

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022119\  
 Data File : VX007635.D  
 Acq On : 21 Feb 2019 17:09  
 Operator : JC/SP  
 Sample : PB117250ZHE#09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB117250ZHE#09

Quant Time: Feb 22 06:07:05 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  | 451343   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 732767   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 714803   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 334108   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 258881   | 54.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.08% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 244763   | 51.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.68% |          |
| 50) Toluene-d8              | 8.71  | 98   | 904377   | 51.12 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.24% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 315318   | 48.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.64%  |          |

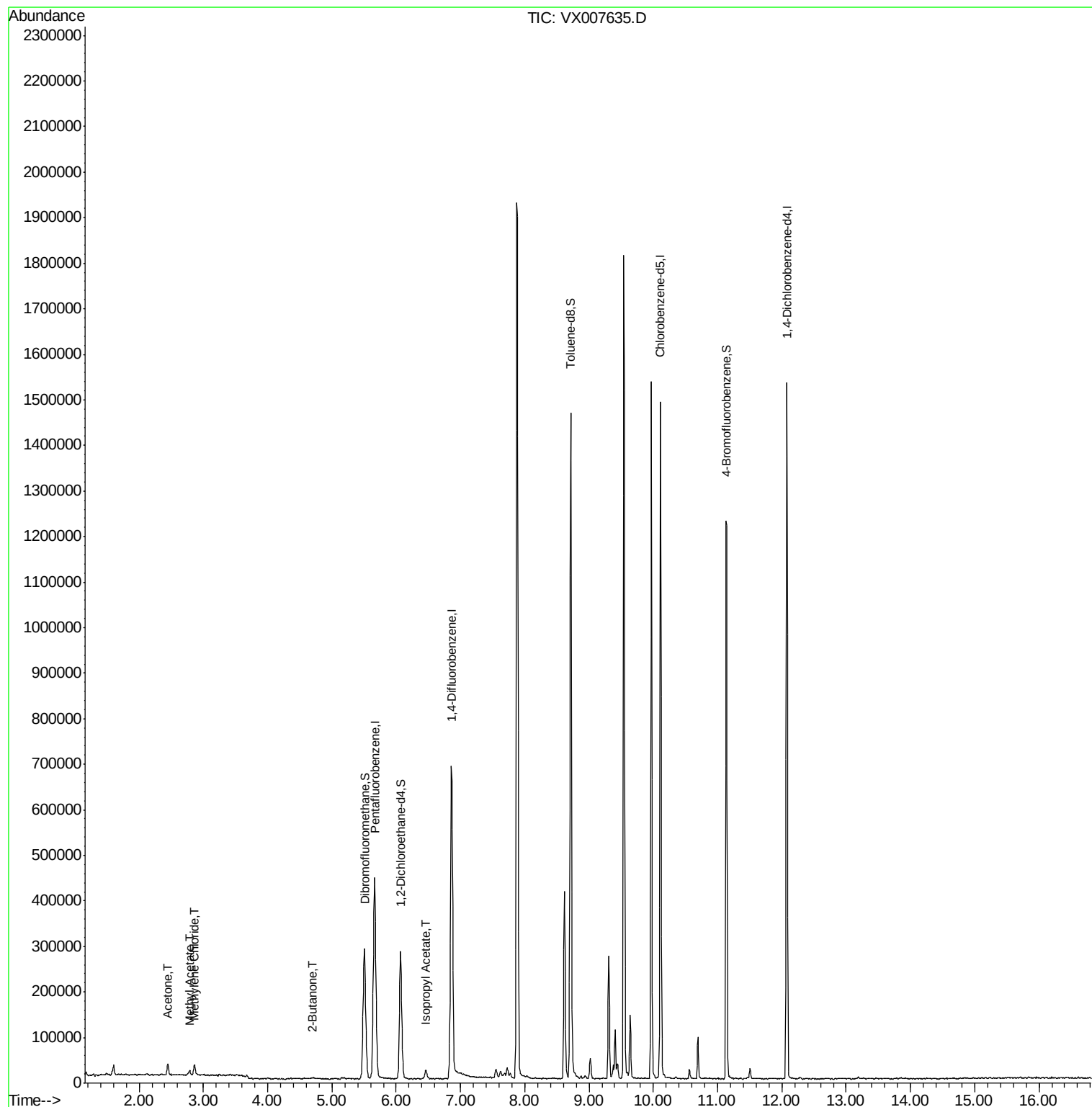
| Target Compounds       | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|------------------------|------|------|----------|--------|--------|--------|
| 16) Acetone            | 2.45 | 43   | 26721    | 12.177 | ug/l   | 99     |
| 18) Methyl Acetate     | 2.78 | 43   | 13617    | 2.946  | ug/l   | 93     |
| 20) Methylene Chloride | 2.86 | 84   | 11741    | 2.244  | ug/l   | 94     |
| 25) 2-Butanone         | 4.70 | 43   | 5166     | 1.654  | ug/l # | 79     |
| 43) Isopropyl Acetate  | 6.46 | 43   | 25892    | 2.524  | ug/l   | 97     |

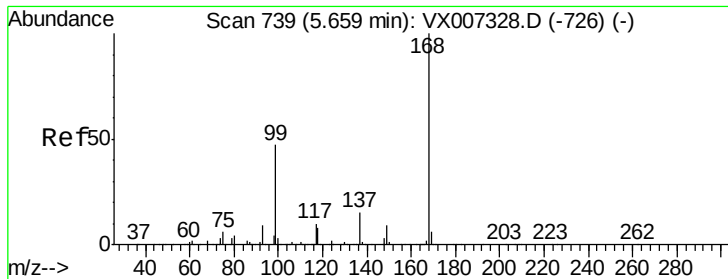
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007635.D

Acq: 21 Feb 2019 17:09

Instrument :

MSVOA\_X

ClientSampleId :

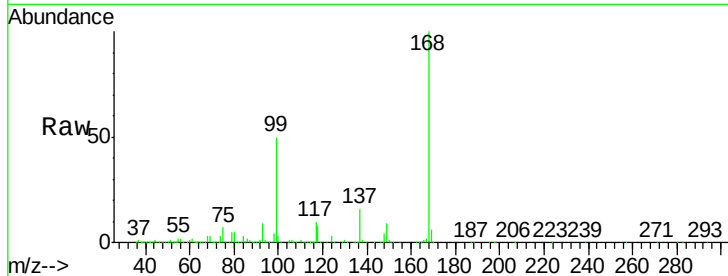
PB117250ZHE#09

Tot Ion:168 Resp: 451343

Ion Ratio Lower Upper

168 100

99 49.6 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

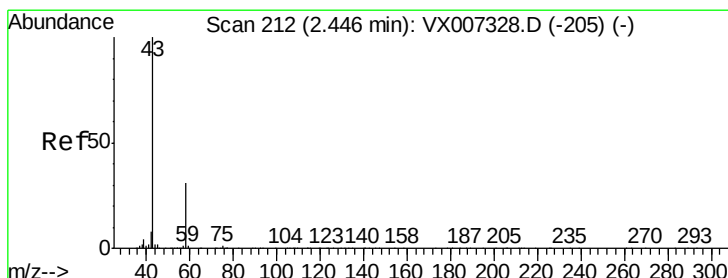
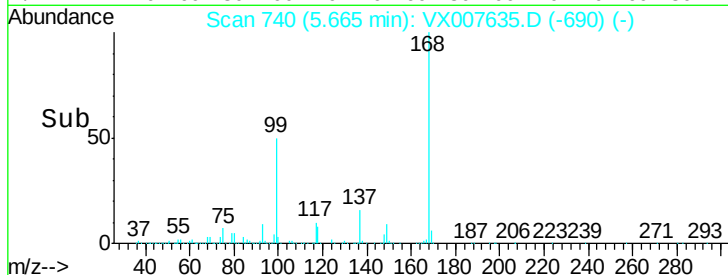
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 12.177 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007635.D

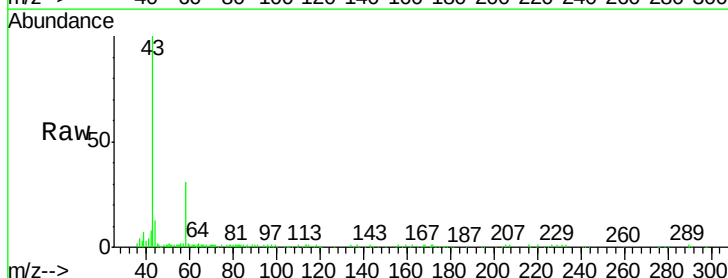
Acq: 21 Feb 2019 17:09

Tgt Ion: 43 Resp: 26721

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

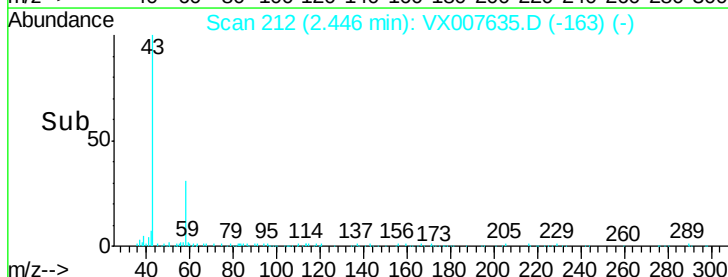
15000

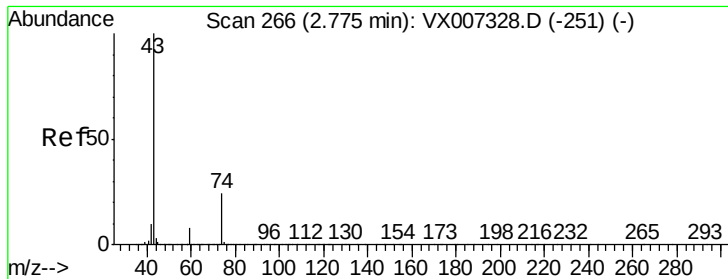
10000

5000

0

Time--> 2.40 2.45 2.50

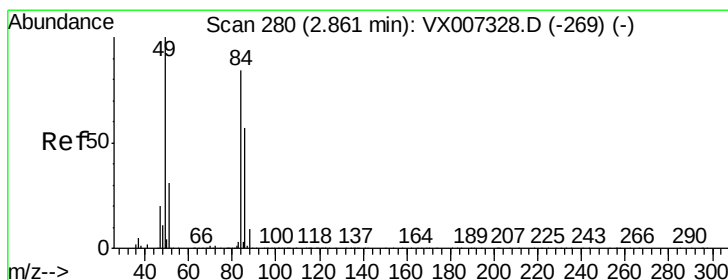
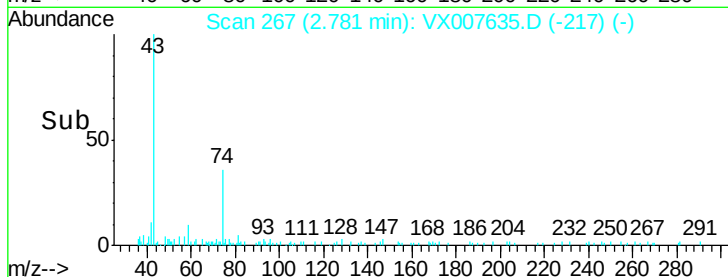
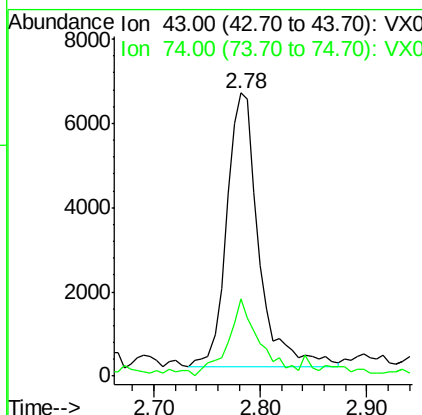
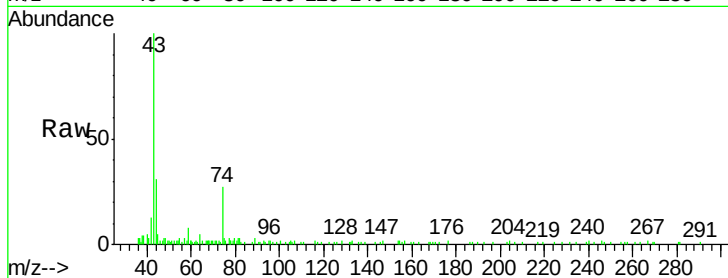




#18  
Methyl Acetate  
Concen: 2.946 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX007635.D  
Acq: 21 Feb 2019 17:09

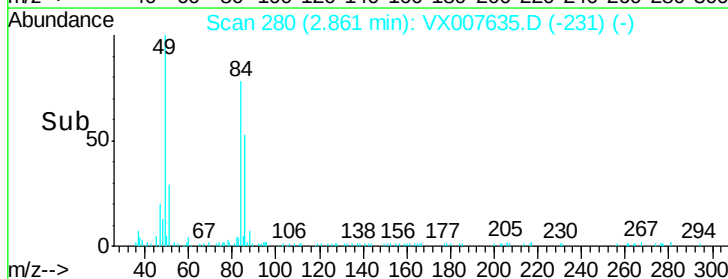
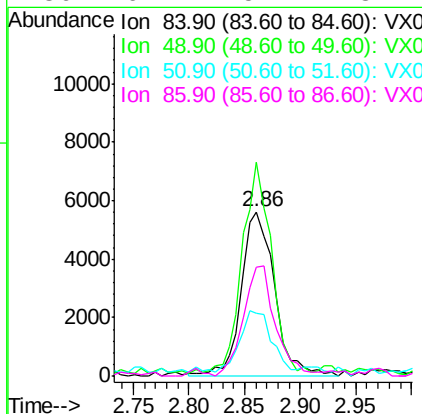
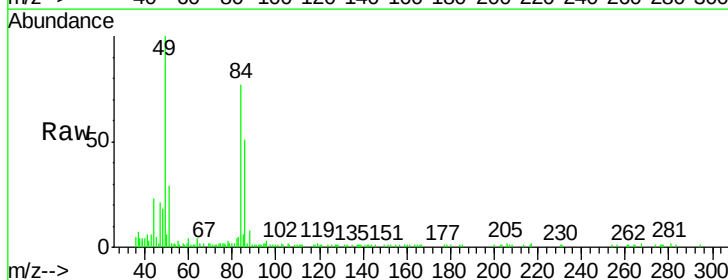
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB117250ZHE#09

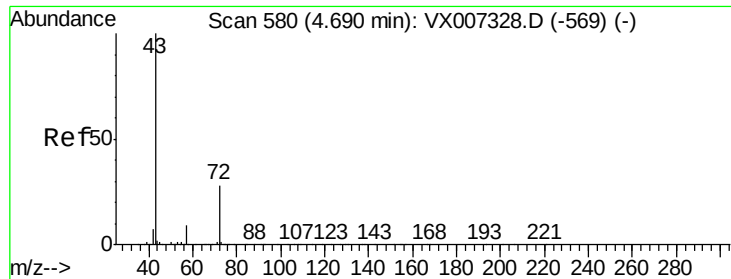
Tot Ion: 43 Resp: 13617  
Ion Ratio Lower Upper  
43 100  
74 28.0 19.4 29.2



#20  
Methylene Chloride  
Concen: 2.244 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007635.D  
Acq: 21 Feb 2019 17:09

Tgt Ion: 84 Resp: 11741  
Ion Ratio Lower Upper  
84 100  
49 128.4 94.8 142.2  
51 35.9 29.8 44.8  
86 64.2 54.1 81.1





#25

2-Butanone

Concen: 1.654 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007635.D

Acq: 21 Feb 2019 17:09

Instrument :

MSVOA\_X

ClientSampleId :

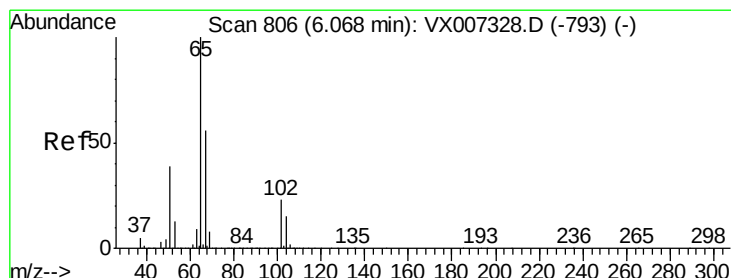
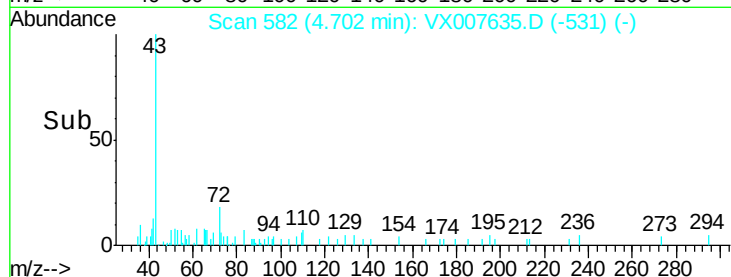
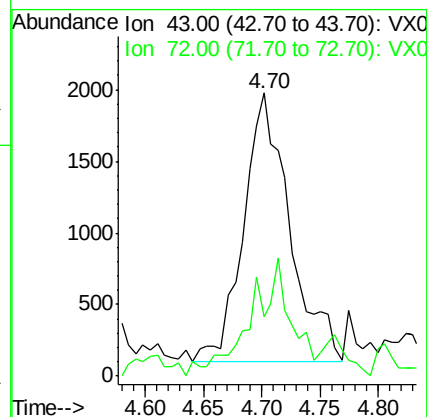
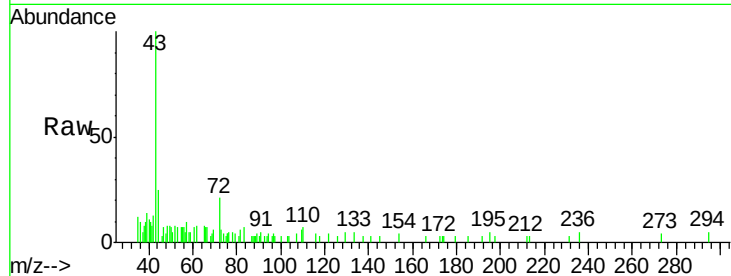
PB117250ZHE#09

Tot Ion: 43 Resp: 5166

Ion Ratio Lower Upper

43 100

72 16.8 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 54.039 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX007635.D

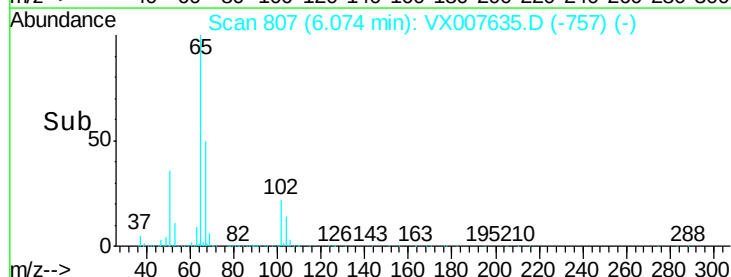
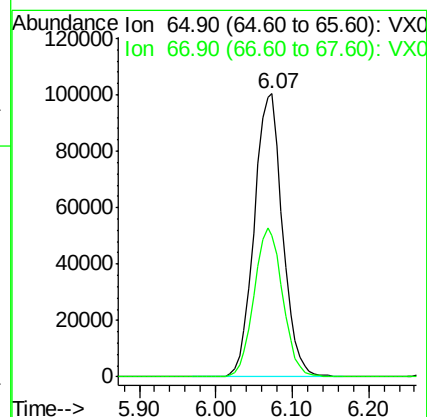
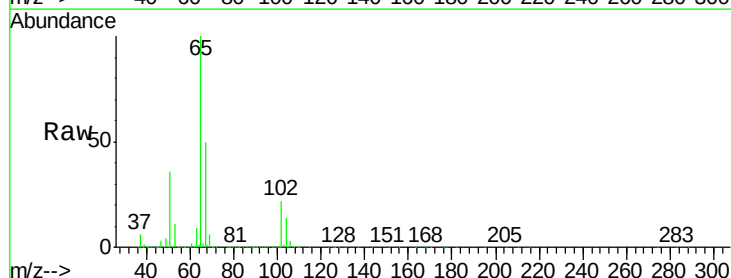
Acq: 21 Feb 2019 17:09

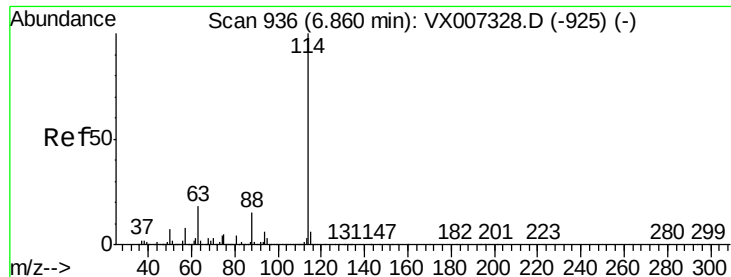
Tgt Ion: 65 Resp: 258881

Ion Ratio Lower Upper

65 100

67 53.5 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: VX007635.D

Acq: 21 Feb 2019 17:09

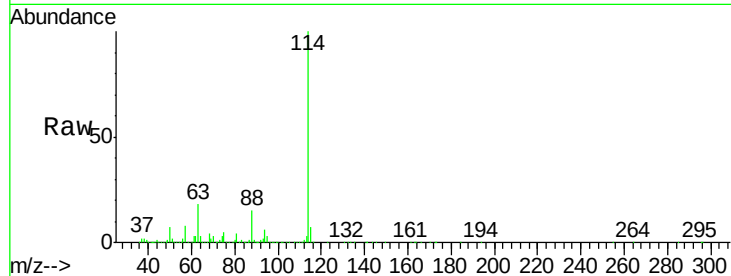
Instrument :

MSVOA\_X

ClientSampleId :

PB117250ZHE#09

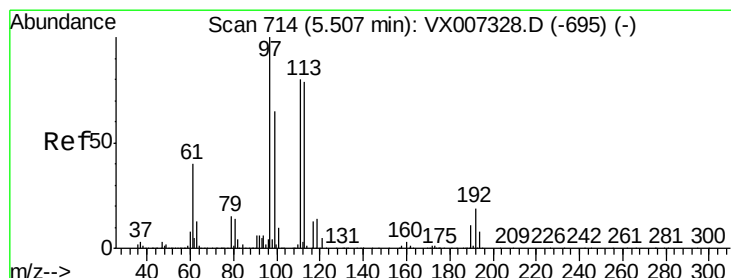
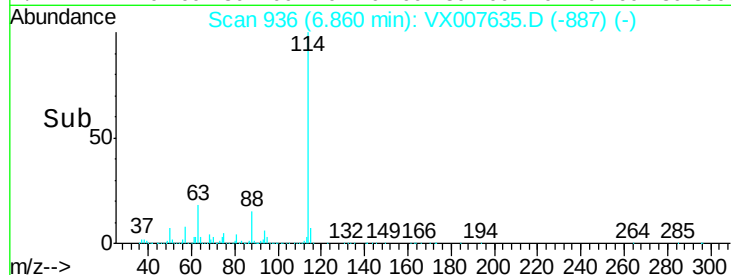
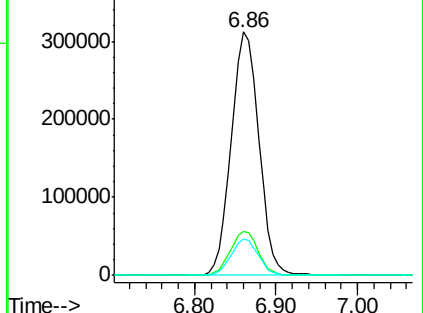
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 114   | Resp: | 732767 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.0  | 0.0   | 35.6   |
| 88       | 14.8  | 0.0   | 29.6   |



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: 51.336 ug/l

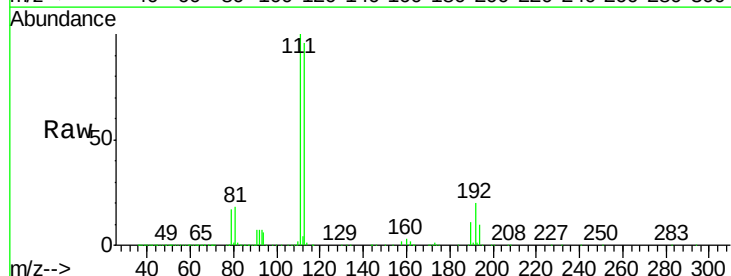
RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007635.D

Acq: 21 Feb 2019 17:09

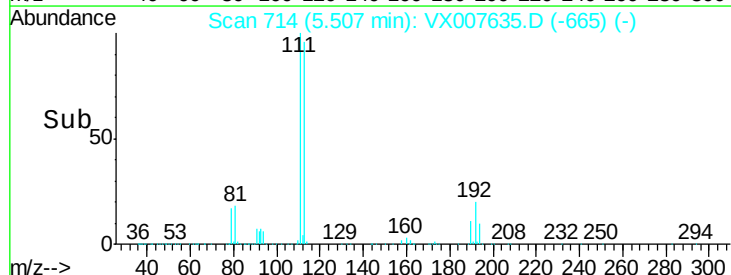
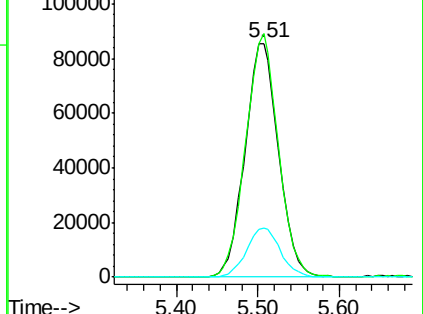
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 244763 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.7 | 81.8  | 122.8  |
| 192      | 21.3  | 18.5  | 27.7   |

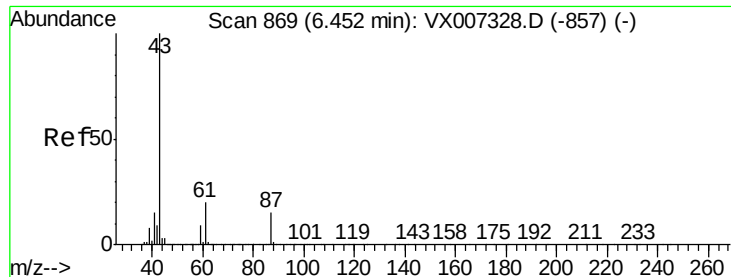


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.524 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007635.D

Acq: 21 Feb 2019 17:09

Instrument :

MSVOA\_X

ClientSampleId :

PB117250ZHE#09

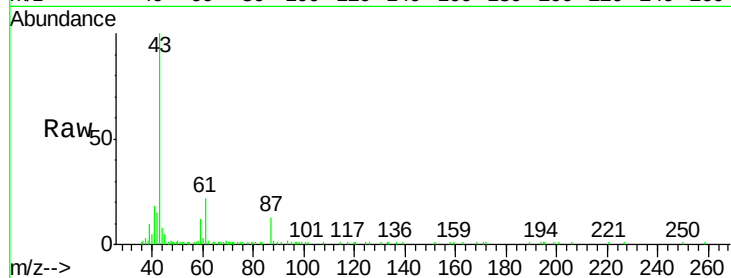
Tot Ion: 43 Resp: 25892

Ion Ratio Lower Upper

43 100

61 19.8 16.1 24.1

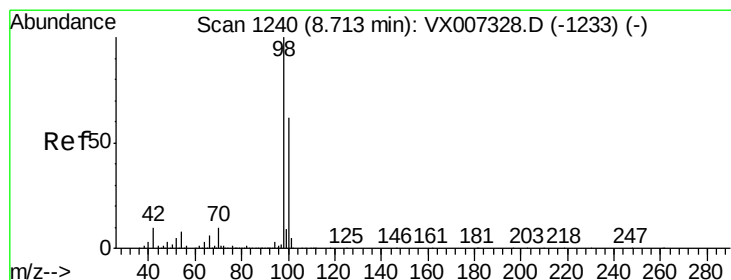
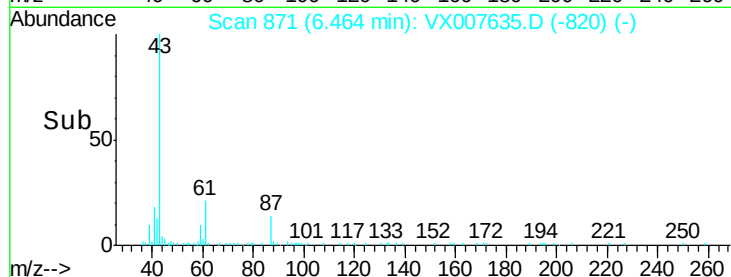
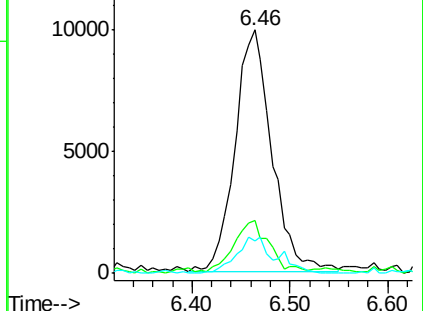
87 12.2 11.5 17.3



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: 51.125 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007635.D

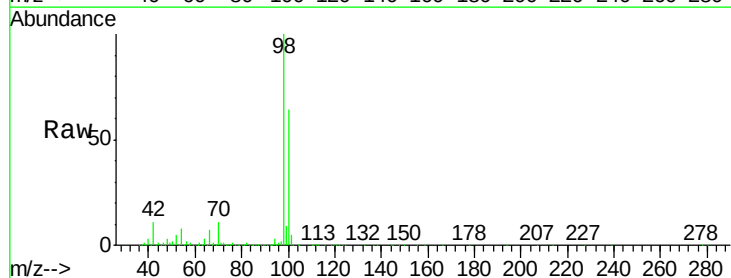
Acq: 21 Feb 2019 17:09

Tgt Ion: 98 Resp: 904377

Ion Ratio Lower Upper

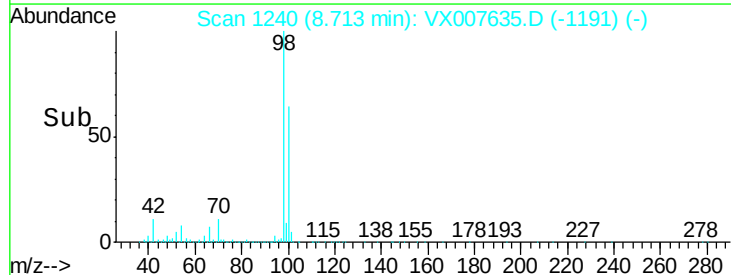
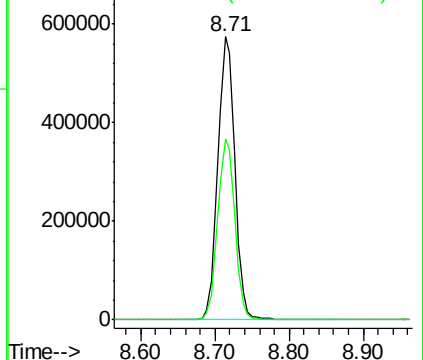
98 100

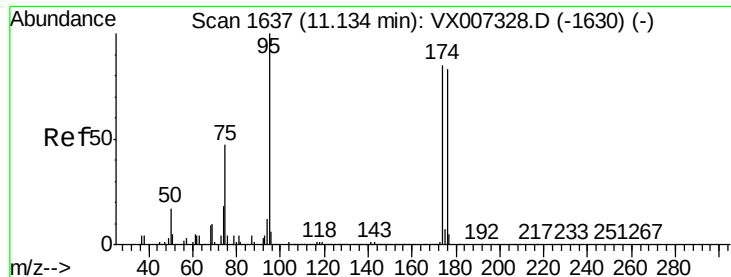
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

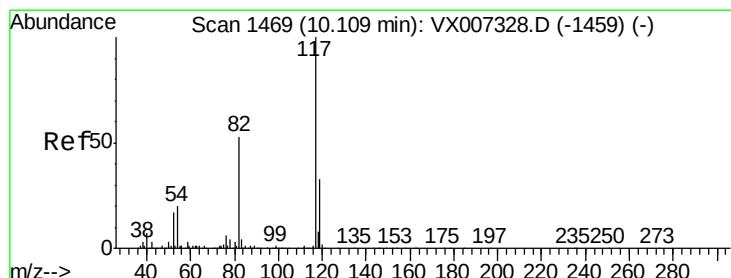
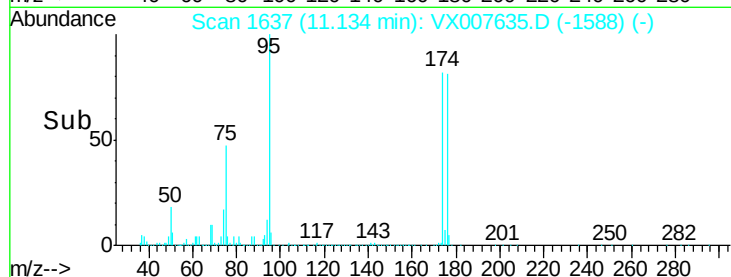
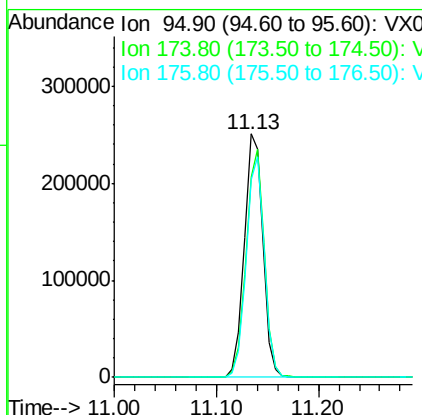
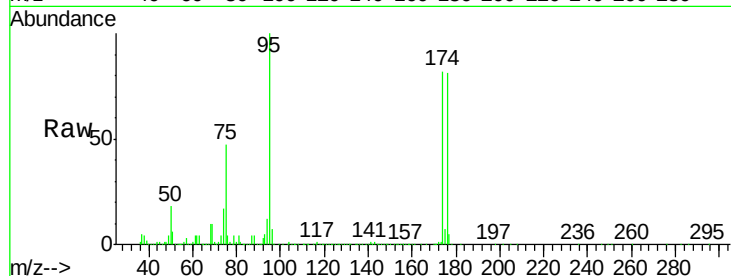




#62  
4-Bromofluorobenzene  
Concen: 48.822 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX007635.D  
Acq: 21 Feb 2019 17:09

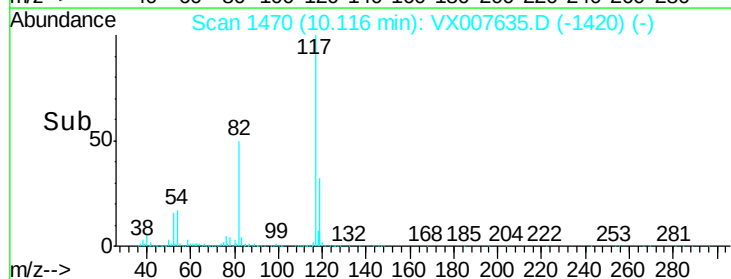
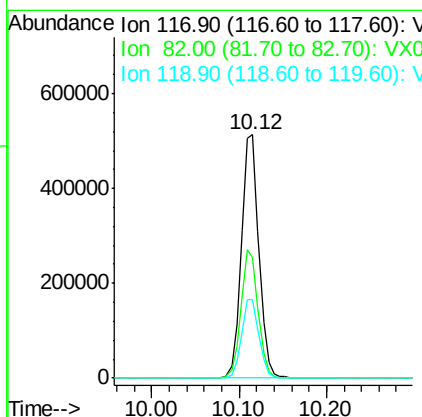
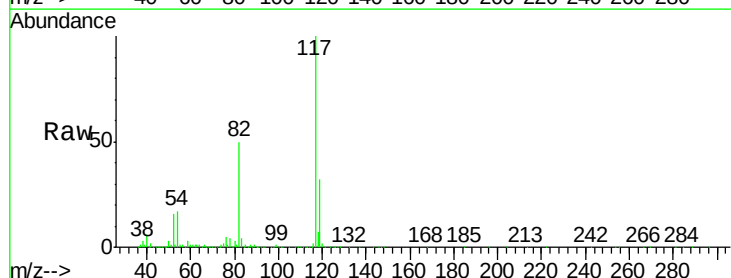
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB117250ZHE#09

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.9  | 0.0   | 189.2 |
| 176     | 88.7  | 0.0   | 186.2 |

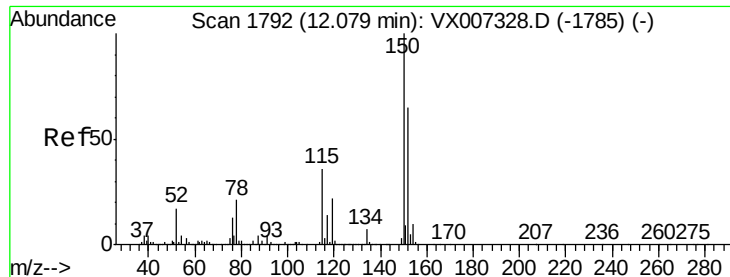


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007635.D  
Acq: 21 Feb 2019 17:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 49.7  | 42.1  | 63.1  |
| 119     | 32.2  | 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: VX007635.D

Acq: 21 Feb 2019 17:09

Instrument :

MSVOA\_X

ClientSampleId :

PB117250ZHE#09

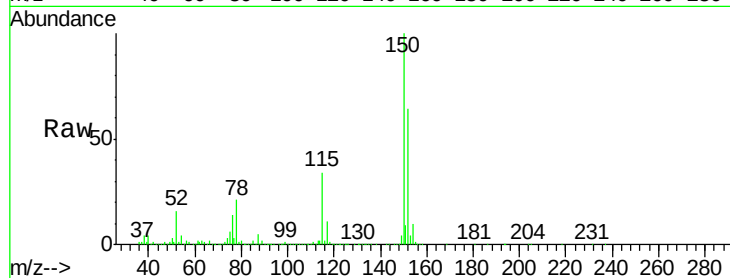
Tot Ion:152 Resp: 334108

Ion Ratio Lower Upper

152 100

115 54.6 38.0 114.0

150 157.1 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

