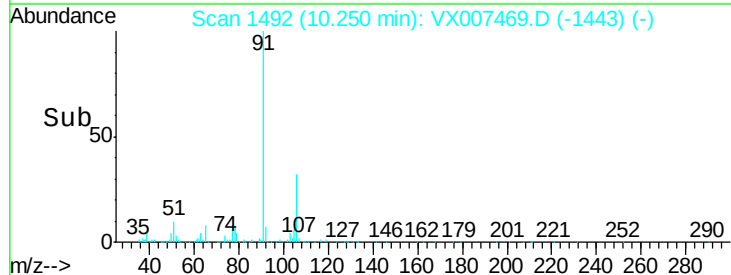
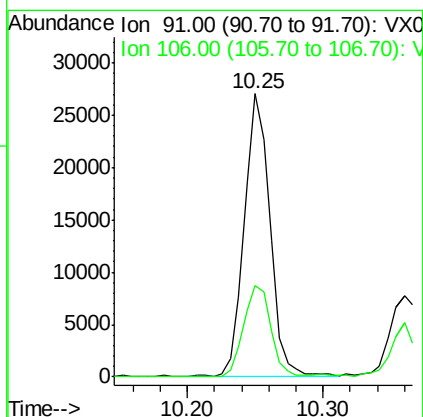
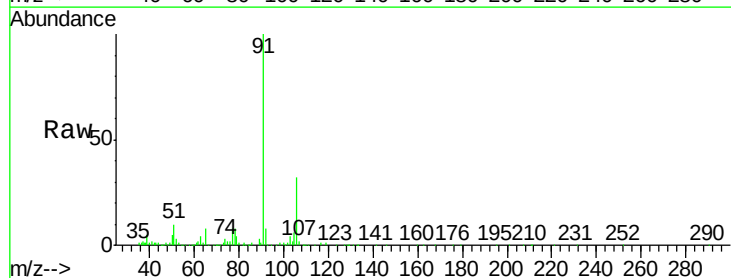
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0502-190207

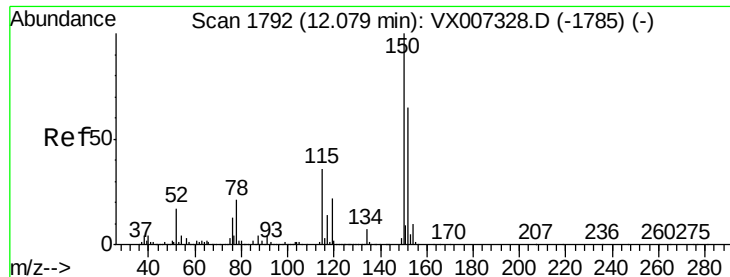
Tot Ion:117 Resp: 805513  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.1 63.1  
119 31.6 26.5 39.7



#67  
Ethyl Benzene  
Concen: 1.273 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX007469.D  
Acq: 11 Feb 2019 15:46

Tgt Ion: 91 Resp: 36031  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

Instrument :

MSVOA\_X

ClientSampleId :

DUP-0502-190207

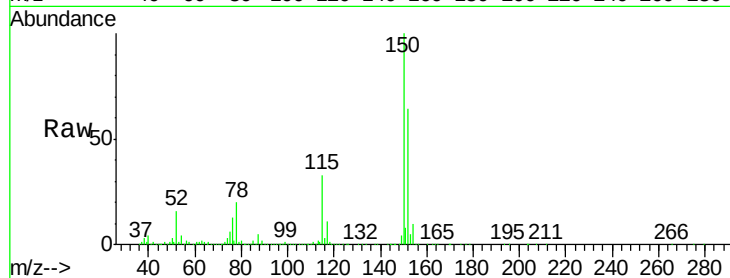
Tot Ion:152 Resp: 396990

Ion Ratio Lower Upper

152 100

115 53.0 38.0 114.0

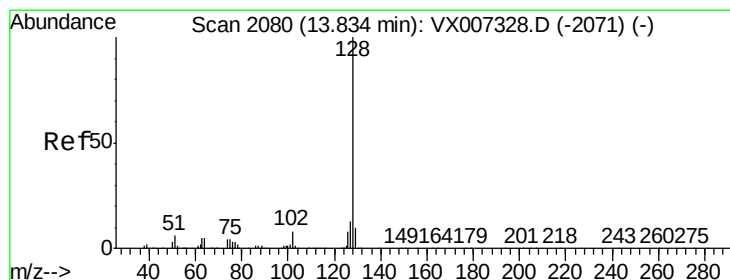
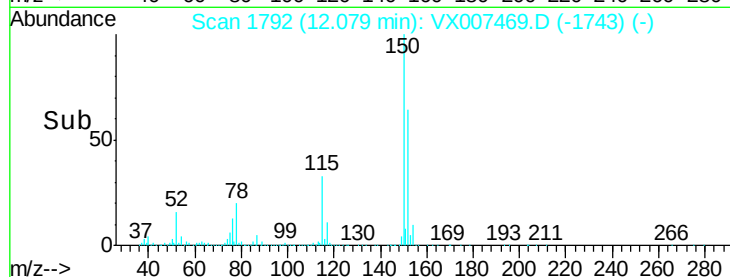
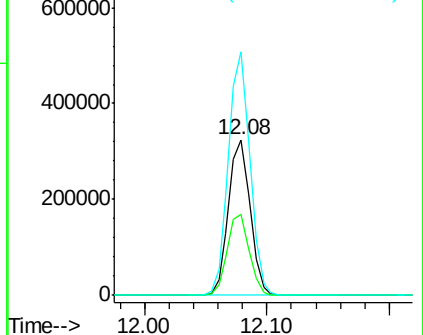
150 155.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 1.300 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007469.D

Acq: 11 Feb 2019 15:46

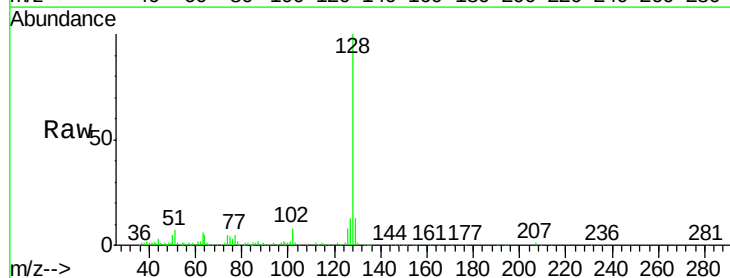
Tgt Ion:128 Resp: 34799

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

129 12.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

