

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022119\  
 Data File : VX007625.D  
 Acq On : 21 Feb 2019 12:42  
 Operator : JC/SP  
 Sample : PB117250TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB117250TB

Quant Time: Feb 22 05:41:34 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

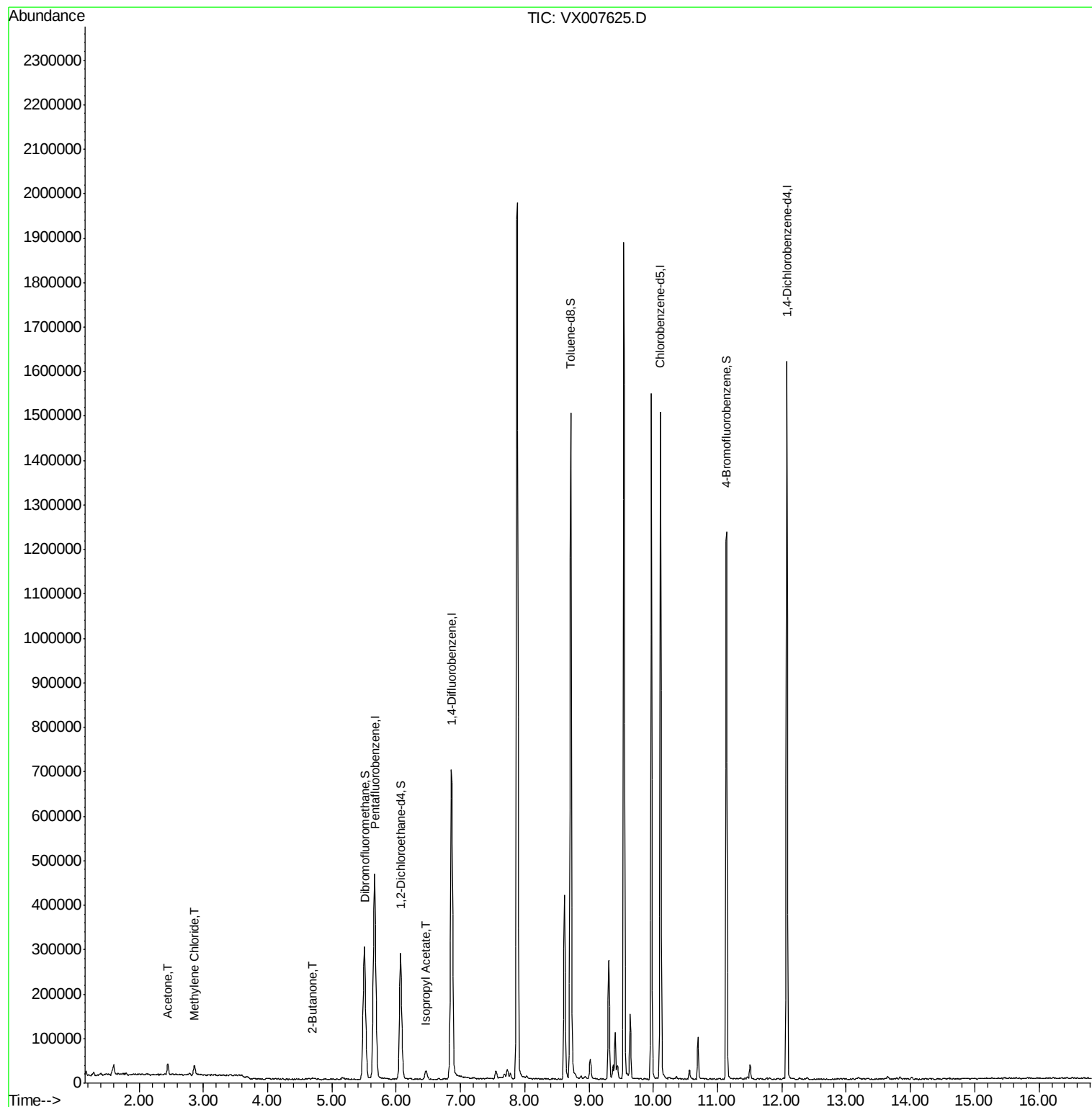
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 477025   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 756738   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 735573   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 344532   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 260352   | 51.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.84% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 249186   | 50.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.22% |          |
| 50) Toluene-d8              | 8.71  | 98   | 925520   | 50.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.32% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 324165   | 48.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 29426    | 12.687 | ug/l    | 94       |
| 20) Methylene Chloride      | 2.86  | 84   | 11086    | 1.962  | ug/l    | 97       |
| 25) 2-Butanone              | 4.71  | 43   | 6319     | 1.914  | ug/l #  | 79       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 25717    | 2.427  | ug/l #  | 92       |

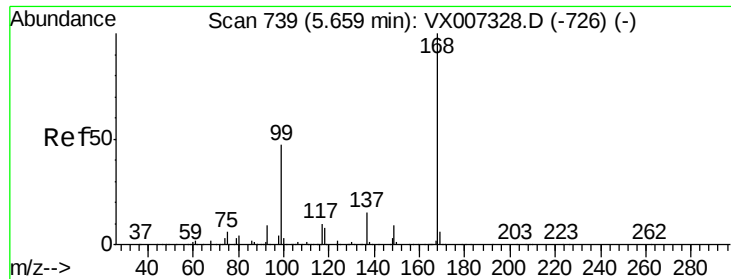
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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: VX007625.D

Acq: 21 Feb 2019 12:42

Instrument :

MSVOA\_X

ClientSampleId :

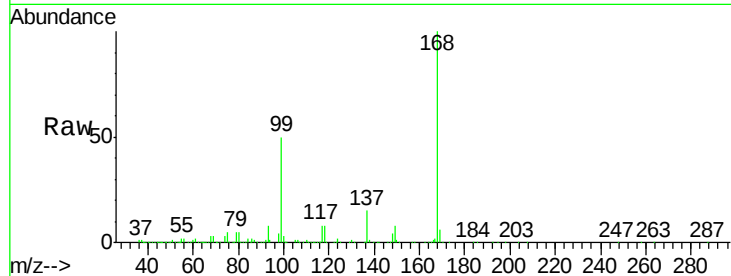
PB117250TB

Tot Ion:168 Resp: 477025

Ion Ratio Lower Upper

168 100

99 49.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

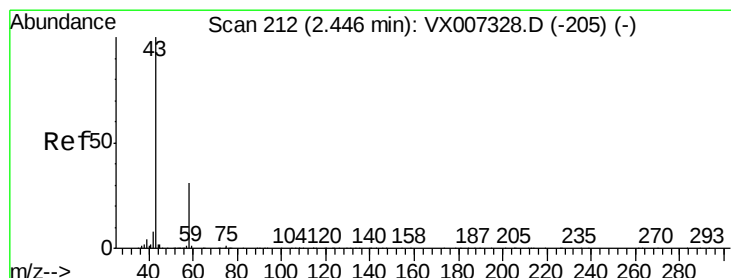
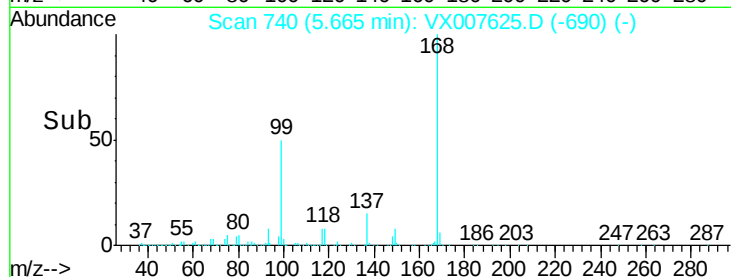
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#16

Acetone

Concen: 12.687 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007625.D

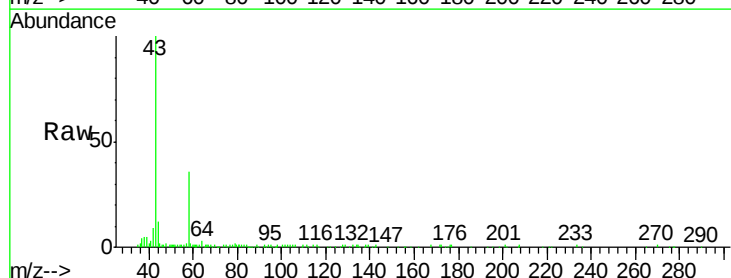
Acq: 21 Feb 2019 12:42

Tgt Ion: 43 Resp: 29426

Ion Ratio Lower Upper

43 100

58 34.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

15000

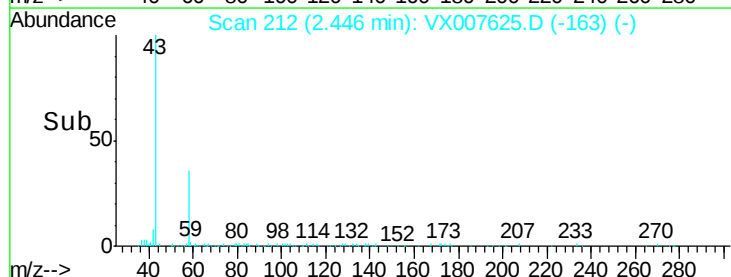
10000

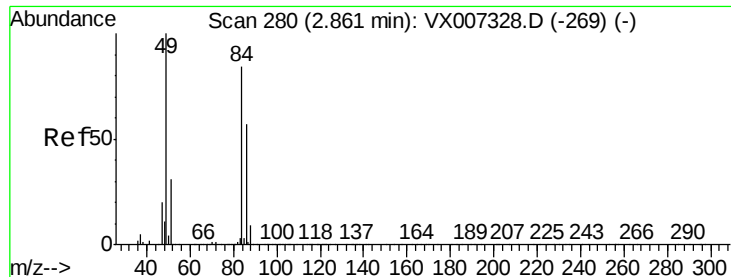
5000

0

2.35 2.40 2.45 2.50 2.55

Time-->

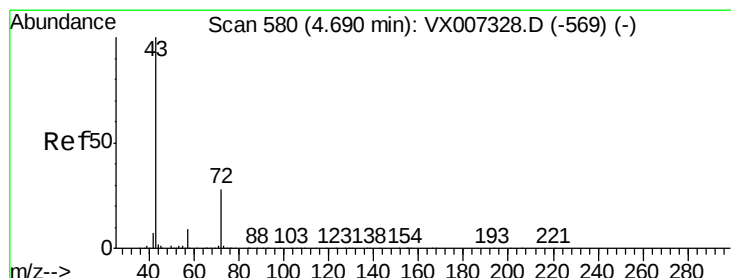
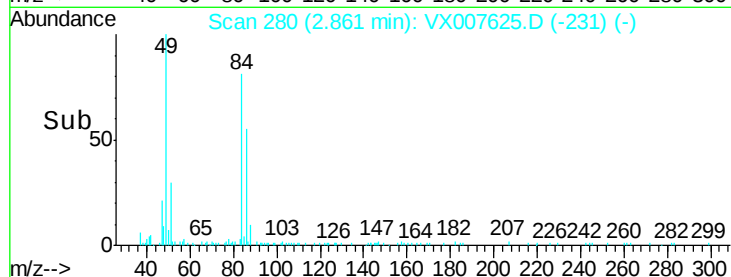
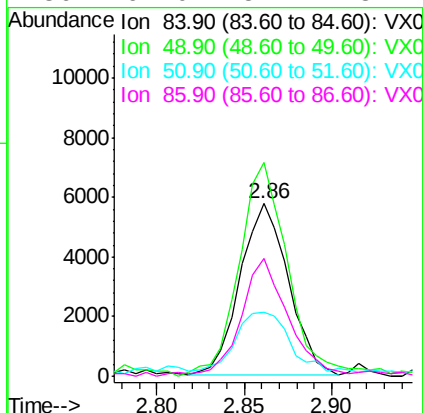
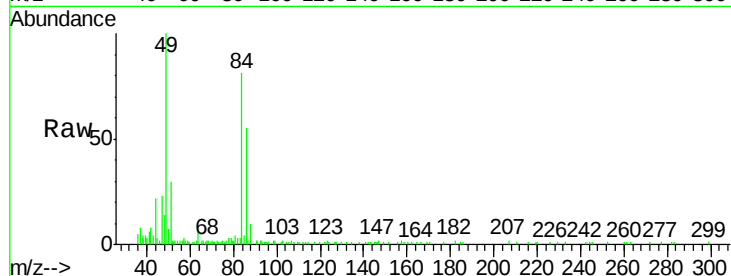




#20  
Methvlene Chloride  
Concen: 1.962 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007625.D  
Acq: 21 Feb 2019 12:42

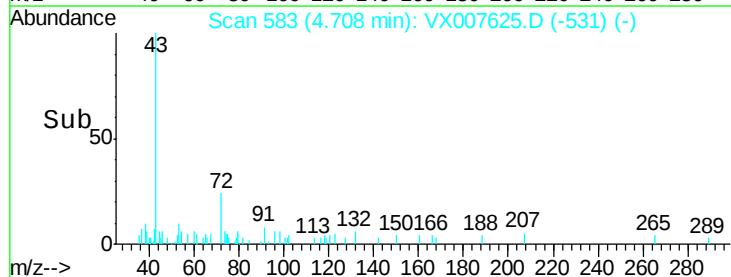
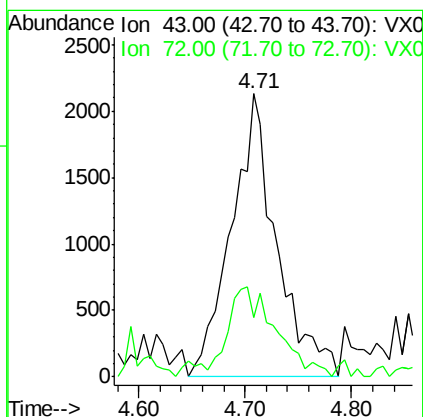
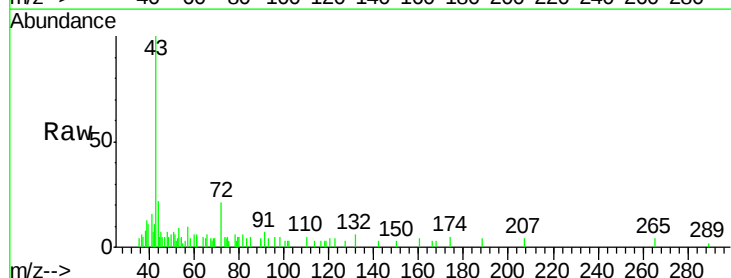
Instrument :  
MSVOA\_X  
ClientSampled :  
PB117250TB

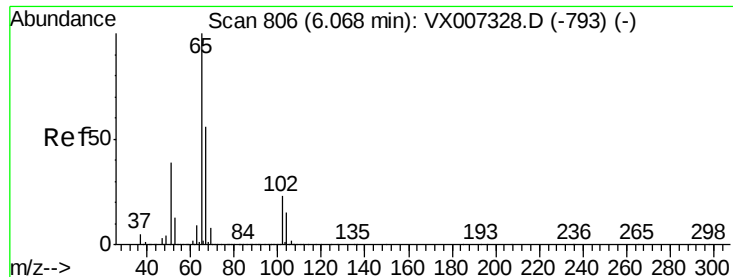
Tot Ion: 84 Resp: 11086  
Ion Ratio Lower Upper  
84 100  
49 122.6 94.8 142.2  
51 34.4 29.8 44.8  
86 67.0 54.1 81.1



#25  
2-Butanone  
Concen: 1.914 ug/l  
RT: 4.71 min Scan# 583  
Delta R.T. 0.02 min  
Lab File: VX007625.D  
Acq: 21 Feb 2019 12:42

Tgt Ion: 43 Resp: 6319  
Ion Ratio Lower Upper  
43 100  
72 16.9 22.2 33.2#

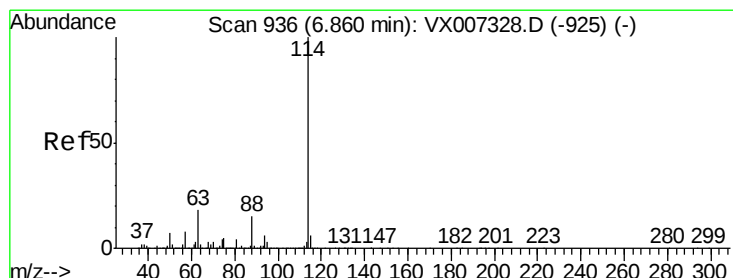
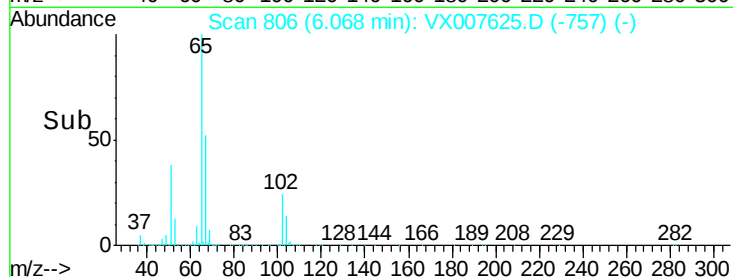
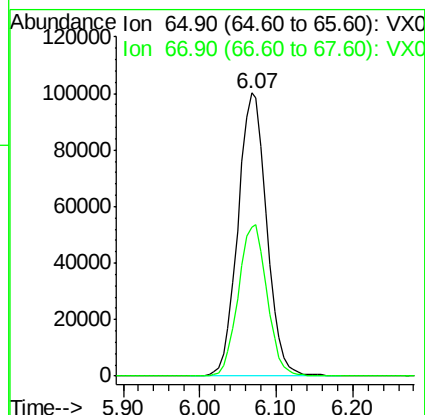
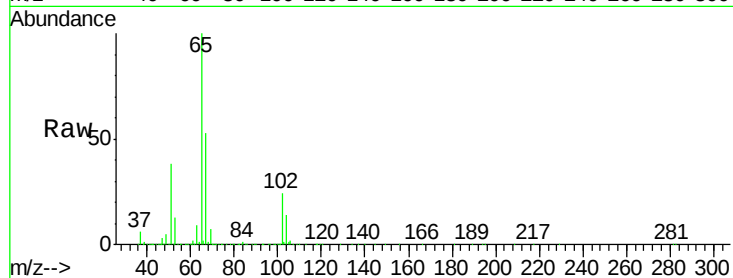




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.420 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX007625.D  
 Acq: 21 Feb 2019 12:42

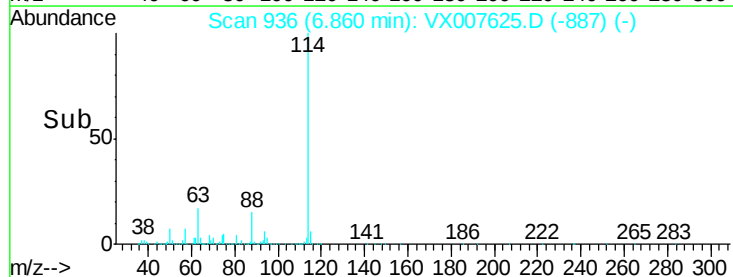
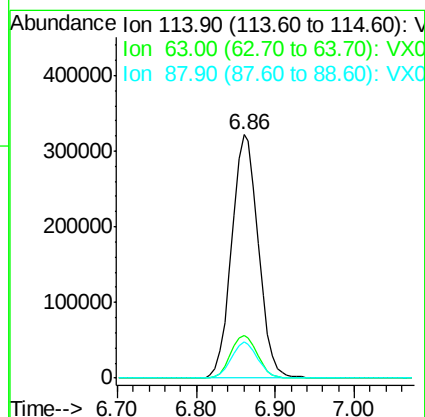
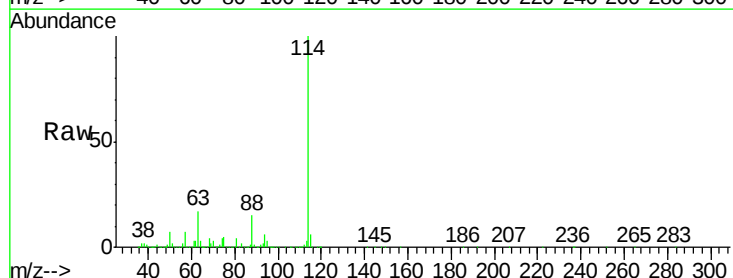
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB117250TB

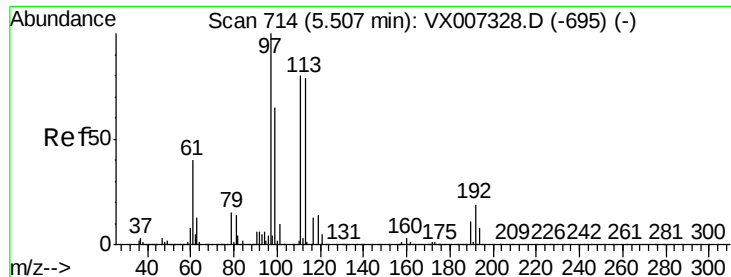
Tot Ion: 65 Resp: 260352  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX007625.D  
 Acq: 21 Feb 2019 12:42

Tgt Ion: 114 Resp: 756738  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 35.6  
 88 14.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.608 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007625.D

Acq: 21 Feb 2019 12:42

Instrument :

MSVOA\_X

ClientSampleId :

PB117250TB

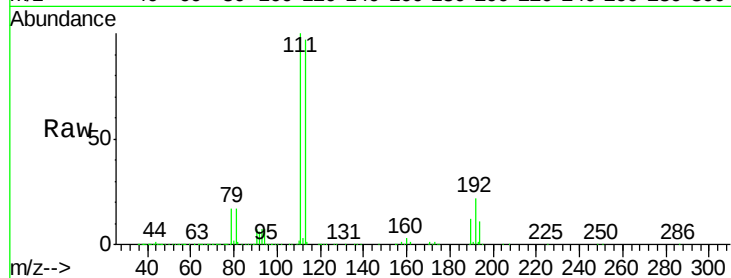
Tot Ion:113 Resp: 249186

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

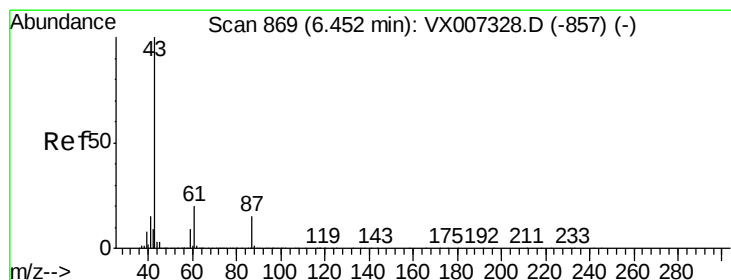
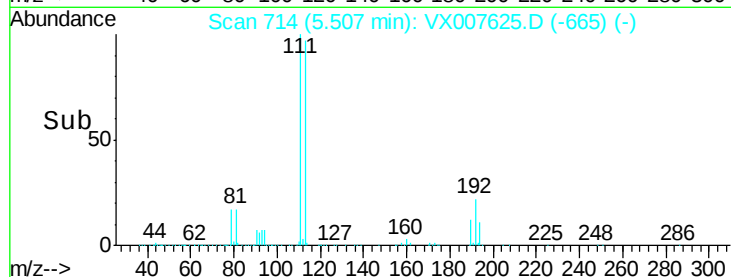
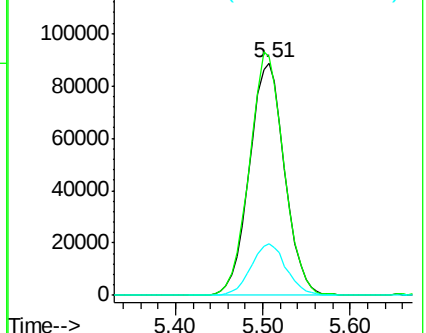
192 22.2 18.5 27.7



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



#43

Isopropyl Acetate

Concen: 2.427 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007625.D

Acq: 21 Feb 2019 12:42

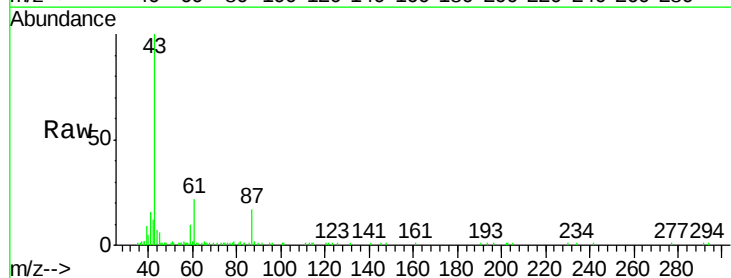
Tgt Ion: 43 Resp: 25717

Ion Ratio Lower Upper

43 100

61 23.4 16.1 24.1

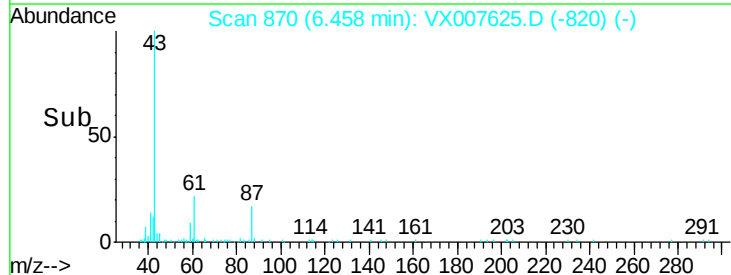
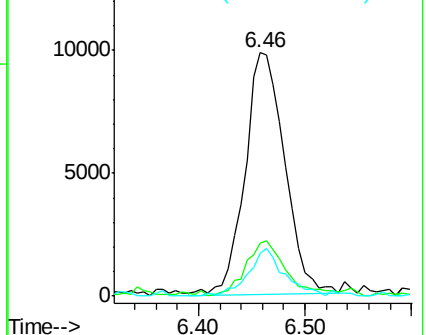
87 17.9 11.5 17.3#

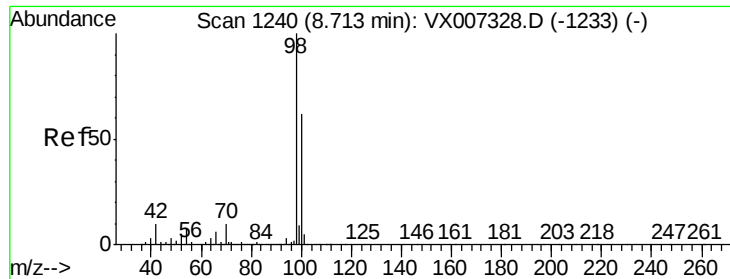


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 50.663 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007625.D

Acq: 21 Feb 2019 12:42

Instrument :

MSVOA\_X

ClientSampleId :

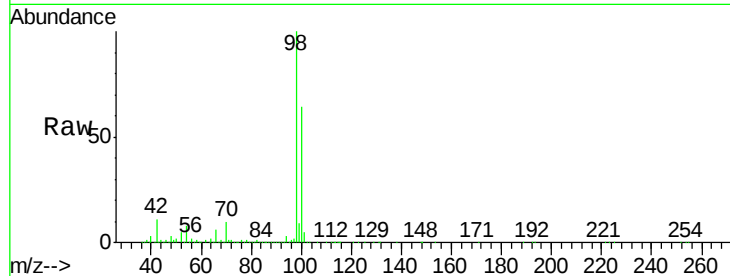
PB117250TB

Tot Ion: 98 Resp: 925520

Ion Ratio Lower Upper

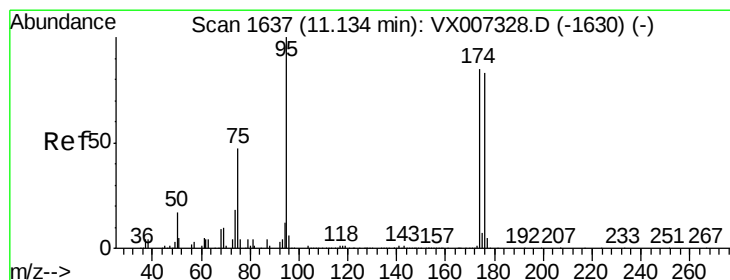
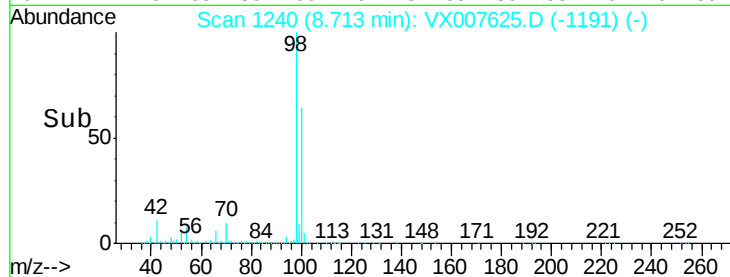
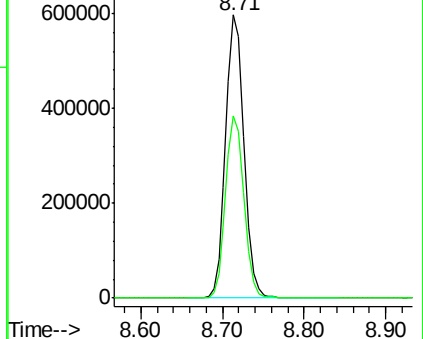
98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 48.602 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007625.D

Acq: 21 Feb 2019 12:42

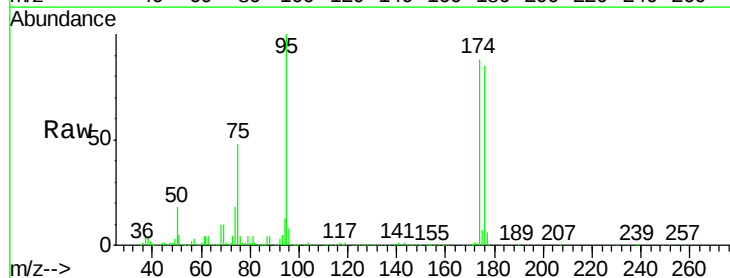
Tgt Ion: 95 Resp: 324165

Ion Ratio Lower Upper

95 100

174 94.4 0.0 189.2

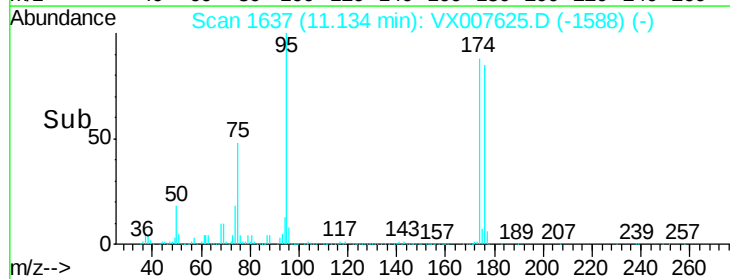
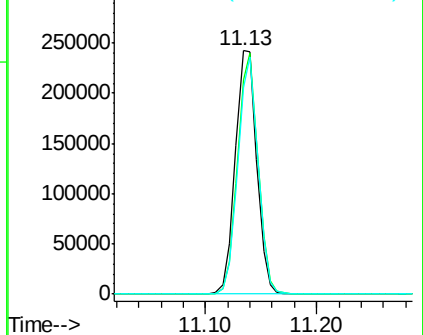
176 91.1 0.0 186.2

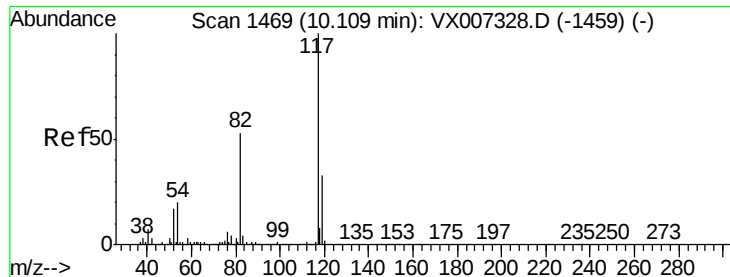


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

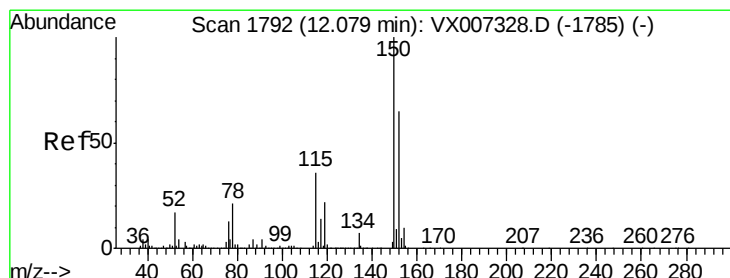
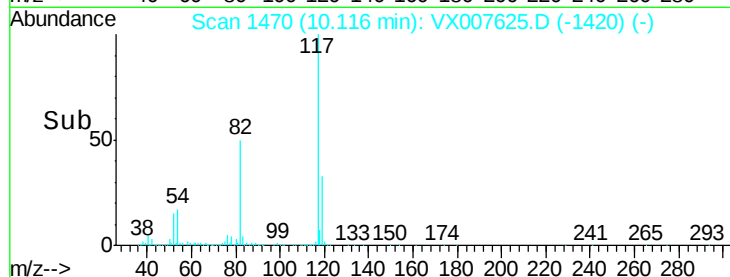
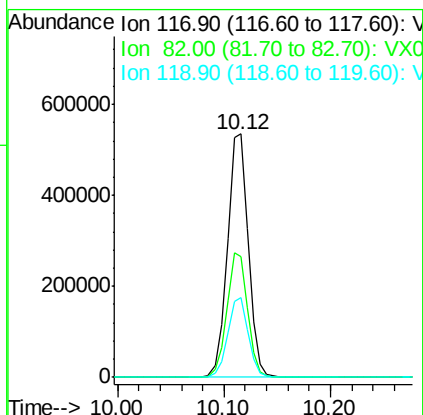
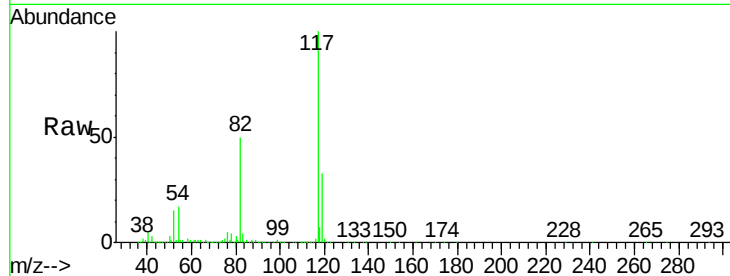




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007625.D  
Acq: 21 Feb 2019 12:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB117250TB

Tot Ion:117 Resp: 735573  
Ion Ratio Lower Upper  
117 100  
82 49.8 42.1 63.1  
119 32.8 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX007625.D  
Acq: 21 Feb 2019 12:42

Tgt Ion:152 Resp: 344532  
Ion Ratio Lower Upper  
152 100  
115 55.6 38.0 114.0  
150 155.6 0.0 346.4

