

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\  
 Data File : VX007429.D  
 Acq On : 07 Feb 2019 16:56  
 Operator : JC/SP  
 Sample : K1401-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RBR-200052

Quant Time: Feb 08 22:39:40 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  | 522585   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 820743   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 790551   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 383595   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 283763   | 51.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.32% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 259439   | 48.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.16%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 998095   | 50.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.74% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 353021   | 48.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.60%  |      |

## Target Compounds

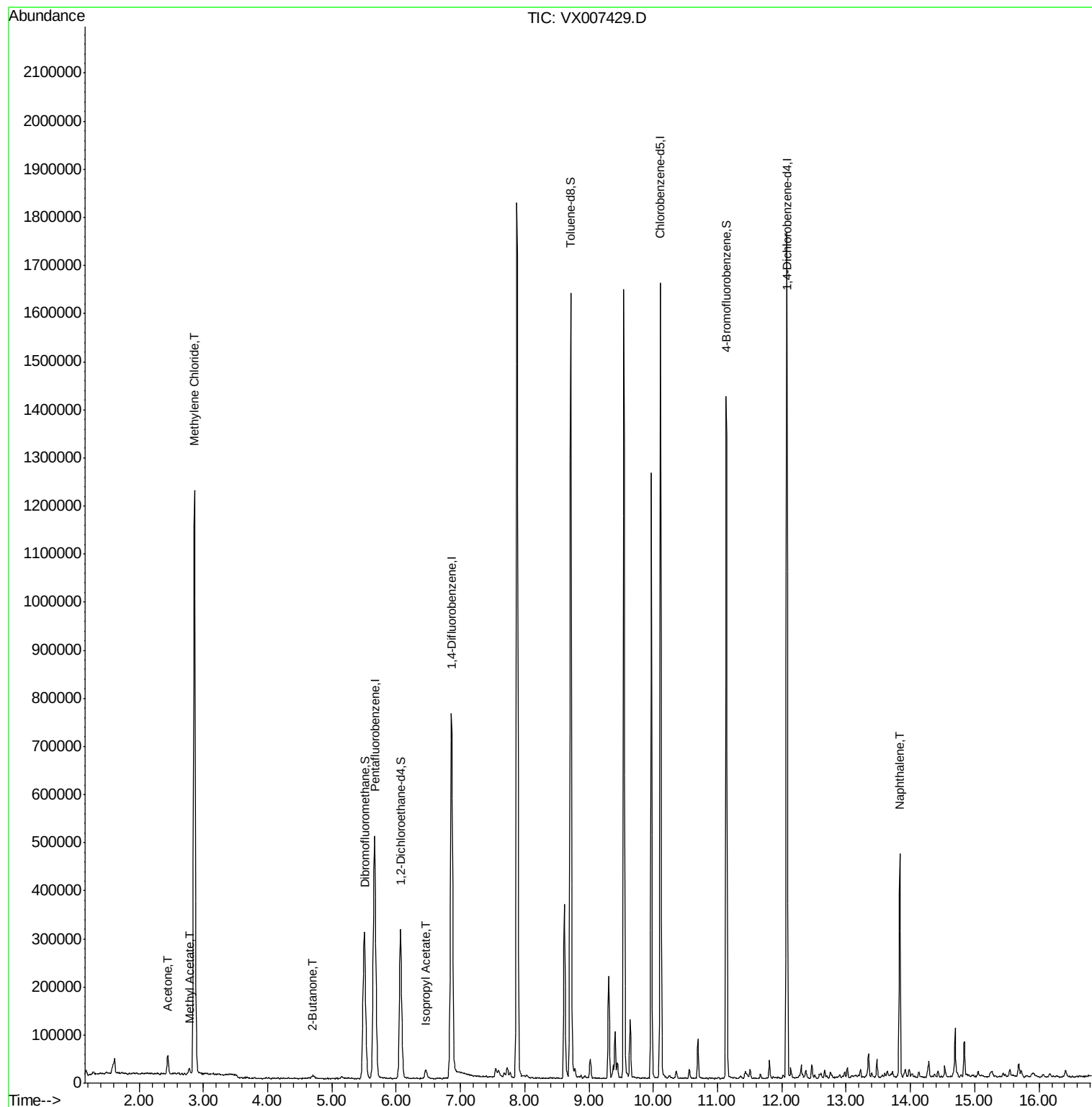
|                        |       |     |        |         | Qvalue   |
|------------------------|-------|-----|--------|---------|----------|
| 16) Acetone            | 2.45  | 43  | 42373  | 16.677  | ug/l 99  |
| 18) Methyl Acetate     | 2.78  | 43  | 16113  | 2.998   | ug/l 100 |
| 20) Methylene Chloride | 2.86  | 84  | 566511 | 109.626 | ug/l 98  |
| 25) 2-Butanone         | 4.70  | 43  | 12566  | 3.475   | ug/l 95  |
| 43) Isopropyl Acetate  | 6.46  | 43  | 23763  | 2.068   | ug/l 96  |
| 95) Naphthalene        | 13.83 | 128 | 288031 | 11.134  | ug/l 99  |

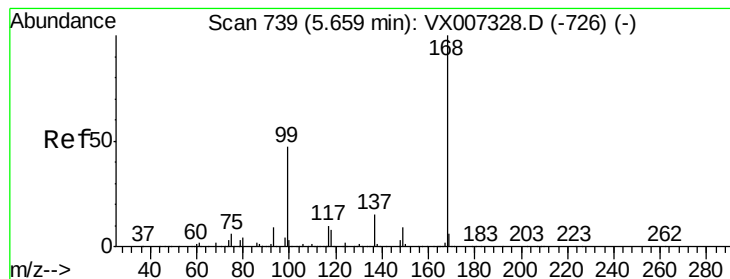
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007429.D

Acq: 07 Feb 2019 16:56

Instrument :

MSVOA\_X

ClientSampleId :

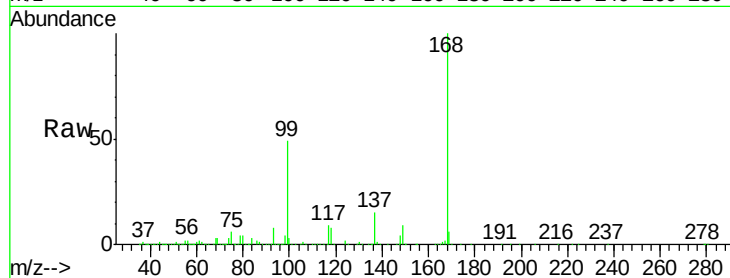
RBR-200052

Tot Ion:168 Resp: 522585

Ion Ratio Lower Upper

168 100

99 48.9 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

200000

150000

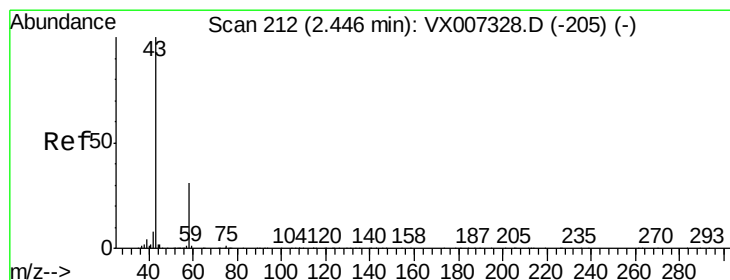
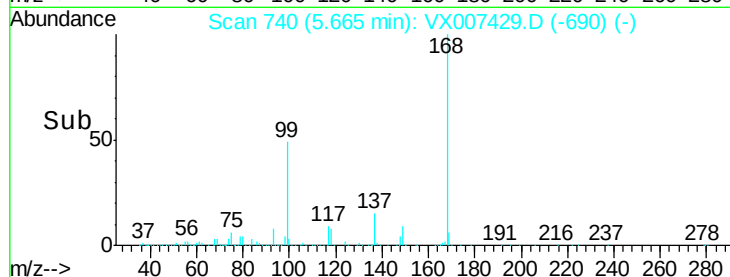
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 16.677 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007429.D

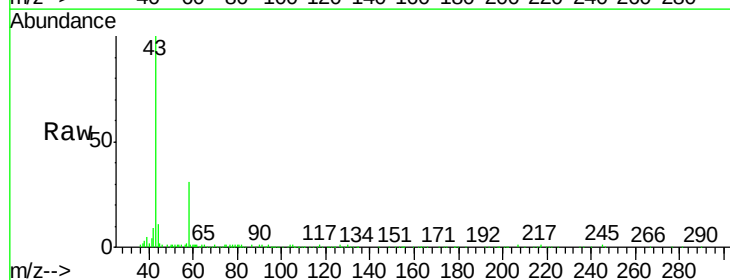
Acq: 07 Feb 2019 16:56

Tgt Ion: 43 Resp: 42373

Ion Ratio Lower Upper

43 100

58 30.3 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

30000

25000

20000

15000

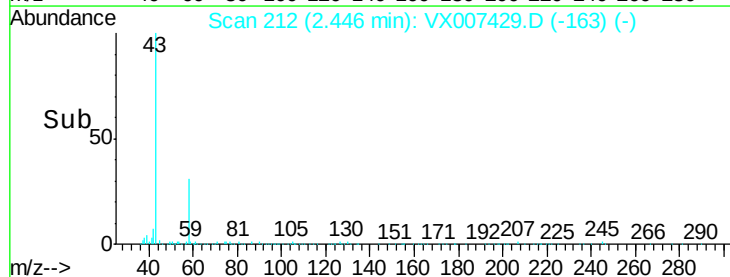
10000

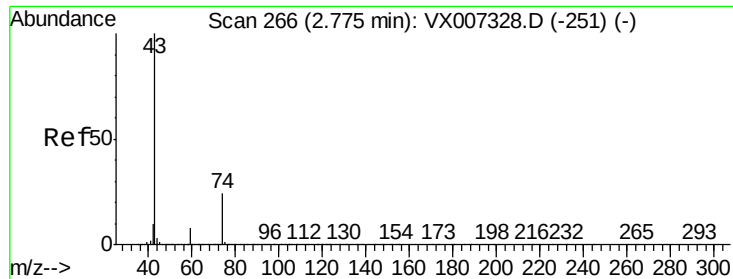
5000

0

Time-->

2.40 2.45 2.50

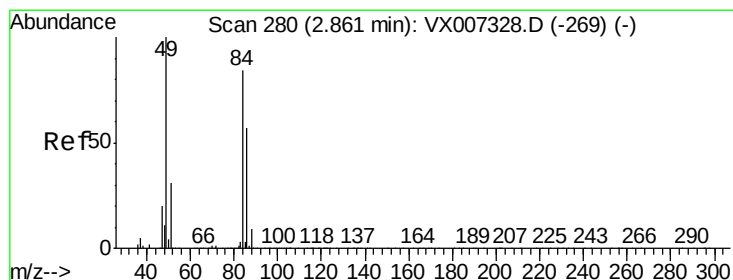
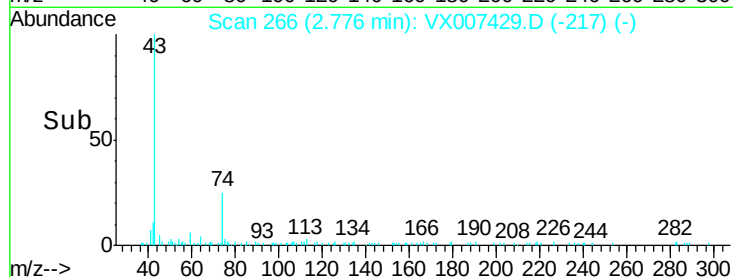
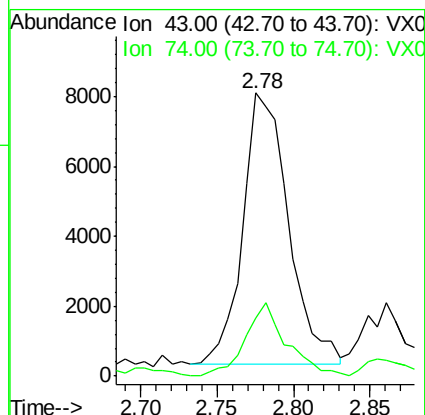
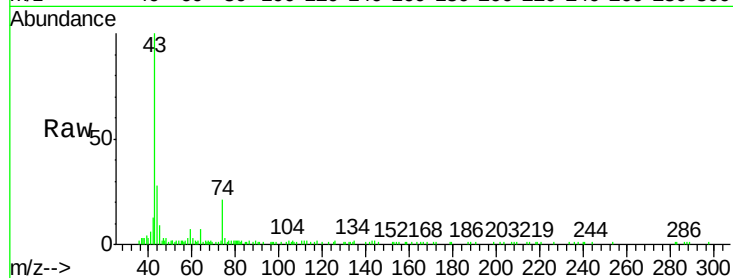




#18  
Methyl Acetate  
Concen: 2.998 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX007429.D  
Acq: 07 Feb 2019 16:56

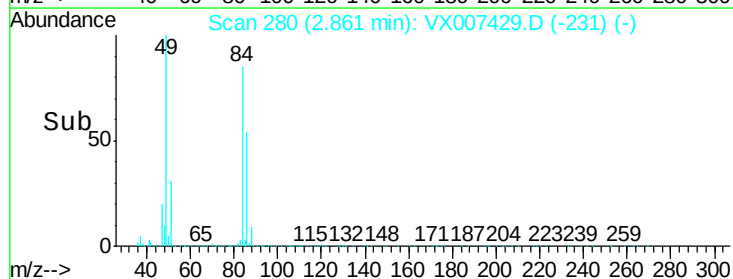
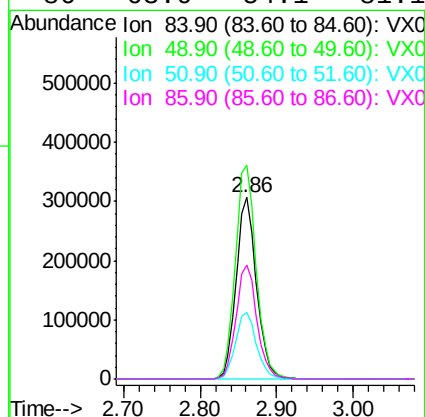
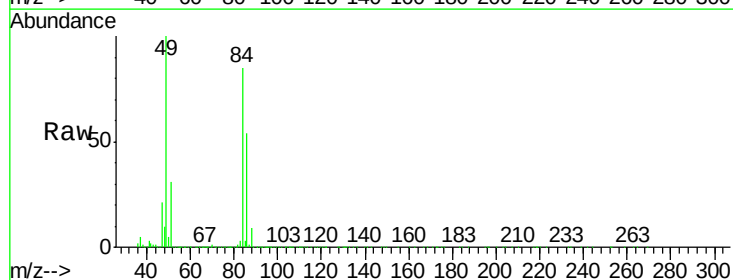
Instrument :  
MSVOA\_X  
ClientSampleId :  
RBR-200052

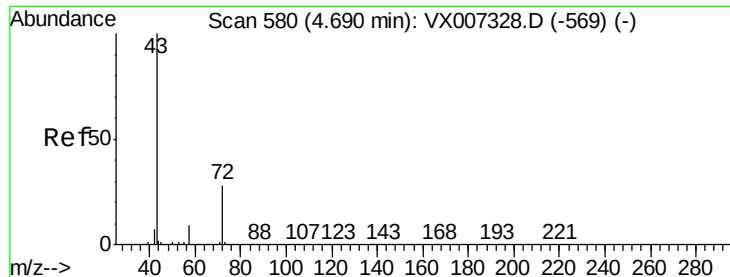
Tot Ion: 43 Resp: 16113  
Ion Ratio Lower Upper  
43 100  
74 24.4 19.4 29.2



#20  
Methylene Chloride  
Concen: 109.626 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007429.D  
Acq: 07 Feb 2019 16:56

Tgt Ion: 84 Resp: 566511  
Ion Ratio Lower Upper  
84 100  
49 117.6 94.8 142.2  
51 36.8 29.8 44.8  
86 63.0 54.1 81.1





#25

2-Butanone

Concen: 3.475 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

Instrument :

MSVOA\_X

ClientSampleId :

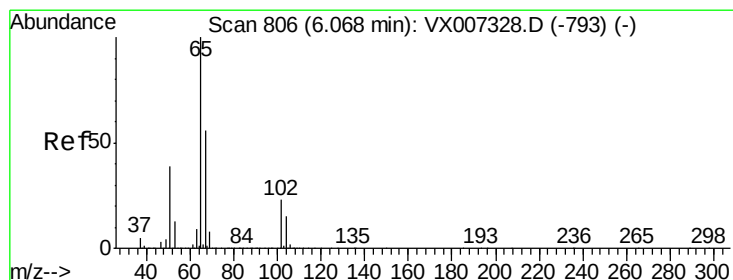
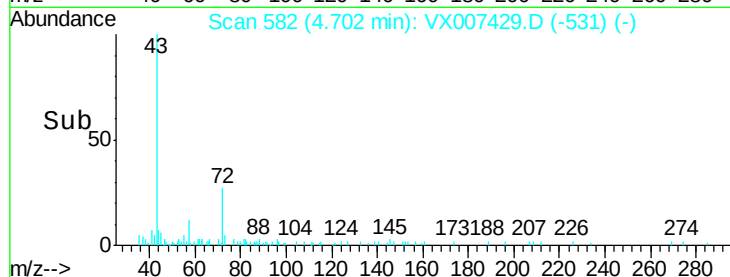
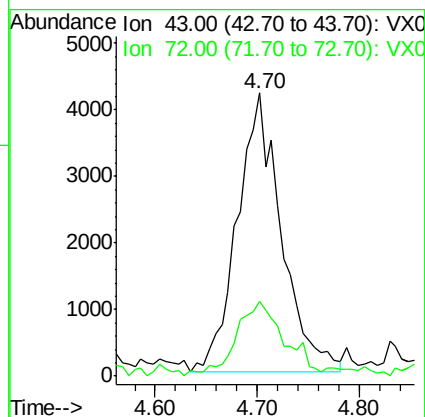
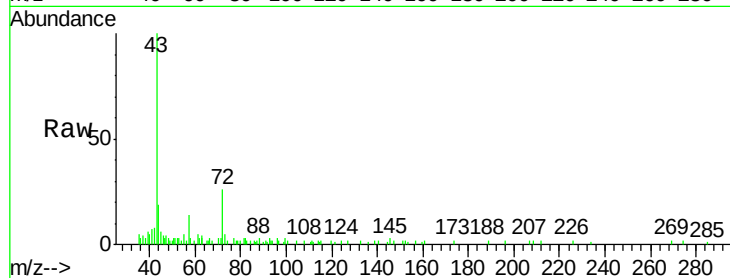
RBR-200052

Tot Ion: 43 Resp: 12566

Ion Ratio Lower Upper

43 100

72 25.0 22.2 33.2



#33

1,2-Dichloroethane-d4

Concen: 51.158 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007429.D

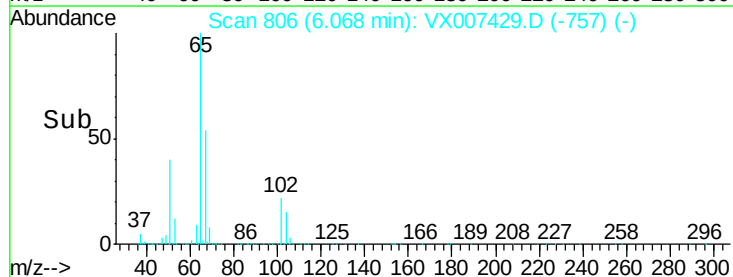
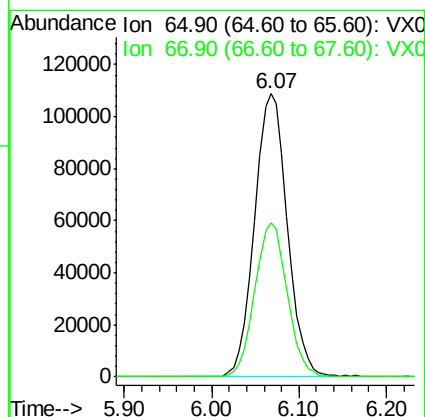
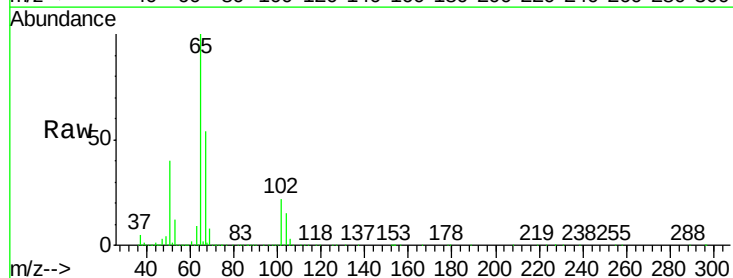
Acq: 07 Feb 2019 16:56

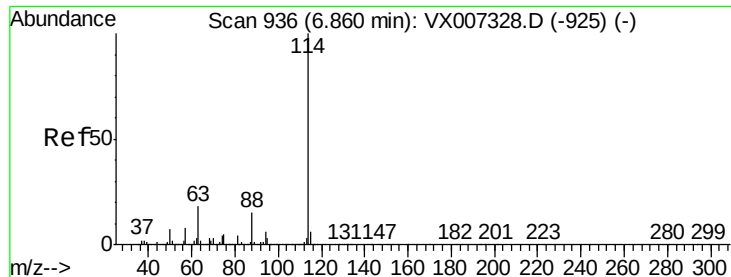
Tgt Ion: 65 Resp: 283763

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: VX007429.D

Acq: 07 Feb 2019 16:56

Instrument :

MSVOA\_X

ClientSampleId :

RBR-200052

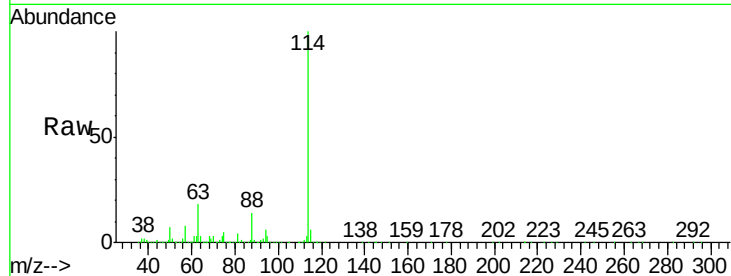
Tot Ion:114 Resp: 820743

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

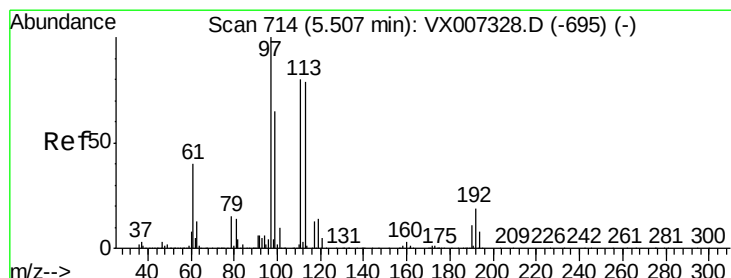
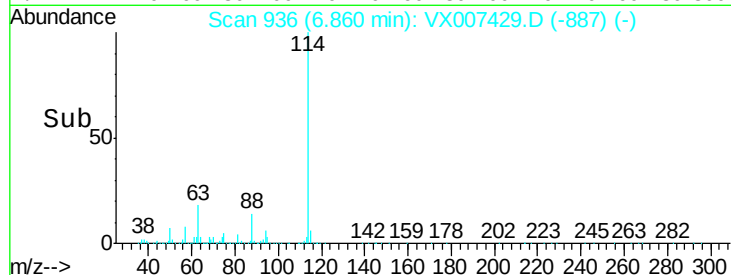
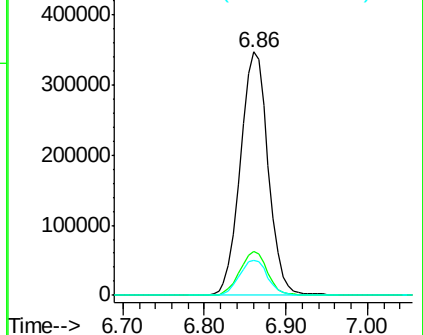
88 14.5 0.0 29.6



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: 48.582 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

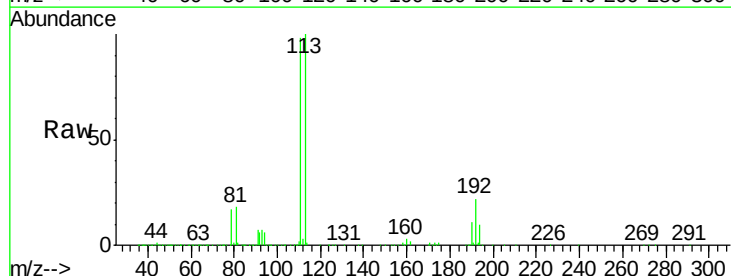
Tgt Ion:113 Resp: 259439

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

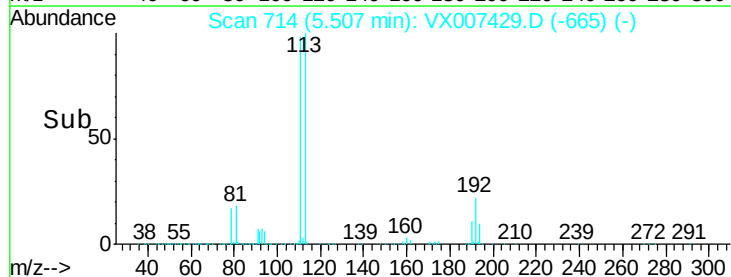
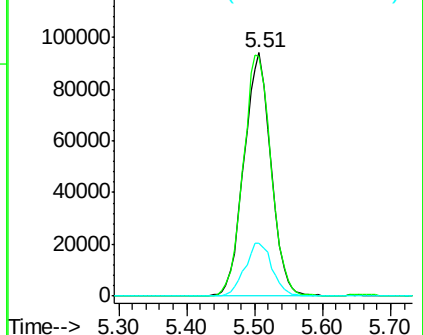
192 22.0 18.5 27.7

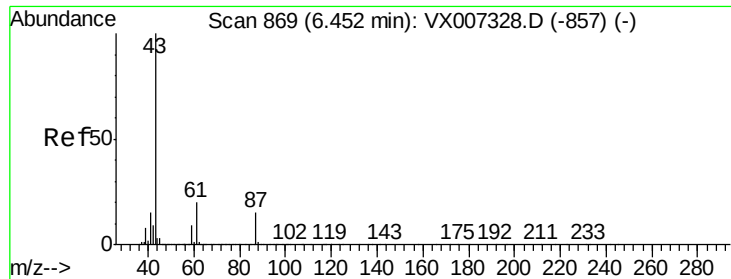


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.068 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

Instrument :

MSVOA\_X

ClientSampleId :

RBR-200052

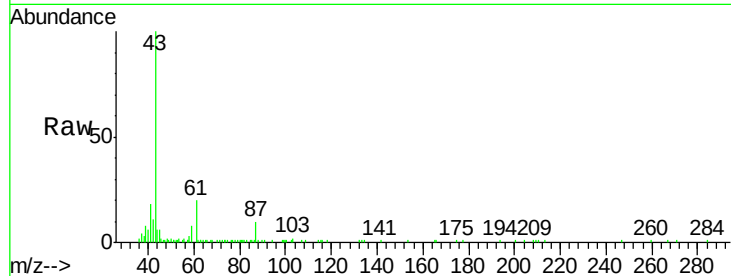
Tot Ion: 43 Resp: 23763

Ion Ratio Lower Upper

43 100

61 23.1 16.1 24.1

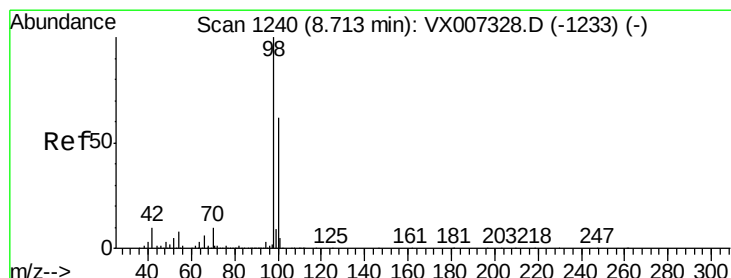
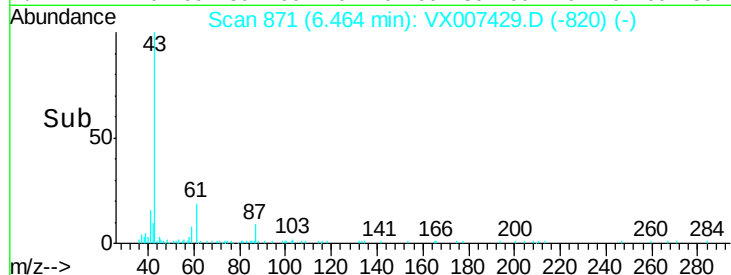
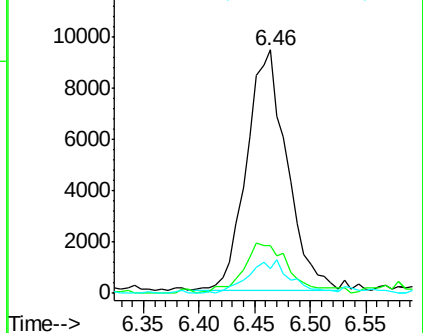
87 14.2 11.5 17.3



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: 50.375 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007429.D

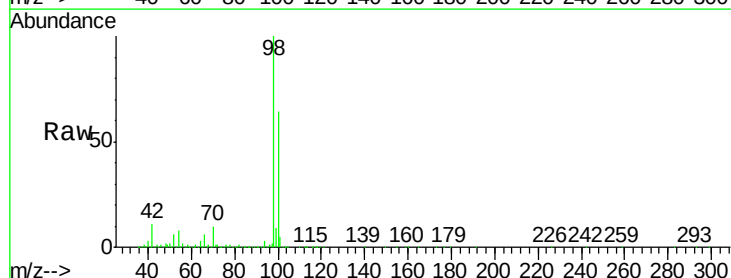
Acq: 07 Feb 2019 16:56

Tgt Ion: 98 Resp: 998095

Ion Ratio Lower Upper

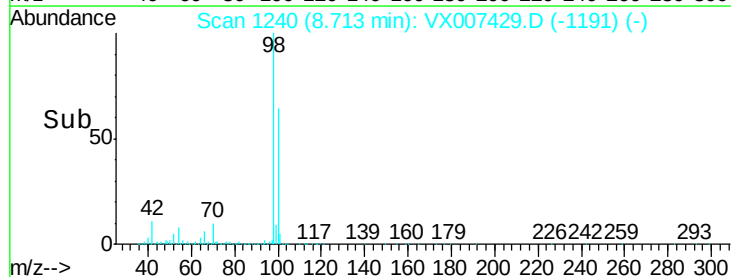
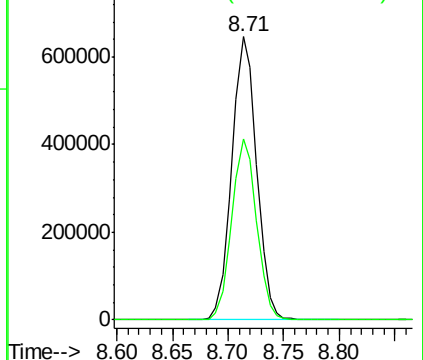
98 100

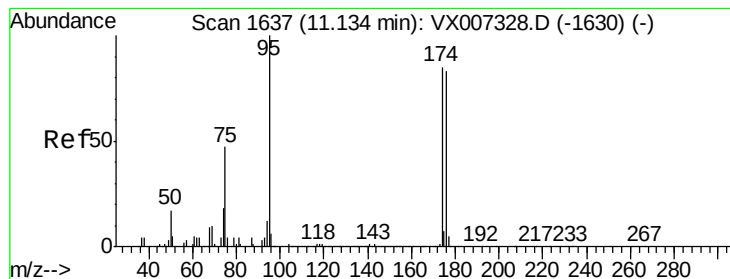
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.801 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

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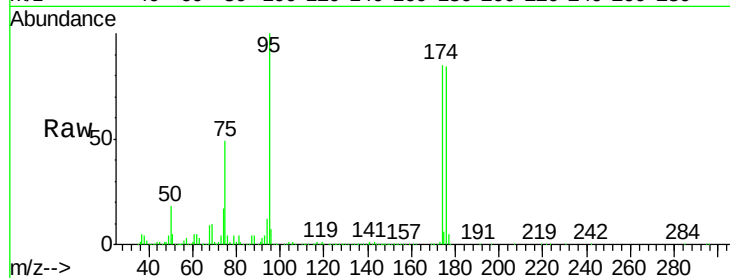
Tot Ion: 95 Resp: 353021

Ion Ratio Lower Upper

95 100

174 93.3 0.0 189.2

176 91.0 0.0 186.2

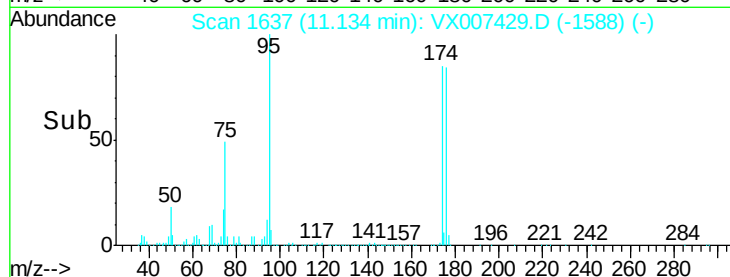


Abundance Ion 94.90 (94.60 to 95.60): VX007328.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007328.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007328.D (-1630) (-)

Time-->



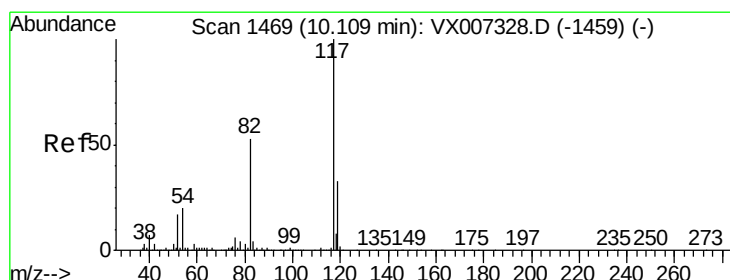
Abundance

Ion 94.90 (94.60 to 95.60): VX007429.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007429.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007429.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

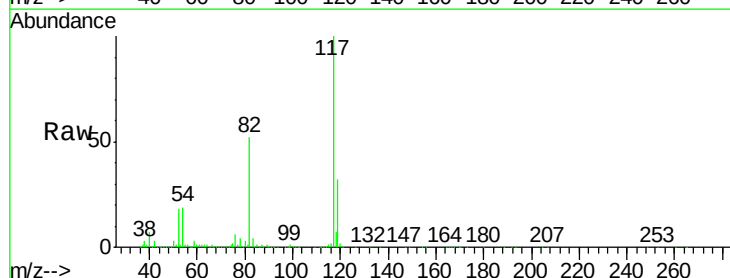
Tgt Ion: 117 Resp: 790551

Ion Ratio Lower Upper

117 100

82 52.4 42.1 63.1

119 32.3 26.5 39.7

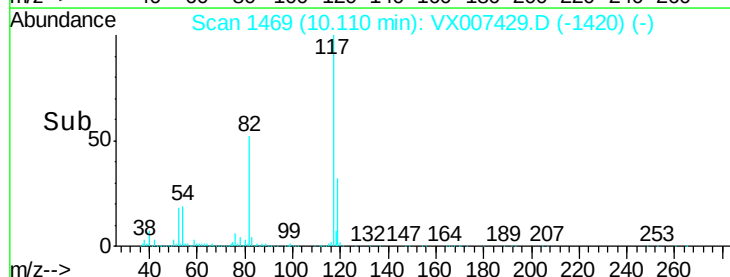


Abundance Ion 116.90 (116.60 to 117.60): VX007328.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007328.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007328.D (-1459) (-)

Time-->



Abundance

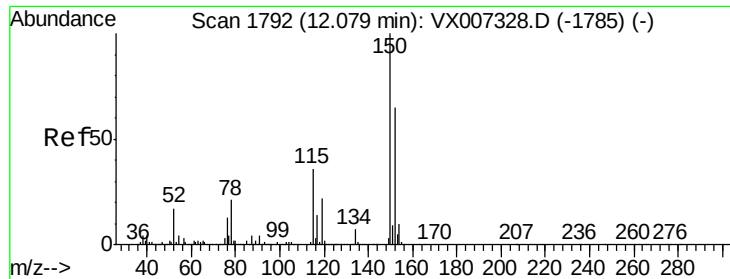
Ion 116.90 (116.60 to 117.60): VX007429.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007429.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007429.D (-1420) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

Instrument :

MSVOA\_X

ClientSampleId :

RBR-200052

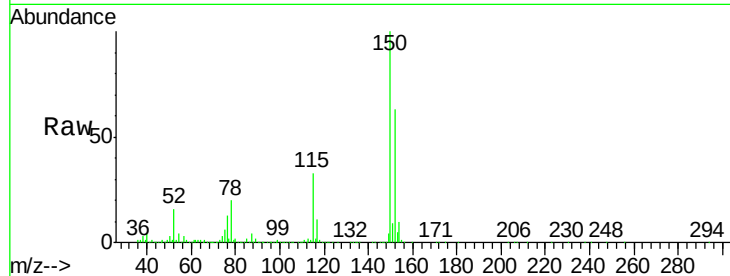
Tot Ion:152 Resp: 383595

Ion Ratio Lower Upper

152 100

115 55.2 38.0 114.0

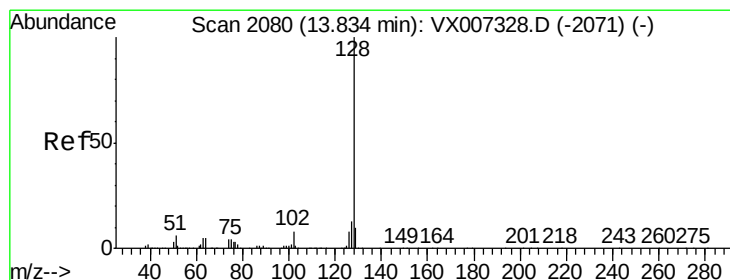
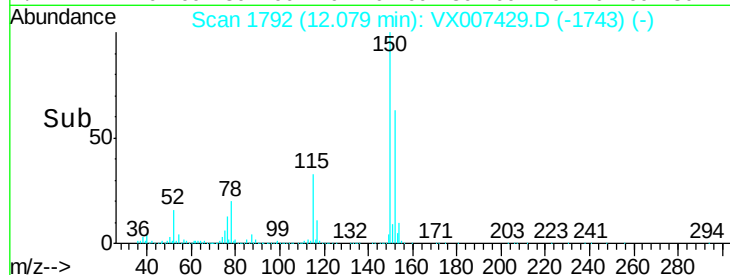
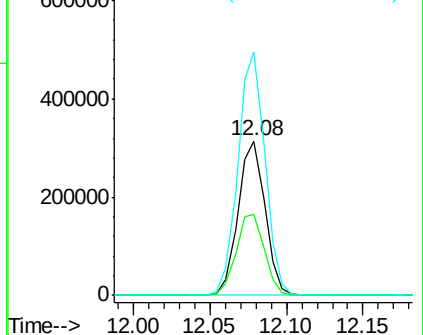
150 158.3 0.0 346.4



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



#95

Naphthalene

Concen: 11.134 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007429.D

Acq: 07 Feb 2019 16:56

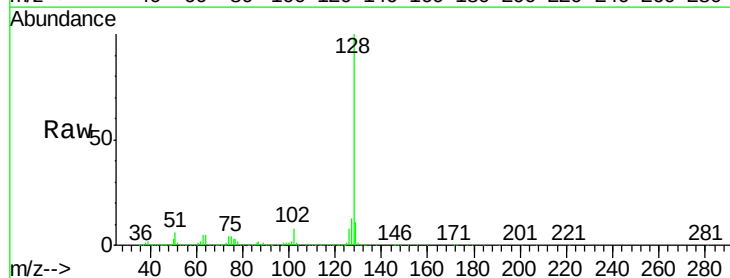
Tgt Ion:128 Resp: 288031

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

