

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\  
 Data File : VN055871.D  
 Acq On : 29 May 2019 12:28  
 Operator : JC/SP  
 Sample : K3065-05ME  
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B-14-1.5-2.0ME

Quant Time: May 30 08:18:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

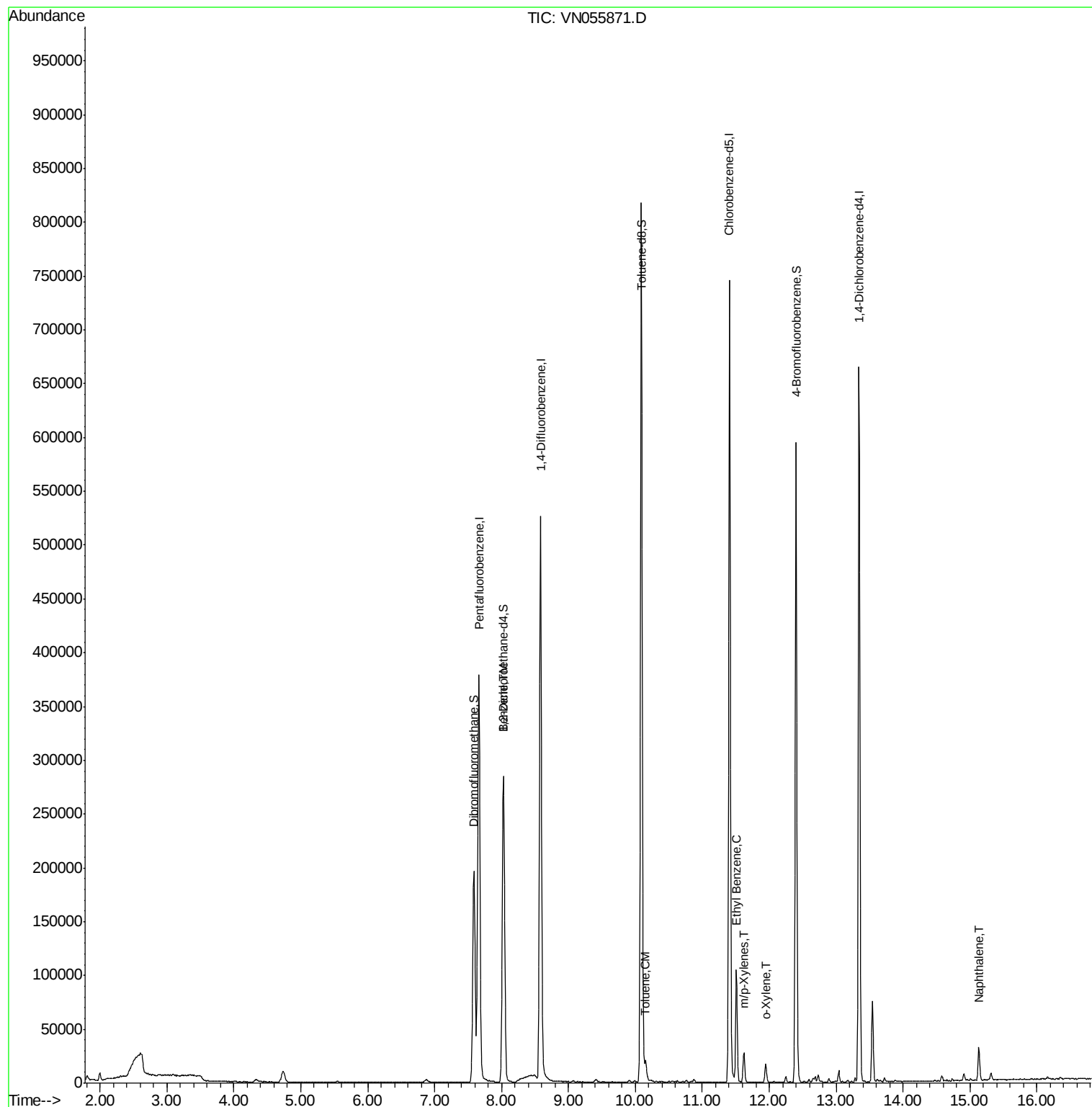
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 356516   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 520865   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 473723   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 196554   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 170061   | 46.19 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 152450   | 46.29 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.58% |          |
| 50) Toluene-d8              | 10.09 | 98   | 614033   | 48.61 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.22% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 208856   | 48.22 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.44% |          |
| Target Compounds            |       |      |          |       |        |          |
| 40) Benzene                 | 8.04  | 78   | 117115   | 8.561 | ug/l   | 98       |
| 52) Toluene                 | 10.15 | 92   | 5530     | 0.643 | ug/l   | 92       |
| 67) Ethyl Benzene           | 11.51 | 91   | 79979    | 4.703 | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.62 | 106  | 10032    | 1.560 | ug/l   | 98       |
| 69) o-Xylene                | 11.95 | 106  | 5076     | 0.796 | ug/l   | 97       |
| 95) Naphthalene             | 15.13 | 128  | 29195    | 3.211 | ug/l   | 99       |

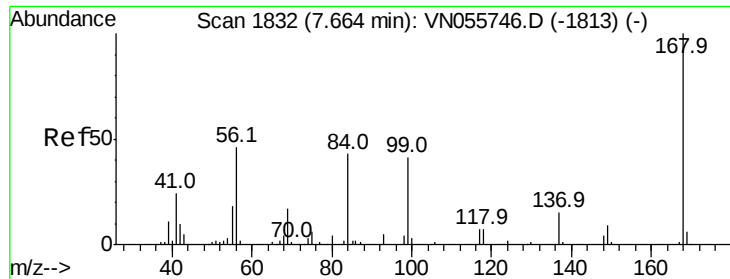
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052919\  
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B-14-1.5-2.0ME

Quant Time: May 30 08:18:56 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

Instrument :

MSVOA\_N

ClientSampleId :

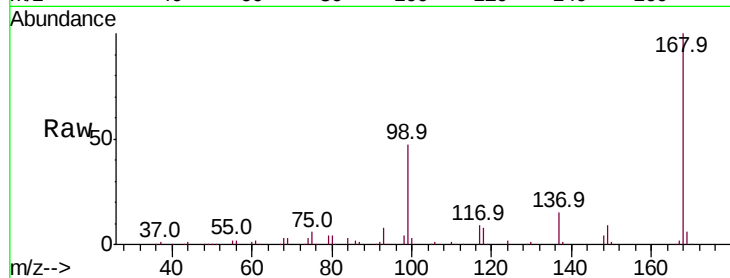
B-14-1.5-2.0ME

Tot Ion:168 Resp: 356516

Ion Ratio Lower Upper

168 100

99 46.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

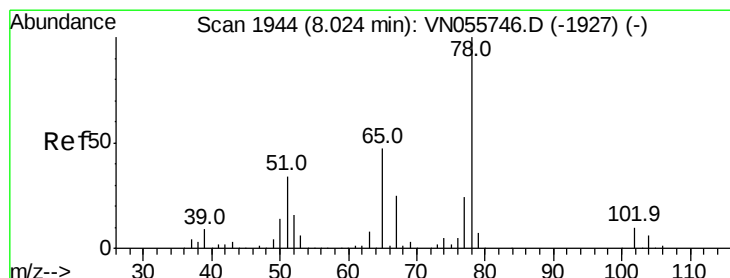
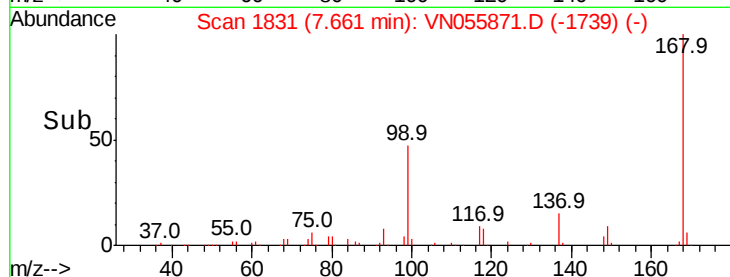
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.189 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055871.D

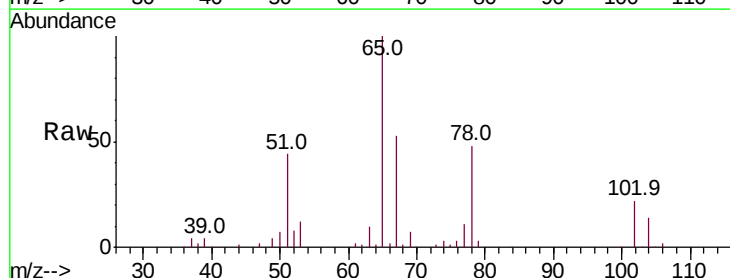
Acq: 29 May 2019 12:28

Tgt Ion: 65 Resp: 170061

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): VN

8.02

80000

60000

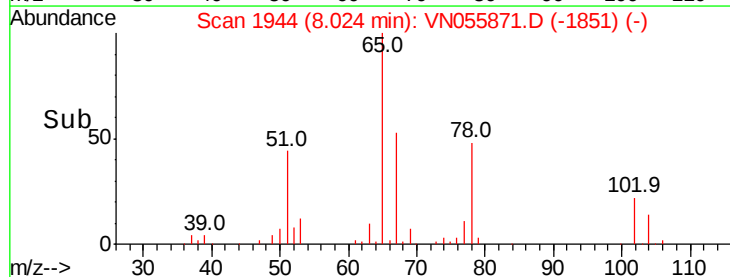
40000

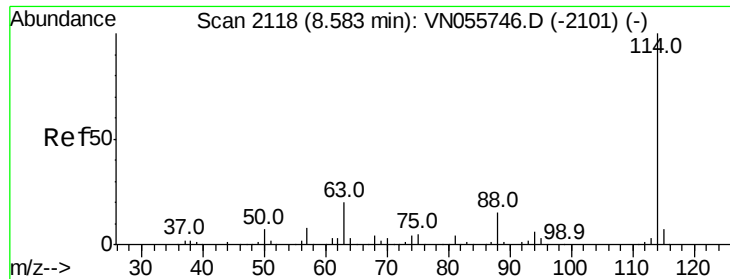
20000

0

7.95 8.00 8.05 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

Instrument :

MSVOA\_N

ClientSampleId :

B-14-1.5-2.0ME

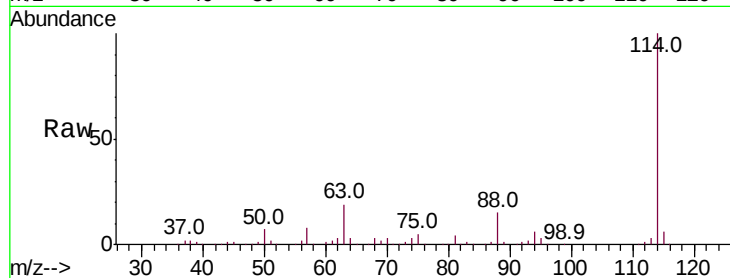
Tot Ion:114 Resp: 520865

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

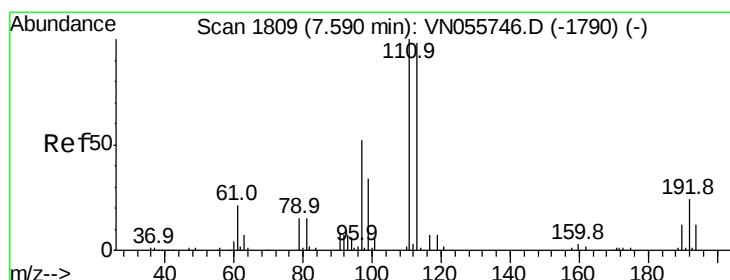
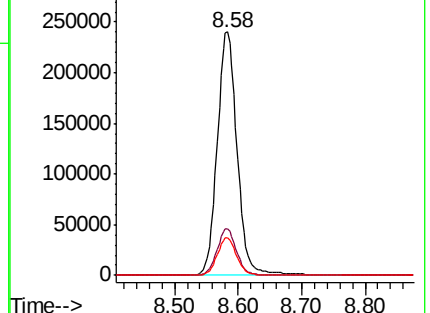
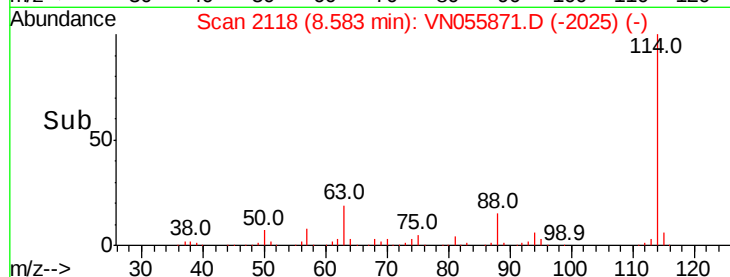
88 15.3 0.0 31.0



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: 46.294 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

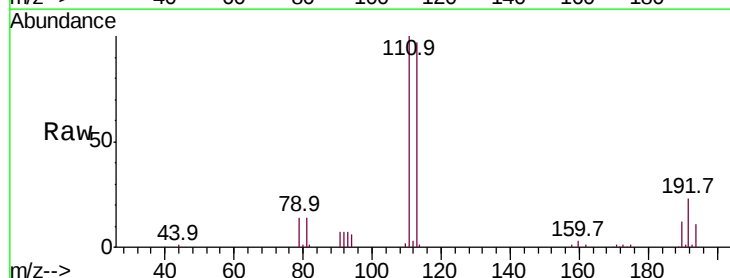
Tgt Ion:113 Resp: 152450

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

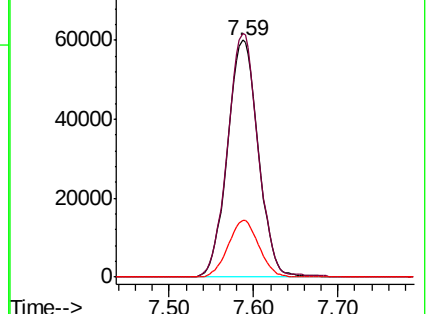
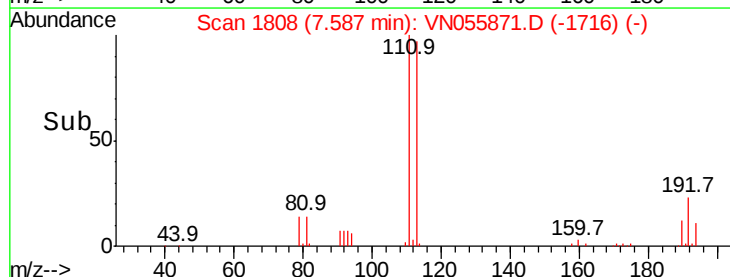
192 23.8 19.5 29.3

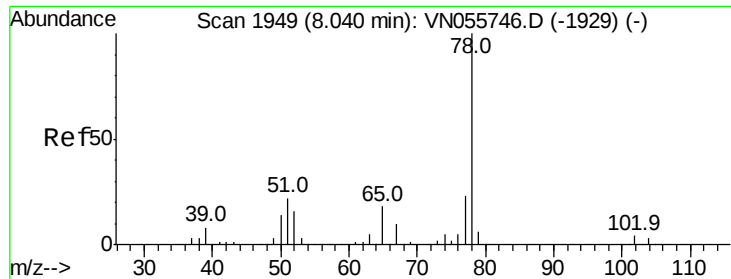


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 8.561 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

Instrument :

MSVOA\_N

ClientSampleId :

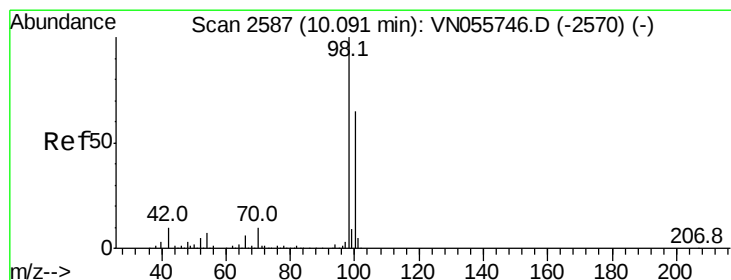
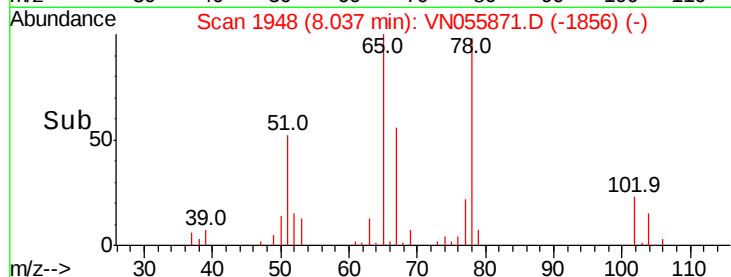
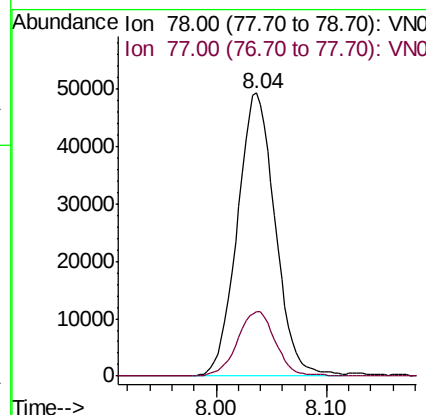
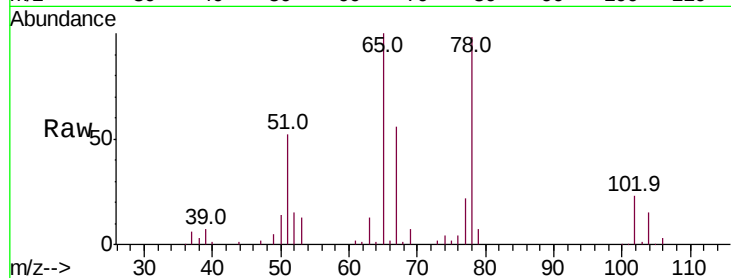
B-14-1.5-2.0ME

Tot Ion: 78 Resp: 117115

Ion Ratio Lower Upper

78 100

77 22.7 18.8 28.2



#50

Toluene-d8

Concen: 48.610 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055871.D

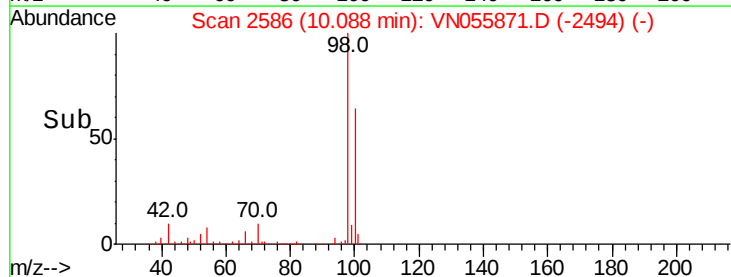
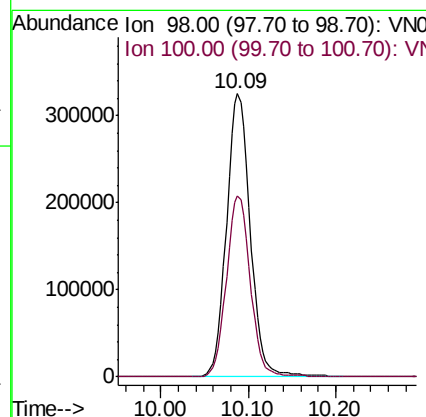
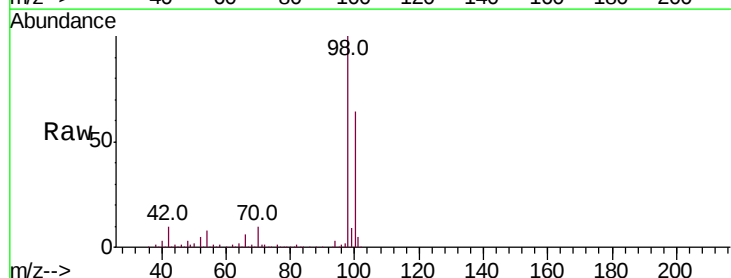
Acq: 29 May 2019 12:28

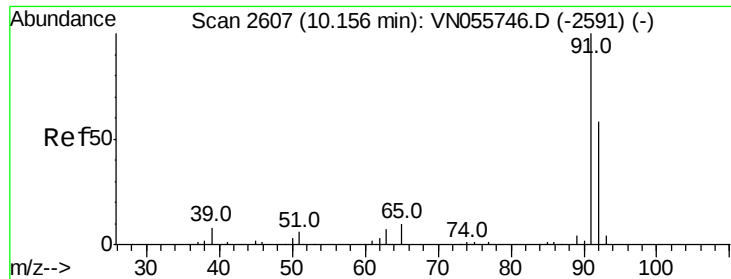
Tgt Ion: 98 Resp: 614033

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#52

Toluene

Concen: 0.643 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

Instrument :

MSVOA\_N

ClientSampleId :

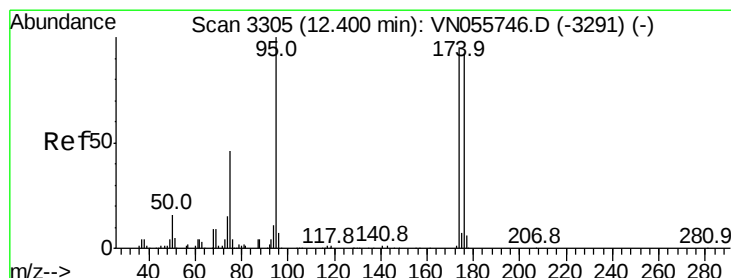
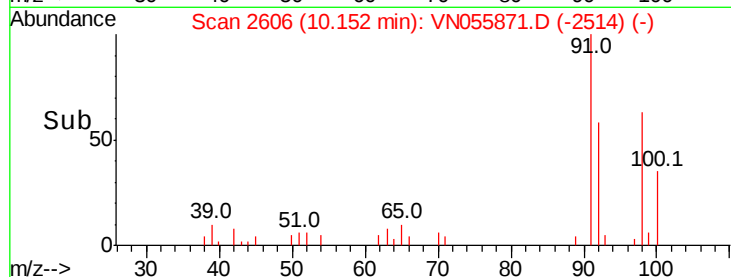
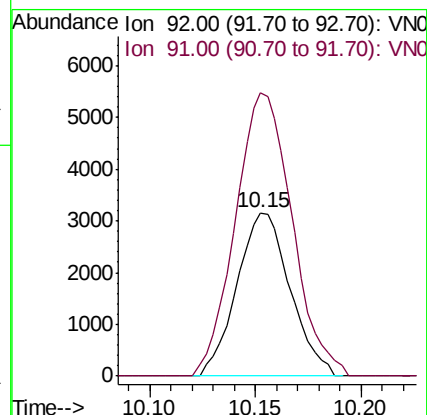
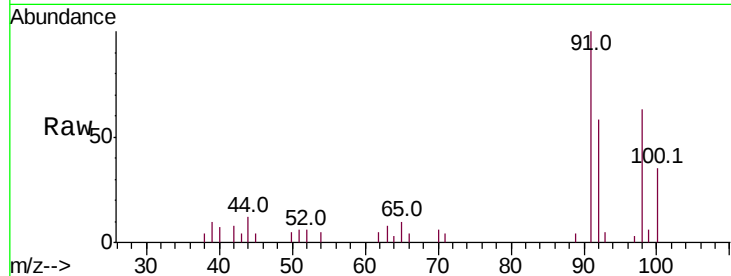
B-14-1.5-2.0ME

Tot Ion: 92 Resp: 5530

Ion Ratio Lower Upper

92 100

91 185.0 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 48.220 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

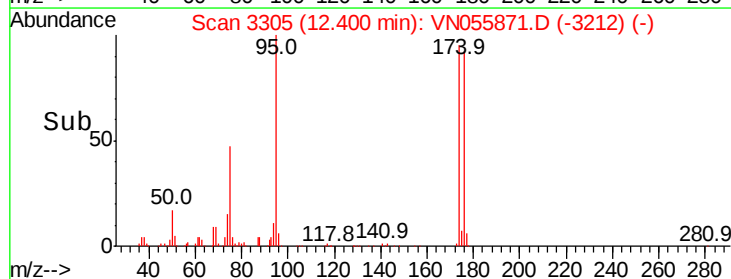
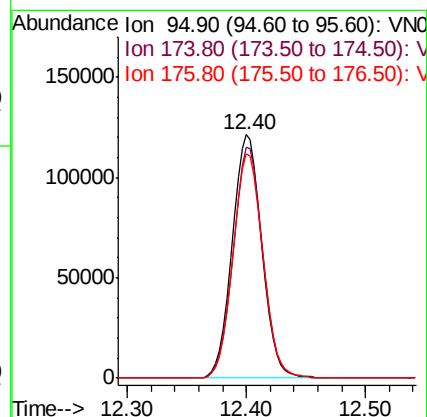
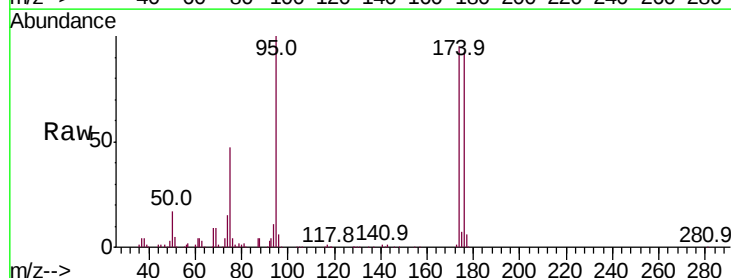
Tgt Ion: 95 Resp: 208856

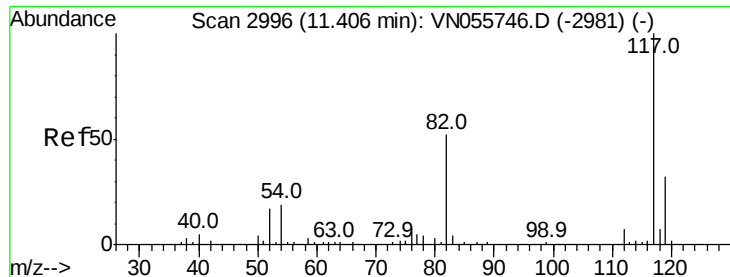
Ion Ratio Lower Upper

95 100

174 94.7 0.0 191.0

176 93.0 0.0 185.2

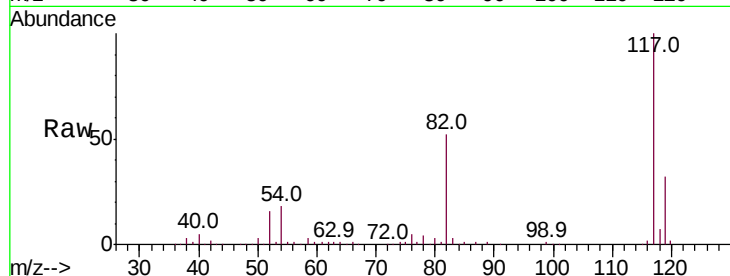




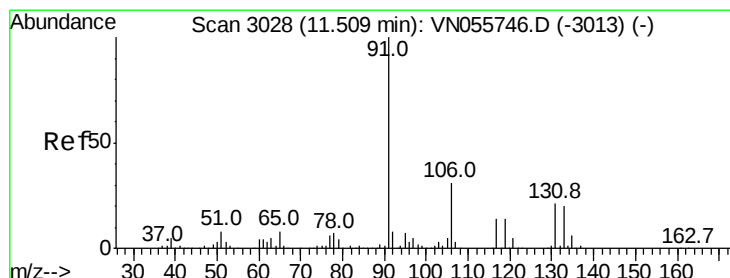
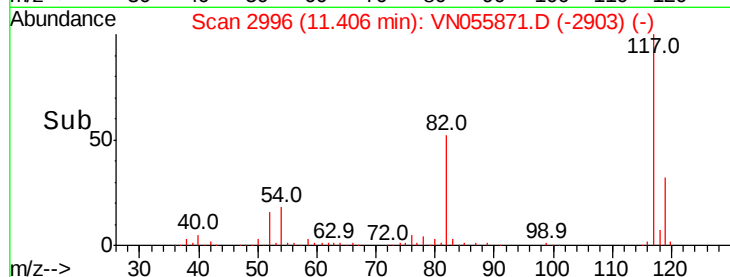
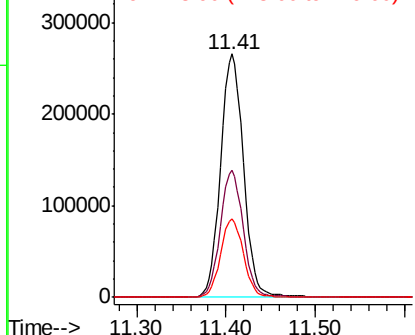
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055871.D  
Acq: 29 May 2019 12:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-14-1.5-2.0ME

Tot Ion:117 Resp: 473723  
Ion Ratio Lower Upper  
117 100  
82 52.1 41.8 62.8  
119 32.1 25.4 38.0

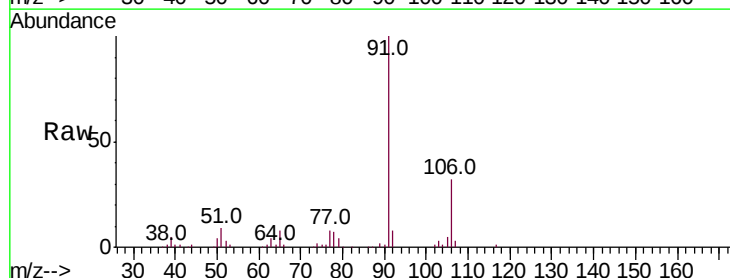


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

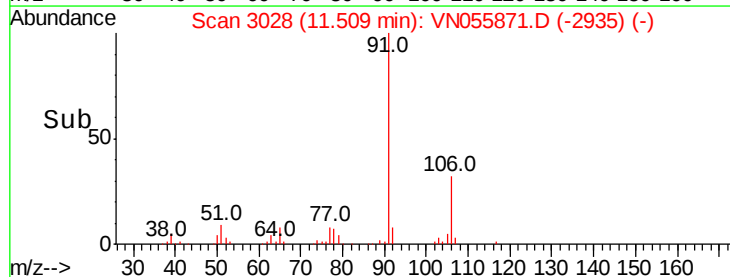
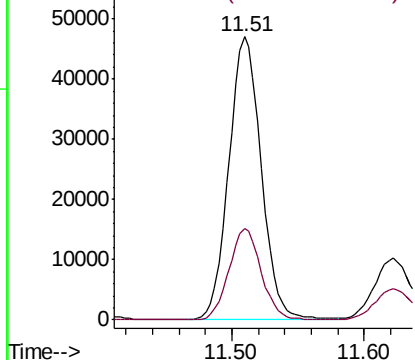


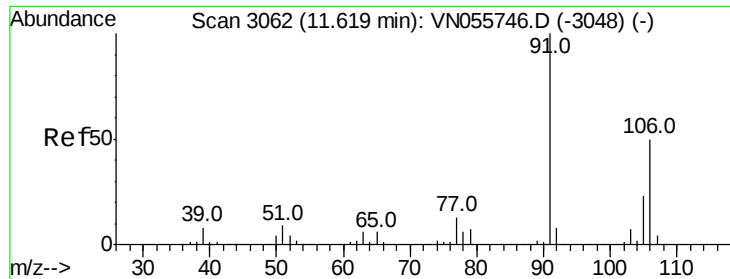
#67  
Ethyl Benzene  
Concen: 4.703 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055871.D  
Acq: 29 May 2019 12:28

Tgt Ion: 91 Resp: 79979  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 106.00 (105.70 to 106.70): V

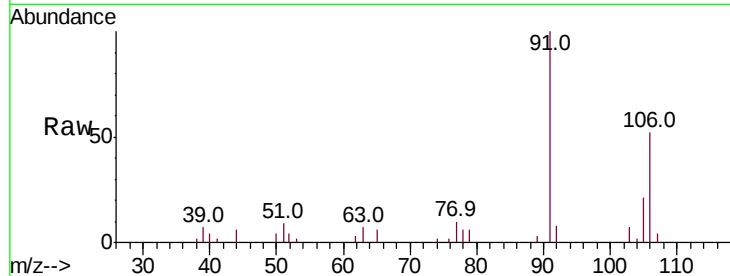




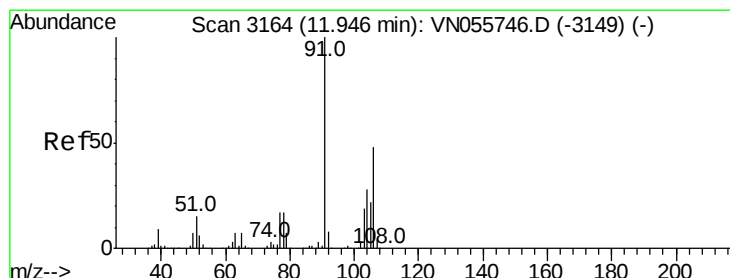
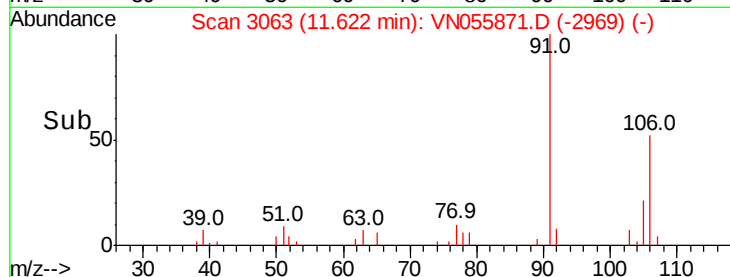
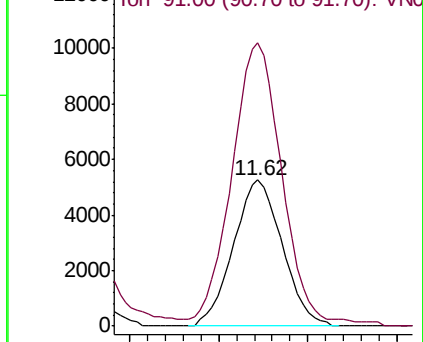
#68  
m/p-Xylenes  
Concen: 1.560 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055871.D  
Acq: 29 May 2019 12:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-14-1.5-2.0ME

Tot Ion:106 Resp: 10032  
Ion Ratio Lower Upper  
106 100  
91 201.7 159.3 238.9

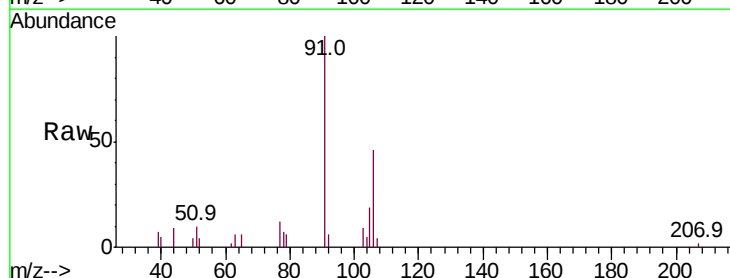


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

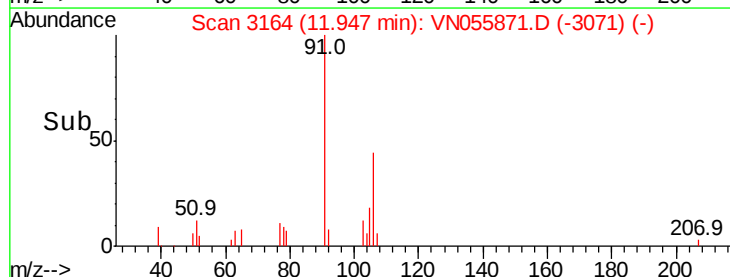
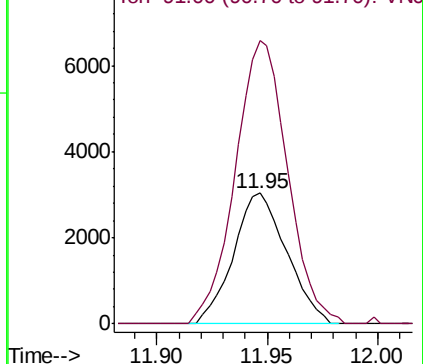


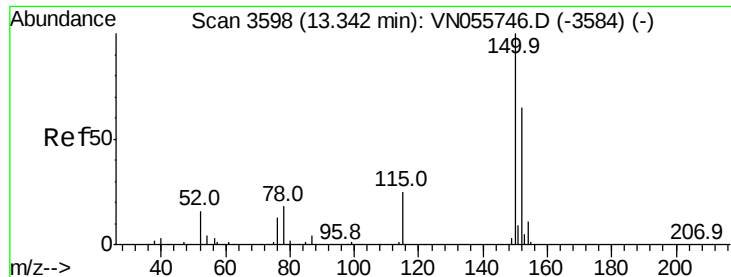
#69  
o-Xylene  
Concen: 0.796 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055871.D  
Acq: 29 May 2019 12:28

Tgt Ion:106 Resp: 5076  
Ion Ratio Lower Upper  
106 100  
91 213.7 104.7 314.1



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

Instrument :

MSVOA\_N

ClientSampleId :

B-14-1.5-2.0ME

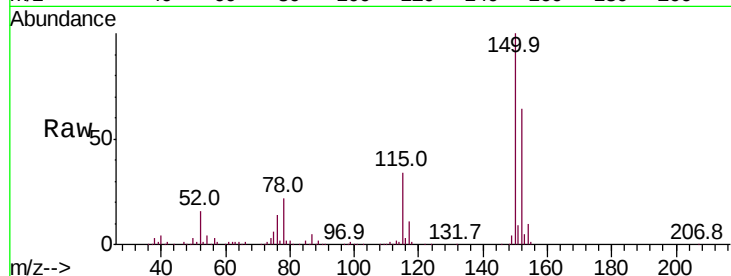
Tot Ion:152 Resp: 196554

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

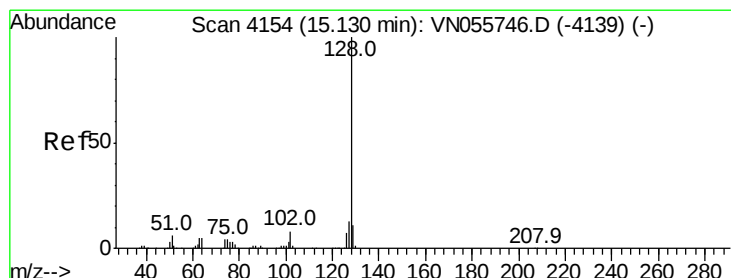
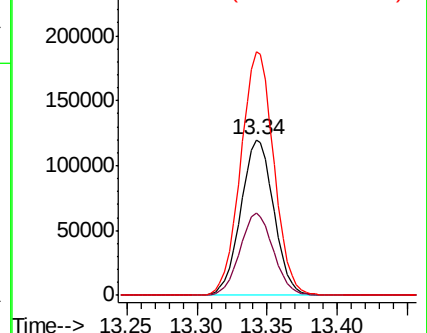
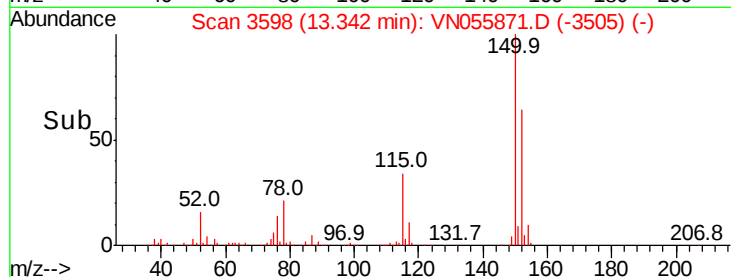
150 157.0 0.0 343.2



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: 3.211 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055871.D

Acq: 29 May 2019 12:28

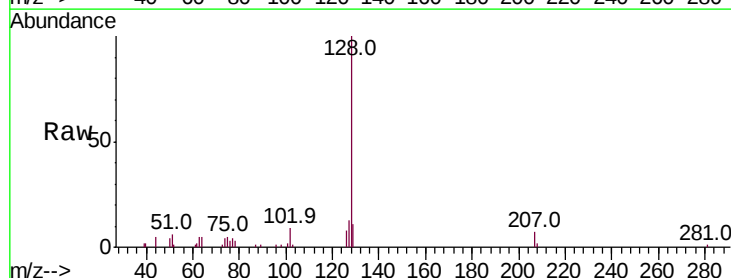
Tgt Ion:128 Resp: 29195

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

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

