

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\  
 Data File : VN053616.D  
 Acq On : 5 Feb 2019 13:36  
 Operator : JC/SP  
 Sample : K1350-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EO-03-020419-A

Quant Time: Feb 06 04:27:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

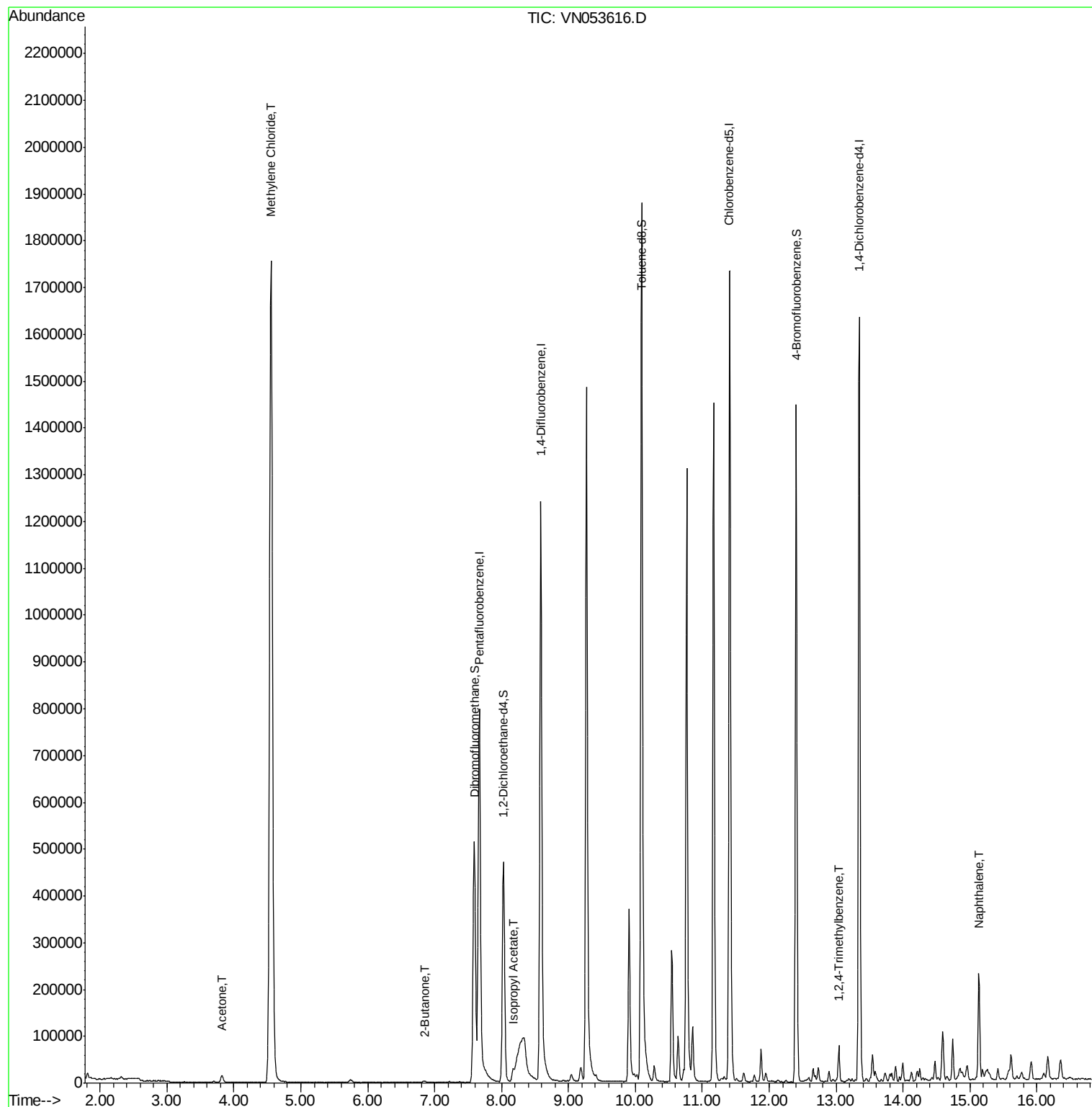
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 800022   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 1286564  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1163491  | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34  | 152  | 482731   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 406271   | 50.62   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 101.24% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 403315   | 49.61   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 99.22%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 1555098  | 50.95   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 101.90% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 513814   | 50.47   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 100.94% |          |
| Target Compounds            |        |      |          |         |         |          |
| 16) Acetone                 | 3.82   | 43   | 26456    | 12.851  | ug/l    | 95       |
| 20) Methylene Chloride      | 4.55   | 84   | 1399852  | 162.080 | ug/l    | 98       |
| 25) 2-Butanone              | 6.85   | 43   | 4793     | 1.632   | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.17   | 43   | 33560    | 2.683   | ug/l #  | 84       |
| 84) 1,2,4-Trimethylbenzene  | 13.04  | 105  | 44777    | 1.562   | ug/l    | 100      |
| 95) Naphthalene             | 15.13  | 128  | 204495   | 11.045  | ug/l    | 100      |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053616.D

Acq: 5 Feb 2019 13:36

Instrument :

MSVOA\_N

ClientSampleId :

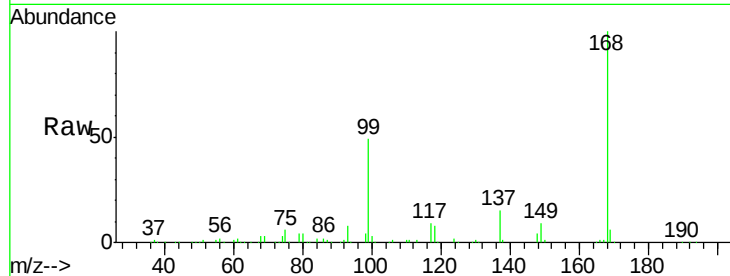
EO-03-020419-A

Tot Ion:168 Resp: 800022

Ion Ratio Lower Upper

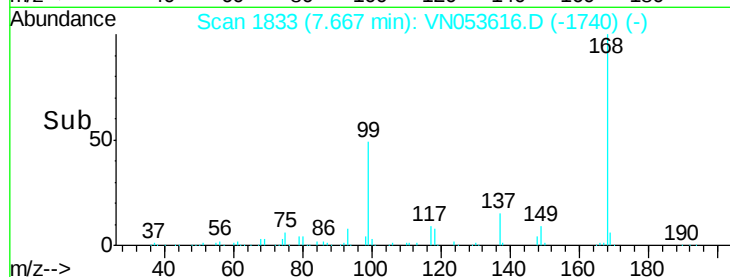
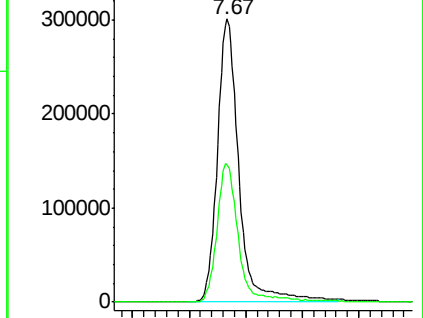
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.851 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053616.D

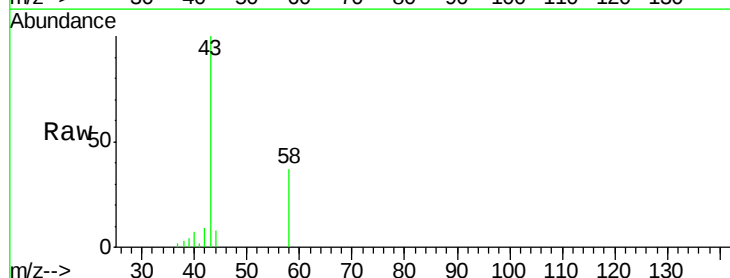
Acq: 5 Feb 2019 13:36

Tgt Ion: 43 Resp: 26456

Ion Ratio Lower Upper

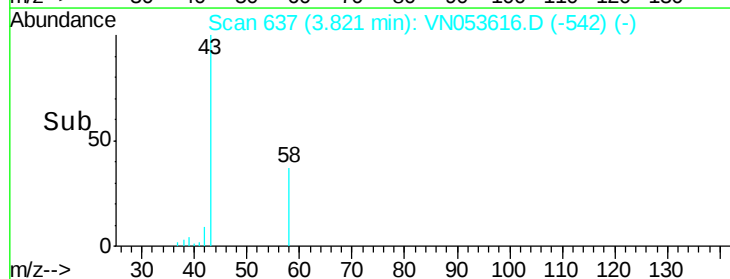
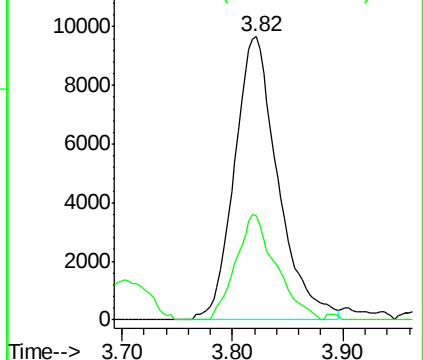
43 100

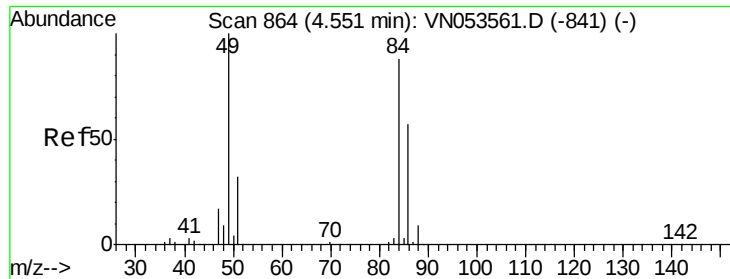
58 36.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



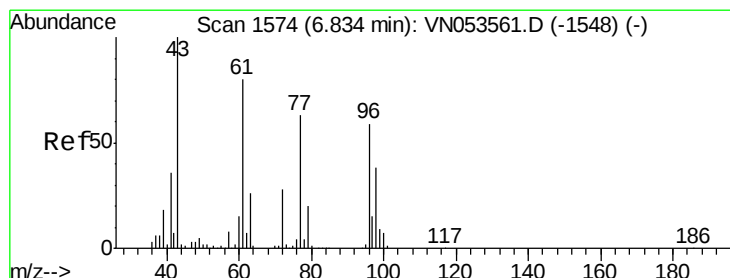
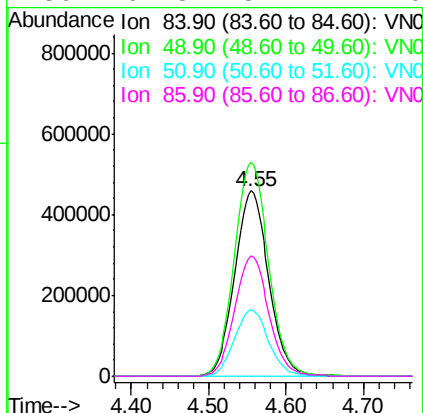
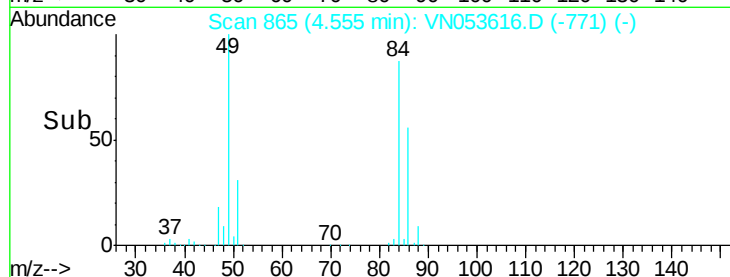
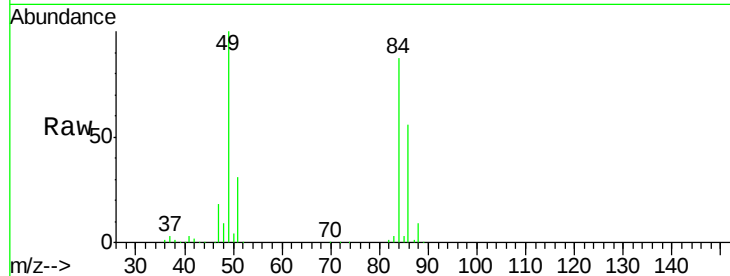


#20  
Methvlene Chloride  
Concen: 162.080 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053616.D  
Acq: 5 Feb 2019 13:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
EO-03-020419-A

Tot Ion: 84 Resp: 1399852

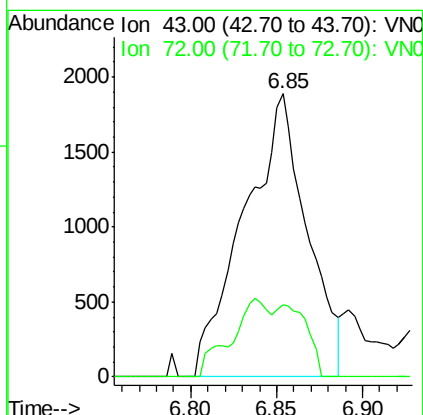
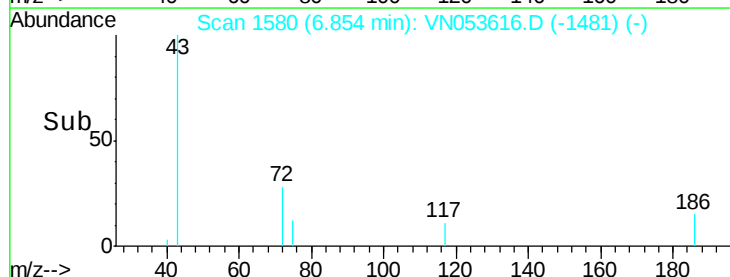
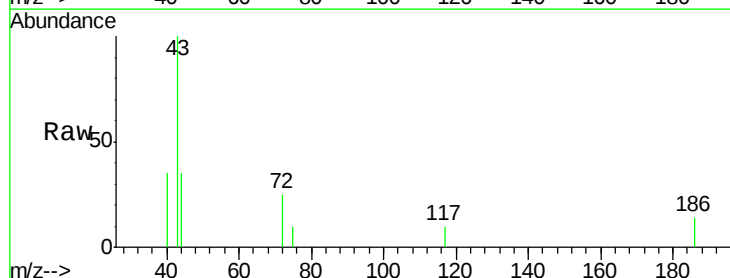
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 115.4 | 94.3  | 141.5 |
| 51  | 35.8  | 29.4  | 44.2  |
| 86  | 64.8  | 51.4  | 77.0  |

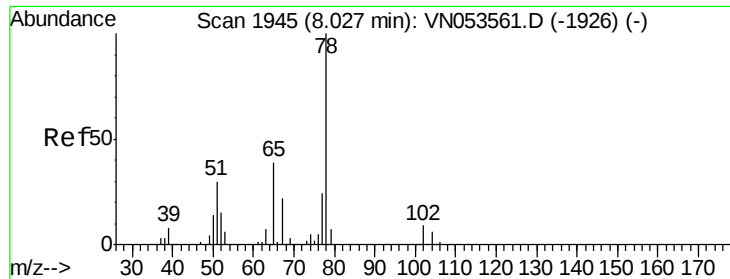


#25  
2-Butanone  
Concen: 1.632 ug/l  
RT: 6.85 min Scan# 1580  
Delta R.T. 0.02 min  
Lab File: VN053616.D  
Acq: 5 Feb 2019 13:36

Tgt Ion: 43 Resp: 4793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 25.4  | 22.0  | 33.0  |

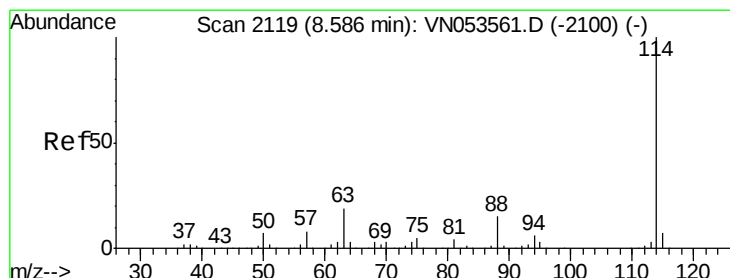
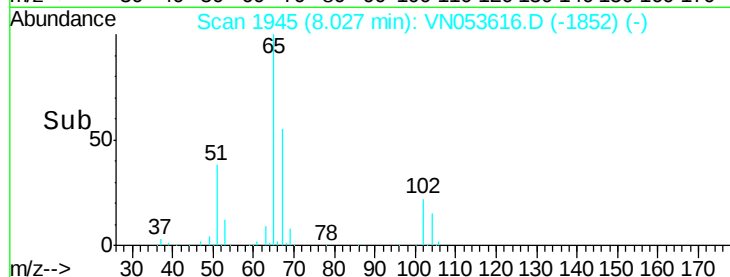
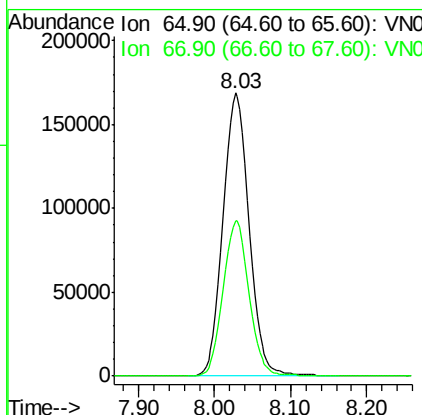
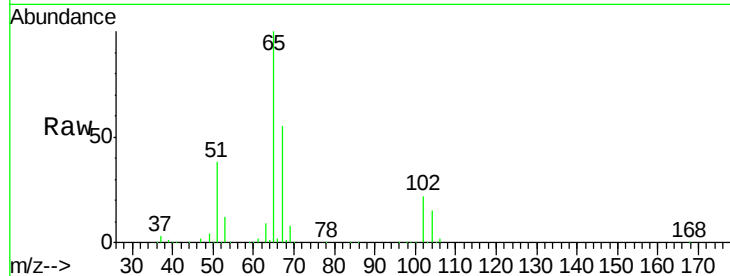




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053616.D  
 Acq: 5 Feb 2019 13:36

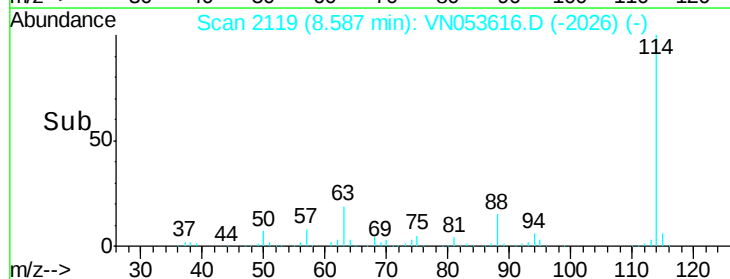
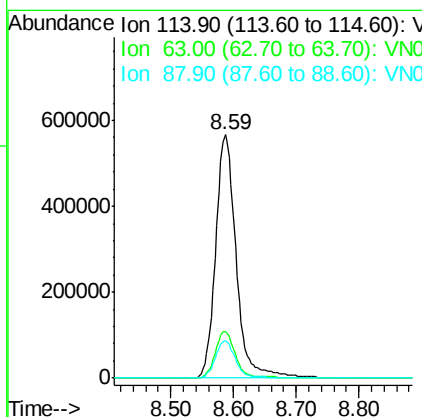
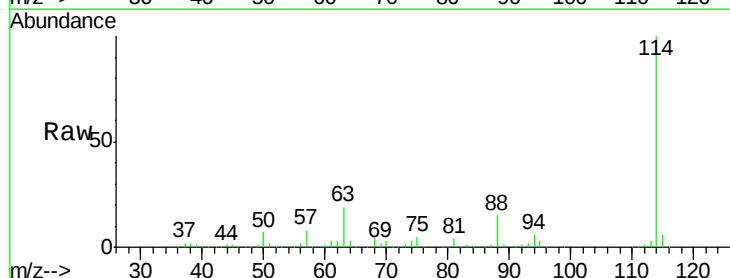
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EO-03-020419-A

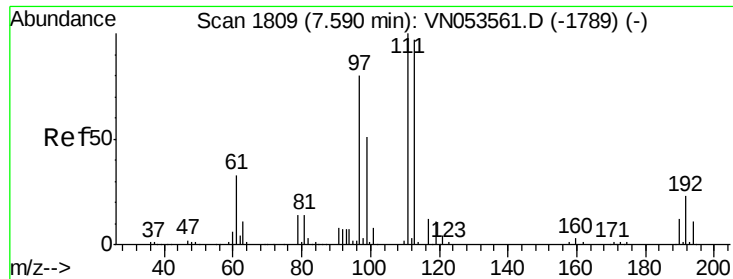
Tot Ion: 65 Resp: 406271  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 111.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053616.D  
 Acq: 5 Feb 2019 13:36

Tgt Ion: 114 Resp: 1286564  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 38.6  
 88 15.3 0.0 30.4

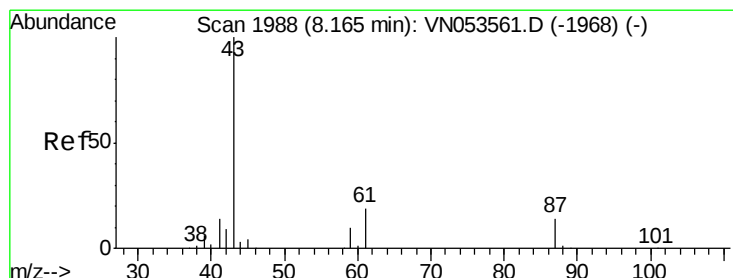
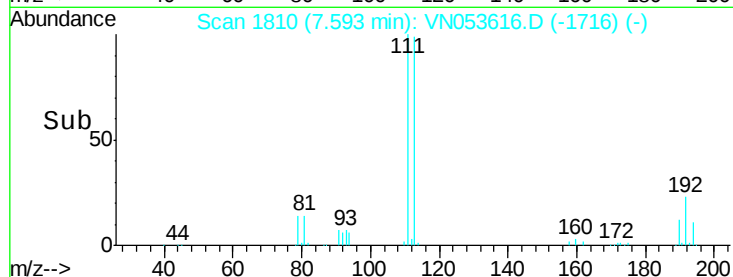
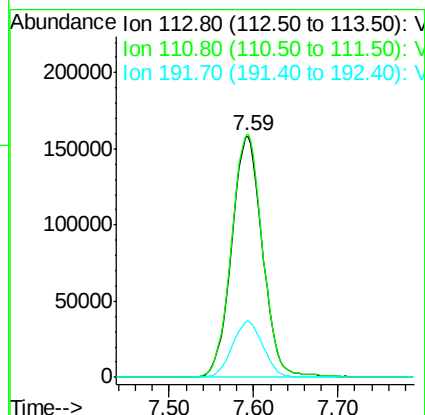
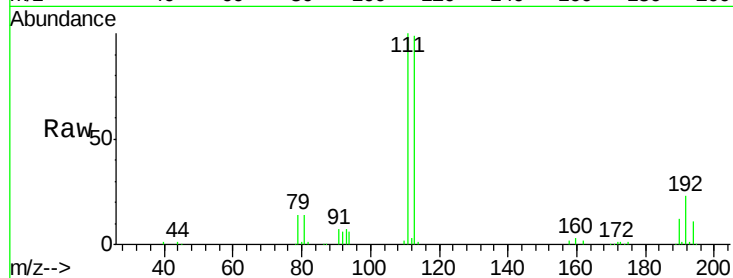




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053616.D  
 Acq: 5 Feb 2019 13:36

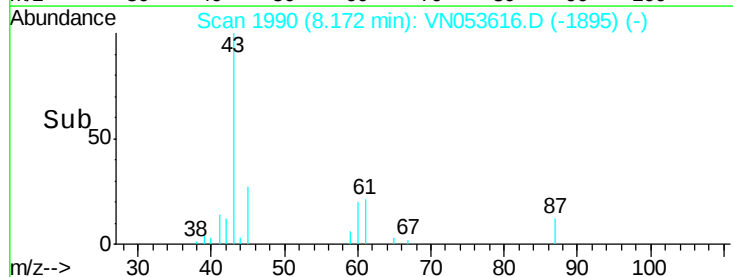
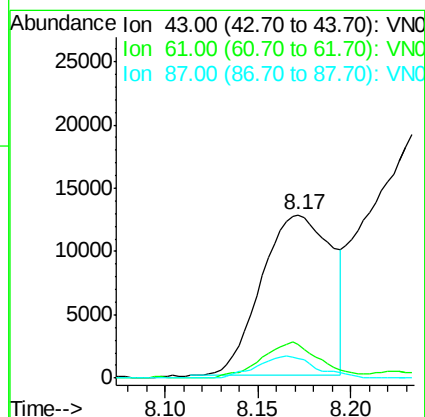
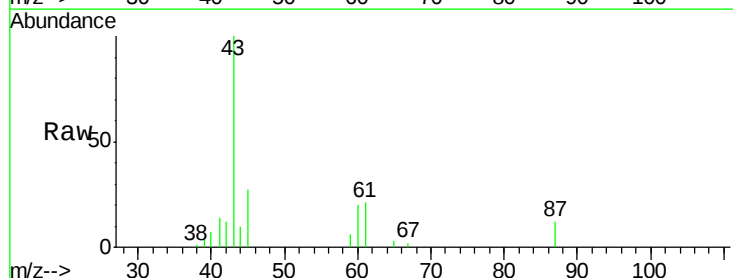
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EO-03-020419-A

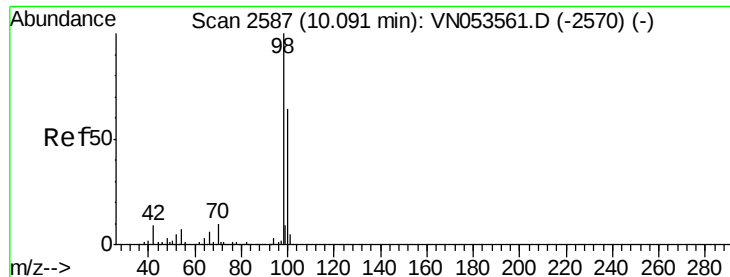
Tot Ion:113 Resp: 403315  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.1 121.7  
 192 23.3 18.2 27.2



#43  
 Isopropyl Acetate  
 Concen: 2.683 ug/l  
 RT: 8.17 min Scan# 1990  
 Delta R.T. 0.01 min  
 Lab File: VN053616.D  
 Acq: 5 Feb 2019 13:36

Tgt Ion: 43 Resp: 33560  
 Ion Ratio Lower Upper  
 43 100  
 61 18.7 23.9 35.9#  
 87 11.5 11.0 16.6





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053616.D

Acq: 5 Feb 2019 13:36

Instrument :

MSVOA\_N

ClientSampleId :

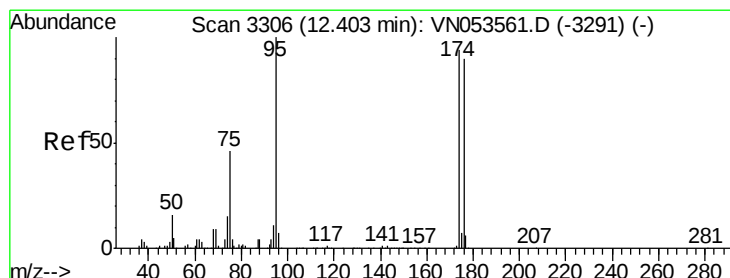
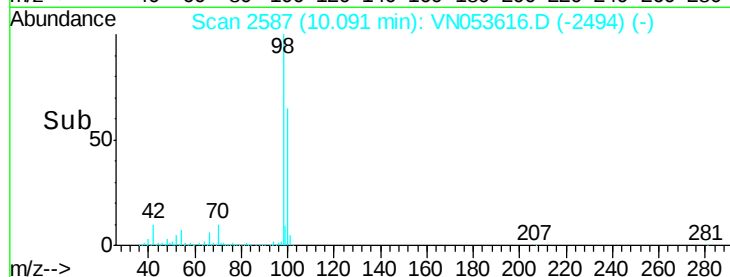
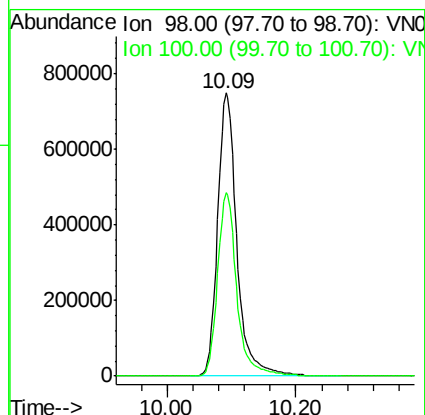
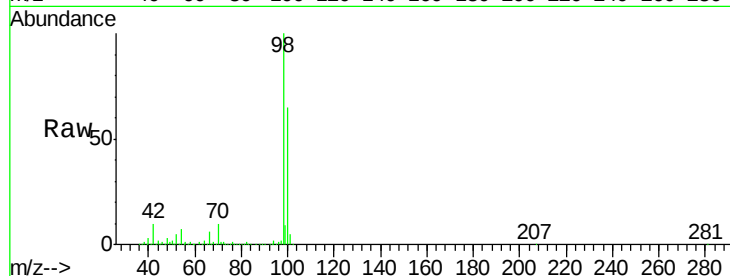
EO-03-020419-A

Tot Ion: 98 Resp: 1555098

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053616.D

Acq: 5 Feb 2019 13:36

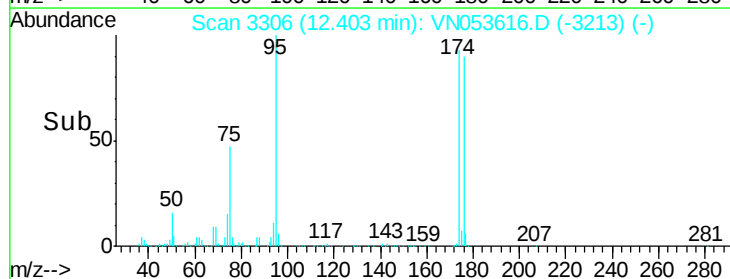
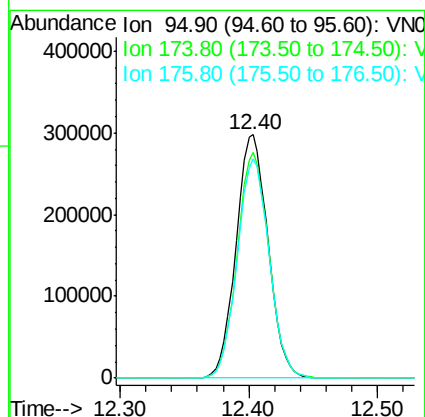
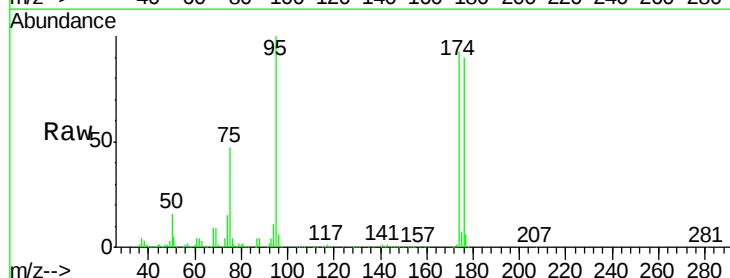
Tgt Ion: 95 Resp: 513814

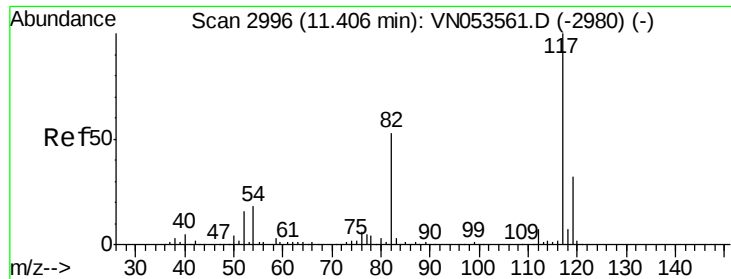
Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.2

176 89.9 0.0 177.4

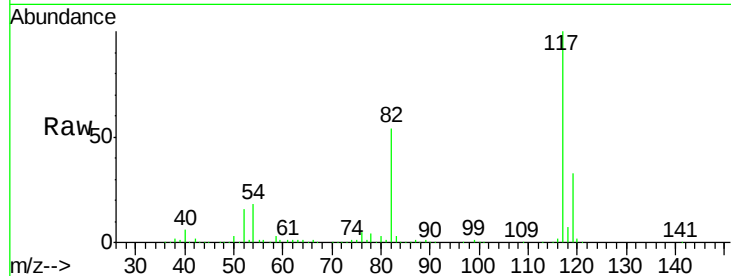




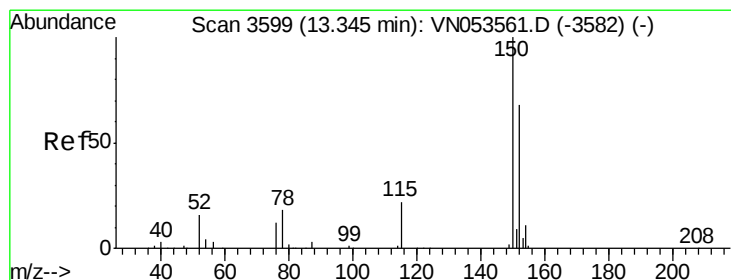
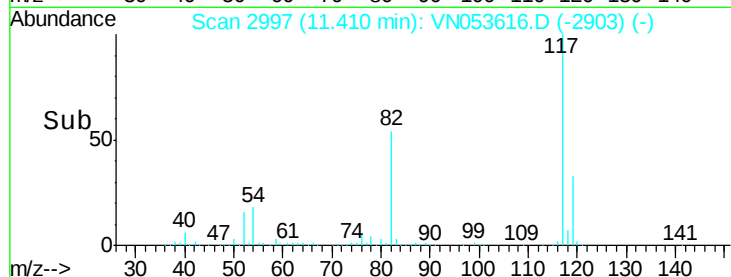
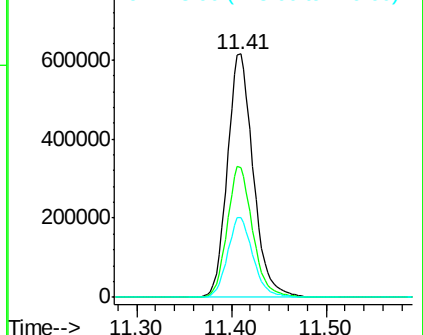
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053616.D  
Acq: 5 Feb 2019 13:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
EO-03-020419-A

Tot Ion:117 Resp: 1163491  
Ion Ratio Lower Upper  
117 100  
82 53.5 42.9 64.3  
119 32.8 26.0 39.0

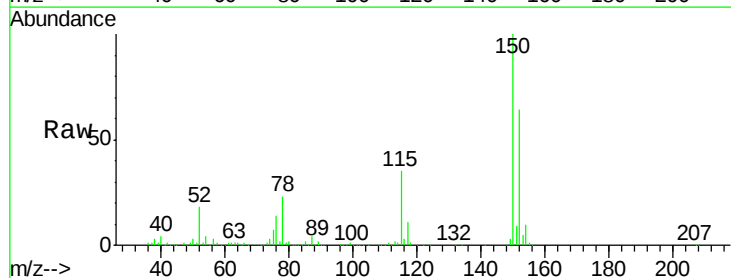


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

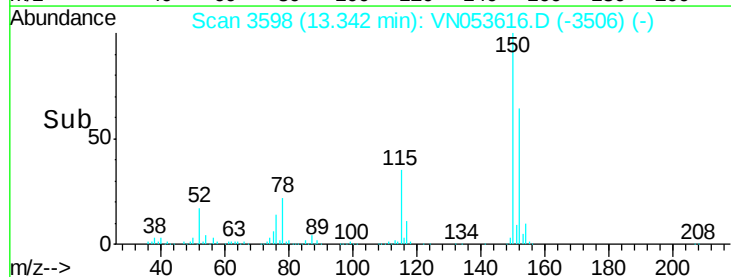
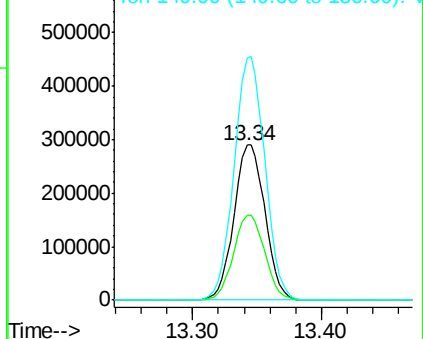


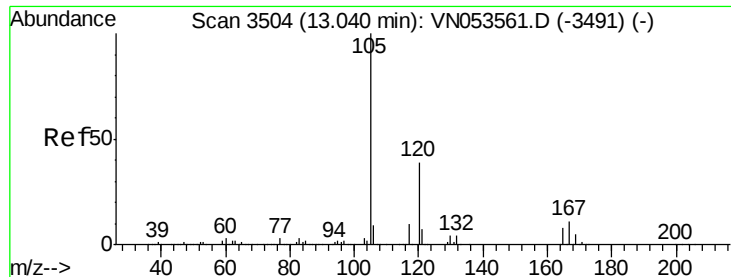
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053616.D  
Acq: 5 Feb 2019 13:36

Tgt Ion:152 Resp: 482731  
Ion Ratio Lower Upper  
152 100  
115 55.4 27.8 83.4  
150 156.2 0.0 349.0



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





#84

1,2,4-Trimethylbenzene

Concen: 1.562 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053616.D

Acq: 5 Feb 2019 13:36

Instrument :

MSVOA\_N

ClientSampleId :

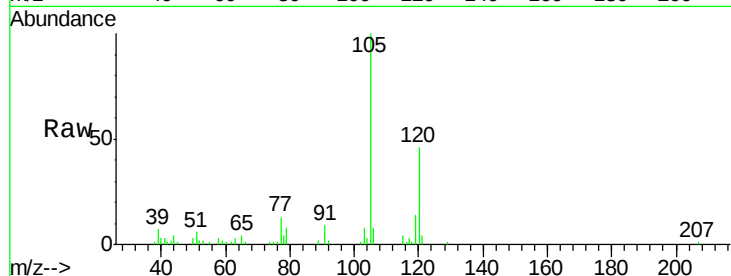
EO-03-020419-A

Tot Ion:105 Resp: 44777

Ion Ratio Lower Upper

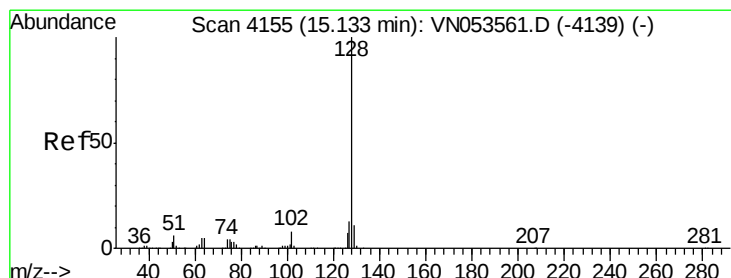
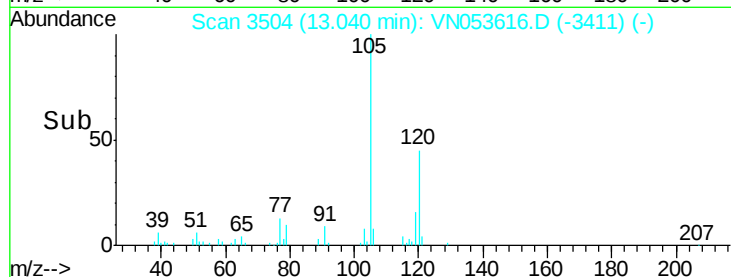
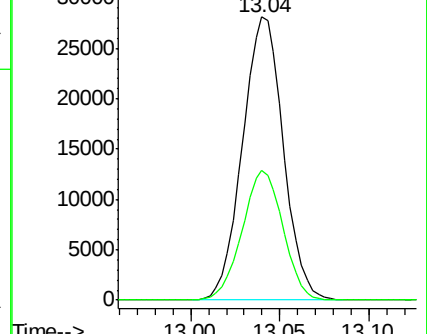
105 100

120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 11.045 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053616.D

Acq: 5 Feb 2019 13:36

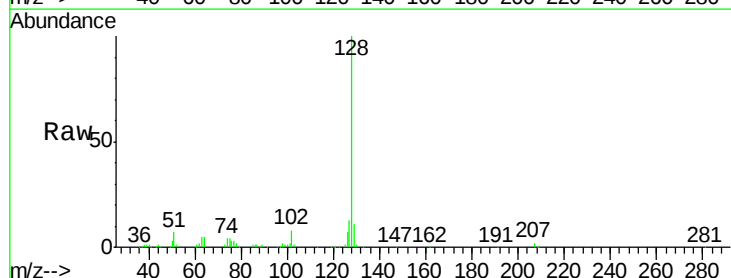
Tgt Ion:128 Resp: 204495

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.6 13.0



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

