

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\  
 Data File : VX007423.D  
 Acq On : 07 Feb 2019 14:16  
 Operator : JC/SP  
 Sample : K1396-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMP-1

Quant Time: Feb 08 22:27:50 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  | 513371   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 793144   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 755903   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 378313   | 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   | 279568   | 51.31 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.62% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 253946   | 49.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.42%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 958084   | 50.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.08% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 347879   | 49.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.52%  |          |

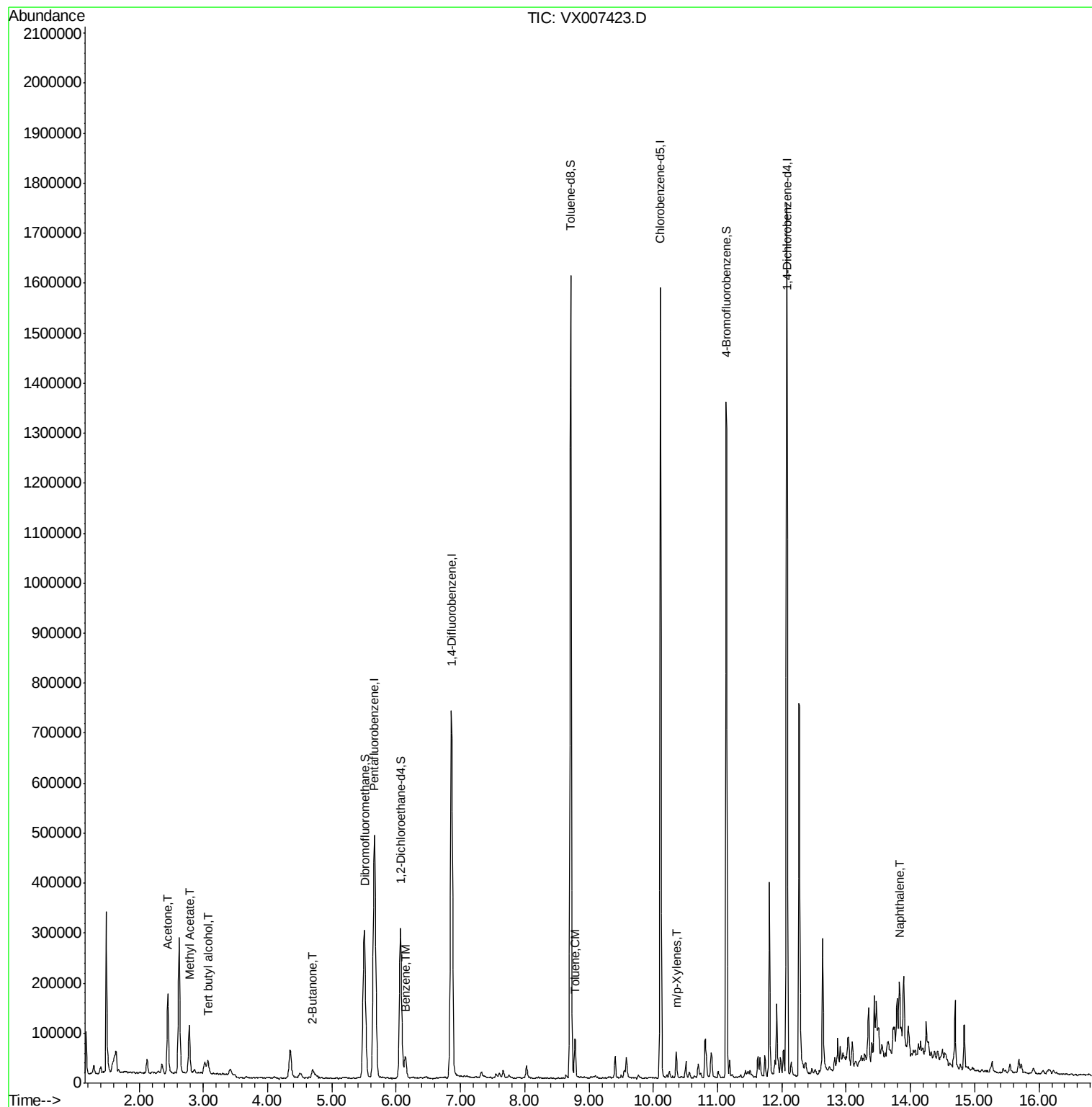
| Target Compounds       | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol | 3.07  | 59   | 34916    | 30.963 | ug/l # | 92     |
| 16) Acetone            | 2.45  | 43   | 165294   | 66.222 | ug/l   | 98     |
| 18) Methyl Acetate     | 2.78  | 43   | 117409   | 18.432 | ug/l   | 99     |
| 25) 2-Butanone         | 4.70  | 43   | 32199    | 9.065  | ug/l   | 99     |
| 40) Benzene            | 6.14  | 78   | 50589    | 2.413  | ug/l   | 99     |
| 52) Toluene            | 8.79  | 92   | 30750    | 2.274  | ug/l   | 96     |
| 68) m/p-Xylenes        | 10.36 | 106  | 12500    | 1.184  | ug/l   | 96     |
| 95) Naphthalene        | 13.83 | 128  | 60464    | 2.370  | ug/l   | 98     |

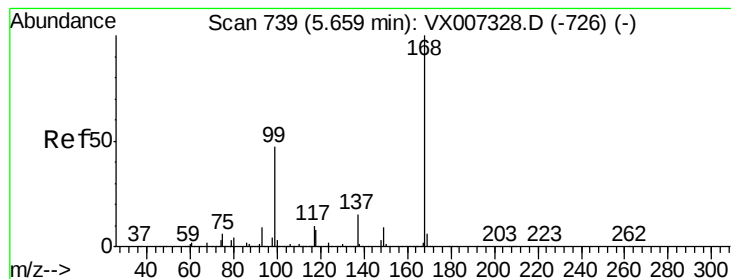
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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COMP-1

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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: VX007423.D

Acq: 07 Feb 2019 14:16

Instrument :

MSVOA\_X

ClientSampled :

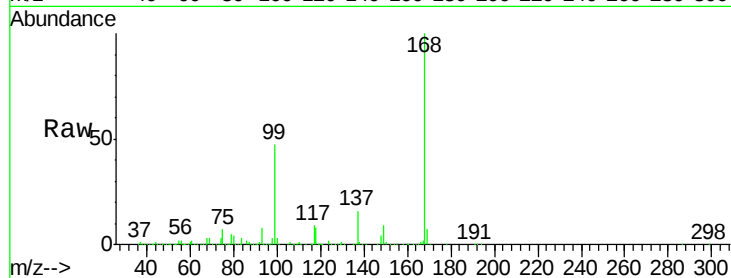
COMP-1

Tot Ion:168 Resp: 513371

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

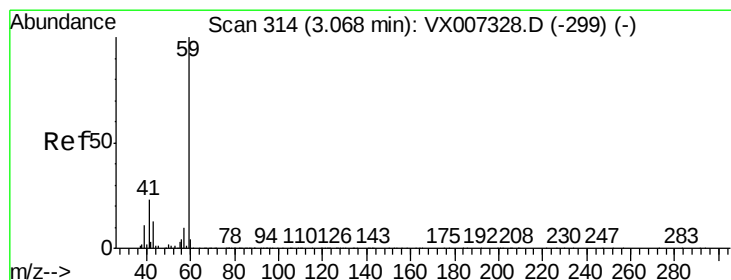
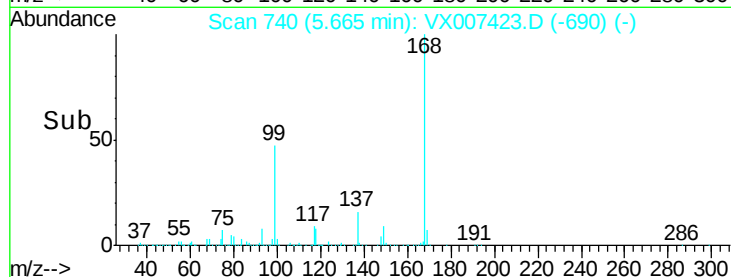
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 30.963 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.01 min

Lab File: VX007423.D

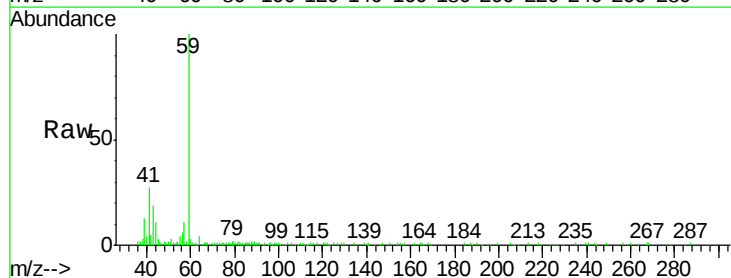
Acq: 07 Feb 2019 14:16

Tgt Ion: 59 Resp: 34916

Ion Ratio Lower Upper

59 100

57 12.9 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

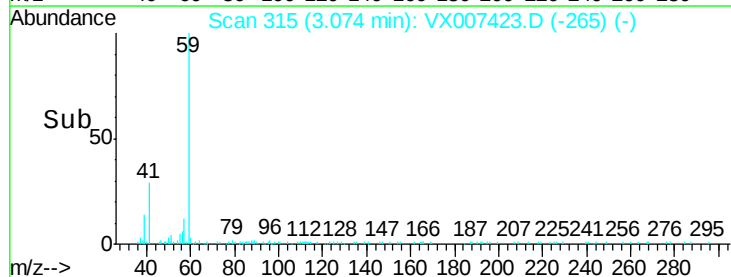
15000

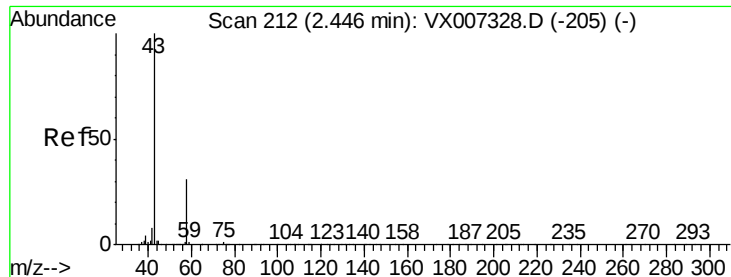
10000

5000

0

Time-->





#16

Acetone

Concen: 66.222 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007423.D

Acq: 07 Feb 2019 14:16

Instrument :

MSVOA\_X

ClientSampleId :

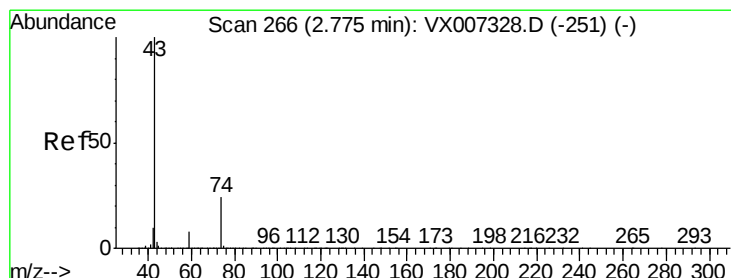
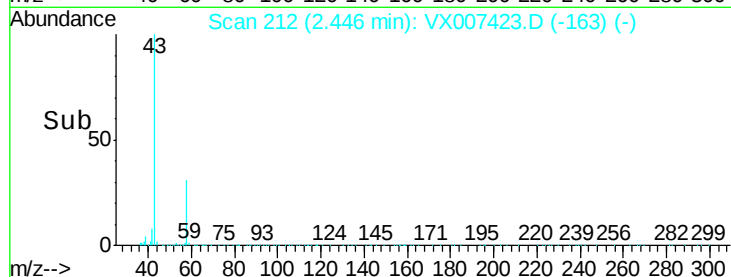
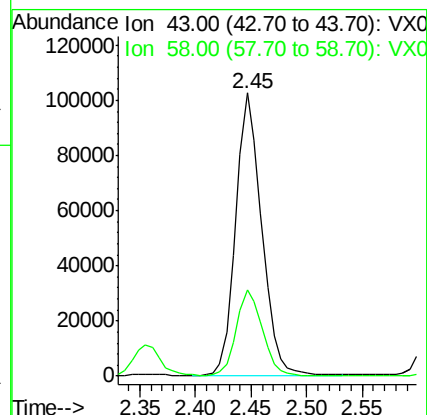
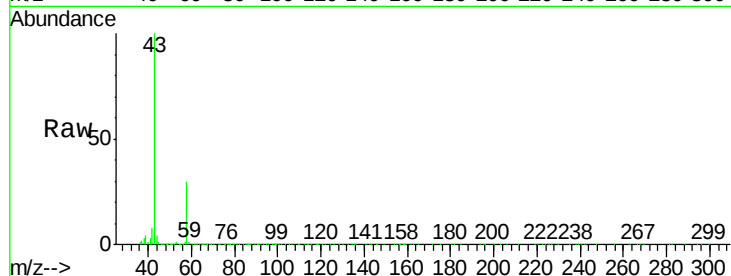
COMP-1

Tot Ion: 43 Resp: 165294

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3



#18

Methyl Acetate

Concen: 18.432 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007423.D

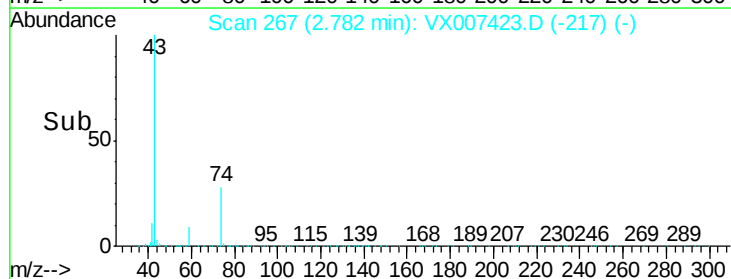
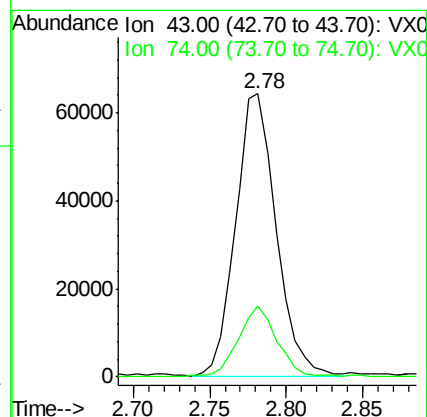
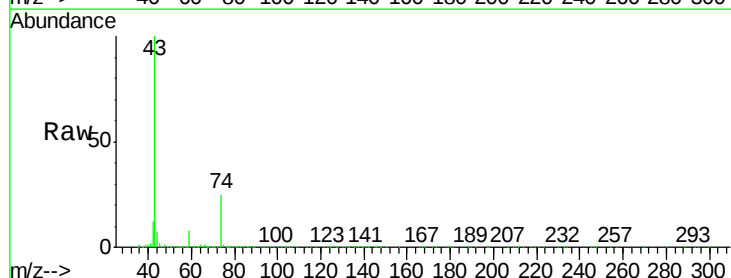
Acq: 07 Feb 2019 14:16

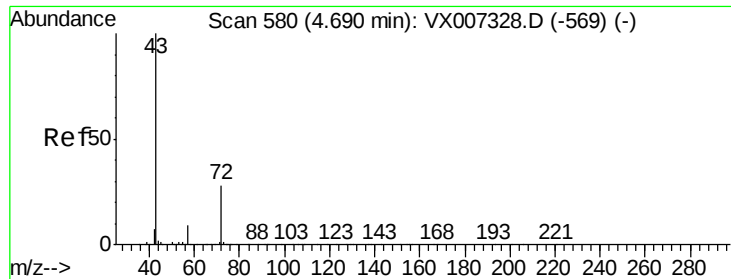
Tgt Ion: 43 Resp: 117409

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2

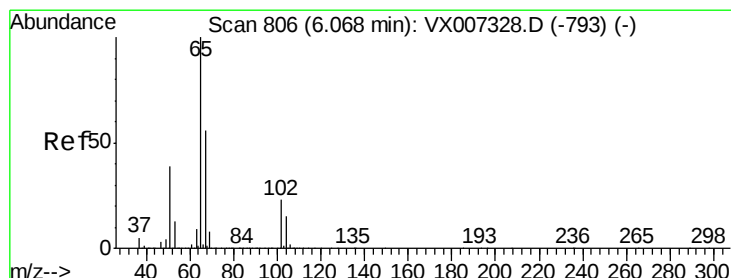
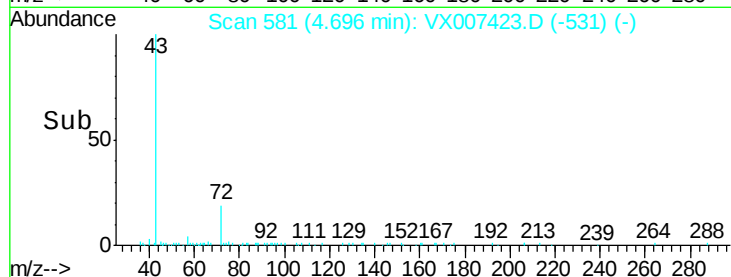
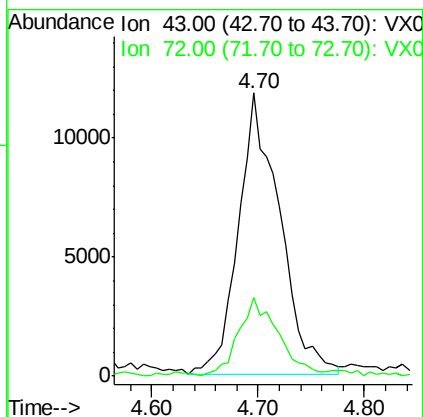
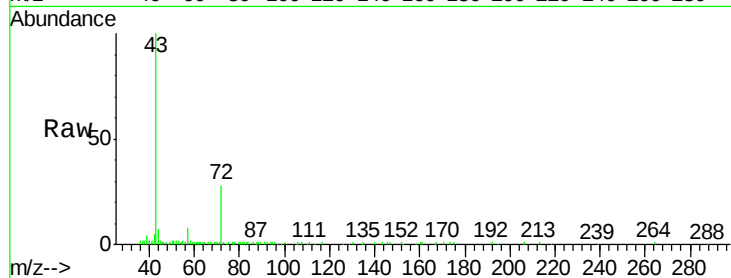




#25  
2-Butanone  
Concen: 9.065 ug/l  
RT: 4.70 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: VX007423.D  
Acq: 07 Feb 2019 14:16

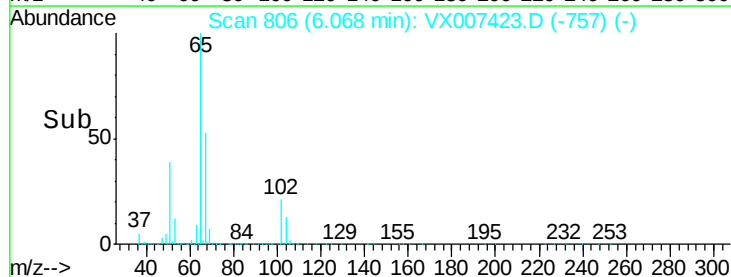
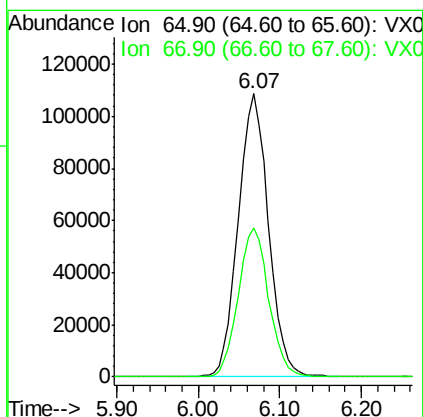
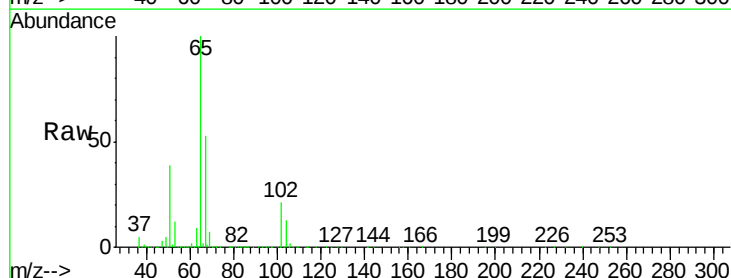
Instrument :  
MSVOA\_X  
ClientSampled :  
COMP-1

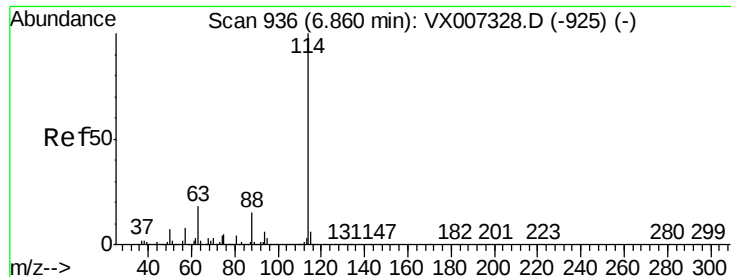
Tot Ion: 43 Resp: 32199  
Ion Ratio Lower Upper  
43 100  
72 27.0 22.2 33.2



#33  
1,2-Dichloroethane-d4  
Concen: 51.306 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: VX007423.D  
Acq: 07 Feb 2019 14:16

Tgt Ion: 65 Resp: 279568  
Ion Ratio Lower Upper  
65 100  
67 53.2 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: VX007423.D

Acq: 07 Feb 2019 14:16

Instrument :

MSVOA\_X

ClientSampleId :

COMP-1

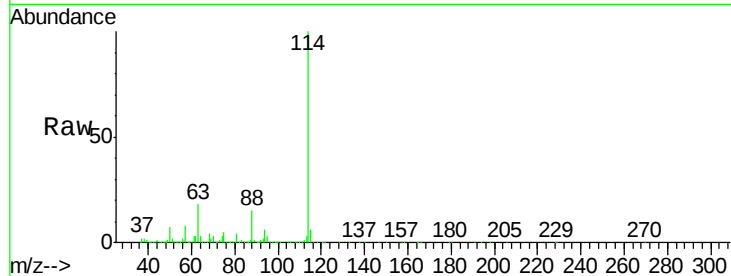
Tot Ion:114 Resp: 793144

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

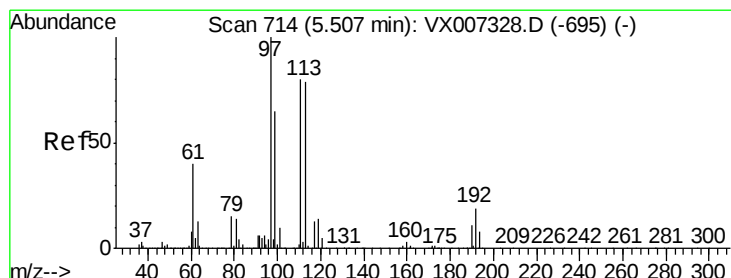
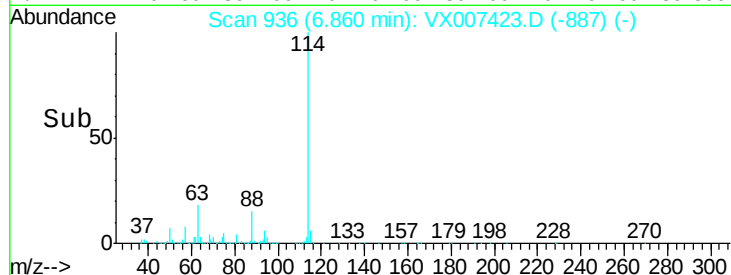
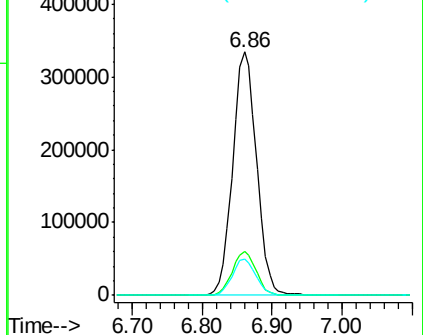
88 14.7 0.0 29.6



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: 49.208 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007423.D

Acq: 07 Feb 2019 14:16

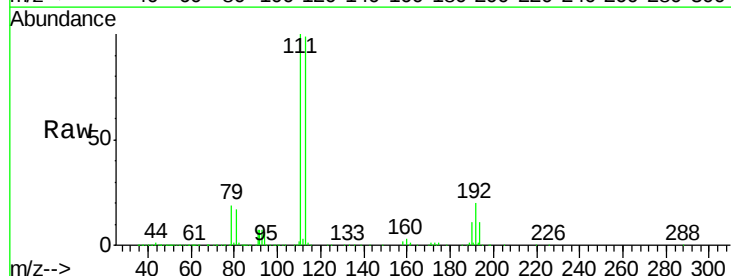
Tgt Ion:113 Resp: 253946

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

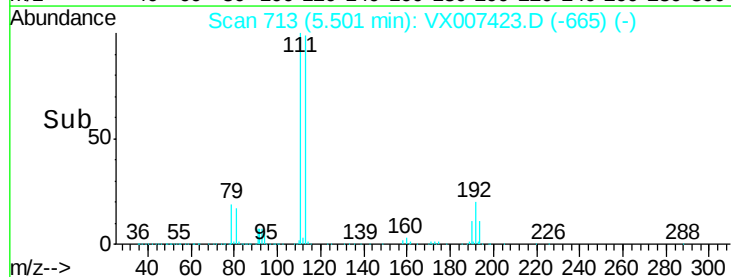
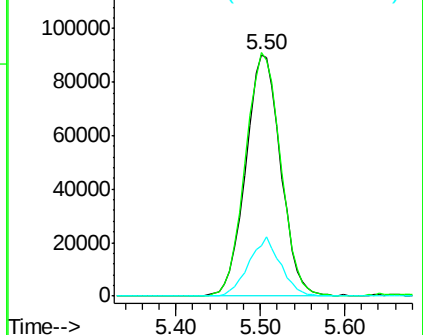
192 22.2 18.5 27.7

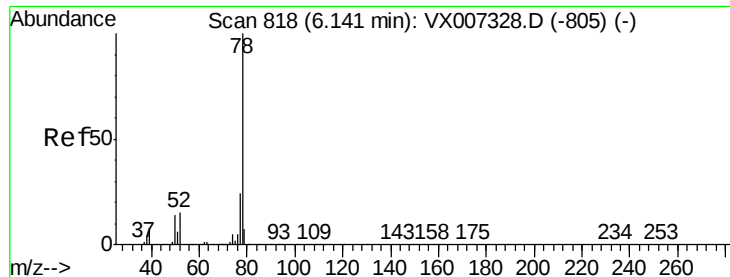


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.413 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007423.D

Acq: 07 Feb 2019 14:16

Instrument :

MSVOA\_X

ClientSampleId :

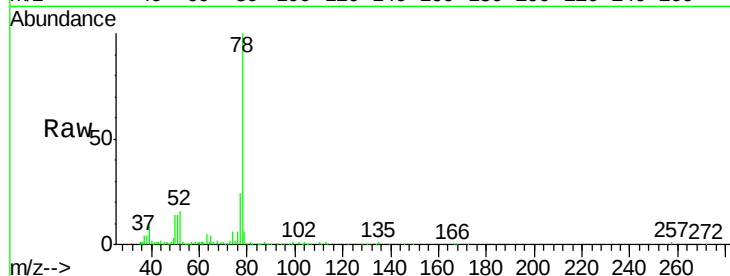
COMP-1

Tot Ion: 78 Resp: 50589

Ion Ratio Lower Upper

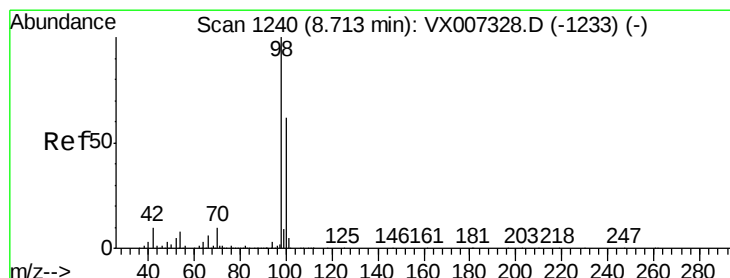
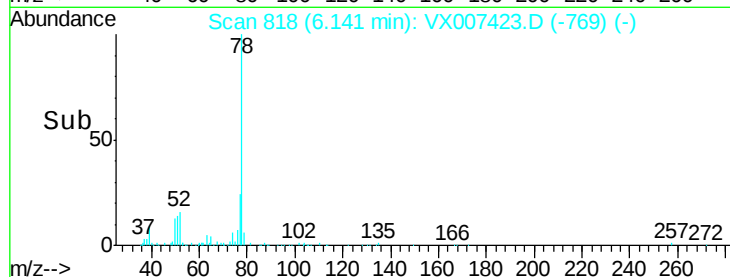
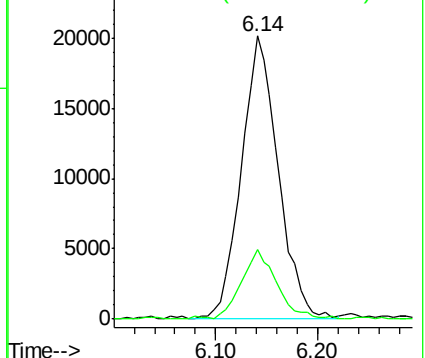
78 100

77 24.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007423.D

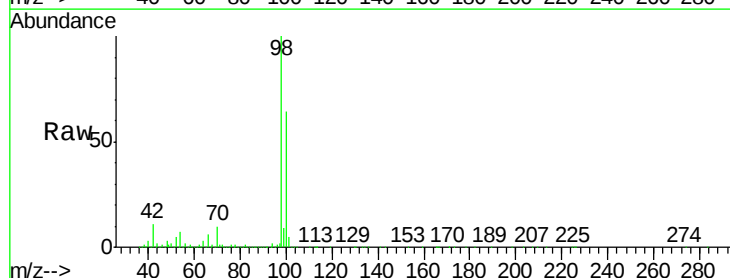
Acq: 07 Feb 2019 14:16

Tgt Ion: 98 Resp: 958084

Ion Ratio Lower Upper

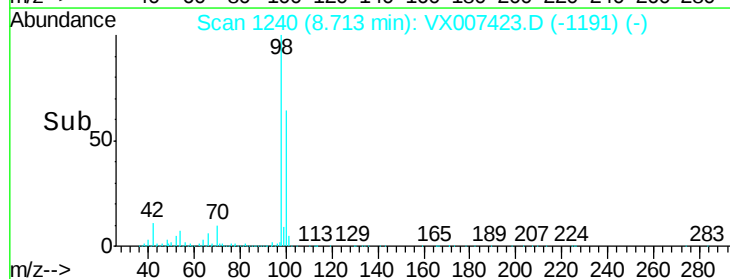
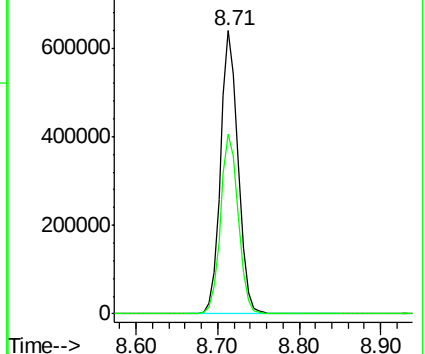
98 100

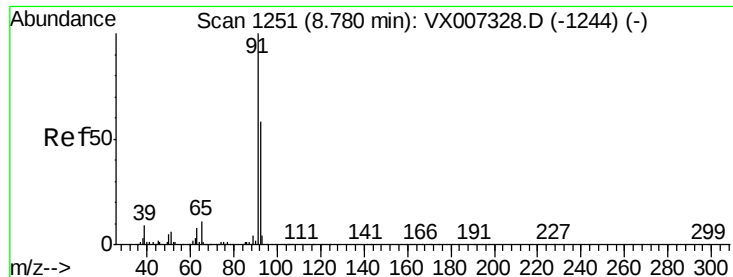
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 2.274 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007423.D

Acq: 07 Feb 2019 14:16

Instrument :

MSVOA\_X

ClientSampleId :

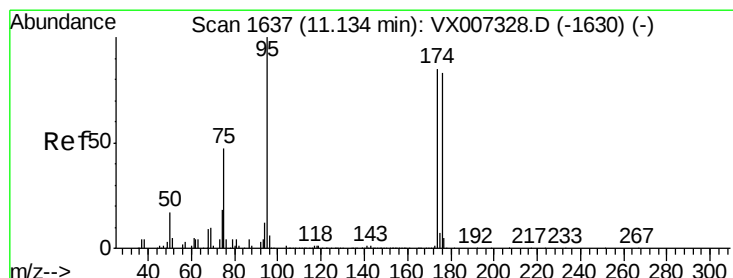
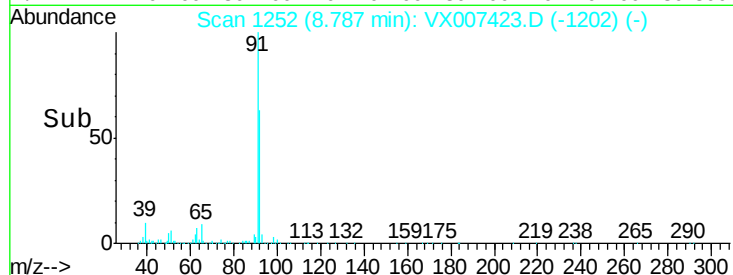
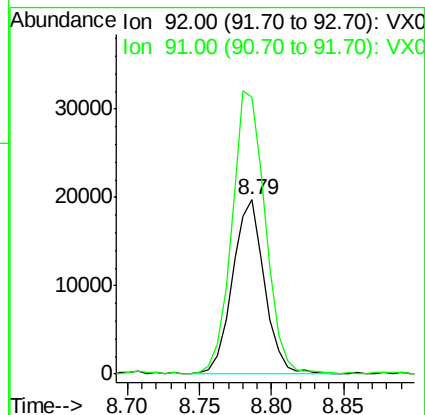
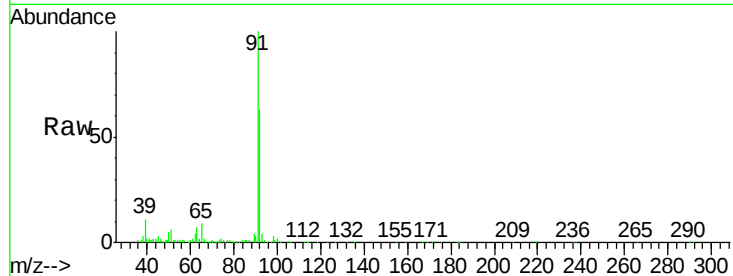
COMP-1

Tot Ion: 92 Resp: 30750

Ion Ratio Lower Upper

92 100

91 168.5 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 49.764 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007423.D

Acq: 07 Feb 2019 14:16

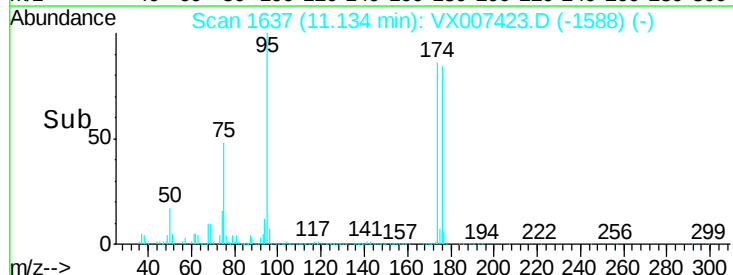
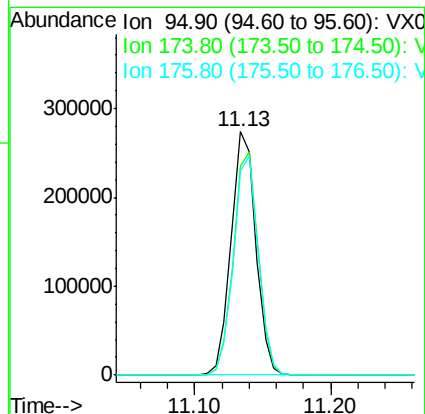
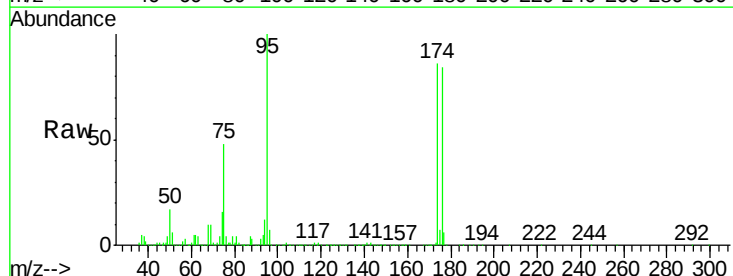
Tgt Ion: 95 Resp: 347879

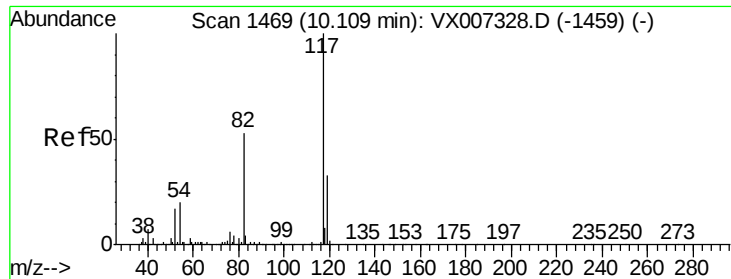
Ion Ratio Lower Upper

95 100

174 92.0 0.0 189.2

176 90.2 0.0 186.2

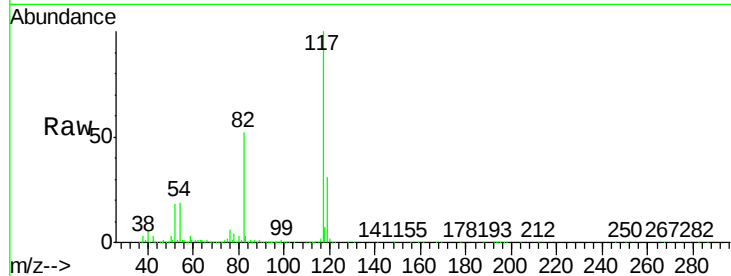




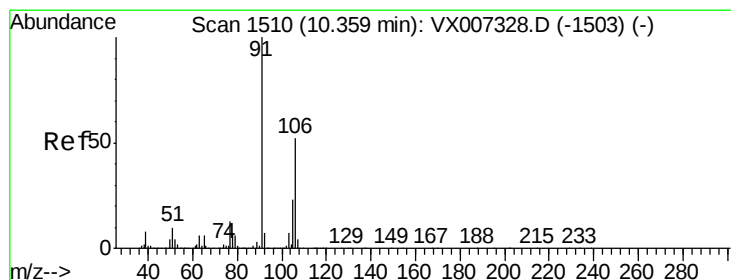
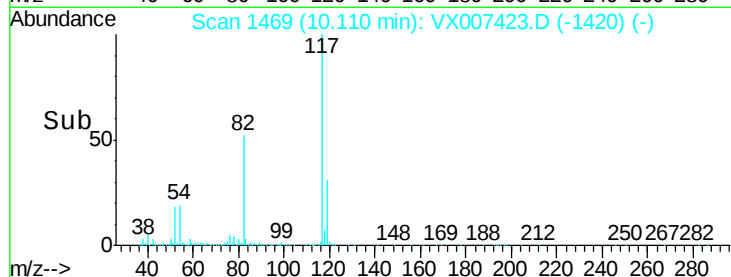
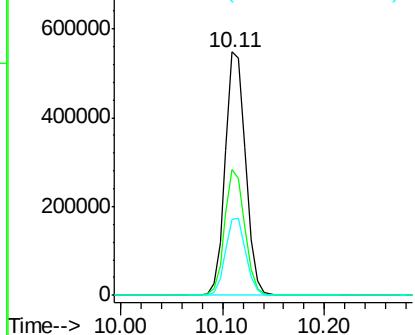
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX007423.D  
Acq: 07 Feb 2019 14:16

Instrument :  
MSVOA\_X  
ClientSampled :  
COMP-1

Tot Ion:117 Resp: 755903  
Ion Ratio Lower Upper  
117 100  
82 51.7 42.1 63.1  
119 31.2 26.5 39.7

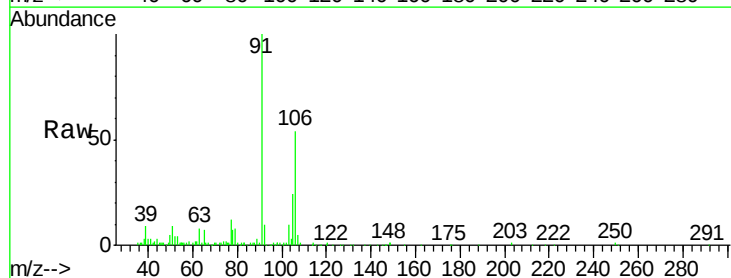


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

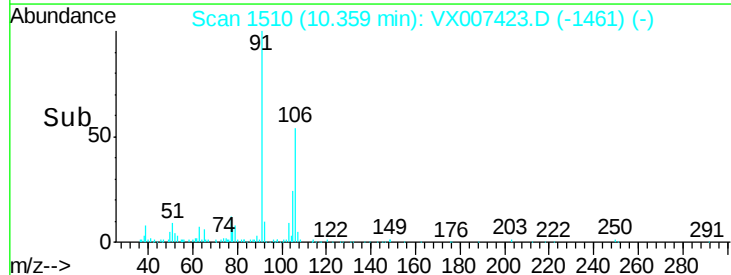
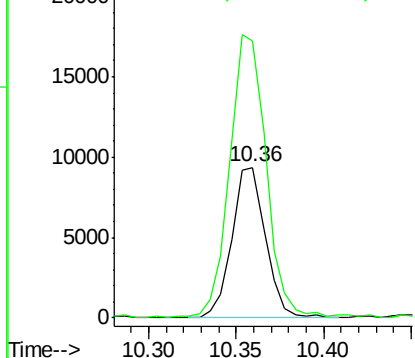


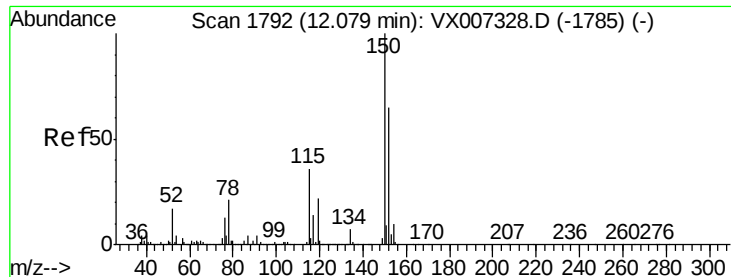
#68  
m/p-Xylenes  
Concen: 1.184 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX007423.D  
Acq: 07 Feb 2019 14:16

Tgt Ion:106 Resp: 12500  
Ion Ratio Lower Upper  
106 100  
91 202.0 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0



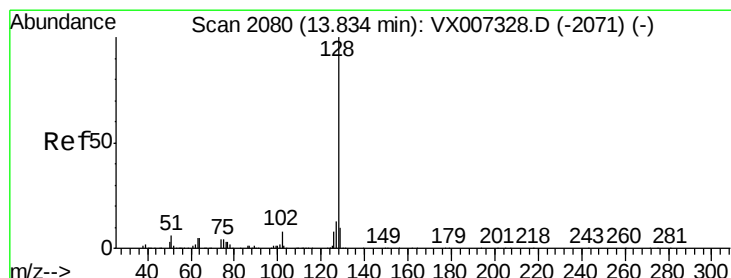
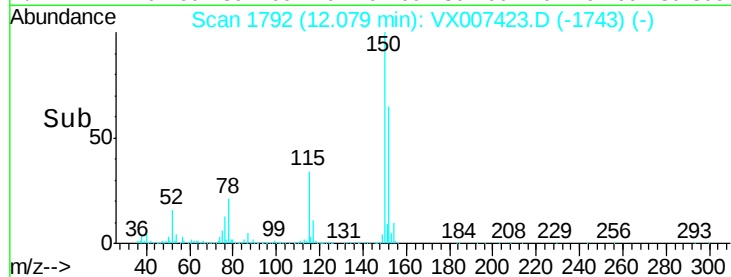
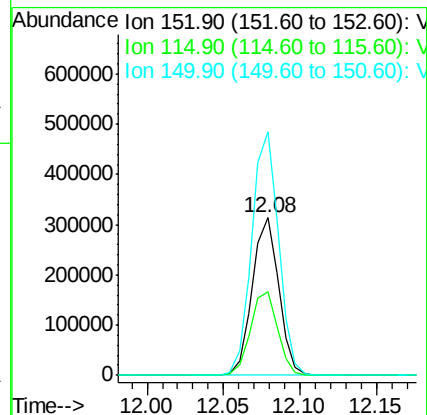
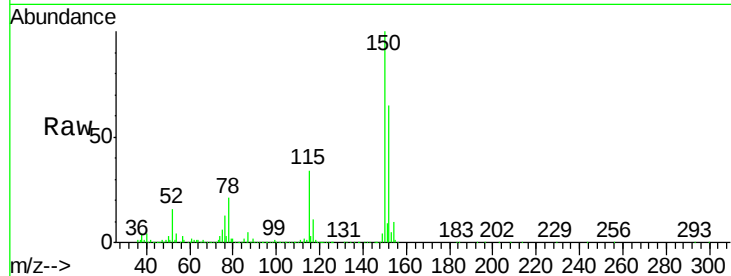


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX007423.D  
Acq: 07 Feb 2019 14:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP-1

Tot Ion:152 Resp: 378313  
Ion Ratio Lower Upper  
152 100  
115 54.5 38.0 114.0  
150 156.4 0.0 346.4



#95

Naphthalene  
Concen: 2.370 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX007423.D  
Acq: 07 Feb 2019 14:16

Tgt Ion:128 Resp: 60464  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.5 15.7  
129 12.2 8.7 13.1

