

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\  
 Data File : VN061280.D  
 Acq On : 4 May 2020 16:03  
 Operator : JC/MD  
 Sample : L2457-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1342

Quant Time: May 05 04:59:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

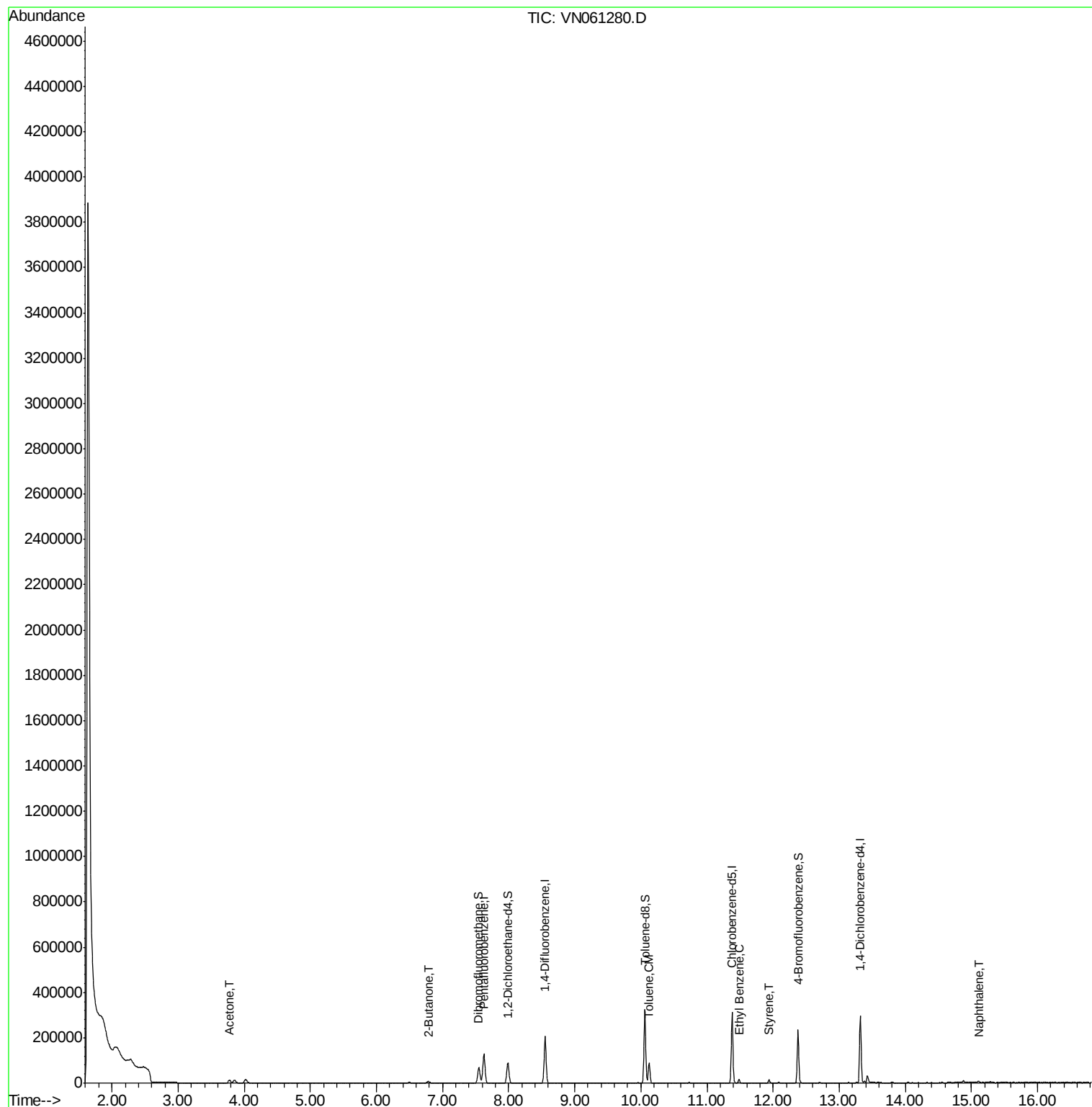
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63   | 168  | 96157    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55   | 114  | 172944   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38  | 117  | 164005   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32  | 152  | 73438    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65   | 78308    | 51.47  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.94% |          |
| 35) Dibromofluoromethane    | 7.55   | 113  | 51392    | 50.25  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 100.50% |          |
| 50) Toluene-d8              | 10.06  | 98   | 212040   | 50.86  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 101.72% |          |
| 62) 4-Bromofluorobenzene    | 12.38  | 95   | 80675    | 51.42  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.84% |          |
| Target Compounds            |        |      |          |        |         |          |
| 16) Acetone                 | 3.78   | 43   | 24171    | 36.355 | ug/l    | 97       |
| 25) 2-Butanone              | 6.79   | 43   | 7299     | 8.107  | ug/l    | 100      |
| 52) Toluene                 | 10.12  | 92   | 37078    | 11.935 | ug/l    | 99       |
| 67) Ethyl Benzene           | 11.48  | 91   | 11881    | 1.951  | ug/l    | 100      |
| 70) Styrene                 | 11.94  | 104  | 7124     | 1.988  | ug/l    | 92       |
| 95) Naphthalene             | 15.11  | 128  | 6347     | 1.455  | ug/l    | 98       |

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

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Instrument :  
MSVOA\_N  
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1342

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 29 08:14:26 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061280.D

Acq: 4 May 2020 16:03

Instrument :

MSVOA\_N

ClientSampled :

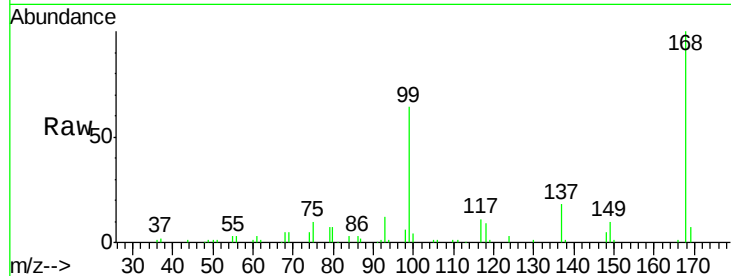
1342

Tot Ion:168 Resp: 96157

Ion Ratio Lower Upper

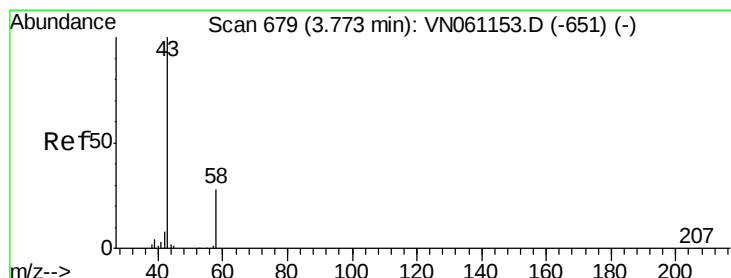
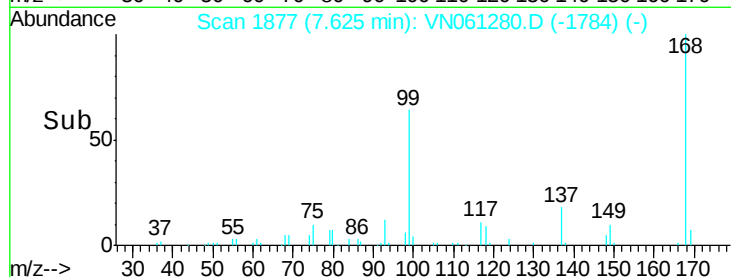
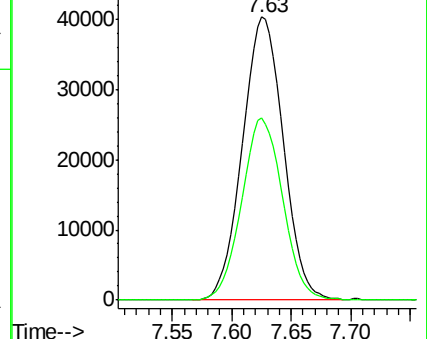
168 100

99 64.4 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 36.355 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061280.D

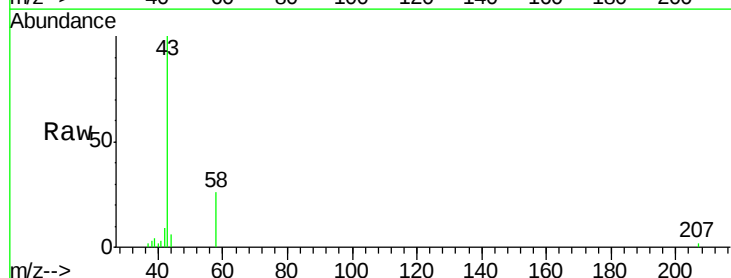
Acq: 4 May 2020 16:03

Tgt Ion: 43 Resp: 24171

Ion Ratio Lower Upper

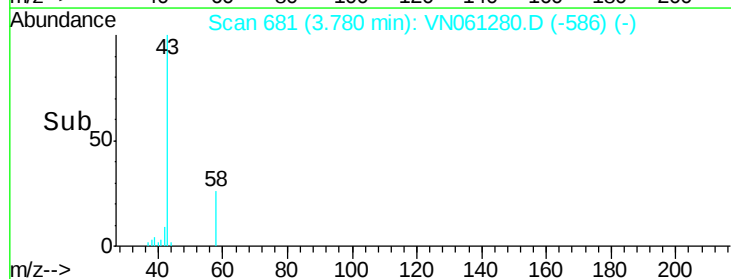
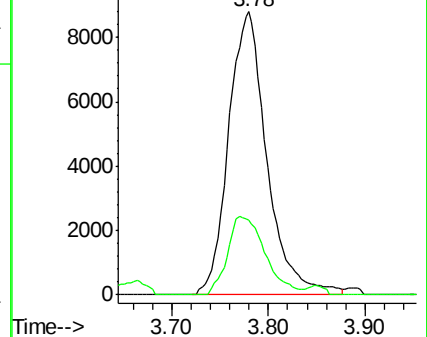
43 100

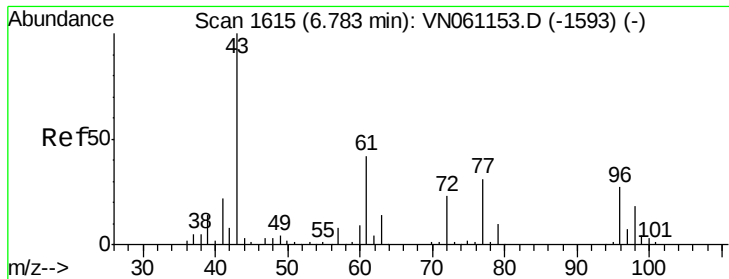
58 26.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#25

2-Butanone

Concen: 8.107 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061280.D

Acq: 4 May 2020 16:03

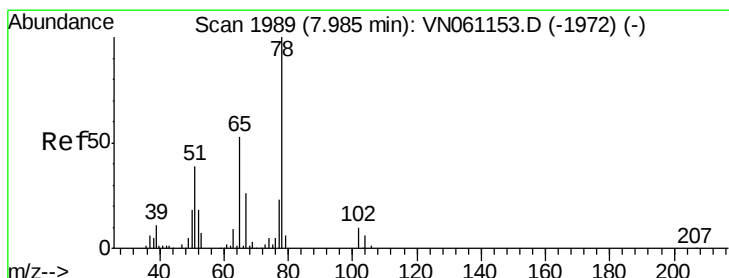
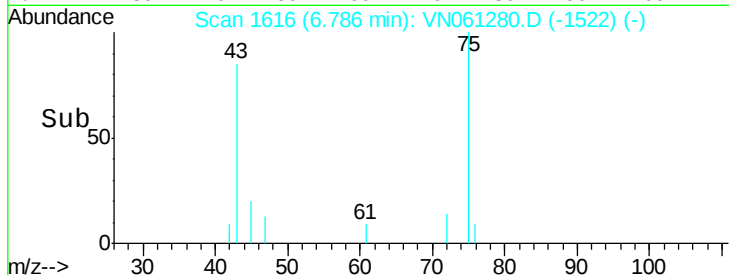
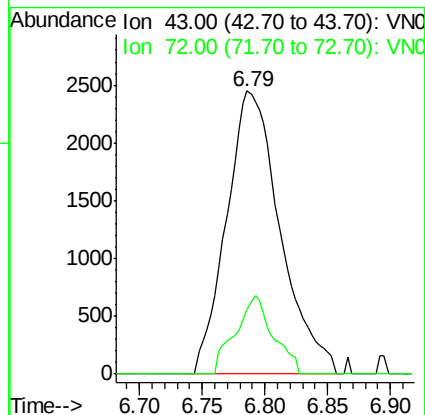
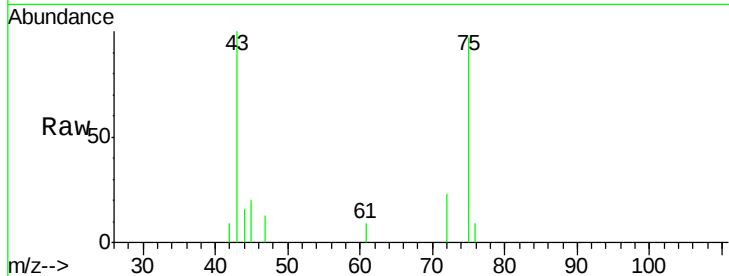
Instrument :  
MSVOA\_N  
ClientSampled :  
1342

Tot Ion: 43 Resp: 7299

Ion Ratio Lower Upper

43 100

72 22.8 18.2 27.4



#33

1,2-Dichloroethane-d4

Concen: 51.468 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061280.D

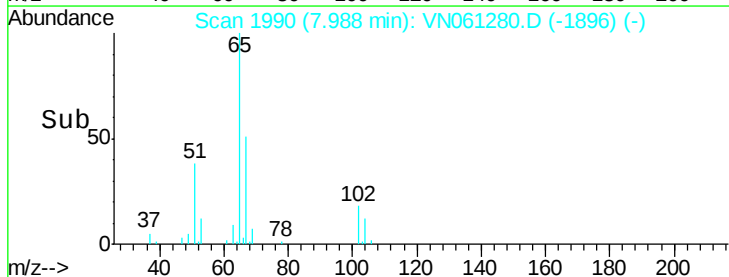
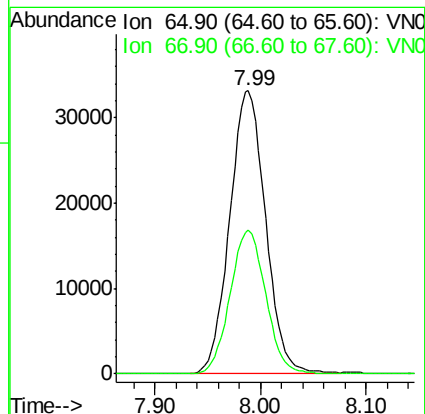
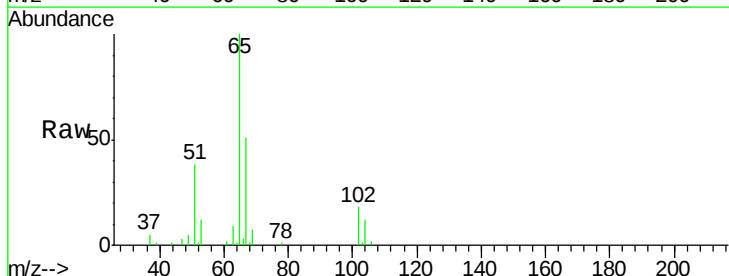
Acq: 4 May 2020 16:03

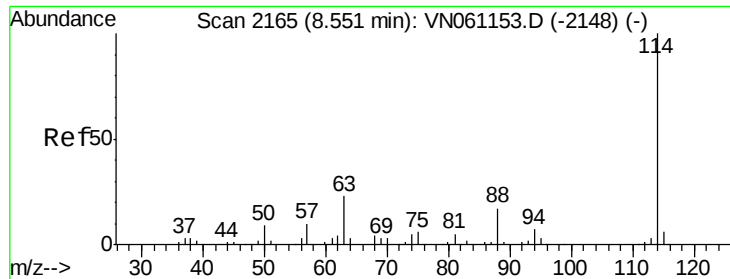
Tgt Ion: 65 Resp: 78308

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.6

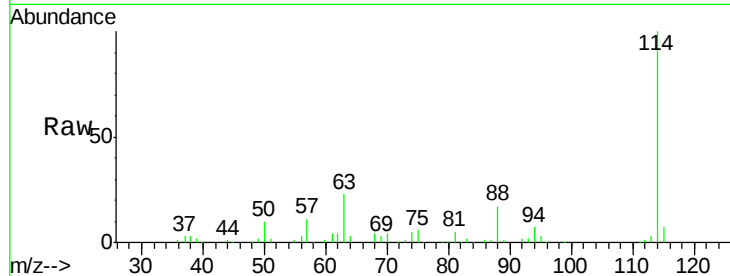




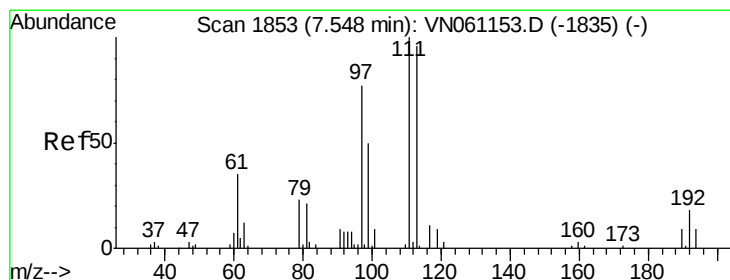
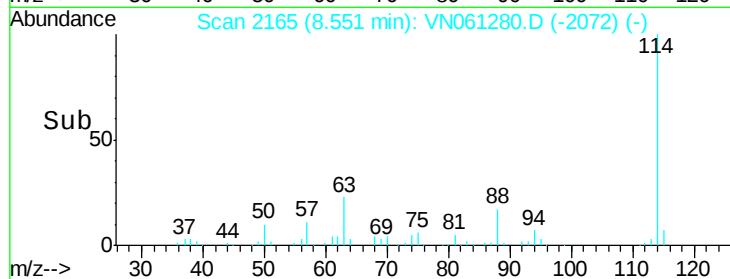
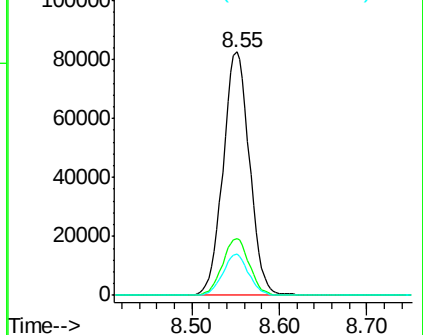
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VN061280.D  
 Acq: 4 May 2020 16:03

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 1342

Tot Ion:114 Resp: 172944  
 Ion Ratio Lower Upper  
 114 100  
 63 23.3 0.0 46.6  
 88 16.8 0.0 33.4

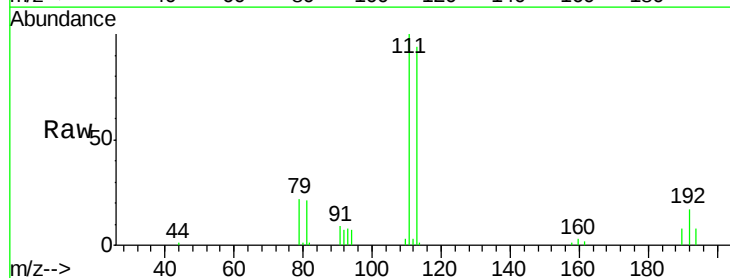


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

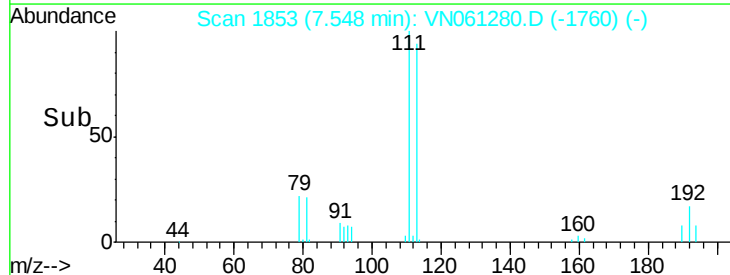
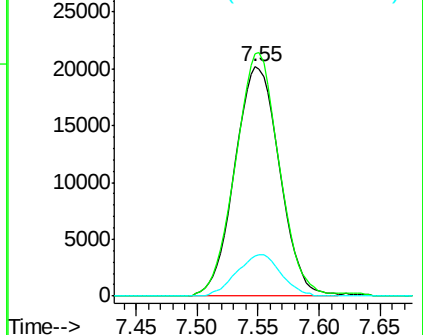


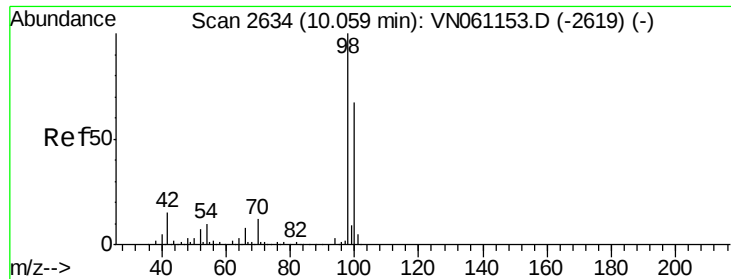
#35  
 Dibromofluoromethane  
 Concen: 50.253 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061280.D  
 Acq: 4 May 2020 16:03

Tgt Ion:113 Resp: 51392  
 Ion Ratio Lower Upper  
 113 100  
 111 103.5 82.9 124.3  
 192 17.8 14.7 22.1



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

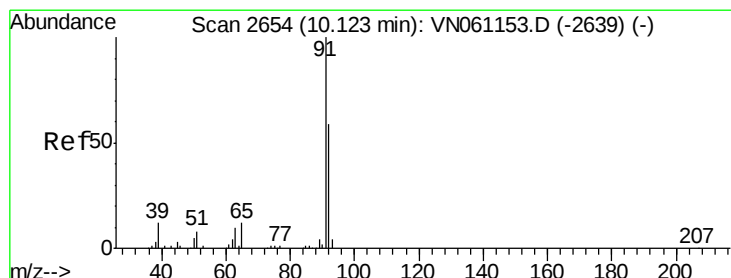
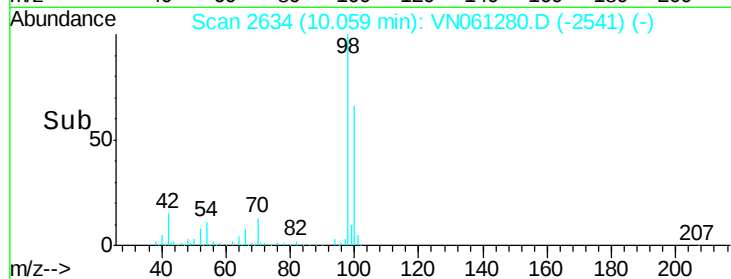
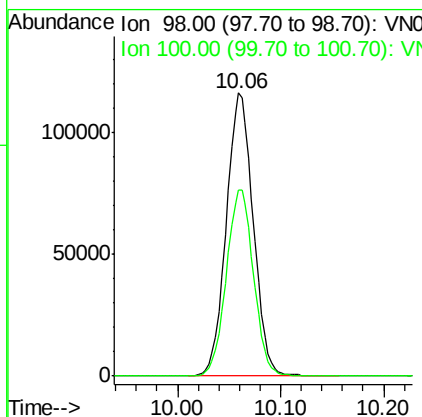
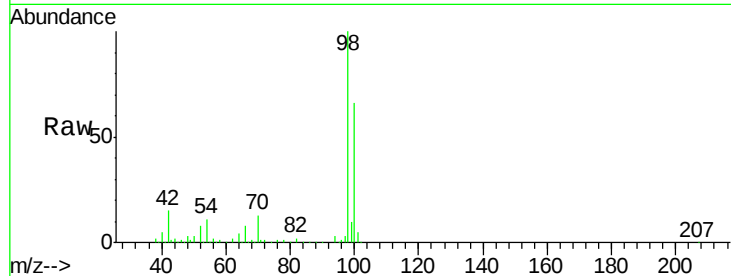




#50  
Toluene-d8  
Concen: 50.862 ug/l  
RT: 10.06 min Scan# 2634  
Delta R.T. 0.00 min  
Lab File: VN061280.D  
Acq: 4 May 2020 16:03

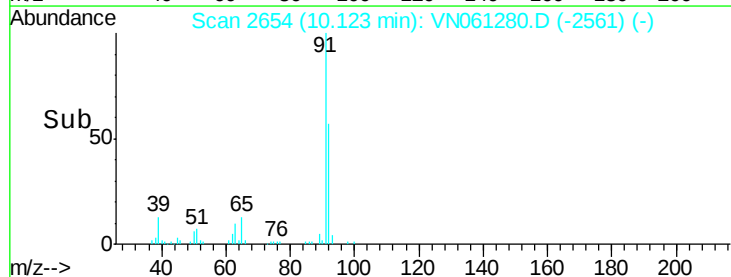
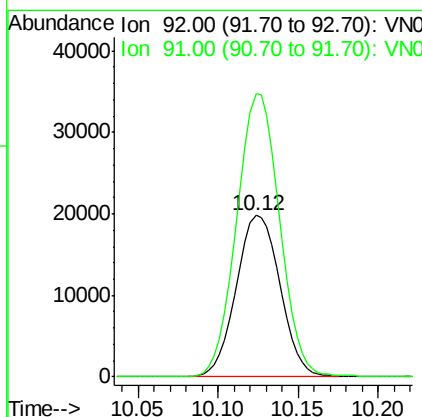
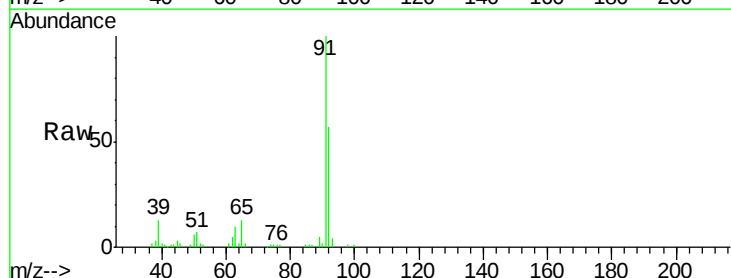
Instrument :  
MSVOA\_N  
ClientSampled :  
1342

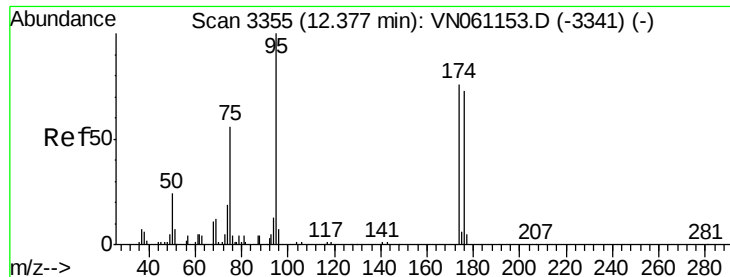
Tot Ion: 98 Resp: 212040  
Ion Ratio Lower Upper  
98 100  
100 66.5 53.4 80.0



#52  
Toluene  
Concen: 11.935 ug/l  
RT: 10.12 min Scan# 2654  
Delta R.T. 0.00 min  
Lab File: VN061280.D  
Acq: 4 May 2020 16:03

Tgt Ion: 92 Resp: 37078  
Ion Ratio Lower Upper  
92 100  
91 172.0 136.2 204.2

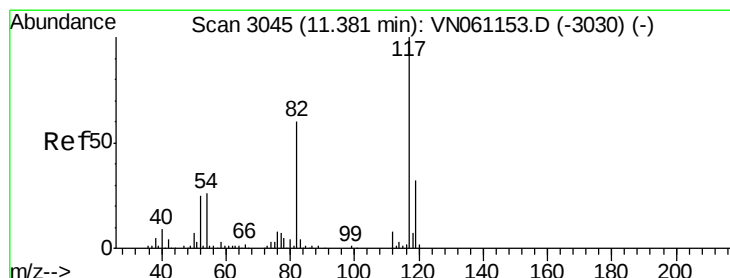
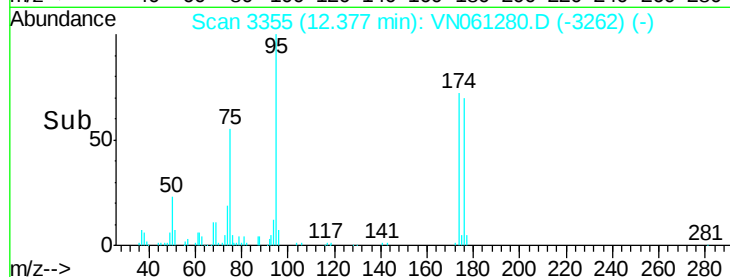
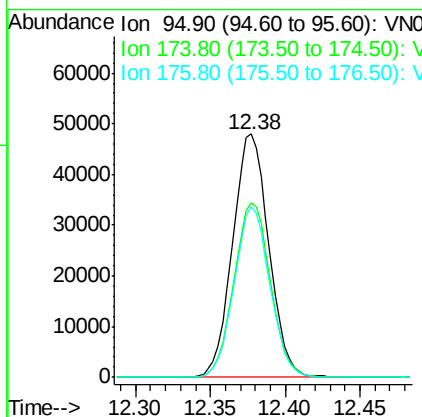
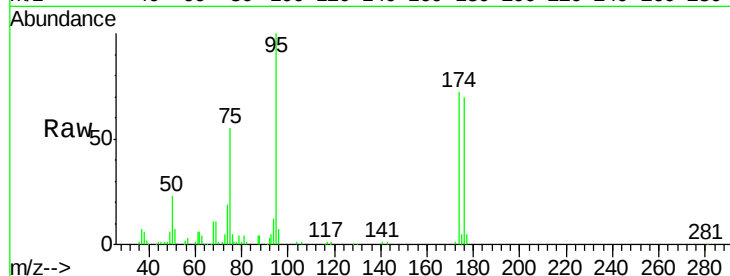




#62  
4-Bromofluorobenzene  
Concen: 51.424 ug/l  
RT: 12.38 min Scan# 3355  
Delta R.T. 0.00 min  
Lab File: VN061280.D  
Acq: 4 May 2020 16:03

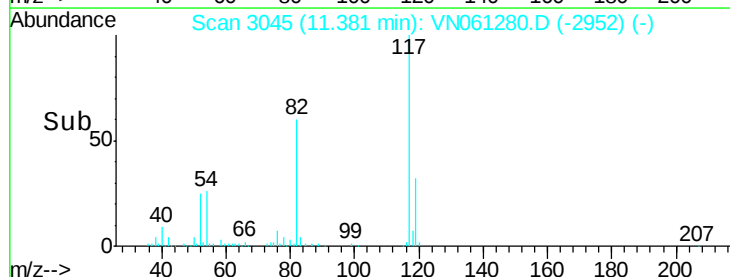
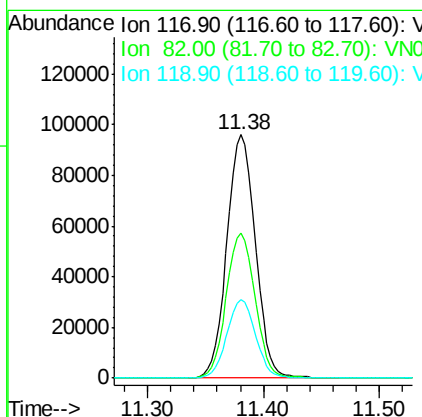
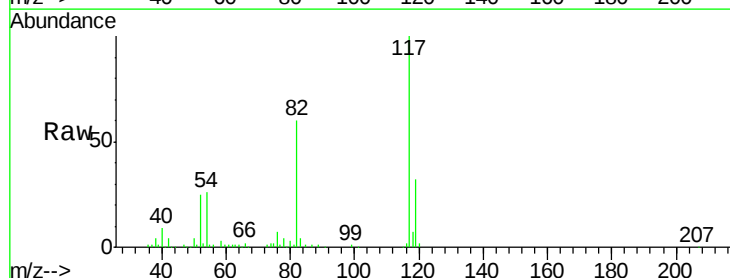
Instrument :  
MSVOA\_N  
ClientSampleId :  
1342

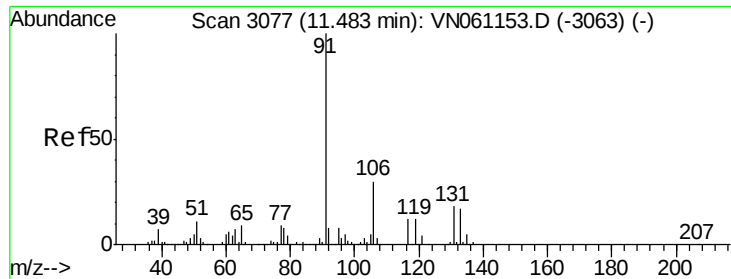
Tot Ion: 95 Resp: 80675  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 149.4  
176 69.3 0.0 144.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 3045  
Delta R.T. 0.00 min  
Lab File: VN061280.D  
Acq: 4 May 2020 16:03

Tgt Ion: 117 Resp: 164005  
Ion Ratio Lower Upper  
117 100  
82 59.6 47.8 71.8  
119 32.3 25.8 38.6

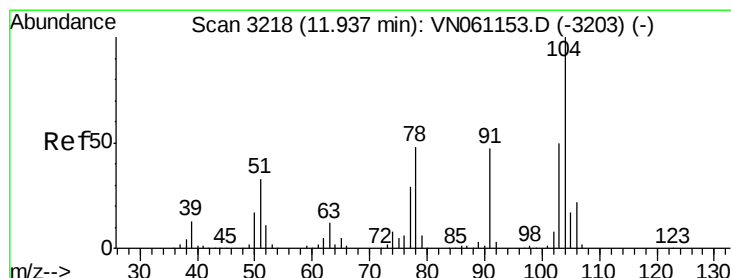
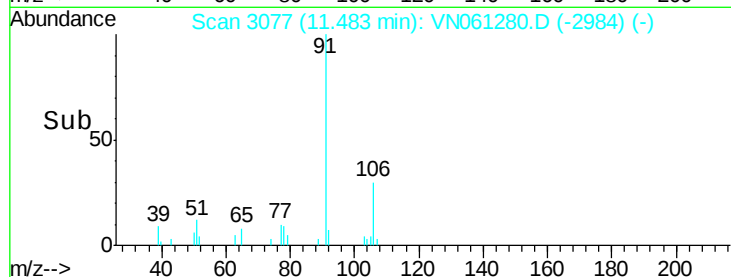
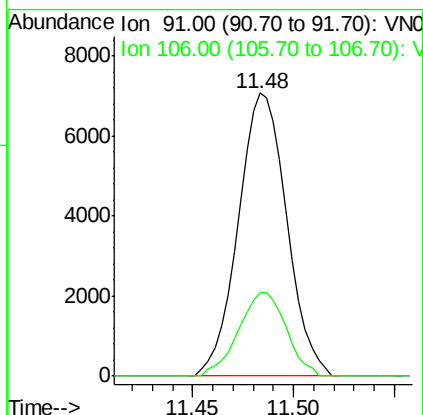
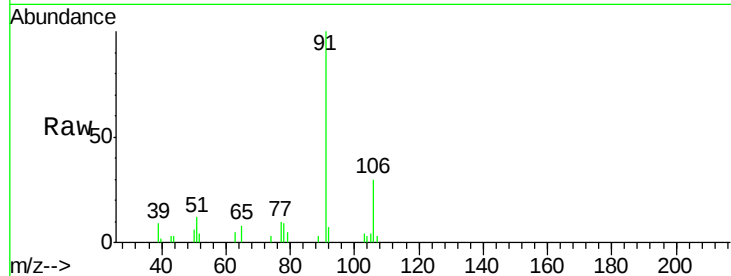




#67  
Ethyl Benzene  
Concen: 1.951 ug/l  
RT: 11.48 min Scan# 3077  
Delta R.T. 0.00 min  
Lab File: VN061280.D  
Acq: 4 May 2020 16:03

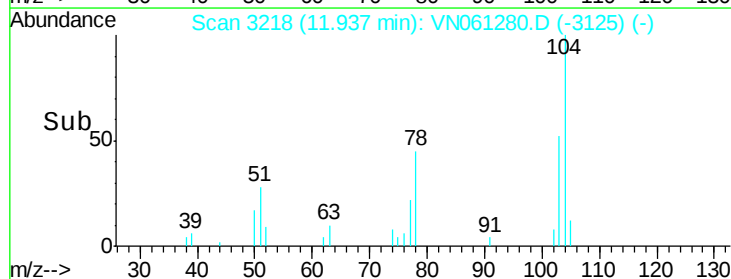
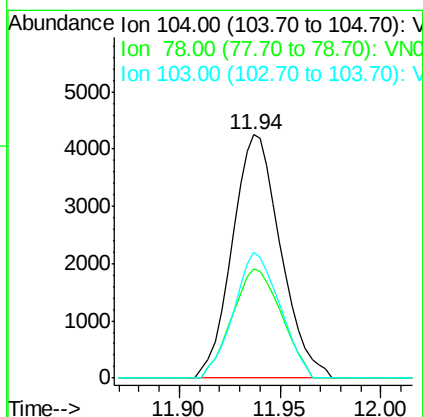
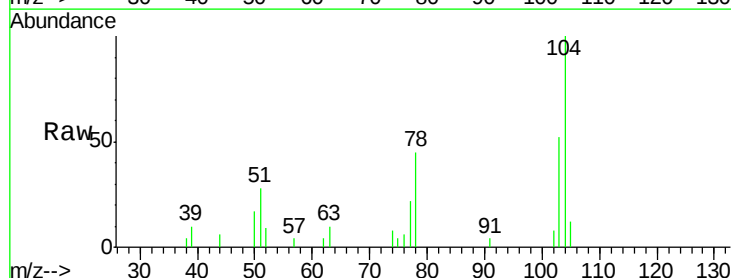
Instrument :  
MSVOA\_N  
ClientSampled :  
1342

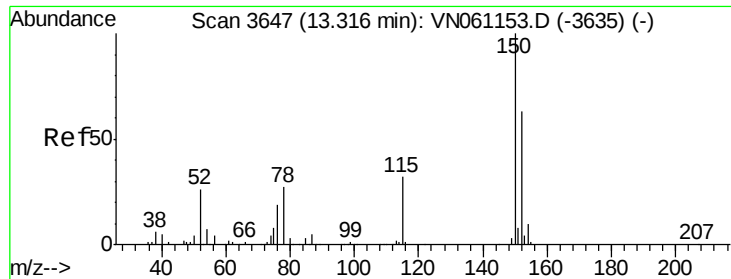
Tot Ion: 91 Resp: 11881  
Ion Ratio Lower Upper  
91 100  
106 29.7 23.8 35.6



#70  
Styrene  
Concen: 1.988 ug/l  
RT: 11.94 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN061280.D  
Acq: 4 May 2020 16:03

Tgt Ion: 104 Resp: 7124  
Ion Ratio Lower Upper  
104 100  
78 45.6 42.1 63.1  
103 49.2 43.3 64.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061280.D

Acq: 4 May 2020 16:03

Instrument :

MSVOA\_N

ClientSampled :

1342

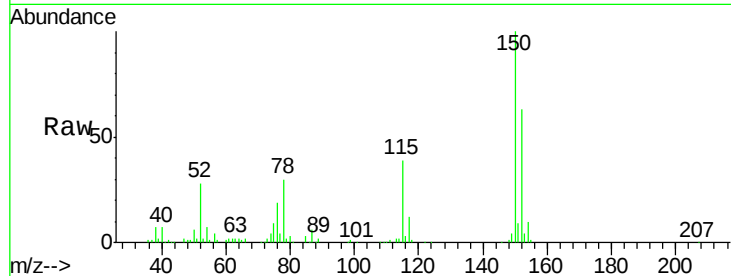
Tot Ion:152 Resp: 73438

Ion Ratio Lower Upper

152 100

115 61.6 31.0 93.0

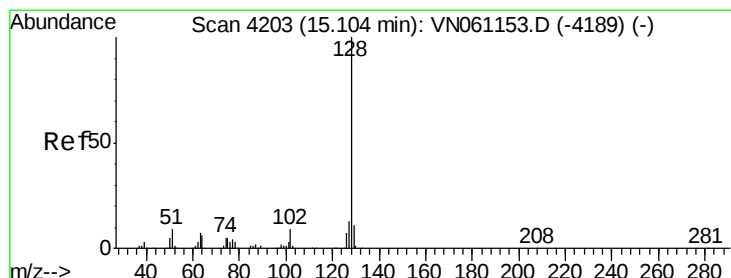
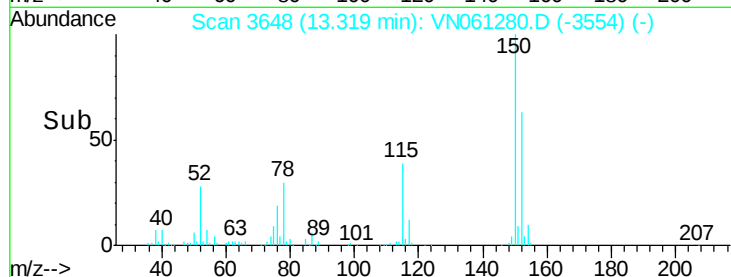
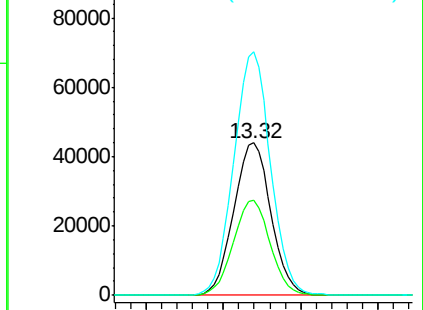
150 157.5 0.0 351.8



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: 1.455 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061280.D

Acq: 4 May 2020 16:03

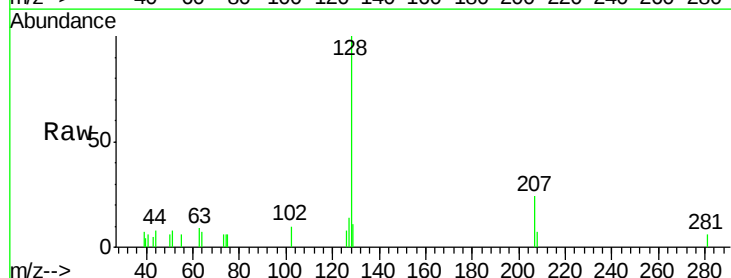
Tgt Ion:128 Resp: 6347

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 9.3 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

