

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\  
 Data File : VX008137.D  
 Acq On : 16 Mar 2019 13:34  
 Operator : JC/SP  
 Sample : PB117440TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB117440TB

Quant Time: Mar 18 01:33:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 03:56:35 2019  
 Response via : Initial Calibration

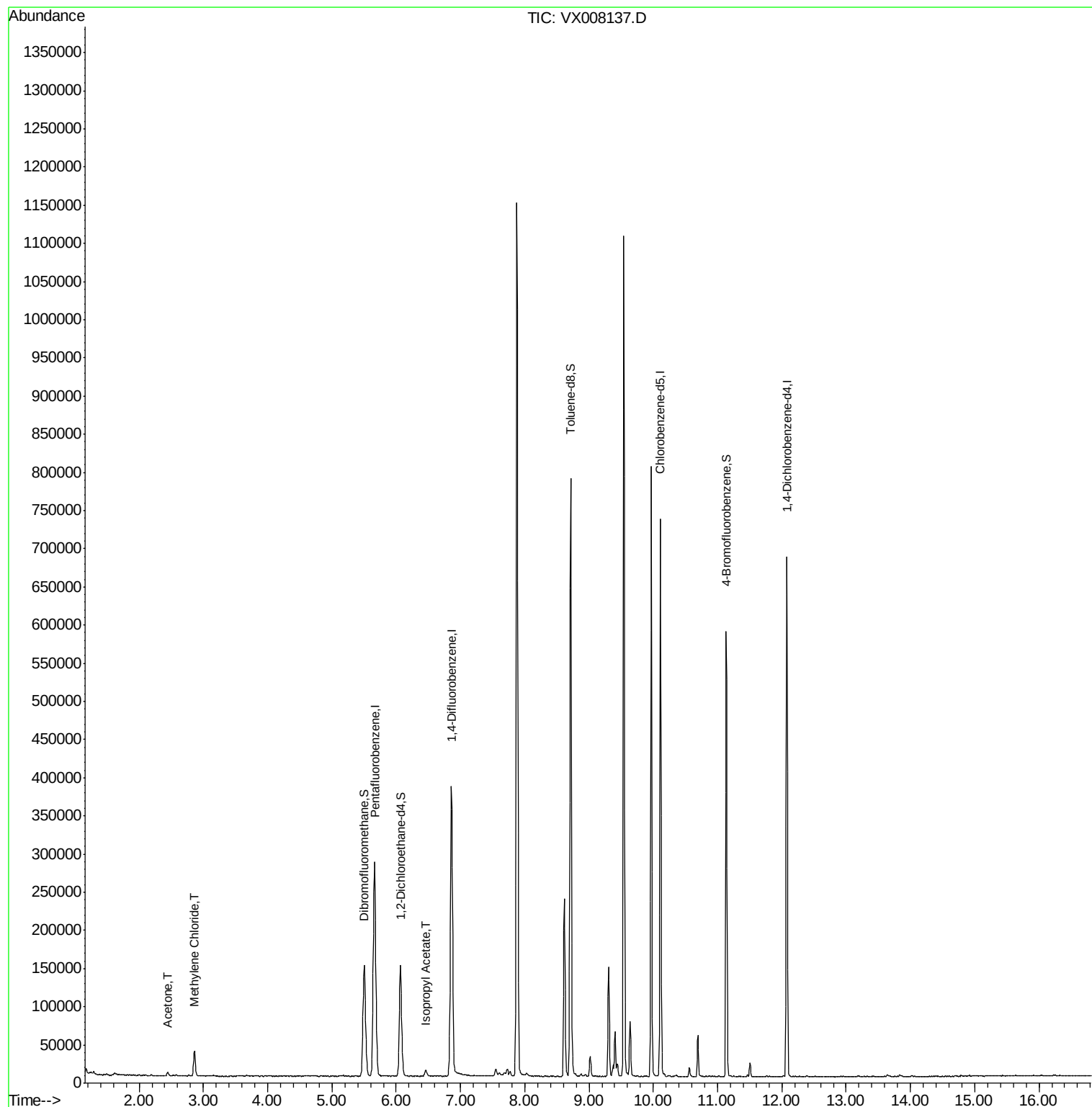
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 303326   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 408975   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 347483   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 156076   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 135739   | 44.36 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.72% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 125146   | 48.25 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.50% |          |
| 50) Toluene-d8              | 8.71  | 98   | 477401   | 48.40 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.80% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 150740   | 42.66 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.32% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 5326     | 3.687 | ug/l   | 93       |
| 20) Methylene Chloride      | 2.86  | 84   | 15907    | 6.166 | ug/l   | 90       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 9625     | 1.653 | ug/l   | 96       |

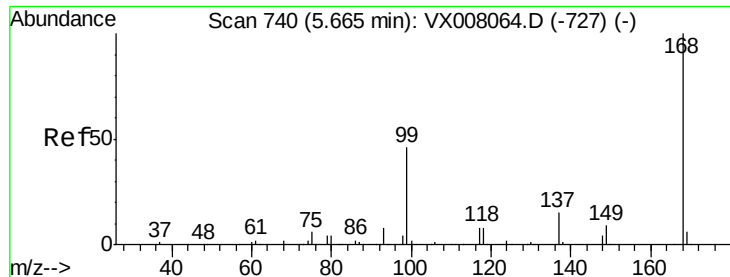
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 03:56:35 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008137.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

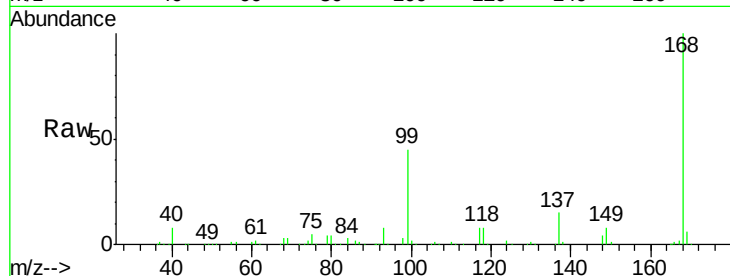
PB117440TB

Tot Ion:168 Resp: 303326

Ion Ratio Lower Upper

168 100

99 45.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

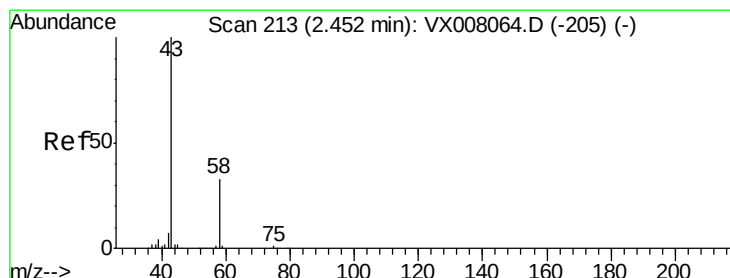
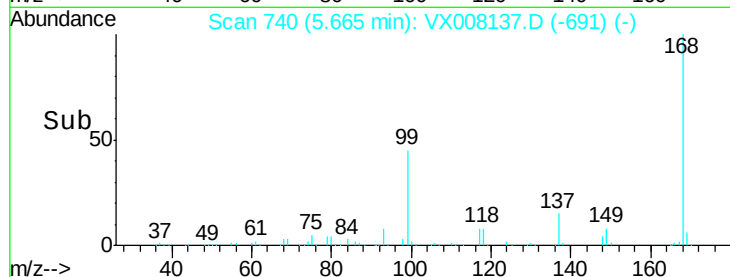
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.687 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008137.D

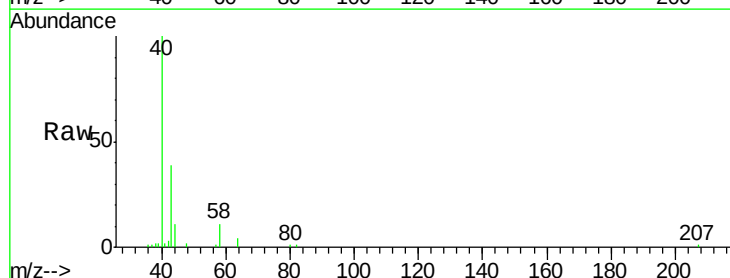
Acq: 16 Mar 2019 13:34

Tgt Ion: 43 Resp: 5326

Ion Ratio Lower Upper

43 100

58 28.0 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

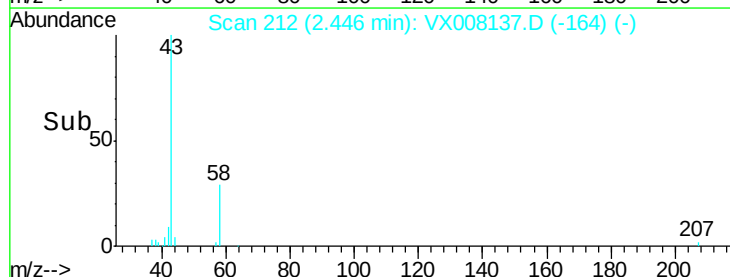
3000

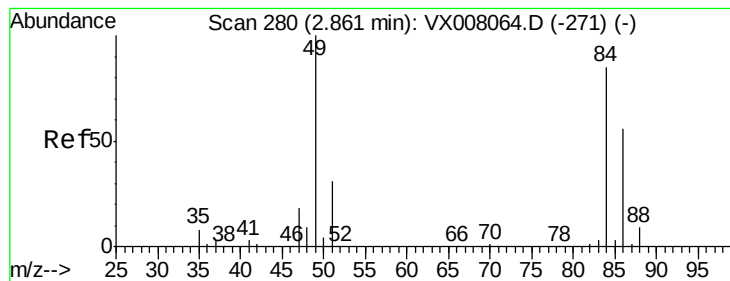
2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#20

Methylene Chloride

Concen: 6.166 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008137.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

PB117440TB

Tot Ion: 84 Resp: 15907

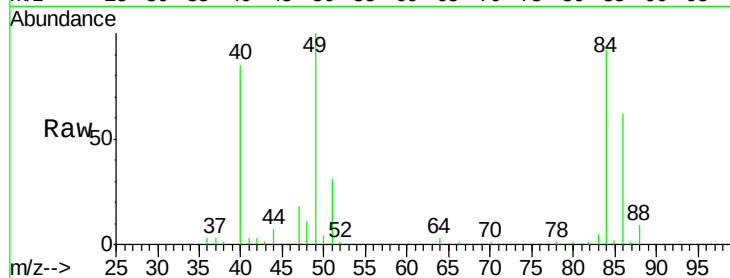
Ion Ratio Lower Upper

84 100

49 108.5 99.3 148.9

51 33.5 31.3 46.9

86 67.8 52.6 79.0



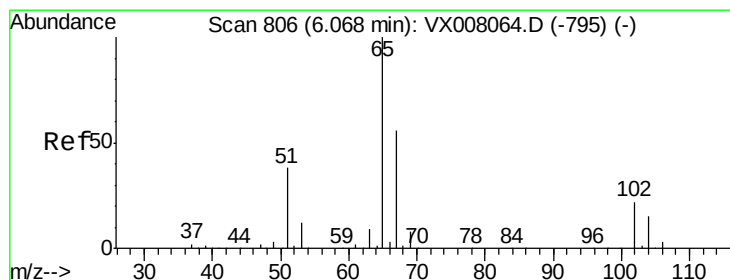
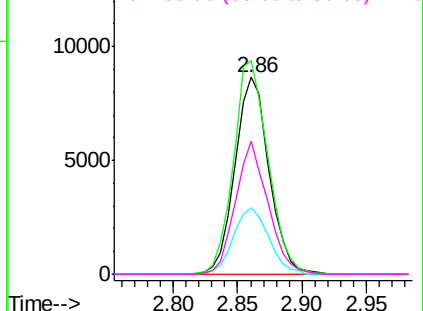
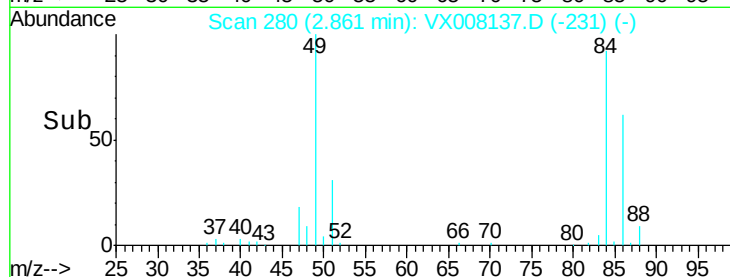
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.362 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008137.D

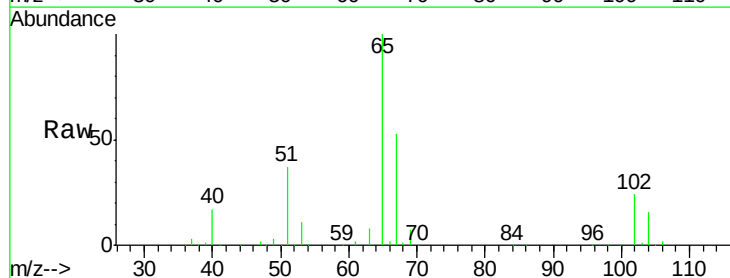
Acq: 16 Mar 2019 13:34

Tgt Ion: 65 Resp: 135739

Ion Ratio Lower Upper

65 100

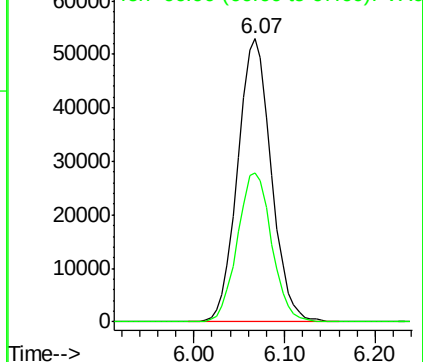
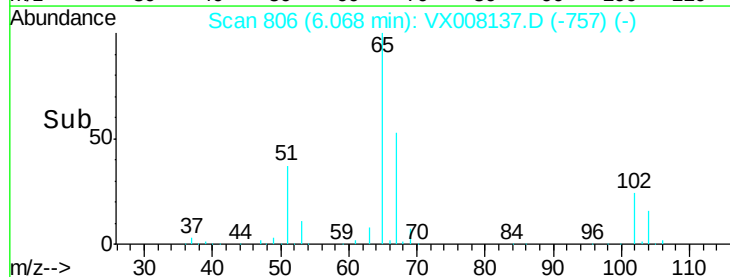
67 53.9 0.0 110.0

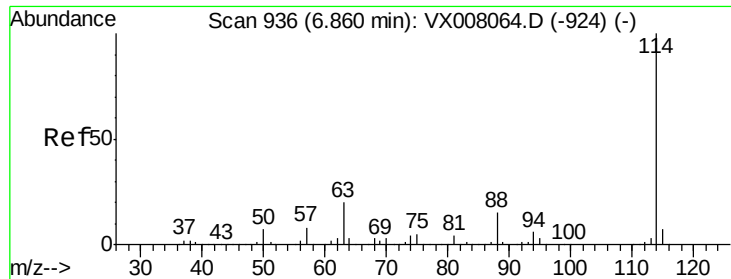


Abundance

Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

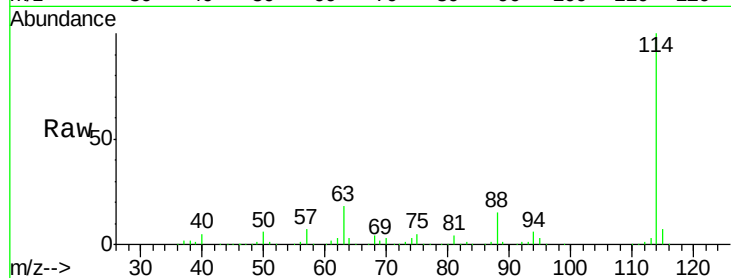




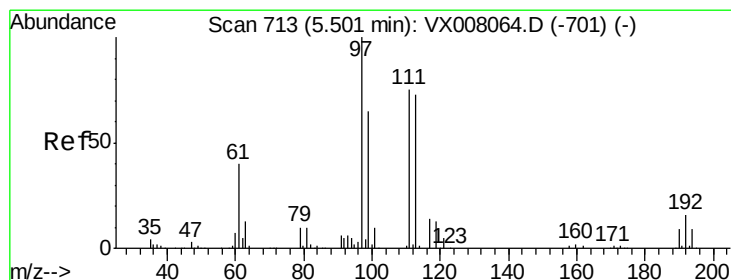
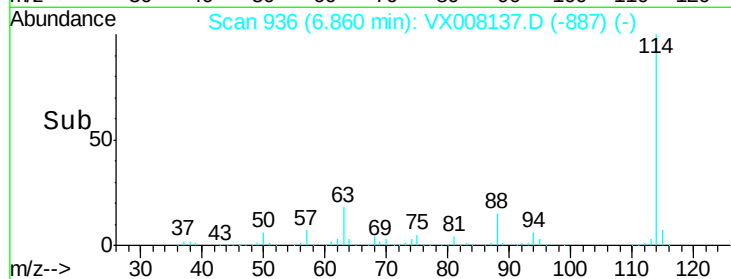
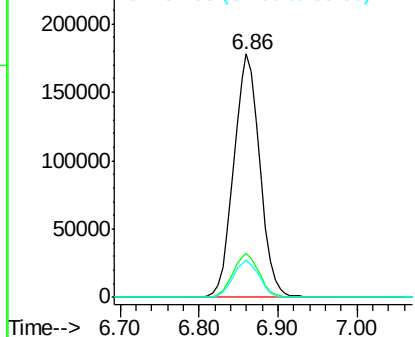
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. -0.00 min  
Lab File: VX008137.D  
Acq: 16 Mar 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB117440TB

Tot Ion:114 Resp: 408975  
Ion Ratio Lower Upper  
114 100  
63 18.0 0.0 39.8  
88 15.3 0.0 31.4

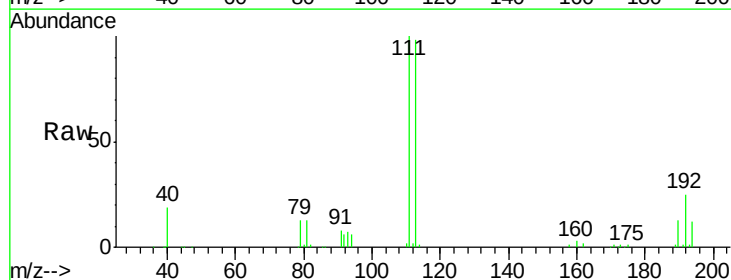


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

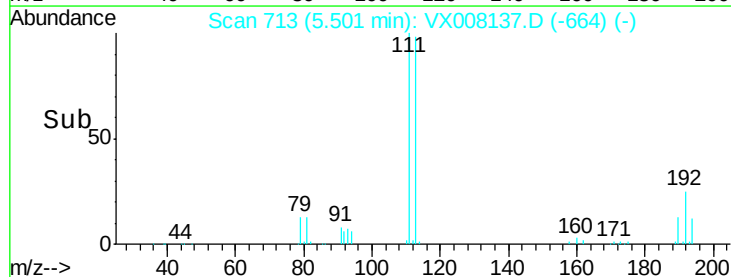
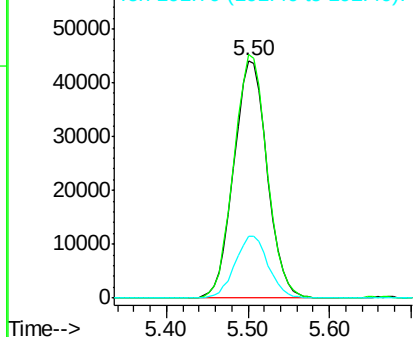


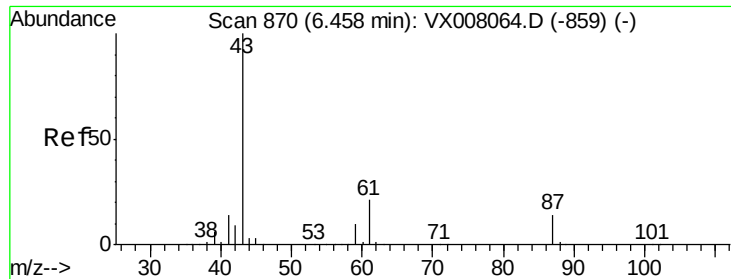
#35  
Dibromofluoromethane  
Concen: 48.254 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX008137.D  
Acq: 16 Mar 2019 13:34

Tgt Ion:113 Resp: 125146  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.4 122.0  
192 25.8 19.4 29.0



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

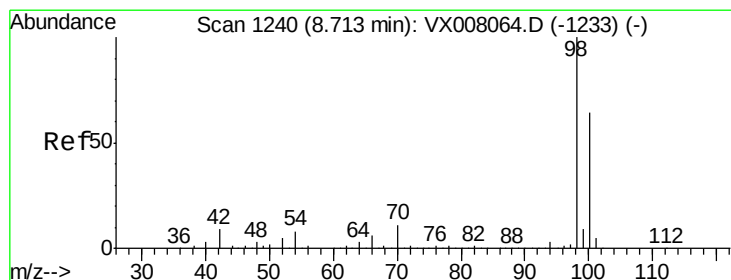
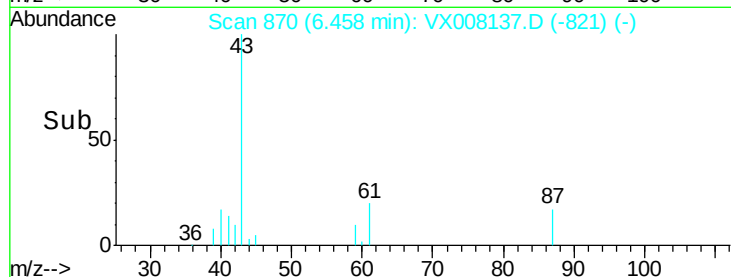
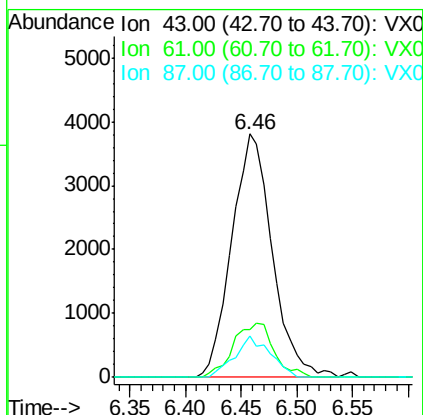
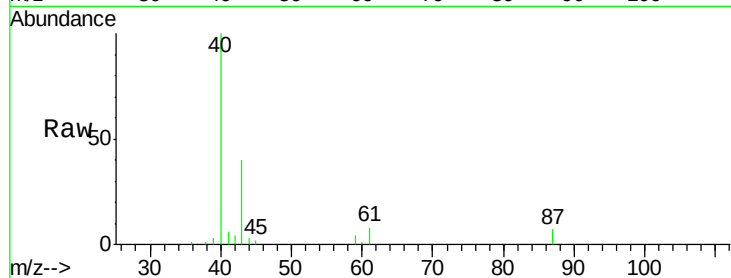




#43  
Isopropyl Acetate  
Concen: 1.653 ug/l  
RT: 6.46 min Scan# 870  
Delta R.T. -0.00 min  
Lab File: VX008137.D  
Acq: 16 Mar 2019 13:34

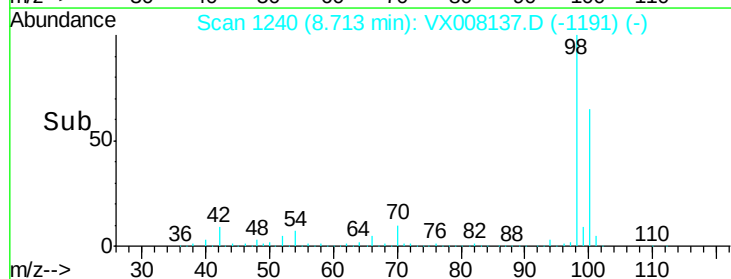
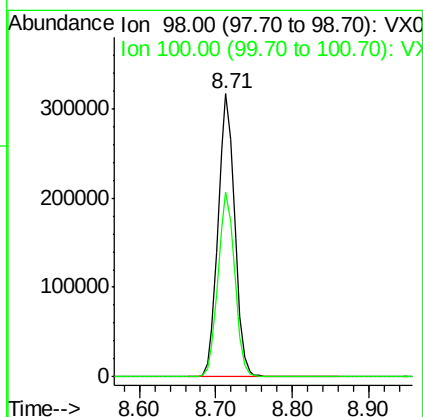
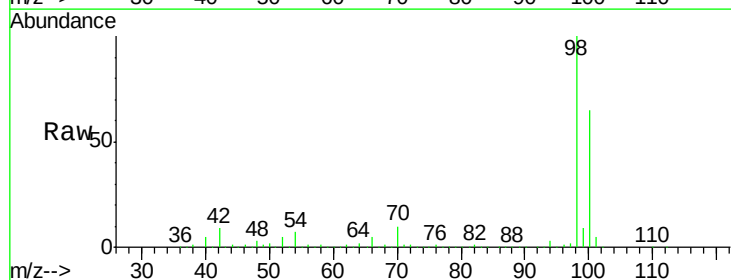
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB117440TB

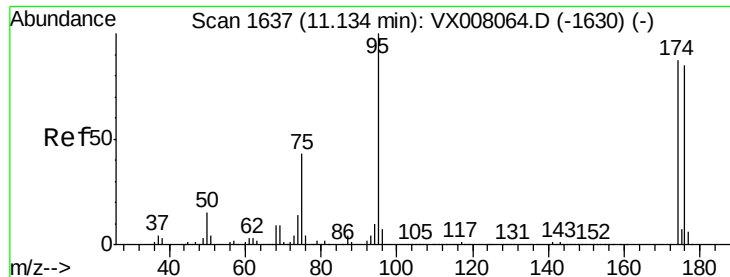
Tot Ion: 43 Resp: 9625  
Ion Ratio Lower Upper  
43 100  
61 22.4 16.3 24.5  
87 14.8 10.5 15.7



#50  
Toluene-d8  
Concen: 48.399 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX008137.D  
Acq: 16 Mar 2019 13:34

Tgt Ion: 98 Resp: 477401  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 42.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008137.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

PB117440TB

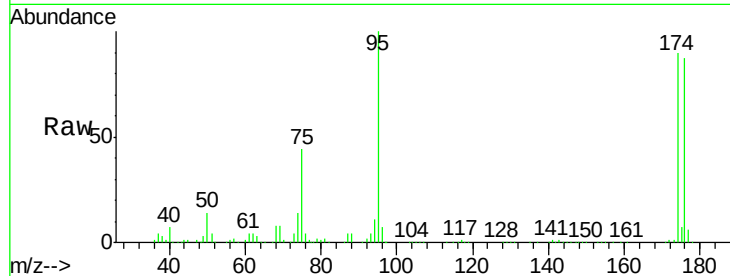
Tot Ion: 95 Resp: 150740

Ion Ratio Lower Upper

95 100

174 98.5 0.0 182.8

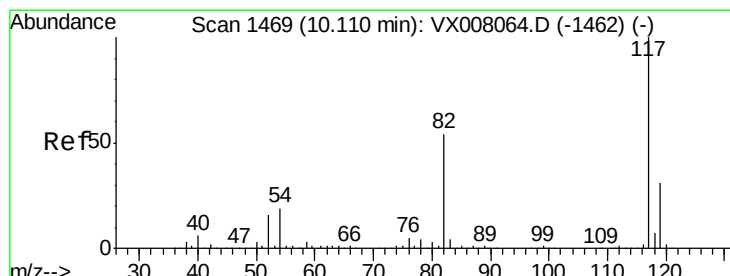
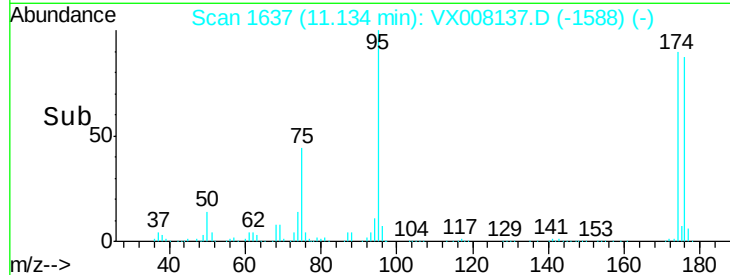
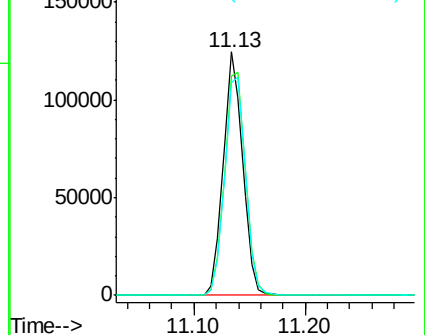
176 96.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008137.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008137.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008137.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008137.D

Acq: 16 Mar 2019 13:34

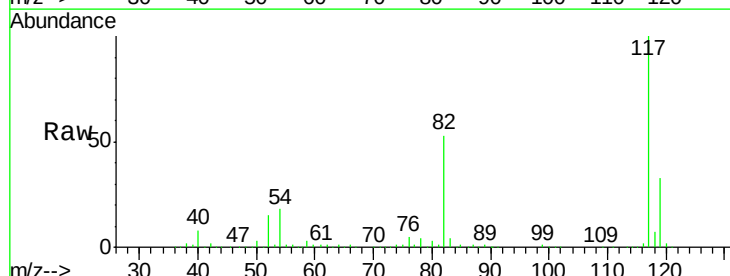
Tgt Ion: 117 Resp: 347483

Ion Ratio Lower Upper

117 100

82 53.1 44.3 66.5

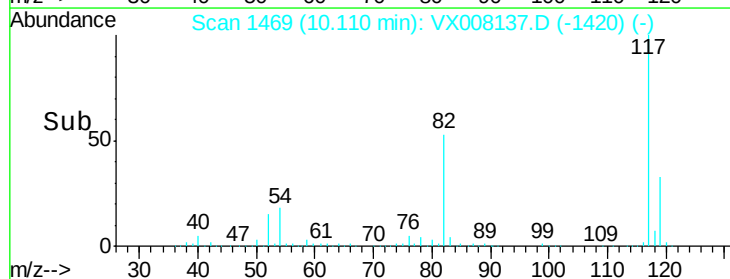
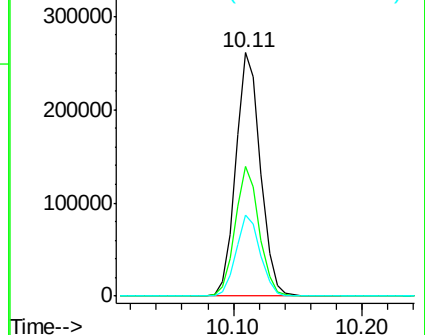
119 33.1 25.3 37.9

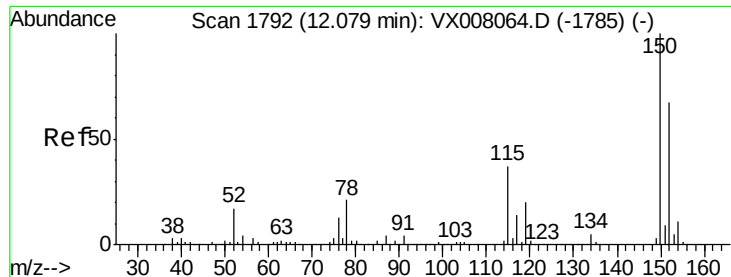


Abundance Ion 116.90 (116.60 to 117.60): VX008137.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008137.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008137.D (-1420) (-)

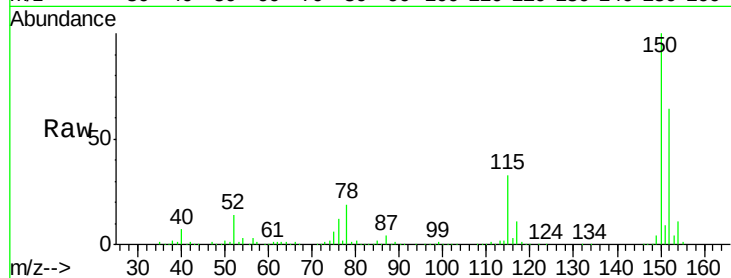




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX008137.D  
 Acq: 16 Mar 2019 13:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB117440TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.9  | 38.6  | 115.7 |
| 150     | 156.4 | 0.0   | 348.4 |



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

