

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
 Data File : VX005007.D  
 Acq On : 04 Oct 2018 09:08  
 Operator : JC/MD  
 Sample : J5198-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-100218-A

Quant Time: Oct 04 11:50:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

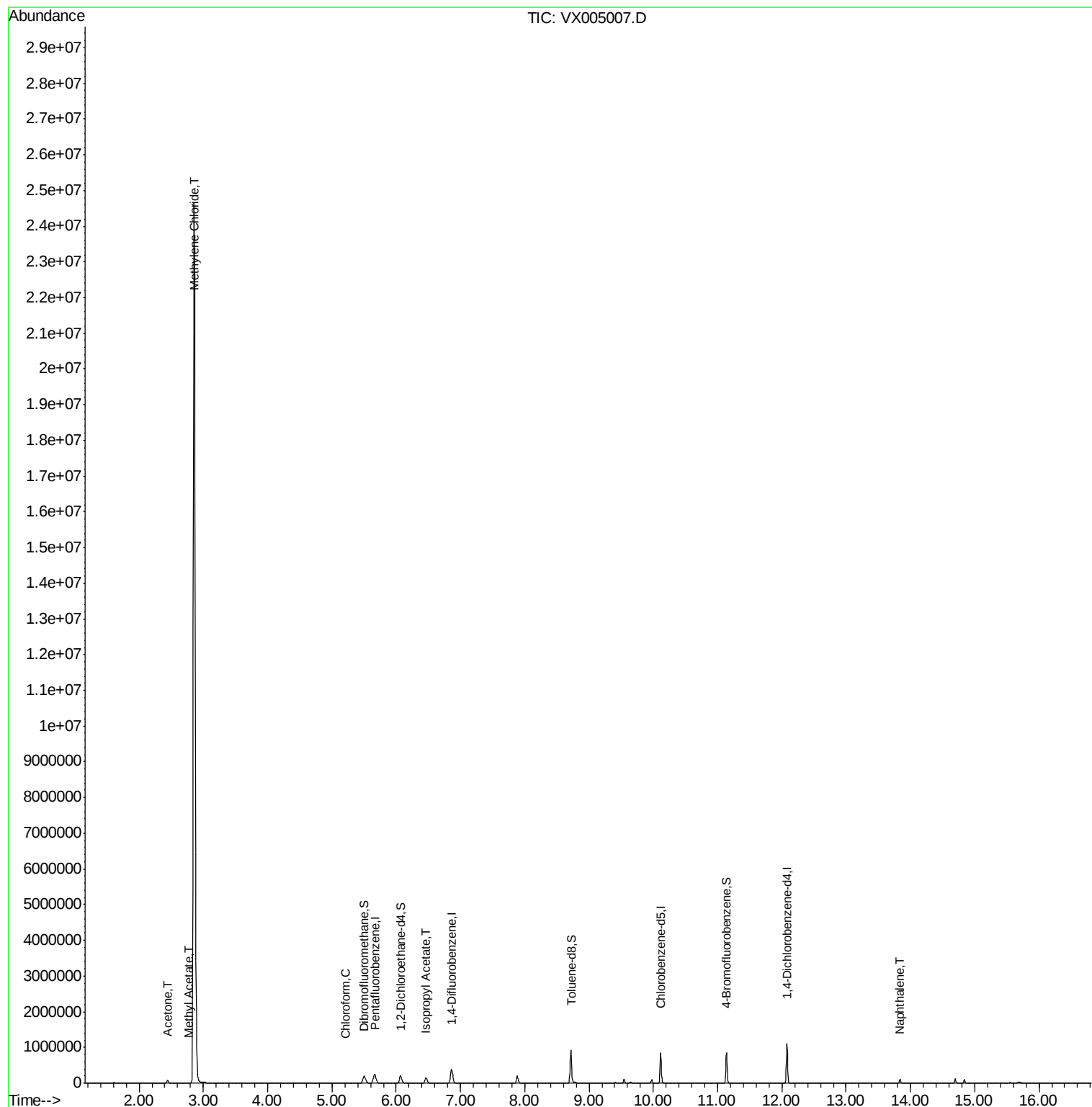
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|----------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 275798   | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 432514   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 415659   | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 232765   | 50.00    | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |          |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 198624   | 50.41    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 100.82% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 172973   | 47.19    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 94.38%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 604838   | 49.63    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 99.26%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 222955   | 50.78    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 101.56% |          |
| Target Compounds            |       |      |          |          |         |          |
| 16) Acetone                 | 2.44  | 43   | 83709    | 36.393   | ug/l    | 94       |
| 18) Methyl Acetate          | 2.78  | 43   | 8881     | 1.524    | ug/l    | 96       |
| 20) Methylene Chloride      | 2.85  | 84   | 11303168 | 3436.703 | ug/l    | 87       |
| 30) Chloroform              | 5.21  | 83   | 2444     | 0.395    | ug/l    | 99       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 203956   | 21.286   | ug/l    | 96       |
| 95) Naphthalene             | 13.83 | 128  | 70641    | 4.316    | ug/l    | 99       |

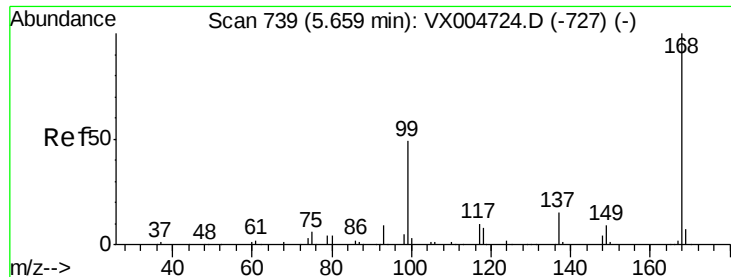
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
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CL-01-100218-A

Quant Time: Oct 04 11:50:18 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
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: VX005007.D

Acq: 04 Oct 2018 09:08

Instrument :

MSVOA\_X

ClientSampleId :

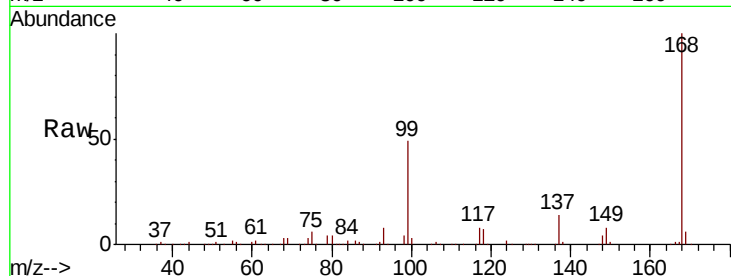
CL-01-100218-A

Tot Ion:168 Resp: 275798

Ion Ratio Lower Upper

168 100

99 48.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

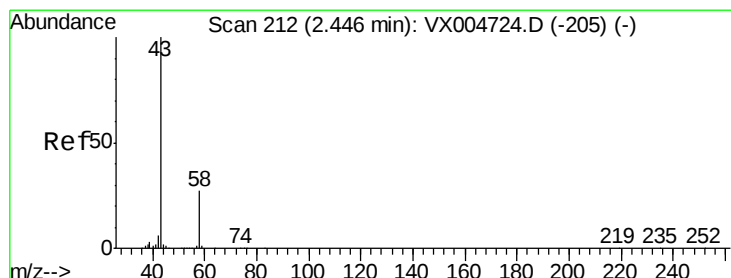
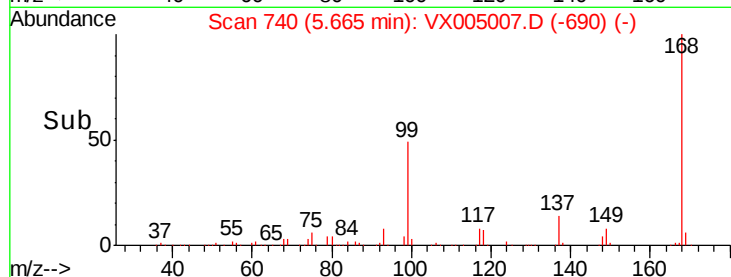
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 36.393 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005007.D

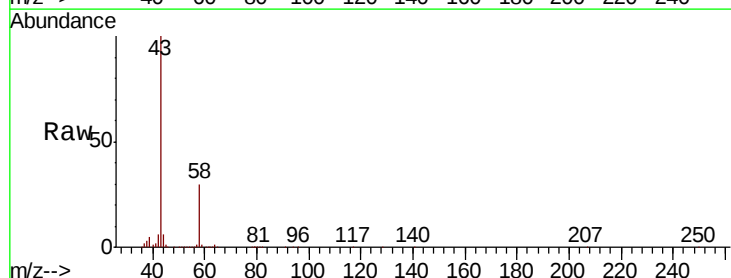
Acq: 04 Oct 2018 09:08

Tgt Ion: 43 Resp: 83709

Ion Ratio Lower Upper

43 100

58 30.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

50000

40000

30000

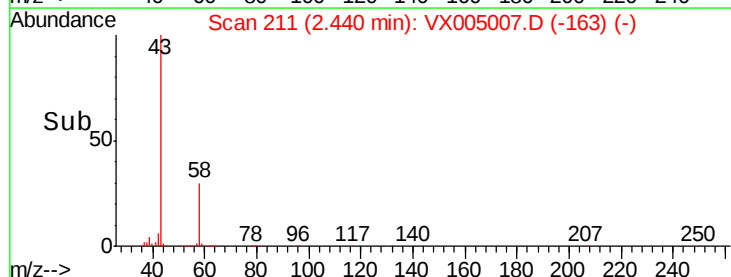
20000

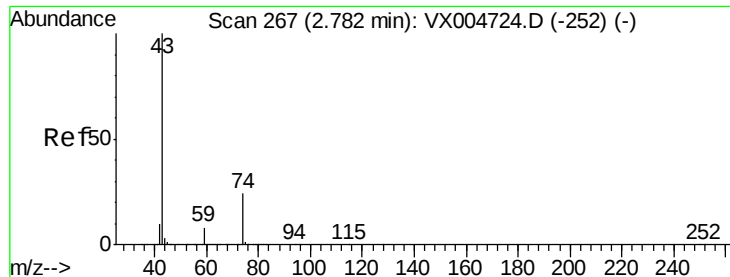
10000

0

Time-->

2.30 2.40 2.50

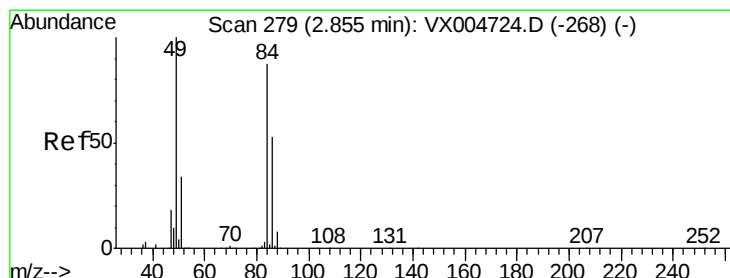
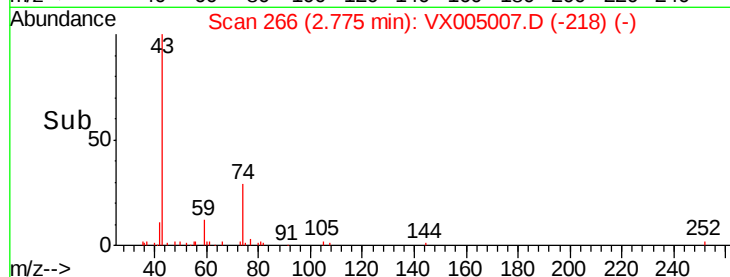
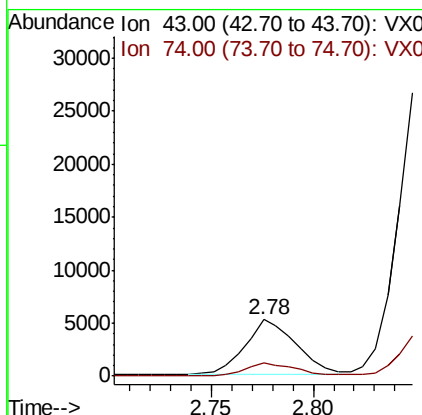
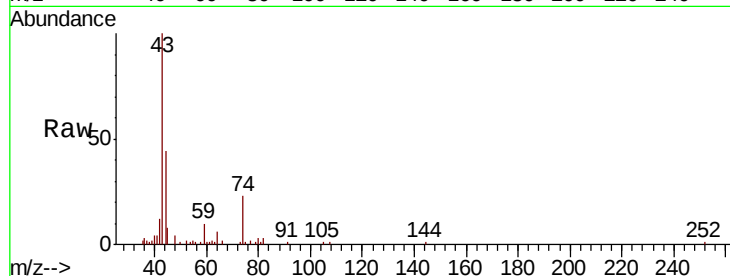




#18  
Methvl Acetate  
Concen: 1.524 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.01 min  
Lab File: VX005007.D  
Acq: 04 Oct 2018 09:08

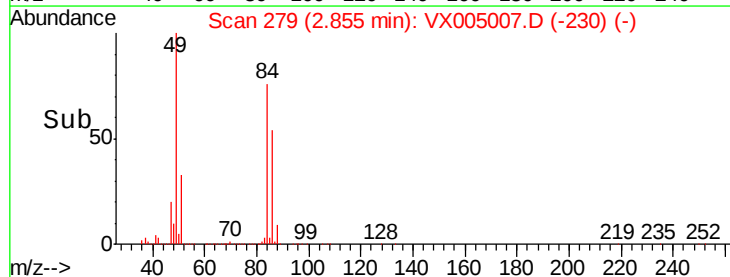
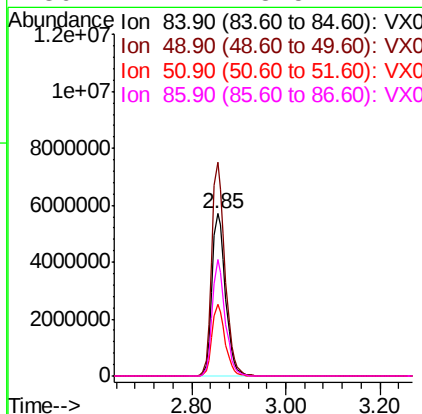
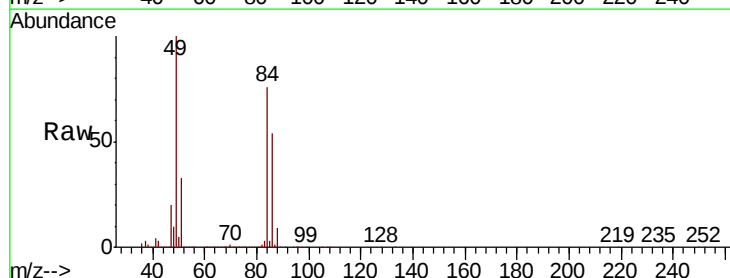
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-01-100218-A

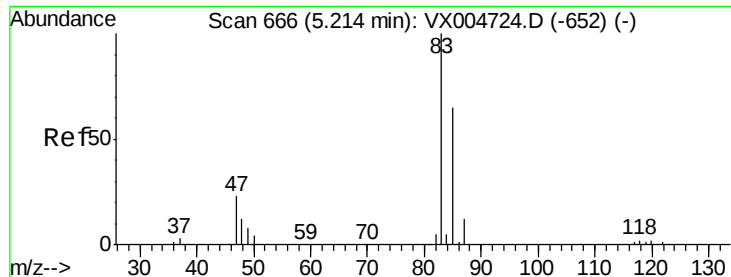
Tot Ion: 43 Resp: 8881  
Ion Ratio Lower Upper  
43 100  
74 24.3 17.8 26.8



#20  
Methylene Chloride  
Concen: 3436.703 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX005007.D  
Acq: 04 Oct 2018 09:08

Tgt Ion: 84 Resp:11303168  
Ion Ratio Lower Upper  
84 100  
49 131.7 92.3 138.5  
51 43.9 31.8 47.6  
86 71.7 48.5 72.7

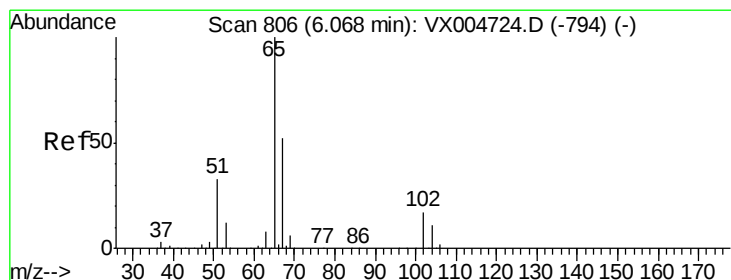
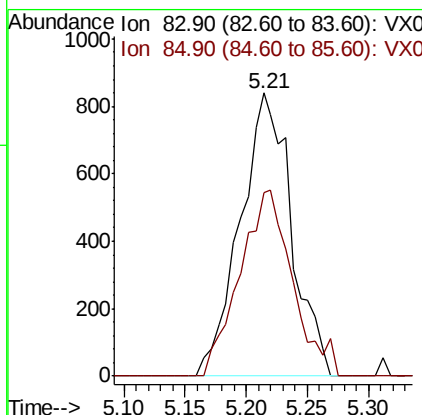
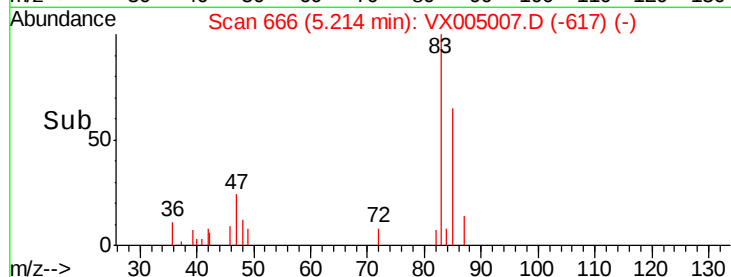
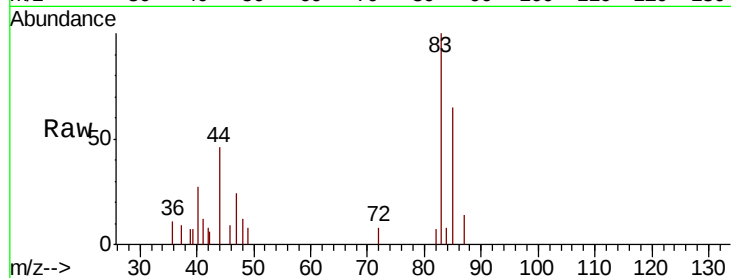




#30  
Chloroform  
Concen: 0.395 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX005007.D  
Acq: 04 Oct 2018 09:08

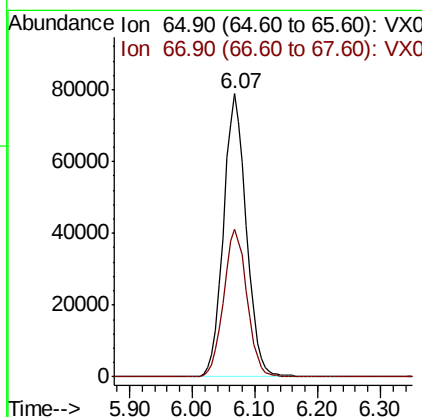
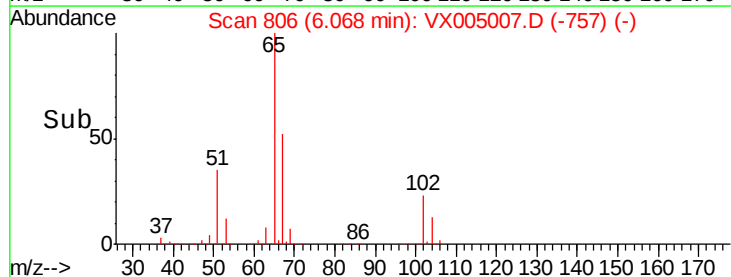
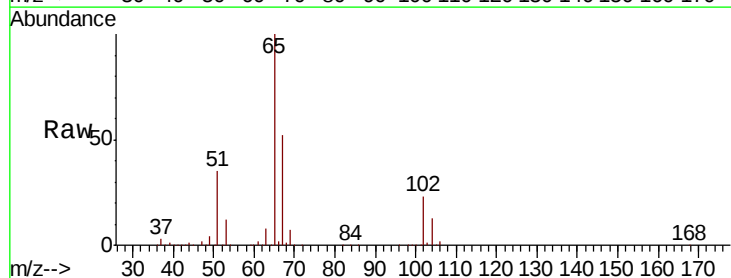
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-01-100218-A

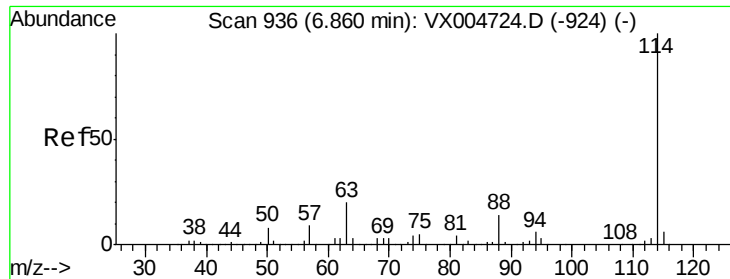
Tot Ion: 83 Resp: 2444  
Ion Ratio Lower Upper  
83 100  
85 64.7 52.4 78.6



#33  
1,2-Dichloroethane-d4  
Concen: 50.415 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: VX005007.D  
Acq: 04 Oct 2018 09:08

Tgt Ion: 65 Resp: 198624  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 107.4

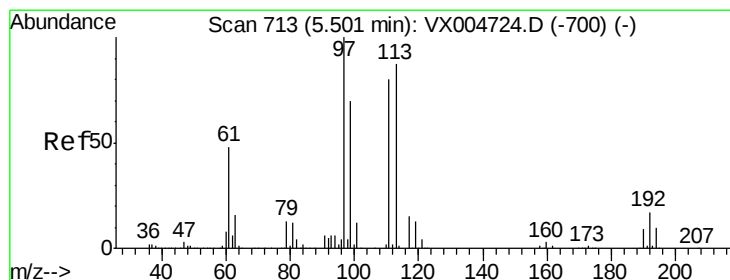
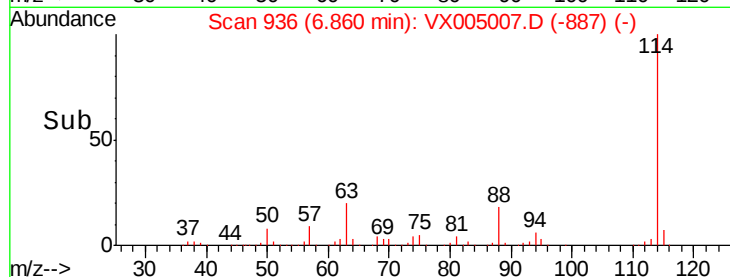
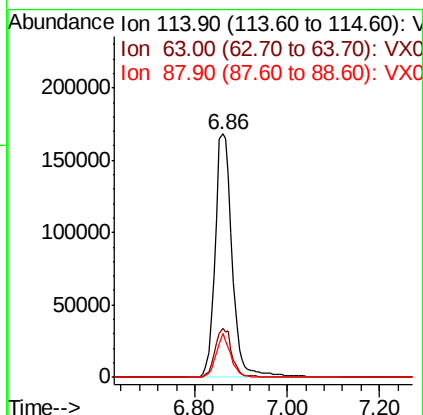
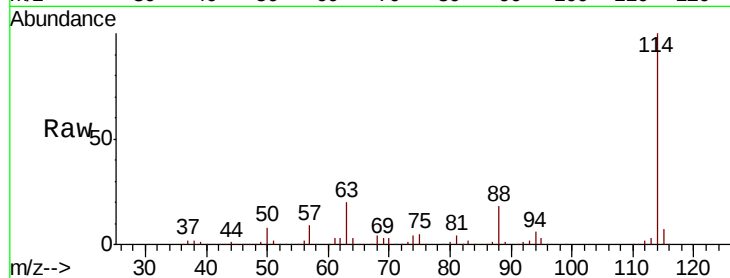




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005007.D  
 Acq: 04 Oct 2018 09:08

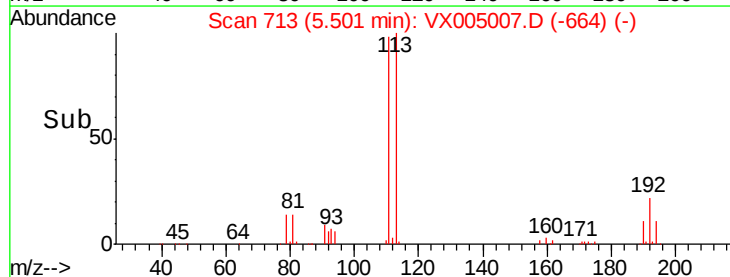
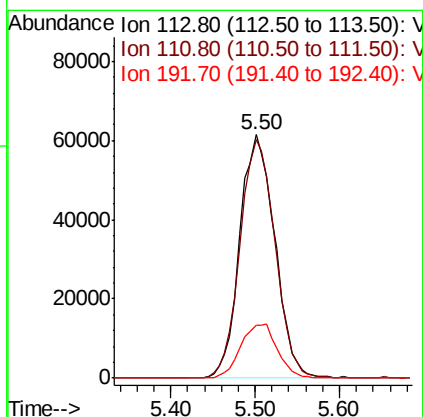
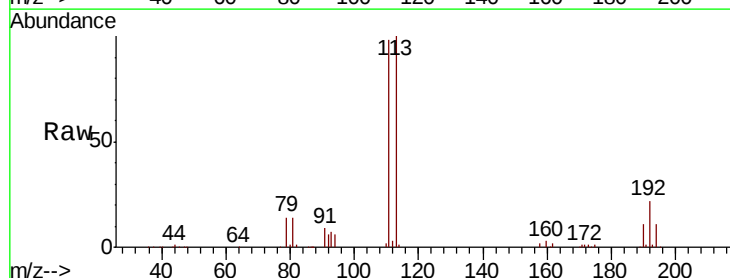
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-100218-A

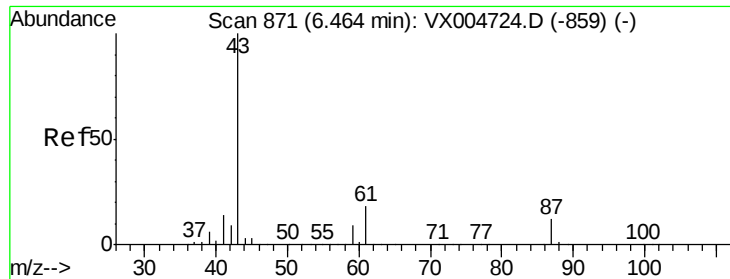
Tot Ion:114 Resp: 432514  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 39.8  
 88 18.1 0.0 27.0



#35  
 Dibromofluoromethane  
 Concen: 47.188 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX005007.D  
 Acq: 04 Oct 2018 09:08

Tgt Ion:113 Resp: 172973  
 Ion Ratio Lower Upper  
 113 100  
 111 98.3 77.0 115.4  
 192 23.2 17.0 25.6





#43

Isopropyl Acetate

Concen: 21.286 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005007.D

Acq: 04 Oct 2018 09:08

Instrument :

MSVOA\_X

ClientSampleId :

CL-01-100218-A

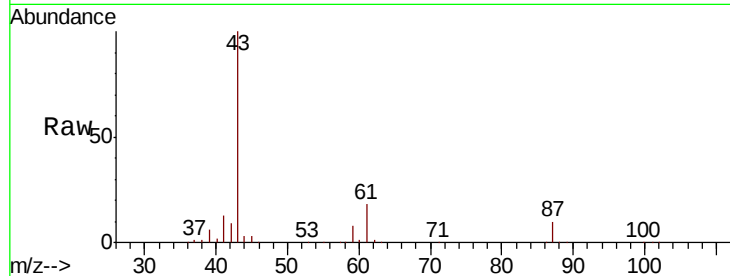
Tot Ion: 43 Resp: 203956

Ion Ratio Lower Upper

43 100

61 19.7 14.2 21.4

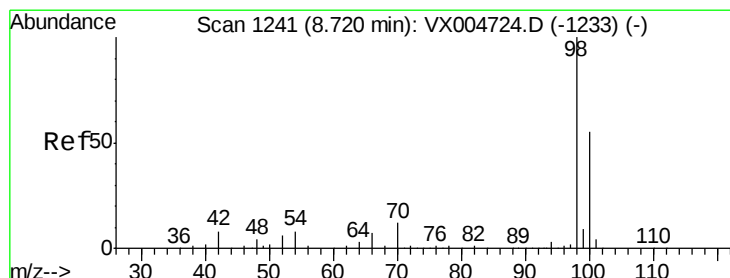
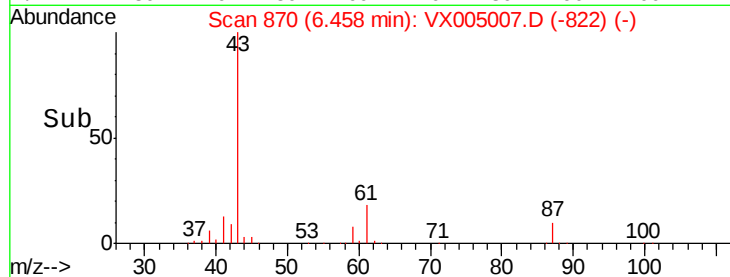
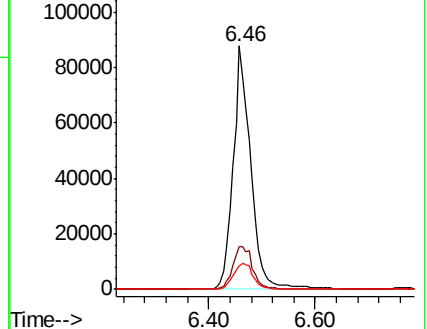
87 12.4 9.3 13.9



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: 49.633 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005007.D

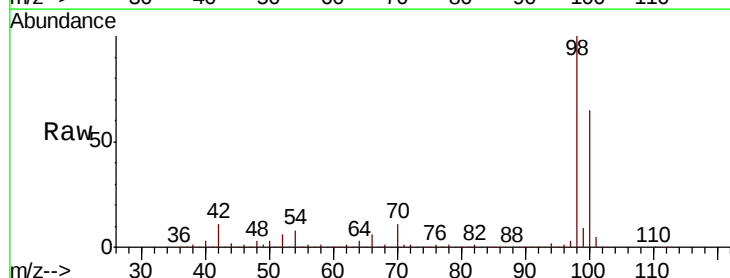
Acq: 04 Oct 2018 09:08

Tgt Ion: 98 Resp: 604838

Ion Ratio Lower Upper

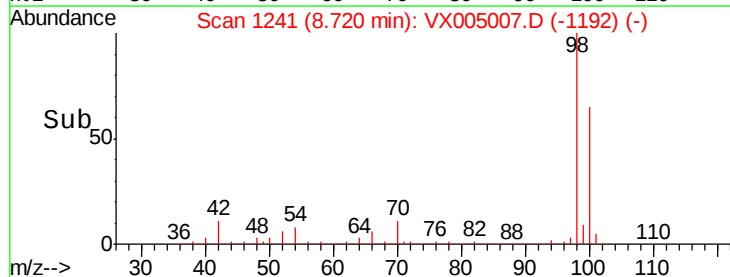
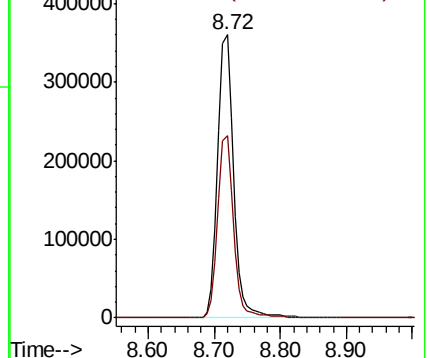
98 100

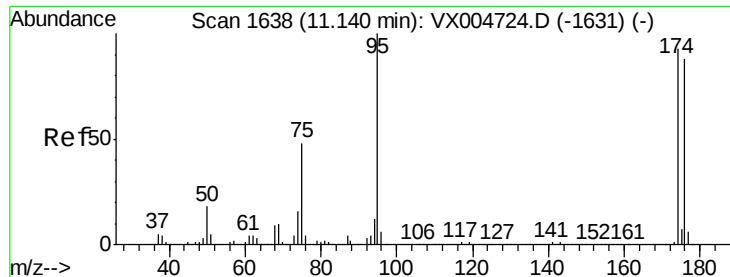
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

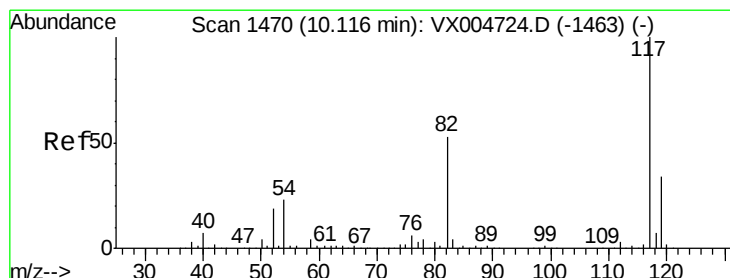
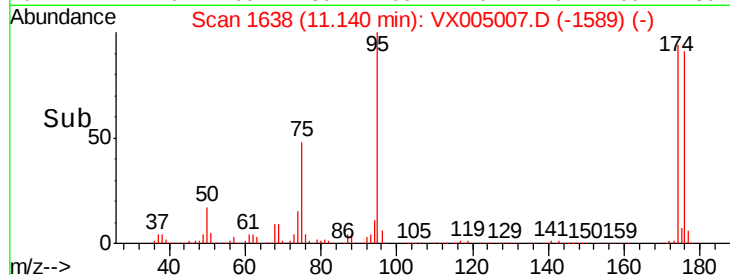
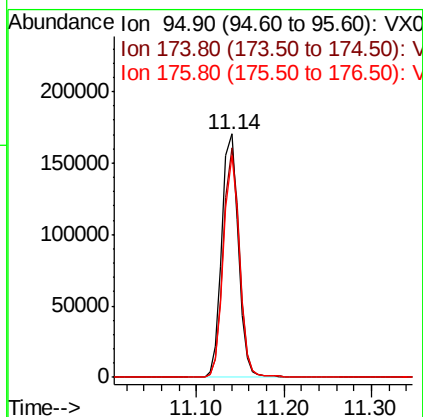
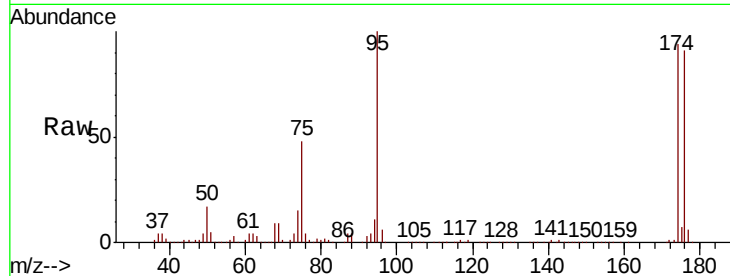




#62  
4-Bromofluorobenzene  
Concen: 50.785 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005007.D  
Acq: 04 Oct 2018 09:08

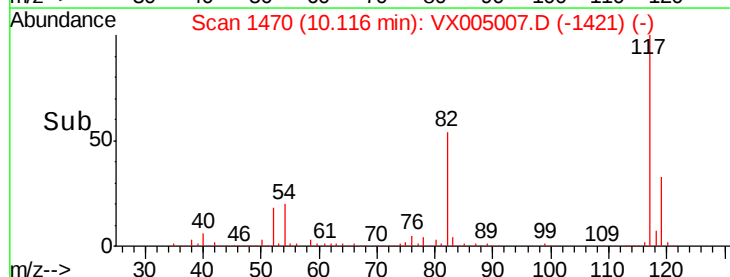
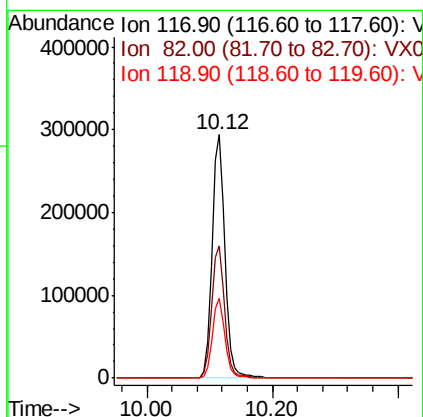
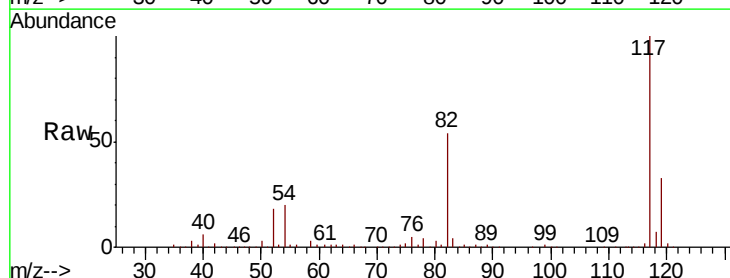
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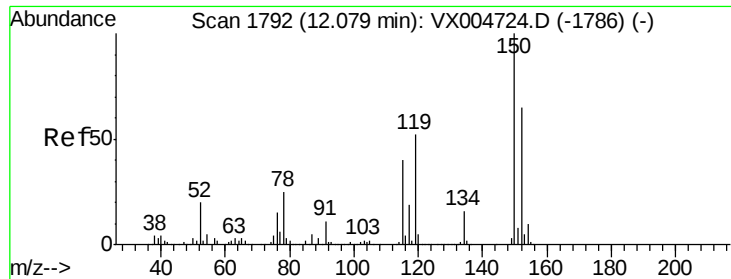
Tot Ion: 95 Resp: 222955  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 185.0  
176 88.3 0.0 180.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005007.D  
Acq: 04 Oct 2018 09:08

Tgt Ion: 117 Resp: 415659  
Ion Ratio Lower Upper  
117 100  
82 54.3 42.2 63.4  
119 32.9 27.4 41.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005007.D

Acq: 04 Oct 2018 09:08

Instrument :

MSVOA\_X

ClientSampleId :

CL-01-100218-A

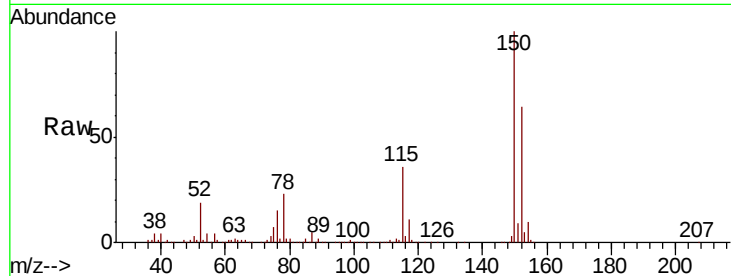
Tot Ion:152 Resp: 232765

Ion Ratio Lower Upper

152 100

115 55.1 40.2 120.6

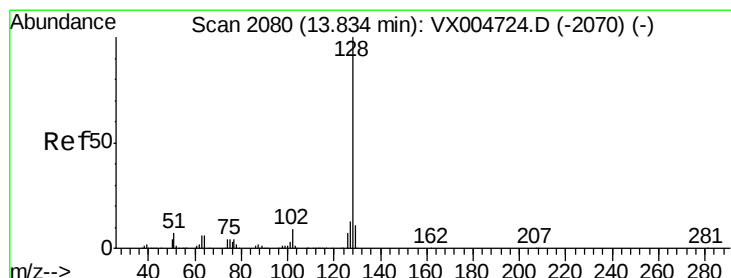
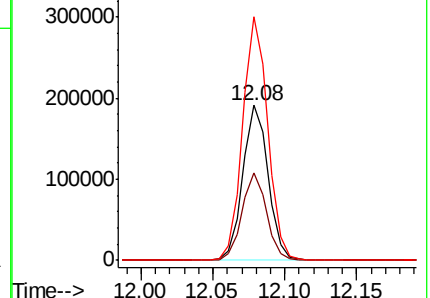
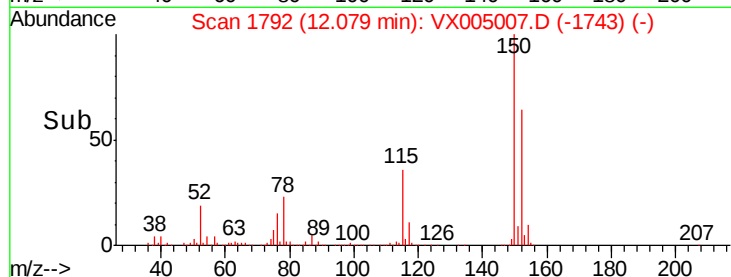
150 156.7 0.0 351.0



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: 4.316 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005007.D

Acq: 04 Oct 2018 09:08

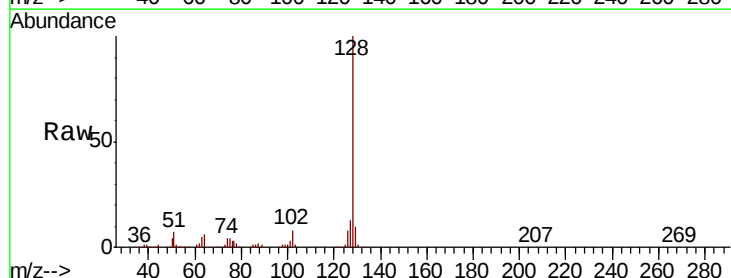
Tgt Ion:128 Resp: 70641

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.5 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

