

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021819\  
 Data File : VX007594.D  
 Acq On : 18 Feb 2019 17:45  
 Operator : JC/SP  
 Sample : K1511-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STONES

Quant Time: Feb 19 05:52:34 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

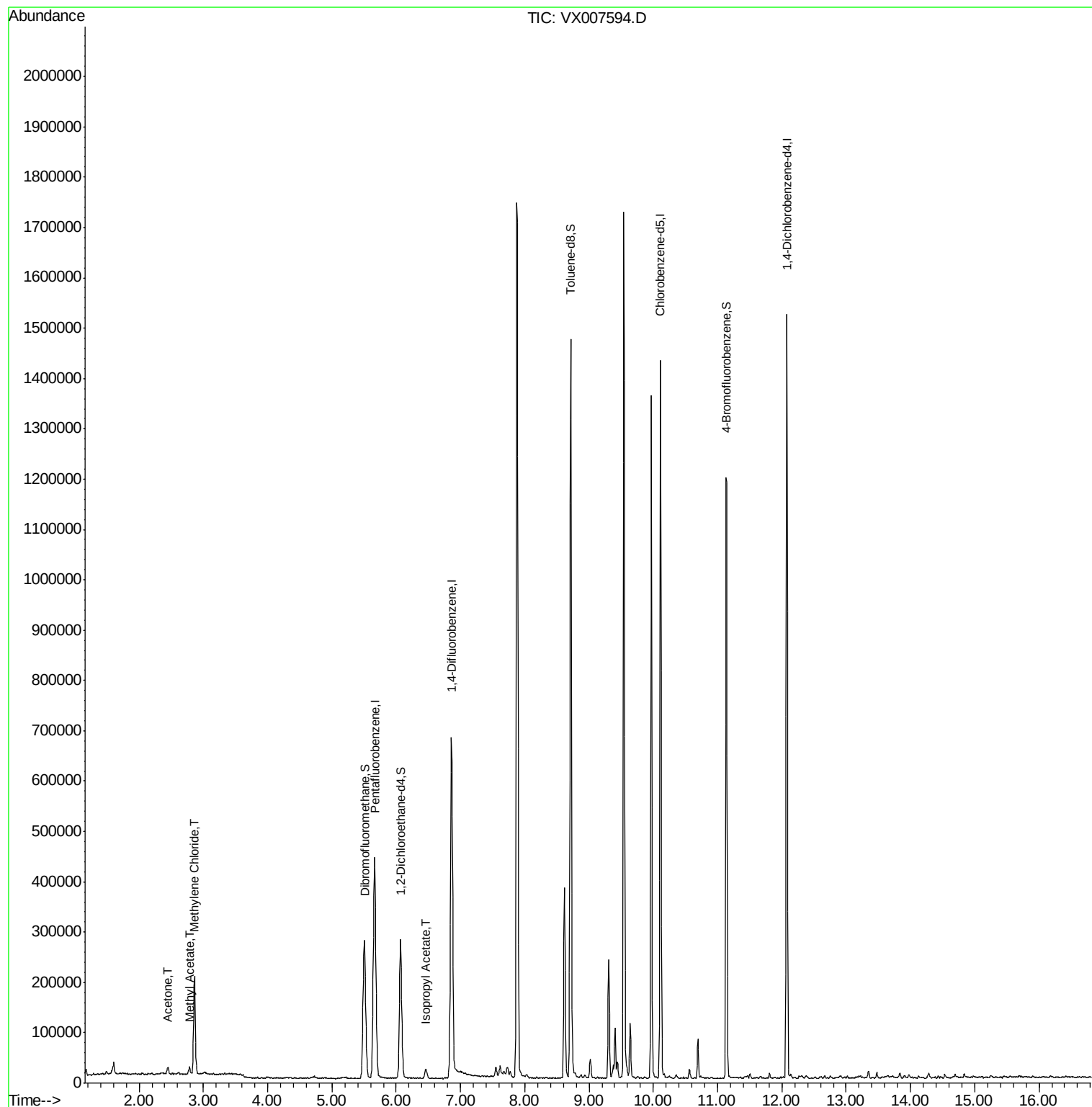
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 445009   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 713044   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 699700   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 328679   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 249692   | 52.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.72% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 234773   | 50.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.20% |          |
| 50) Toluene-d8              | 8.71  | 98   | 883390   | 51.32  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.64% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 311249   | 49.53  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.06%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 16676    | 7.707  | ug/l    | 94       |
| 18) Methyl Acetate          | 2.78  | 43   | 18198    | 3.783  | ug/l    | 94       |
| 20) Methylene Chloride      | 2.86  | 84   | 90363    | 20.212 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 24149    | 2.419  | ug/l    | 96       |

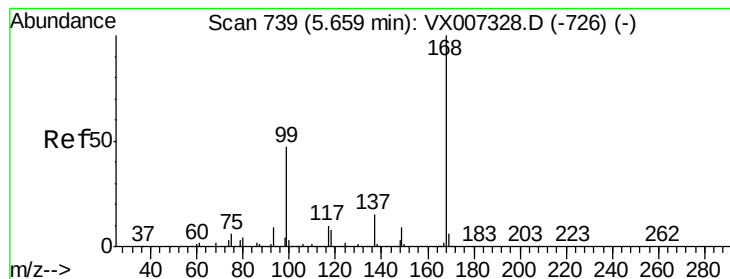
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007594.D

Acq: 18 Feb 2019 17:45

Instrument :

MSVOA\_X

ClientSampleId :

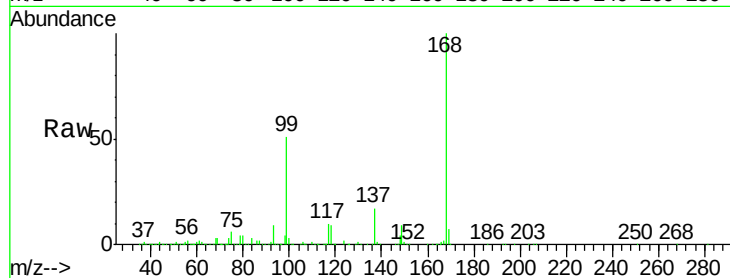
STONES

Tot Ion:168 Resp: 445009

Ion Ratio Lower Upper

168 100

99 50.9 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

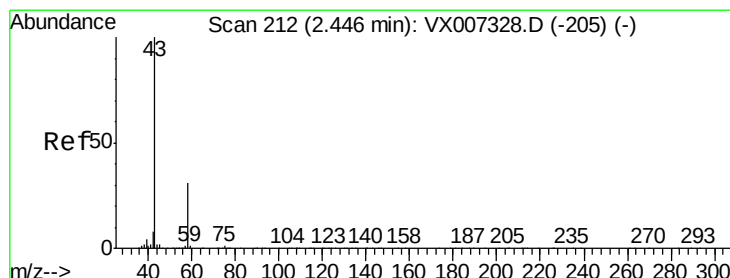
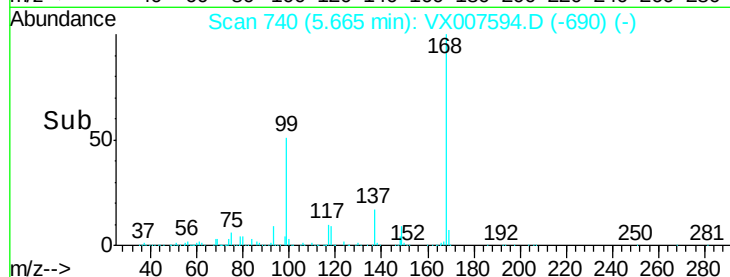
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.707 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007594.D

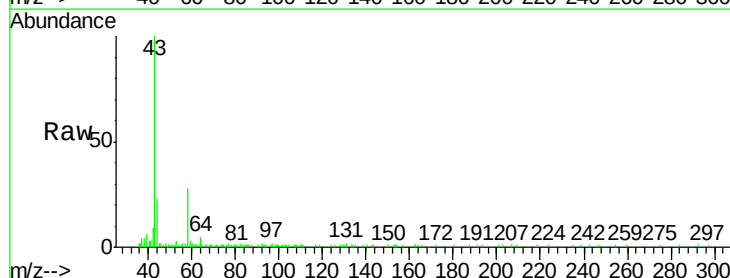
Acq: 18 Feb 2019 17:45

Tgt Ion: 43 Resp: 16676

Ion Ratio Lower Upper

43 100

58 27.7 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

12000

10000

8000

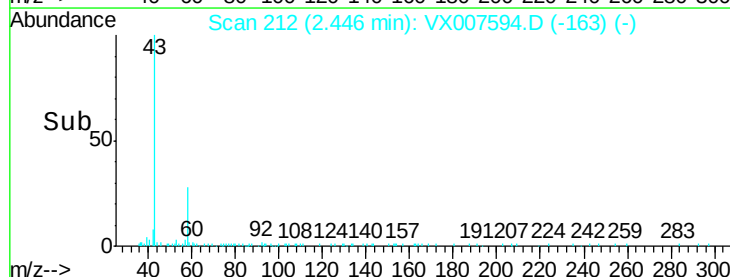
6000

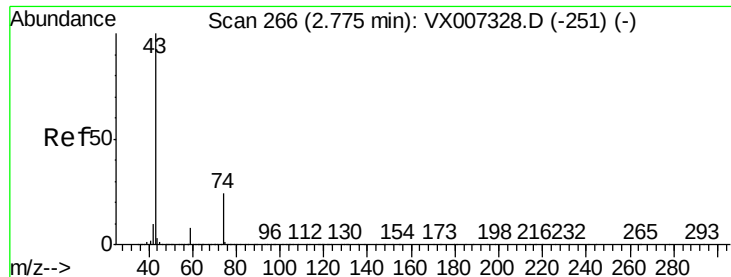
4000

2000

0

Time--> 2.40 2.45 2.50 2.55

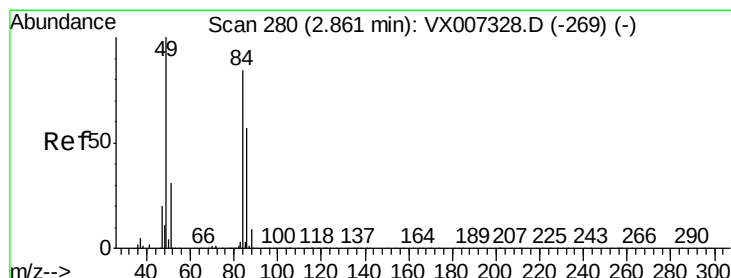
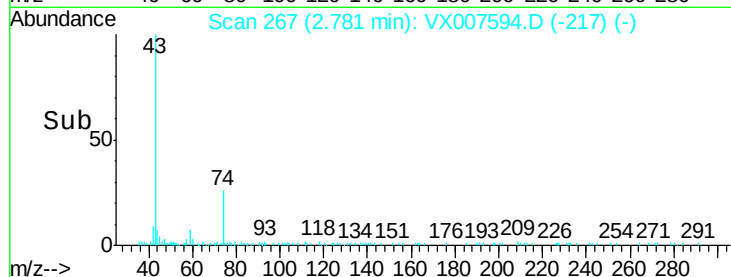
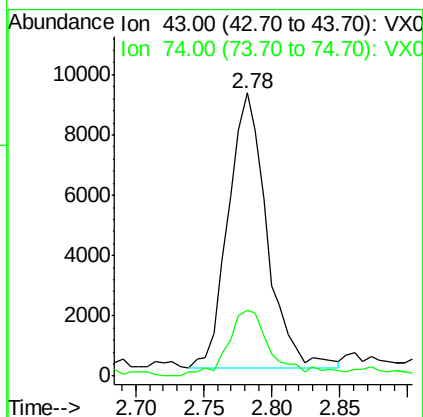
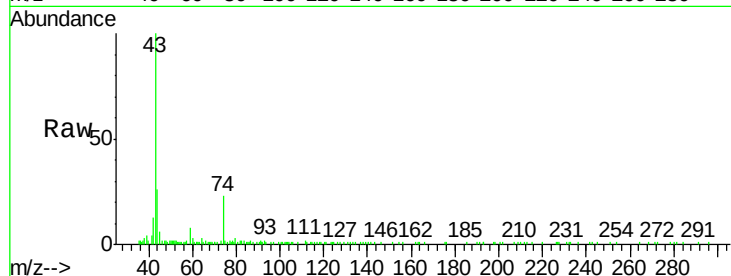




#18  
Methvl Acetate  
Concen: 3.783 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX007594.D  
Acq: 18 Feb 2019 17:45

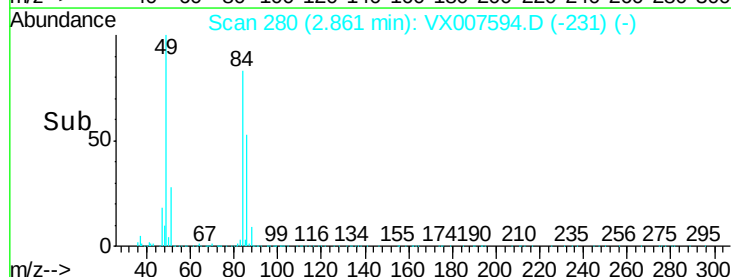
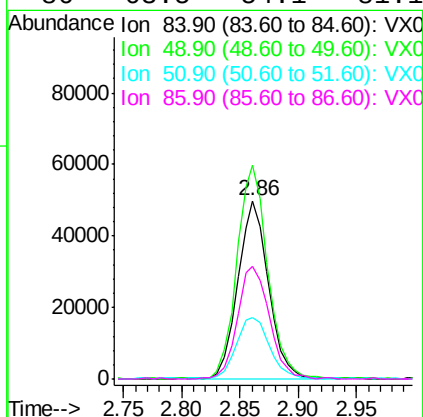
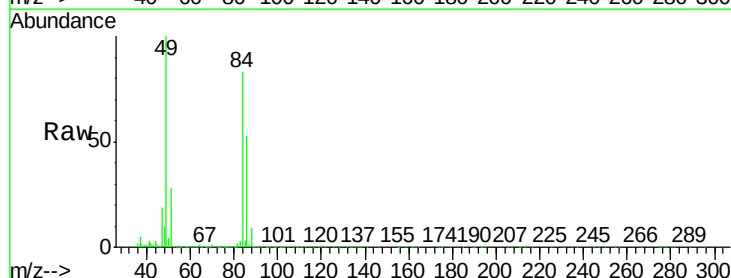
Instrument :  
MSVOA\_X  
ClientSampleId :  
STONES

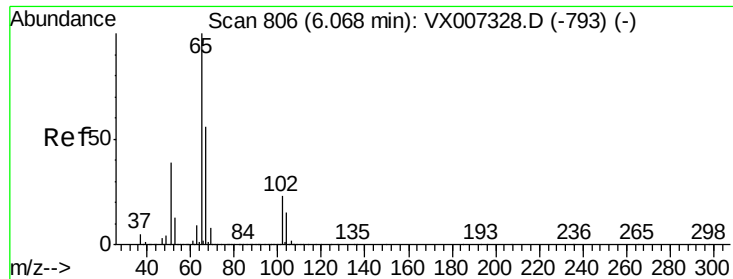
Tot Ion: 43 Resp: 18198  
Ion Ratio Lower Upper  
43 100  
74 27.3 19.4 29.2



#20  
Methylene Chloride  
Concen: 20.212 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007594.D  
Acq: 18 Feb 2019 17:45

Tgt Ion: 84 Resp: 90363  
Ion Ratio Lower Upper  
84 100  
49 119.9 94.8 142.2  
51 33.7 29.8 44.8  
86 63.5 54.1 81.1

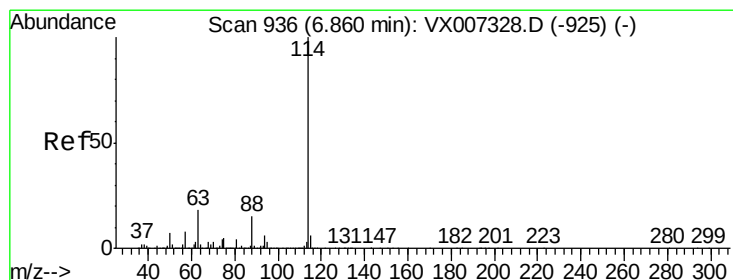
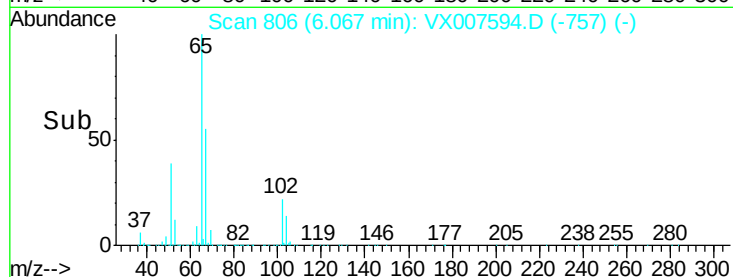
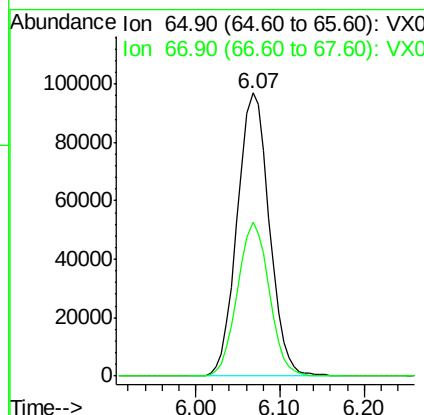
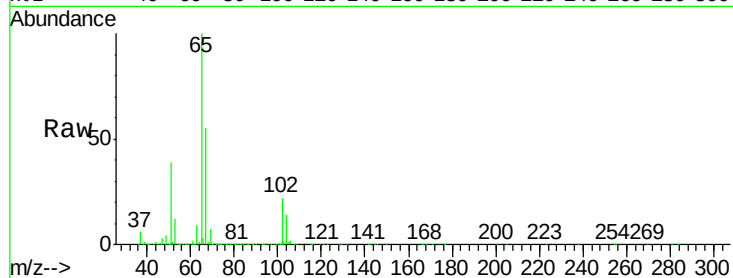




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.863 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX007594.D  
 Acq: 18 Feb 2019 17:45

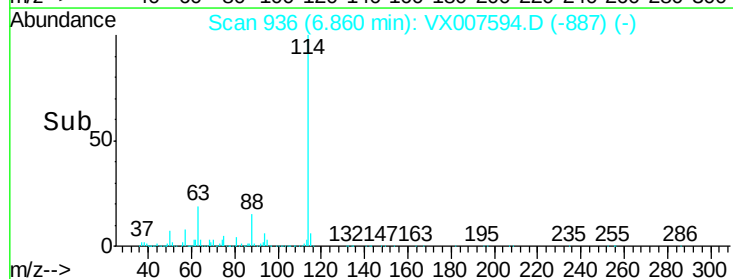
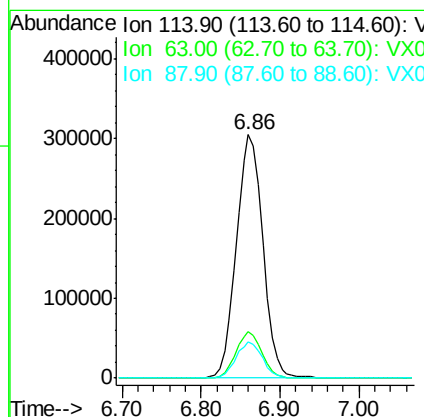
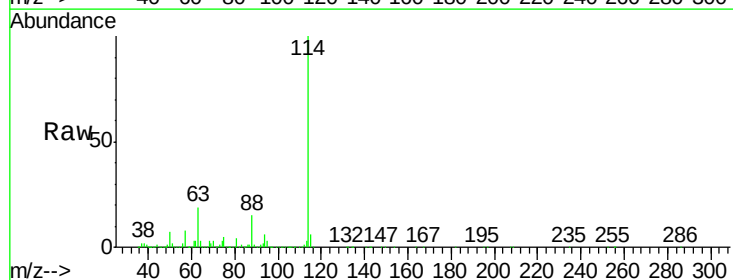
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 STONES

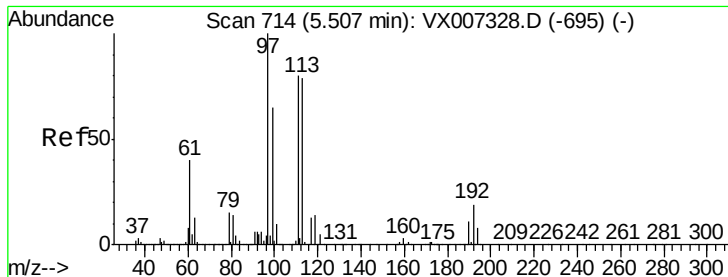
Tot Ion: 65 Resp: 249692  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX007594.D  
 Acq: 18 Feb 2019 17:45

Tgt Ion: 114 Resp: 713044  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 35.6  
 88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.603 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007594.D

Acq: 18 Feb 2019 17:45

Instrument :

MSVOA\_X

ClientSampled :

STONES

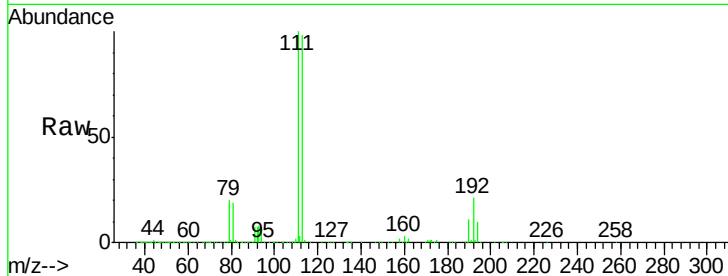
Tot Ion:113 Resp: 234773

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

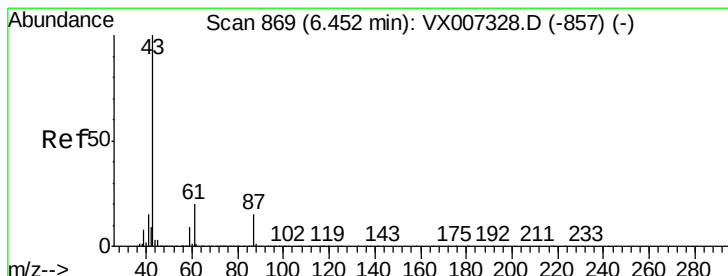
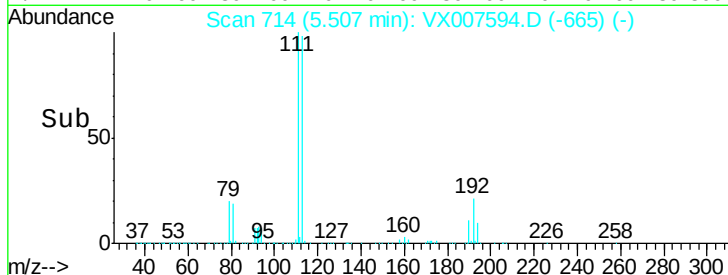
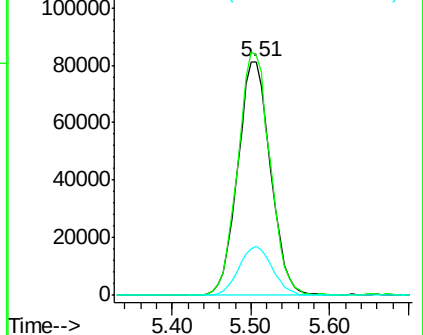
192 21.5 18.5 27.7



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



#43

Isopropyl Acetate

Concen: 2.419 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007594.D

Acq: 18 Feb 2019 17:45

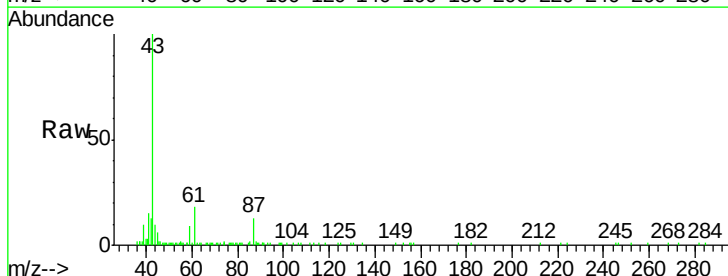
Tgt Ion: 43 Resp: 24149

Ion Ratio Lower Upper

43 100

61 20.8 16.1 24.1

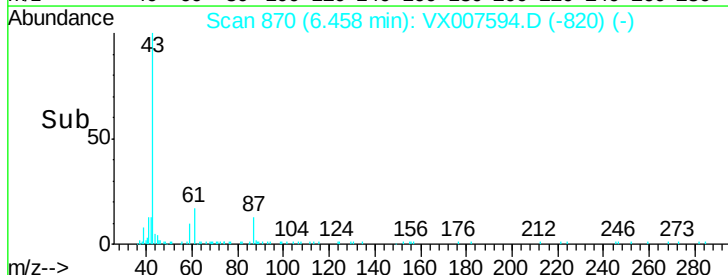
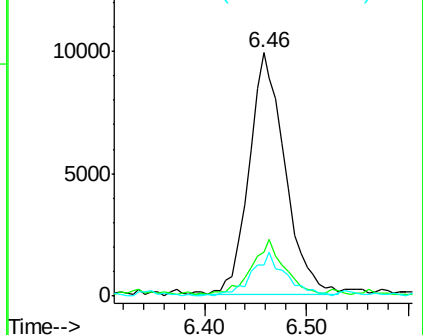
87 17.1 11.5 17.3

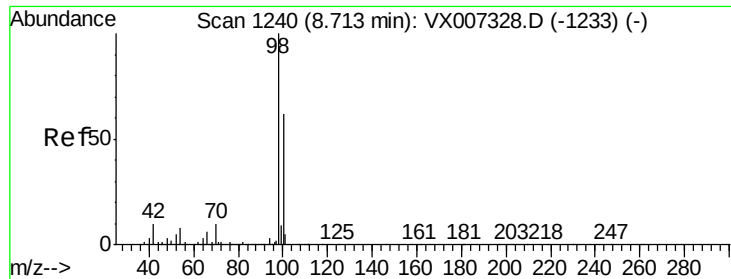


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.320 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007594.D

Acq: 18 Feb 2019 17:45

Instrument :

MSVOA\_X

ClientSampleId :

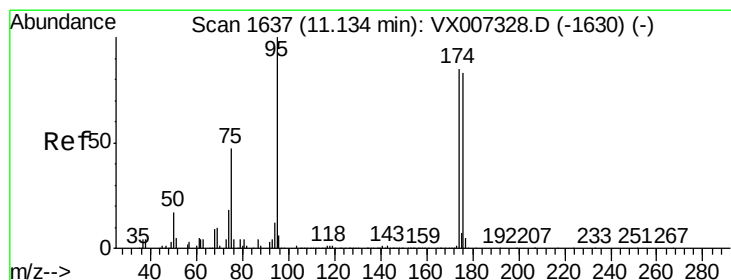
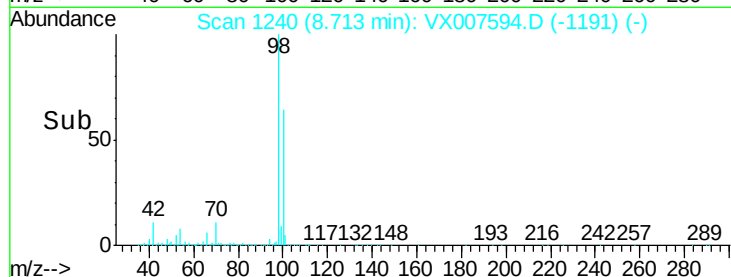
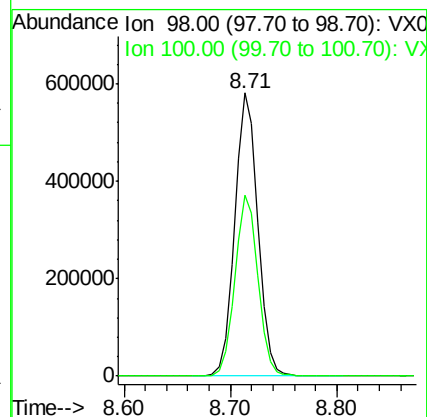
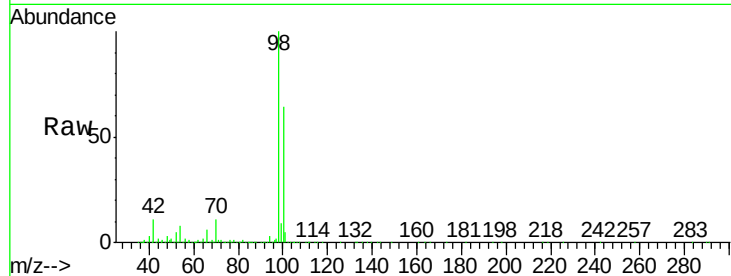
STONES

Tot Ion: 98 Resp: 883390

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 49.525 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007594.D

Acq: 18 Feb 2019 17:45

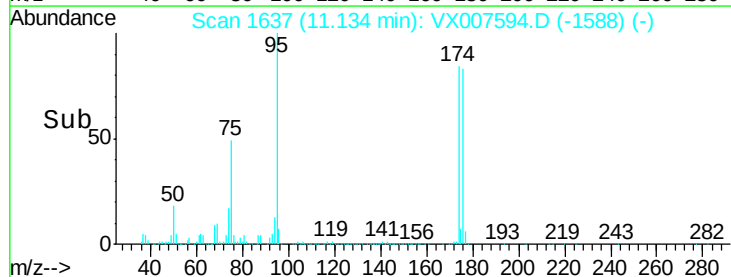
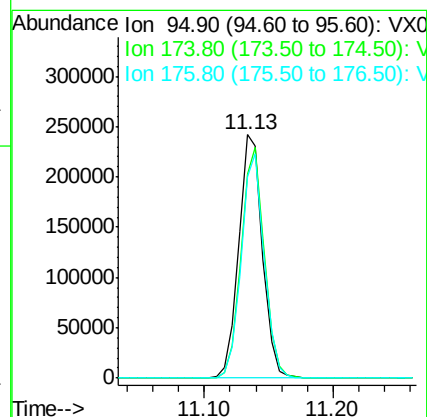
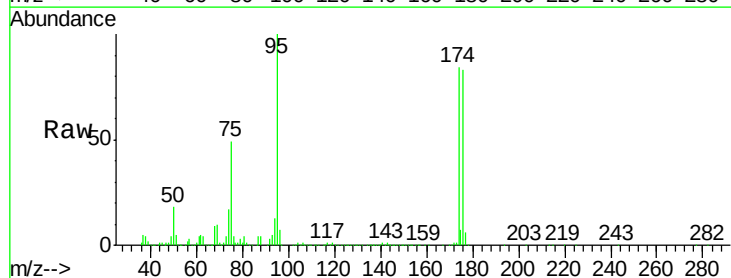
Tgt Ion: 95 Resp: 311249

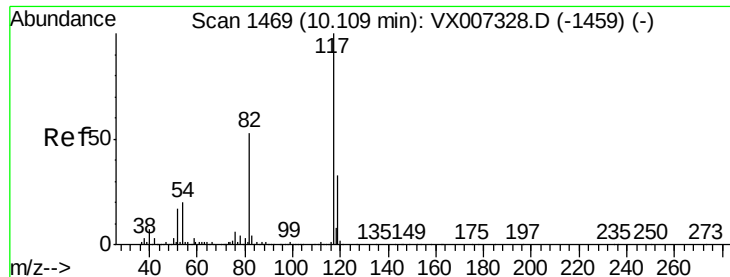
Ion Ratio Lower Upper

95 100

174 92.1 0.0 189.2

176 88.9 0.0 186.2

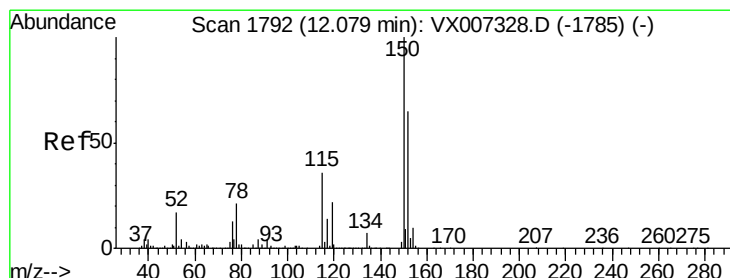
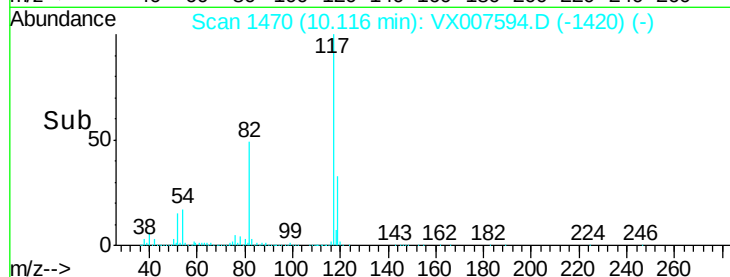
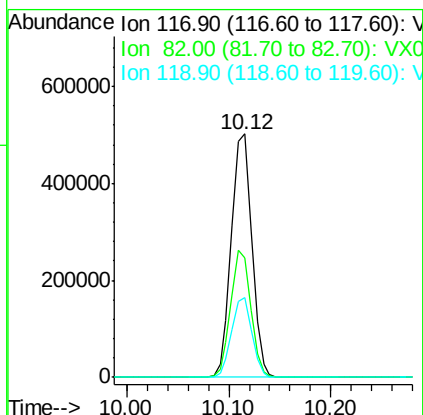
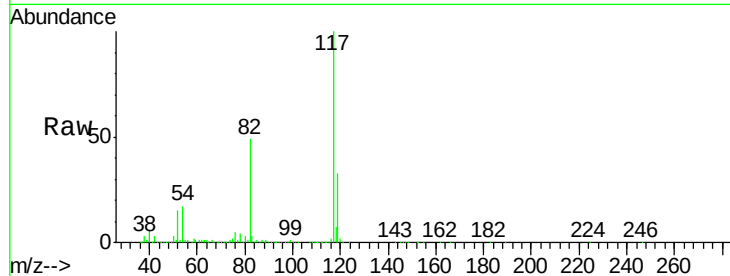




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007594.D  
Acq: 18 Feb 2019 17:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
STONES

Tot Ion:117 Resp: 699700  
Ion Ratio Lower Upper  
117 100  
82 49.0 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: VX007594.D  
Acq: 18 Feb 2019 17:45

Tgt Ion:152 Resp: 328679  
Ion Ratio Lower Upper  
152 100  
115 55.3 38.0 114.0  
150 157.7 0.0 346.4

