

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\  
 Data File : VX005646.D  
 Acq On : 27 Oct 2018 10:27  
 Operator : JC/MD  
 Sample : J5204-12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-102518-B

Quant Time: Oct 29 02:26:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 25 02:52:45 2018  
 Response via : Initial Calibration

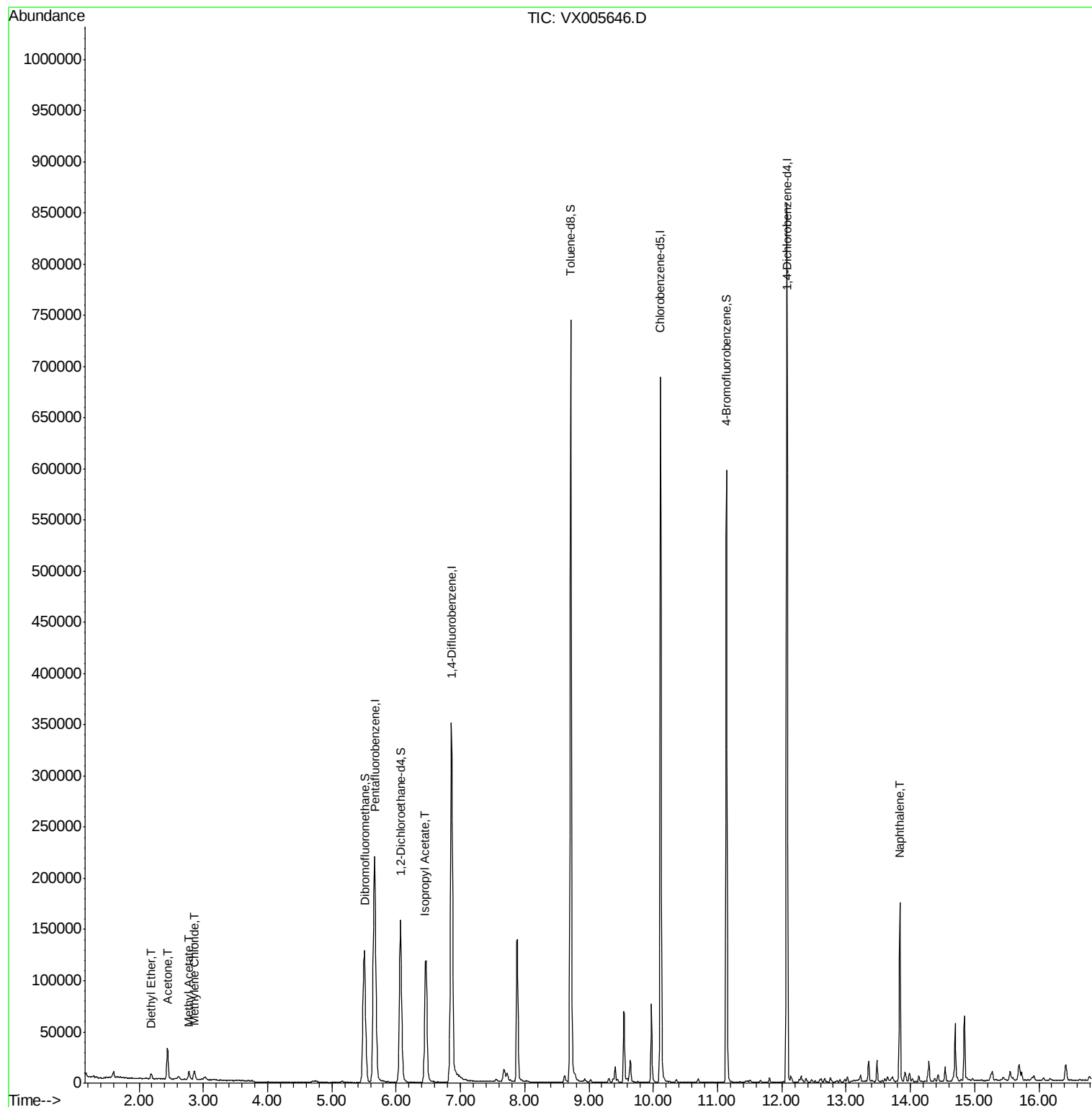
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 230383   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 348995   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 329088   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 175189   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 145832   | 51.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.72% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 110618   | 46.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.62%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 426060   | 50.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.36% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 138841   | 43.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.60%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 2.19  | 74   | 1716     | 1.087  | ug/l    | 92       |
| 16) Acetone                 | 2.44  | 43   | 30755    | 20.696 | ug/l    | 97       |
| 18) Methyl Acetate          | 2.78  | 43   | 9012     | 1.023  | ug/l    | 97       |
| 20) Methylene Chloride      | 2.86  | 84   | 3614     | 1.452  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.45  | 43   | 173797   | 26.835 | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 105781   | 8.841  | ug/l    | 100      |

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

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Instrument :  
MSVOA\_X  
ClientSampled :  
SU-02-102518-B

Quant Time: Oct 29 02:26:19 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 25 02:52:45 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005646.D

Acq: 27 Oct 2018 10:27

Instrument :

MSVOA\_X

ClientSampleId :

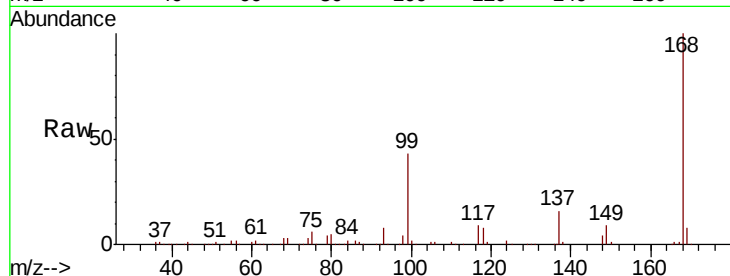
SU-02-102518-B

Tot Ion:168 Resp: 230383

Ion Ratio Lower Upper

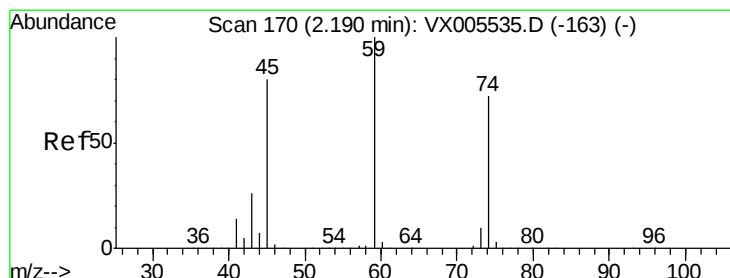
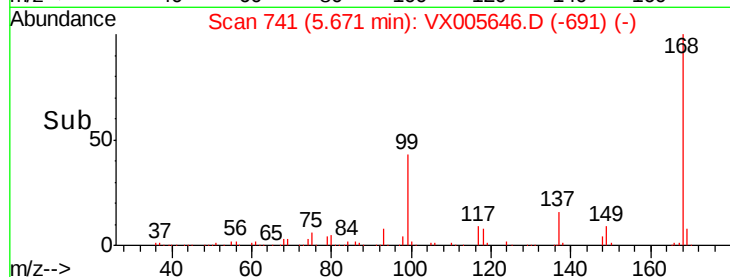
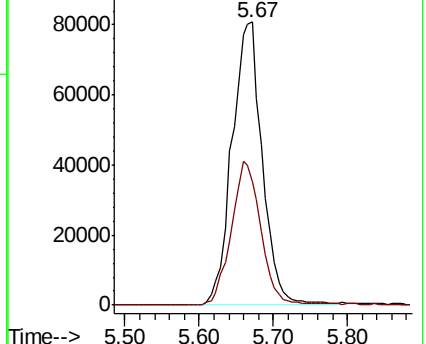
168 100

99 43.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.087 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005646.D

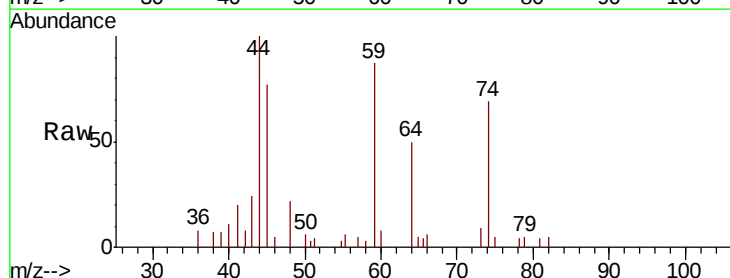
Acq: 27 Oct 2018 10:27

Tgt Ion: 74 Resp: 1716

Ion Ratio Lower Upper

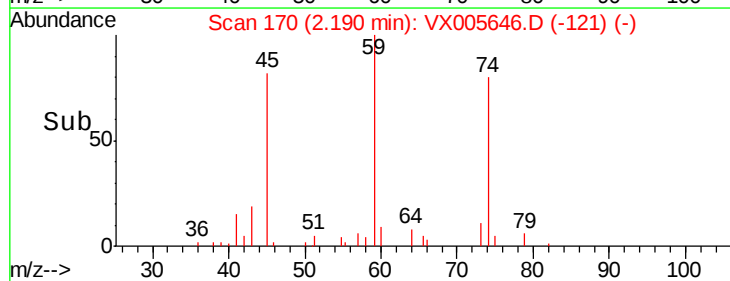
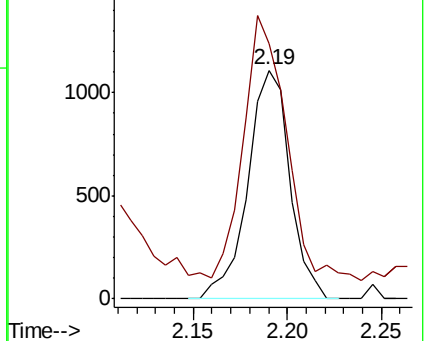
74 100

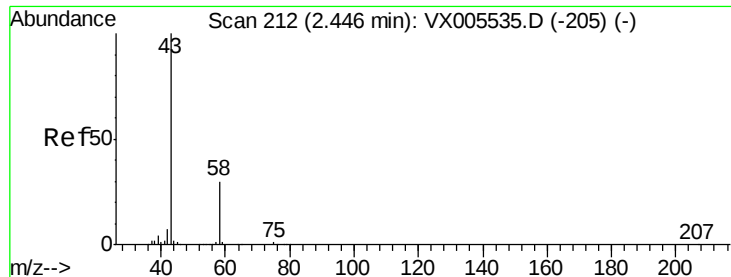
45 117.1 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#16

Acetone

Concen: 20.696 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005646.D

Acq: 27 Oct 2018 10:27

Instrument :

MSVOA\_X

ClientSampleId :

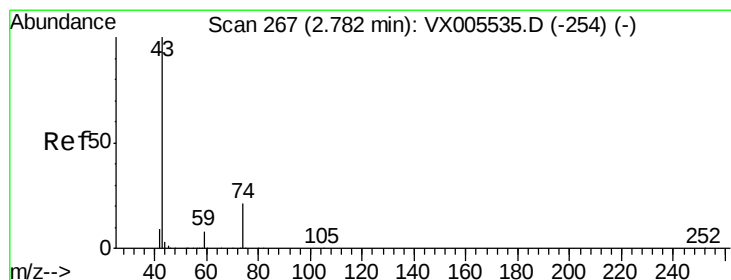
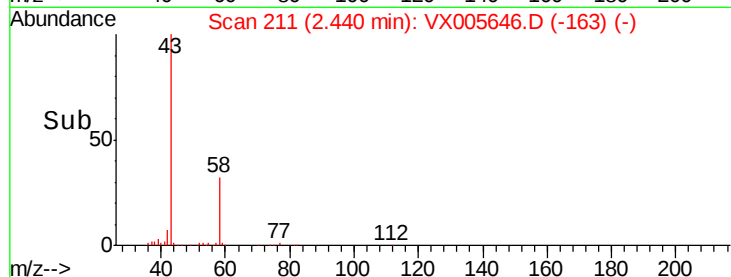
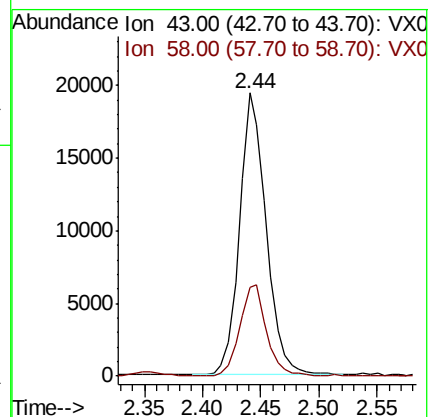
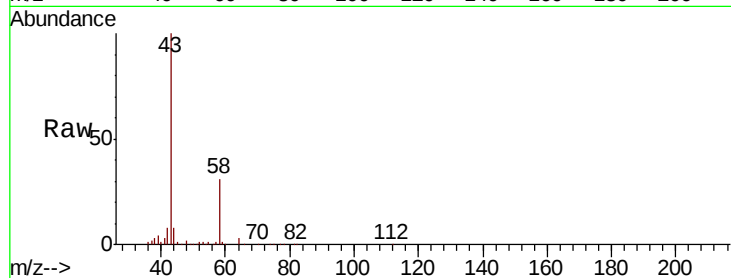
SU-02-102518-B

Tot Ion: 43 Resp: 30755

Ion Ratio Lower Upper

43 100

58 31.6 23.8 35.6



#18

Methyl Acetate

Concen: 1.023 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005646.D

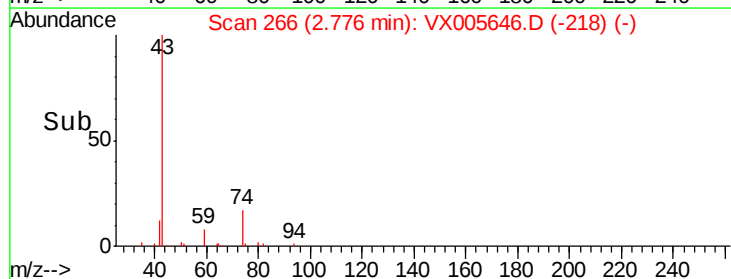
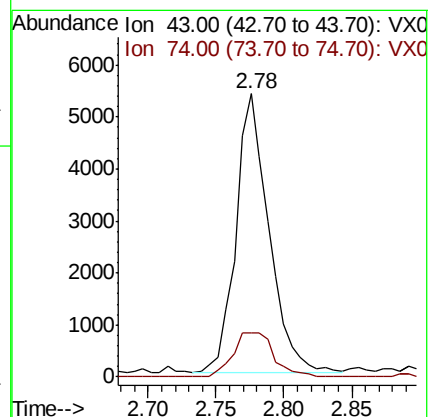
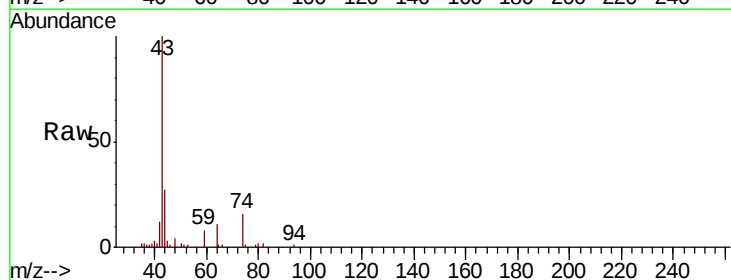
Acq: 27 Oct 2018 10:27

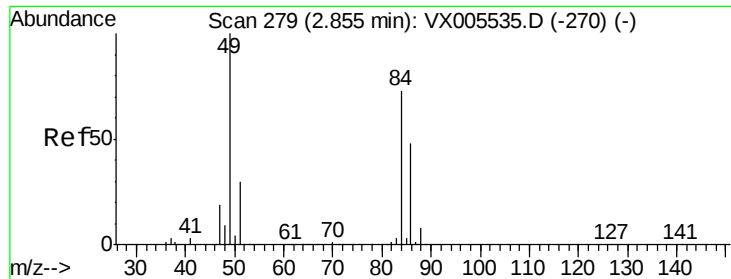
Tgt Ion: 43 Resp: 9012

Ion Ratio Lower Upper

43 100

74 19.8 16.8 25.2

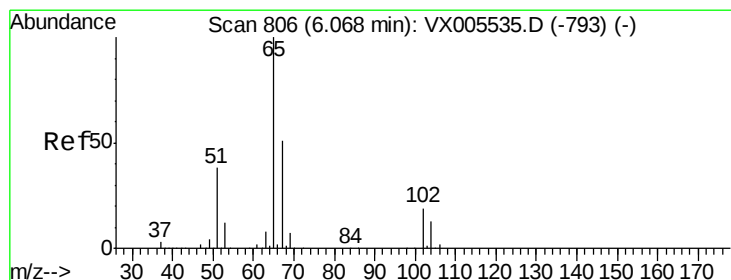
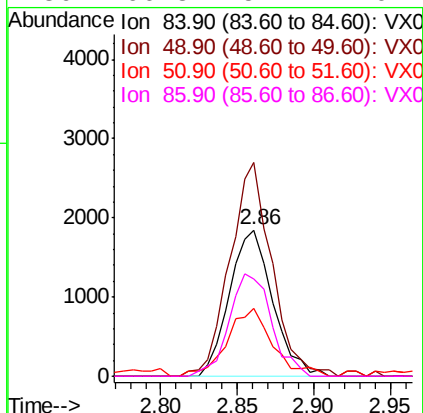
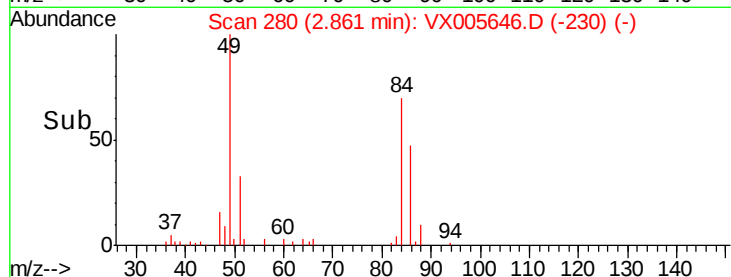
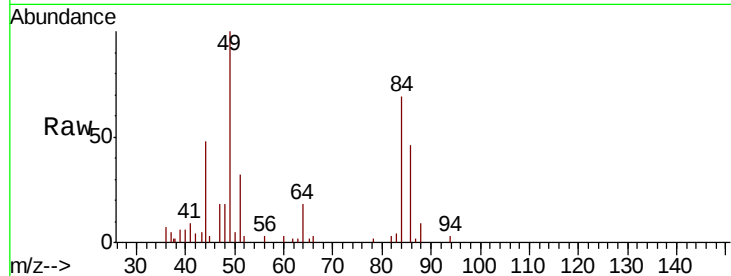




#20  
Methvlene Chloride  
Concen: 1.452 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005646.D  
Acq: 27 Oct 2018 10:27

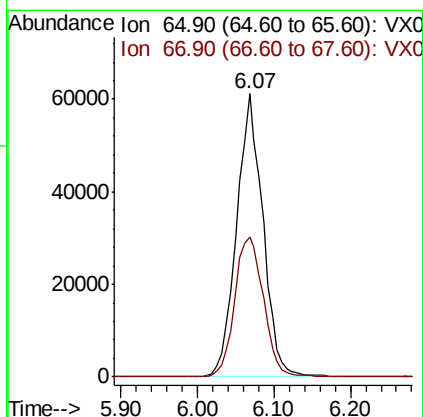
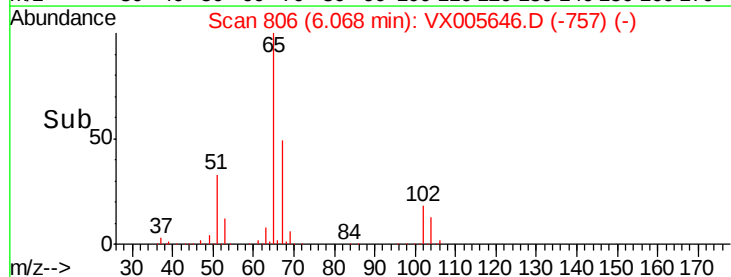
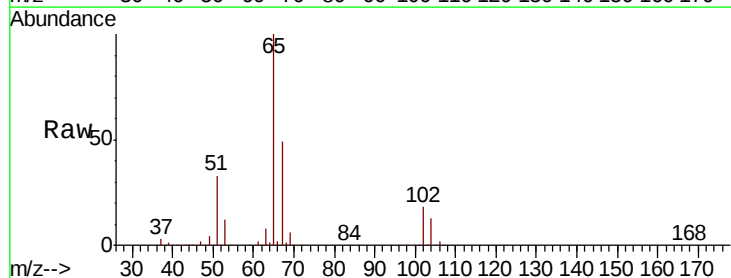
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-102518-B

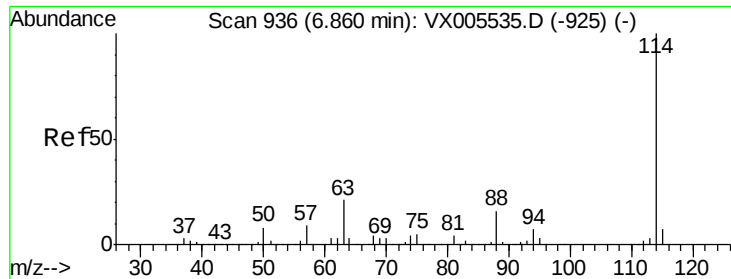
Tot Ion: 84 Resp: 3614  
Ion Ratio Lower Upper  
84 100  
49 145.9 109.5 164.3  
51 46.7 33.3 49.9  
86 66.8 52.7 79.1



#33  
1,2-Dichloroethane-d4  
Concen: 51.856 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: VX005646.D  
Acq: 27 Oct 2018 10:27

Tgt Ion: 65 Resp: 145832  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 105.0

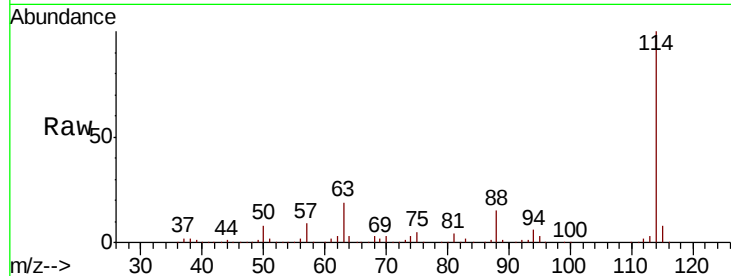




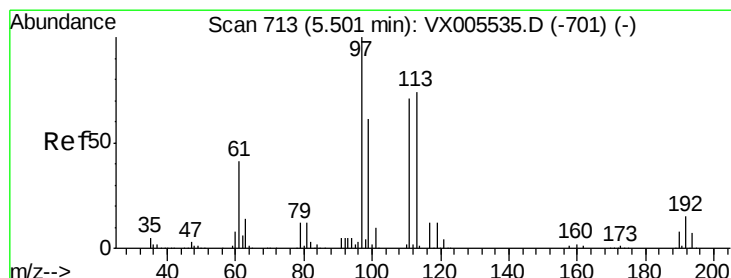
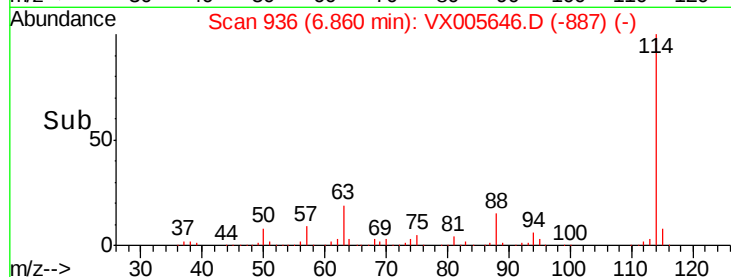
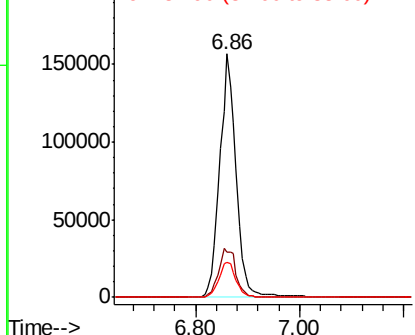
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: VX005646.D  
Acq: 27 Oct 2018 10:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-02-102518-B

Tot Ion:114 Resp: 348995  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 42.8  
88 14.6 0.0 31.2

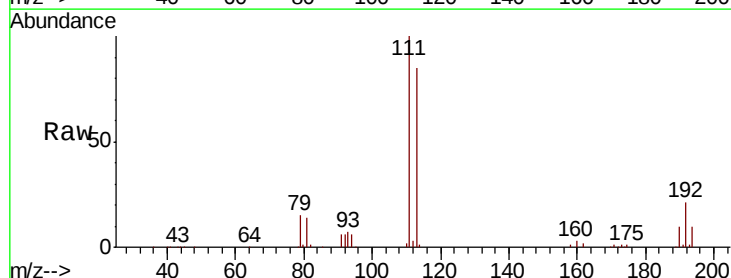


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

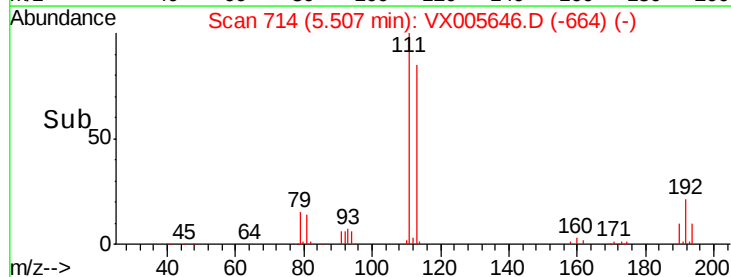
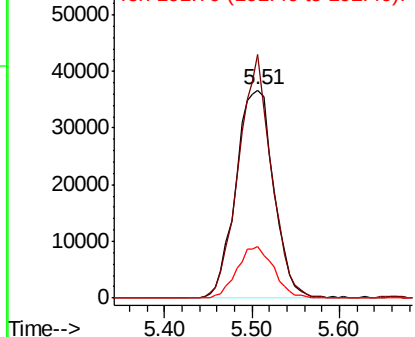


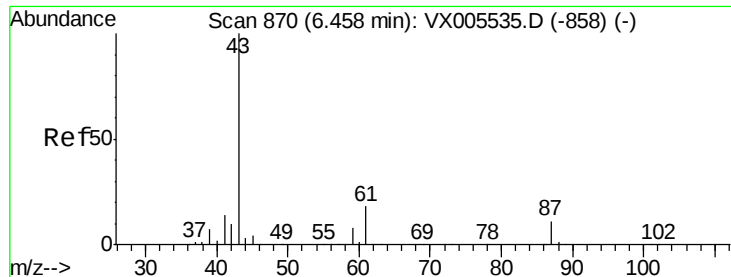
#35  
Dibromofluoromethane  
Concen: 46.811 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. 0.01 min  
Lab File: VX005646.D  
Acq: 27 Oct 2018 10:27

Tgt Ion:113 Resp: 110618  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.3 123.5  
192 24.0 17.9 26.9



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



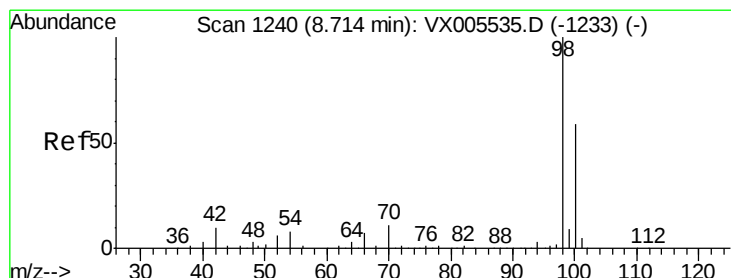
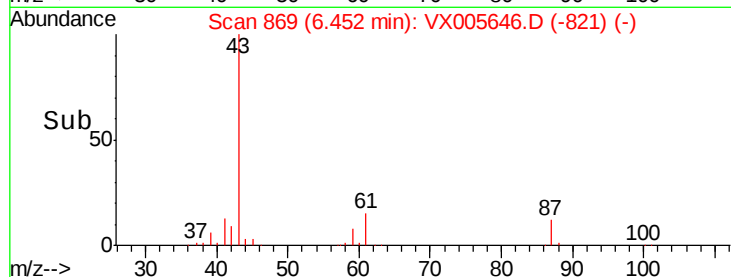
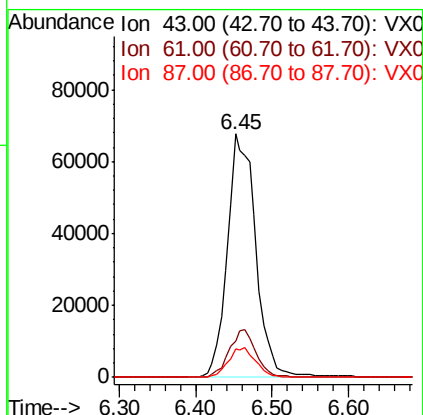
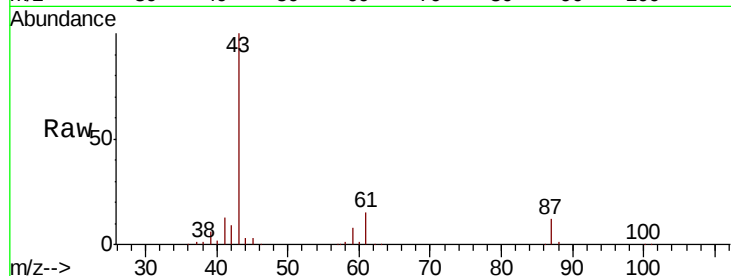


#43

Isopropyl Acetate  
 Concen: 26.835 ug/l  
 RT: 6.45 min Scan# 869  
 Delta R.T. -0.01 min  
 Lab File: VX005646.D  
 Acq: 27 Oct 2018 10:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-02-102518-B

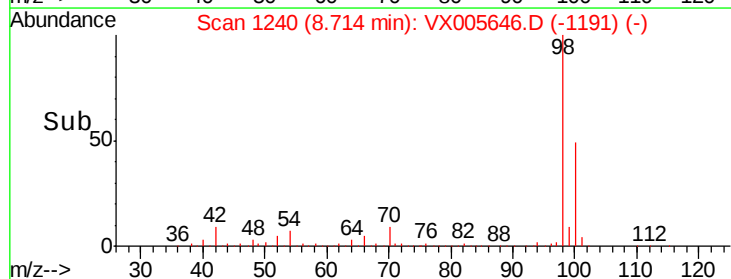
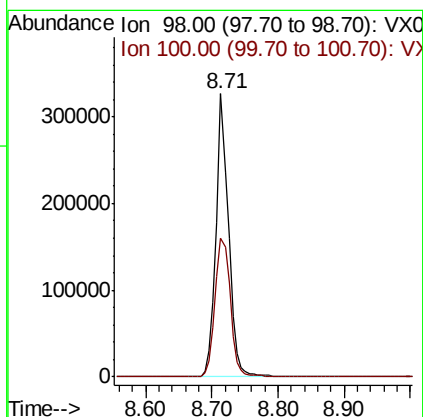
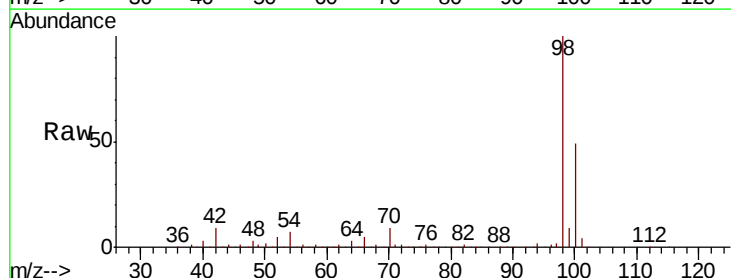
Tot Ion: 43 Resp: 173797  
 Ion Ratio Lower Upper  
 43 100  
 61 18.7 14.6 22.0  
 87 11.9 9.6 14.4

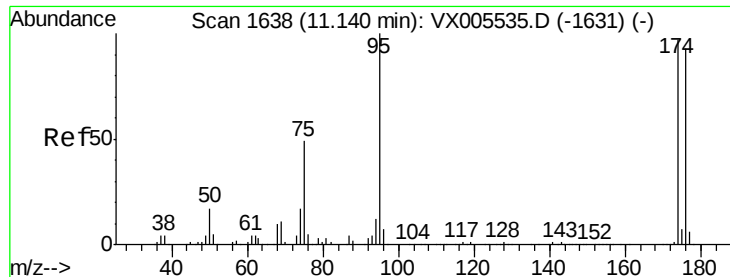


#50

Toluene-d8  
 Concen: 50.177 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX005646.D  
 Acq: 27 Oct 2018 10:27

Tgt Ion: 98 Resp: 426060  
 Ion Ratio Lower Upper  
 98 100  
 100 60.2 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 43.298 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005646.D

Acq: 27 Oct 2018 10:27

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-102518-B

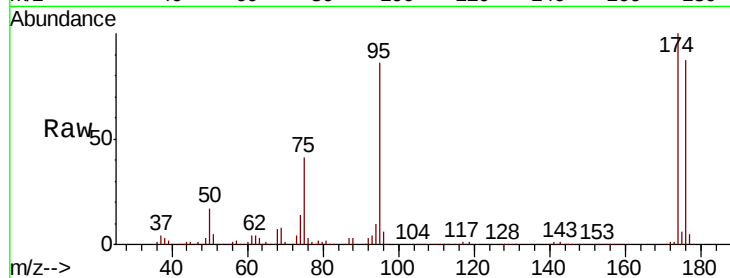
Tot Ion: 95 Resp: 138841

Ion Ratio Lower Upper

95 100

174 103.0 0.0 184.4

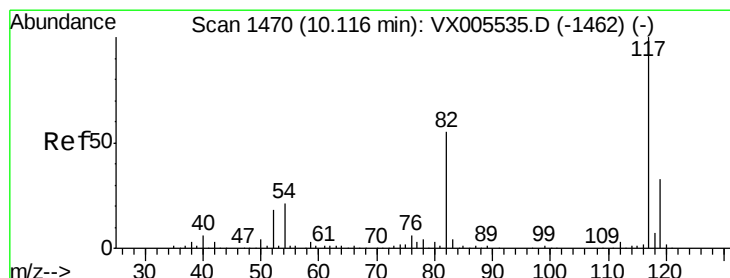
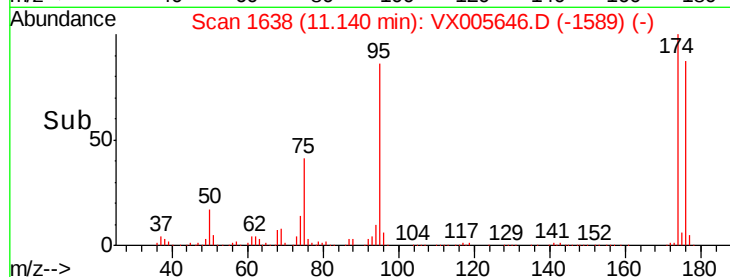
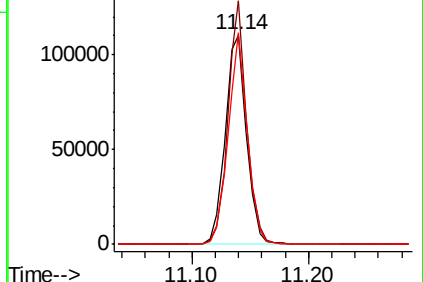
176 92.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005535.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005535.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005535.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX005646.D

Acq: 27 Oct 2018 10:27

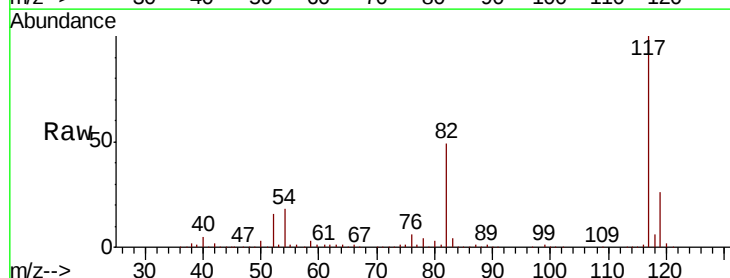
Tgt Ion: 117 Resp: 329088

Ion Ratio Lower Upper

117 100

82 48.8 44.1 66.1

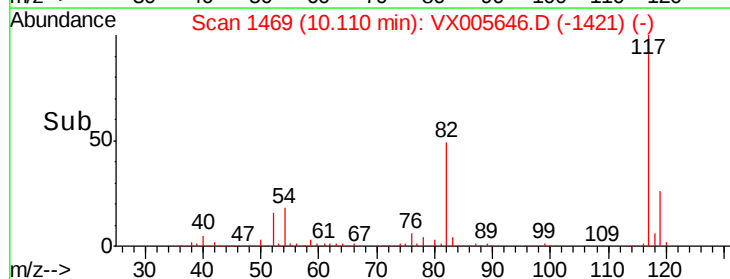
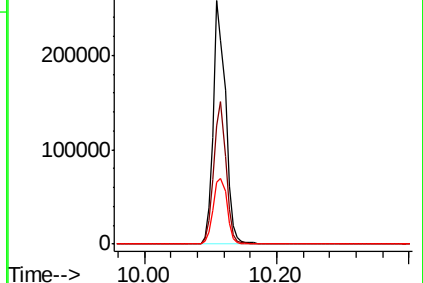
119 25.7 26.2 39.2#

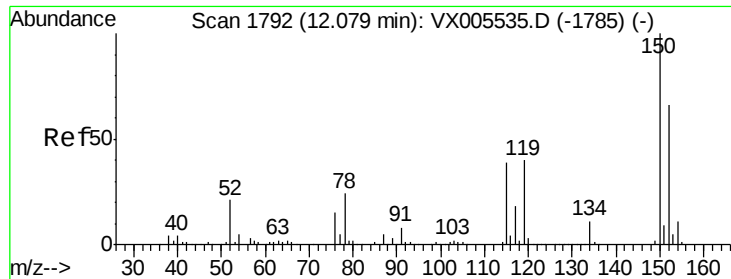


Abundance Ion 116.90 (116.60 to 117.60): VX005535.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005535.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005535.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005646.D

Acq: 27 Oct 2018 10:27

Instrument :

MSVOA\_X

ClientSampleId :

SU-02-102518-B

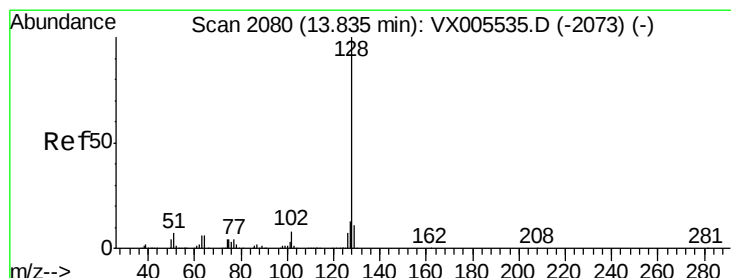
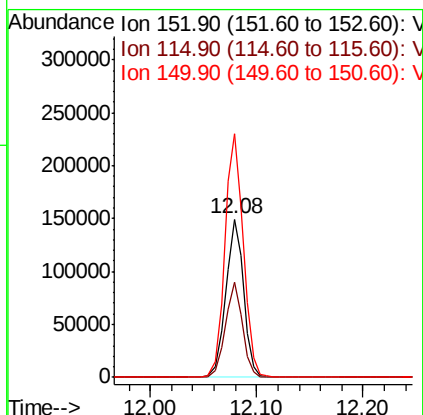
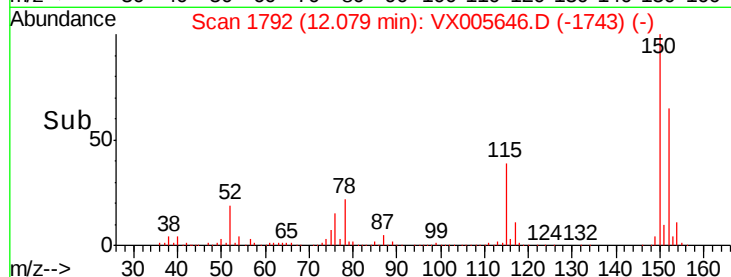
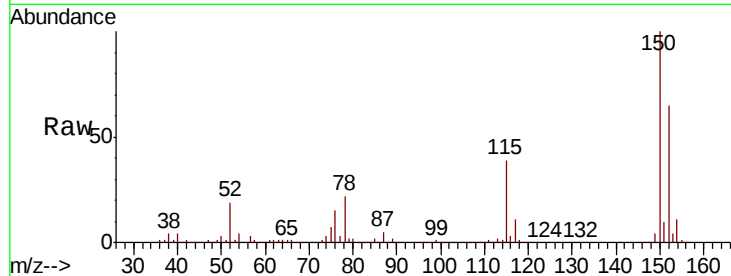
Tot Ion:152 Resp: 175189

Ion Ratio Lower Upper

152 100

115 57.7 39.4 118.1

150 158.4 0.0 346.4



#95

Naphthalene

Concen: 8.841 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005646.D

Acq: 27 Oct 2018 10:27

Tgt Ion:128 Resp: 105781

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.8 8.7 13.1

