

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\  
 Data File : VX013584.D  
 Acq On : 25 Nov 2019 16:23  
 Operator : JC/SP  
 Sample : K5959-09ME  
 Misc : 3.32G/10ML/100UL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WS-112019-0-1-GRAB-B2ME

Quant Time: Nov 26 08:12:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

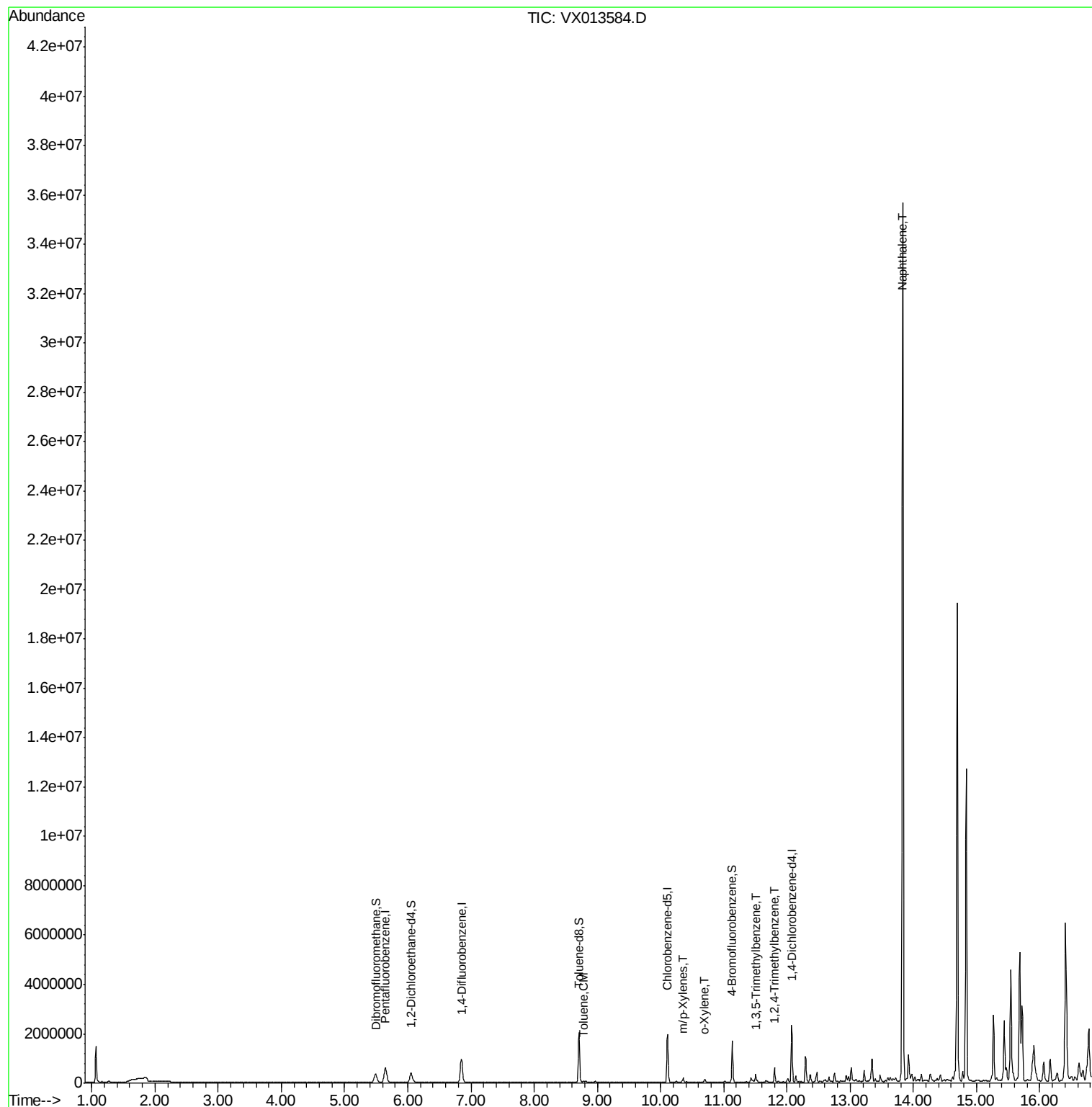
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 5.65   | 168  | 626291   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 1007512  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 912181   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07  | 152  | 480038   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65   | 366229   | 49.36   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 98.72%  |          |
| 35) Dibromofluoromethane    | 5.49   | 113  | 292856   | 46.34   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 92.68%  |          |
| 50) Toluene-d8              | 8.71   | 98   | 1212862  | 50.91   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 101.82% |          |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 431742   | 50.22   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 100.44% |          |
| Target Compounds            |        |      |          |         |         |          |
| 52) Toluene                 | 8.78   | 92   | 17948    | 1.076   | ug/l    | 92       |
| 68) m/p-Xylenes             | 10.36  | 106  | 45484    | 3.773   | ug/l    | 94       |
| 69) o-Xylene                | 10.70  | 106  | 29577    | 2.506   | ug/l    | 96       |
| 80) 1,3,5-Trimethylbenzene  | 11.50  | 105  | 138570   | 5.227   | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.81  | 105  | 256165   | 9.633   | ug/l    | 97       |
| 95) Naphthalene             | 13.82  | 128  | 15845191 | 478.902 | ug/l #  | 73       |

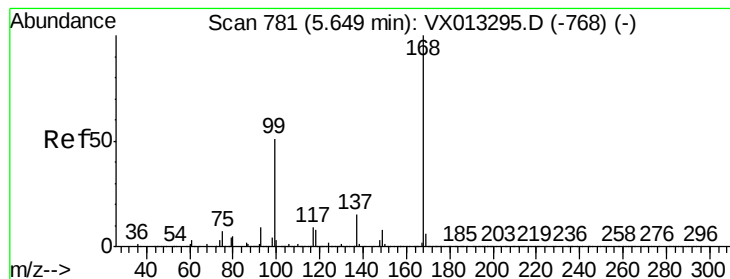
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112519\  
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MSVOA\_X  
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WS-112019-0-1-GRAB-B2ME

Quant Time: Nov 26 08:12:16 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

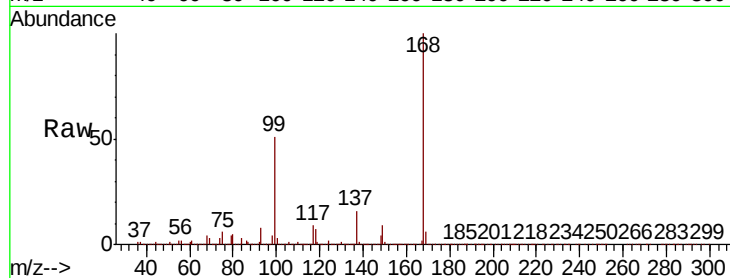
WS-112019-0-1-GRAB-B2ME

Tot Ion:168 Resp: 626291

Ion Ratio Lower Upper

168 100

99 50.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

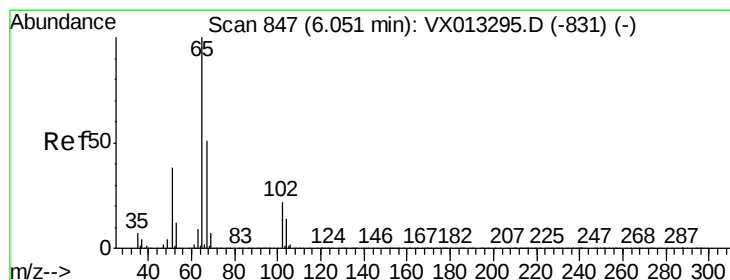
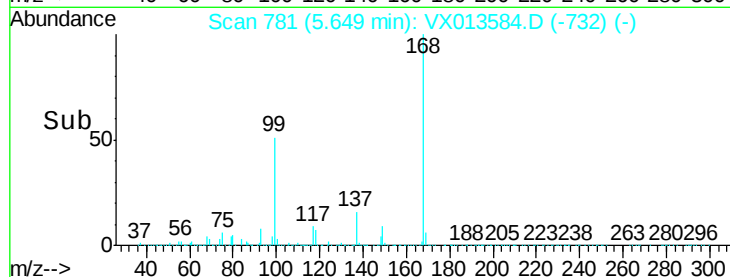
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.359 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013584.D

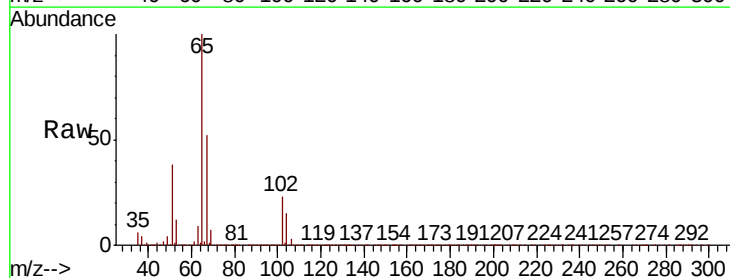
Acq: 25 Nov 2019 16:23

Tgt Ion: 65 Resp: 366229

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

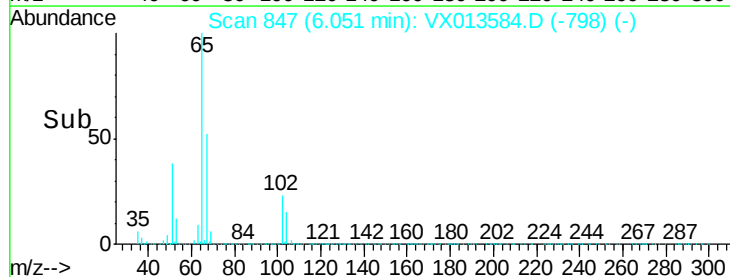
150000

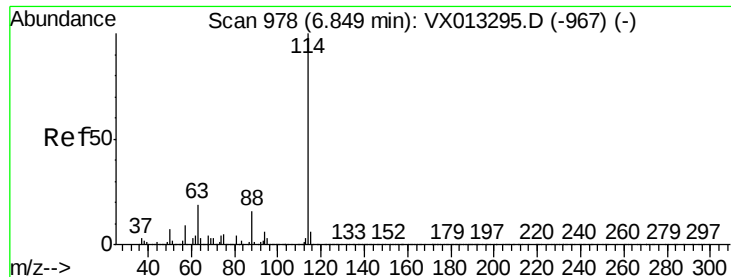
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

WS-112019-0-1-GRAB-B2ME

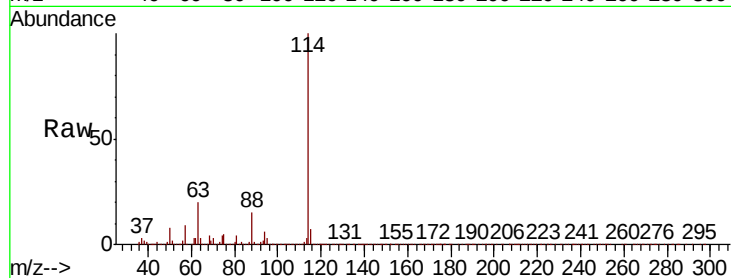
Tot Ion:114 Resp: 1007512

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

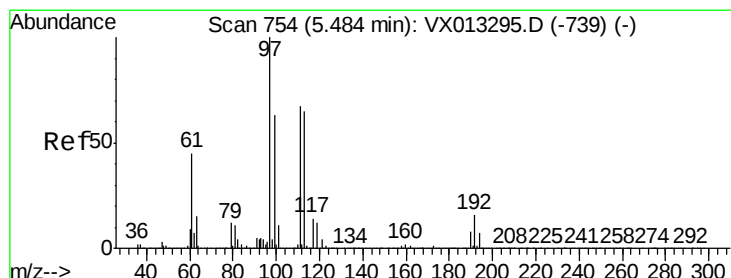
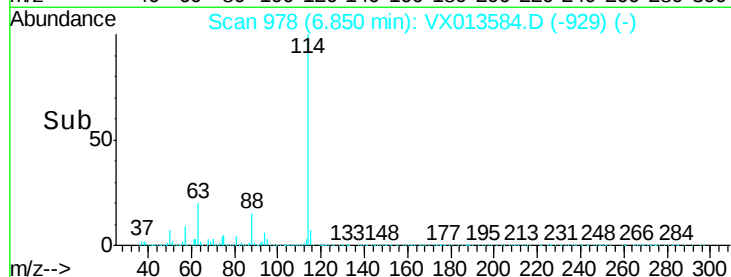
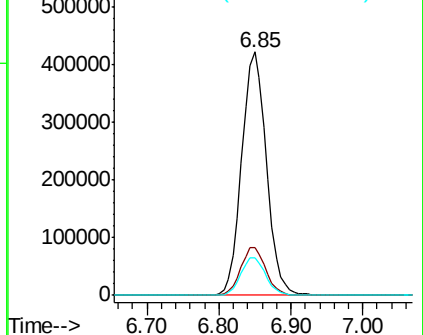
88 15.2 0.0 32.2



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: 46.344 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

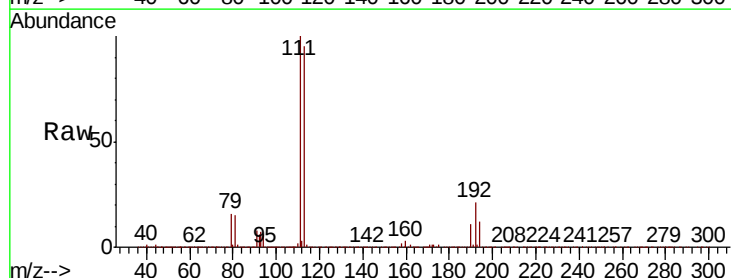
Tgt Ion:113 Resp: 292856

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

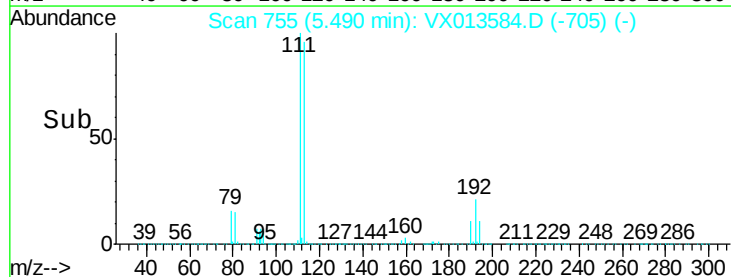
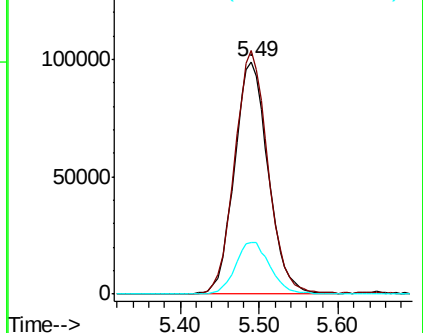
192 23.2 19.1 28.7

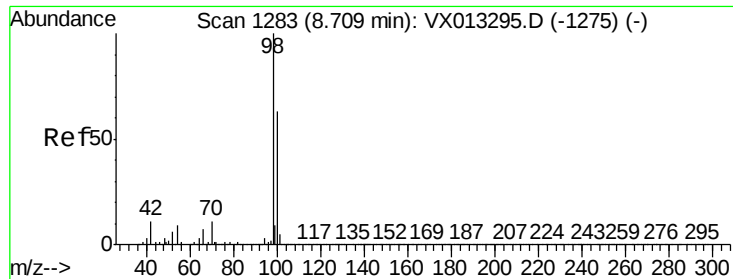


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.912 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

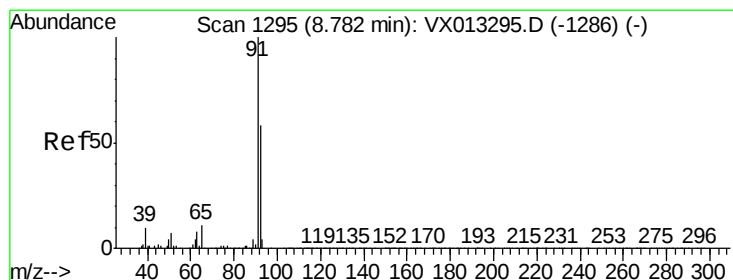
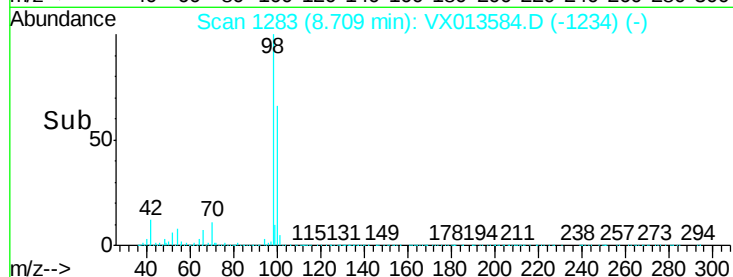
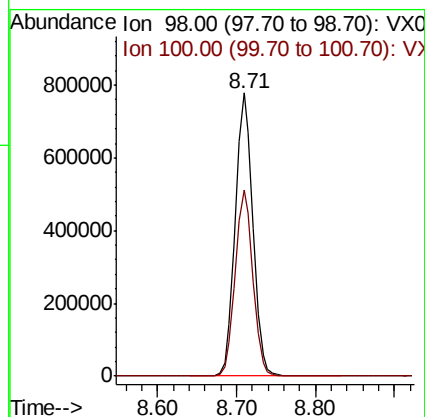
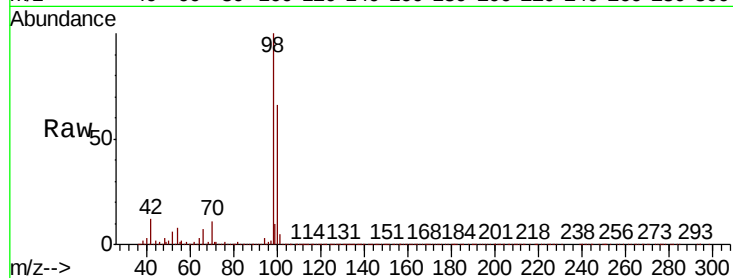
WS-112019-0-1-GRAB-B2ME

Tot Ion: 98 Resp: 1212862

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2



#52

Toluene

Concen: 1.076 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013584.D

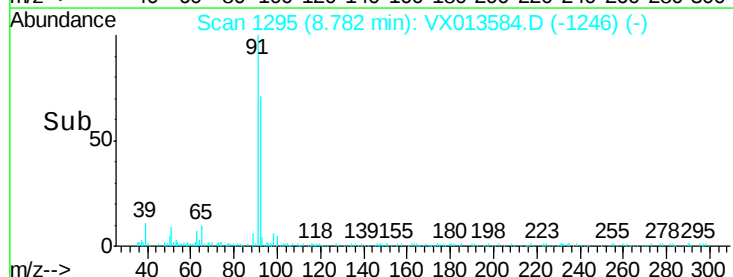
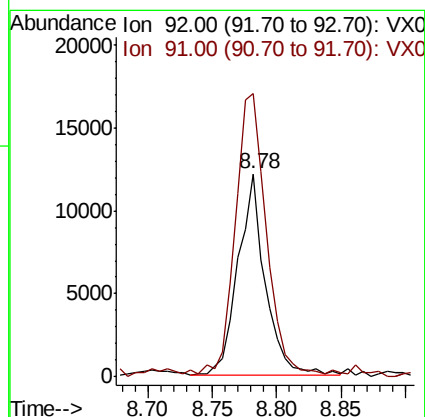
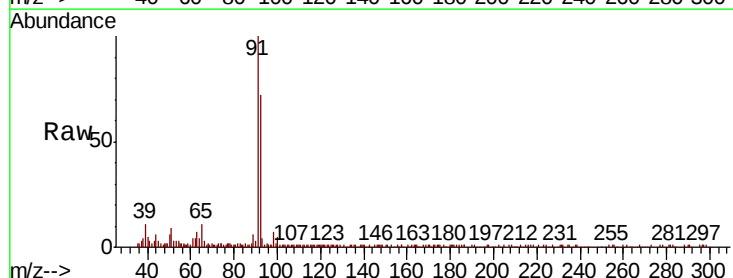
Acq: 25 Nov 2019 16:23

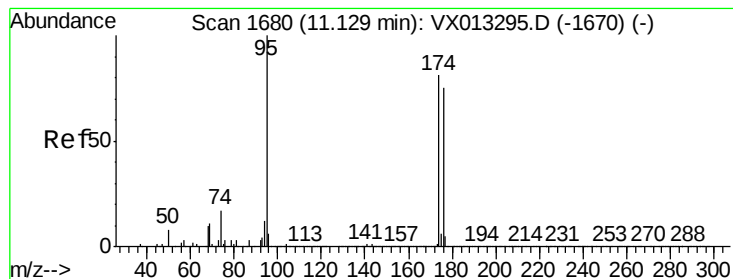
Tgt Ion: 92 Resp: 17948

Ion Ratio Lower Upper

92 100

91 161.6 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 50.215 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

WS-112019-0-1-GRAB-B2ME

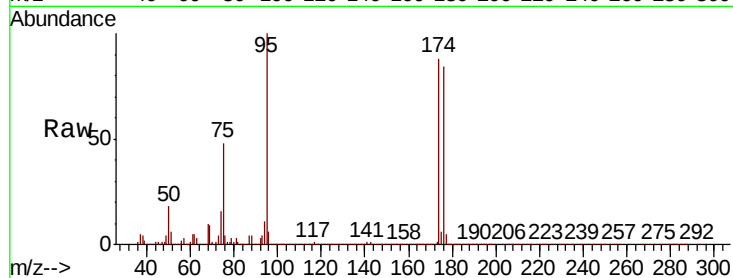
Tot Ion: 95 Resp: 431742

Ion Ratio Lower Upper

95 100

174 88.7 0.0 179.8

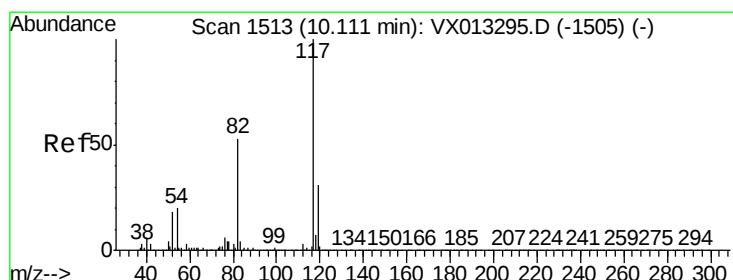
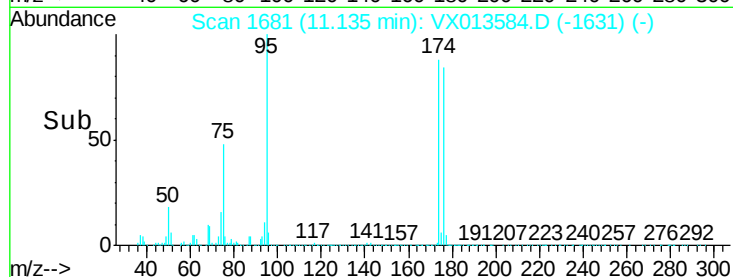
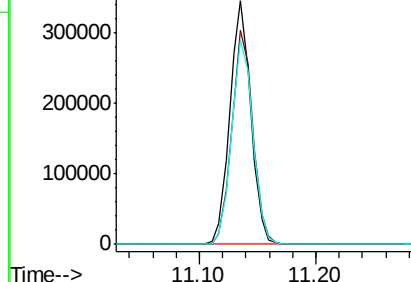
176 85.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX013295.D (-1670) (-)

Ion 173.80 (173.50 to 174.50): VX013295.D (-1670) (-)

Ion 175.80 (175.50 to 176.50): VX013295.D (-1670) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

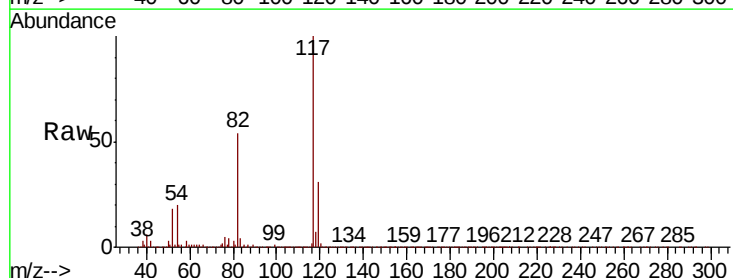
Tgt Ion: 117 Resp: 912181

Ion Ratio Lower Upper

117 100

82 53.9 42.6 64.0

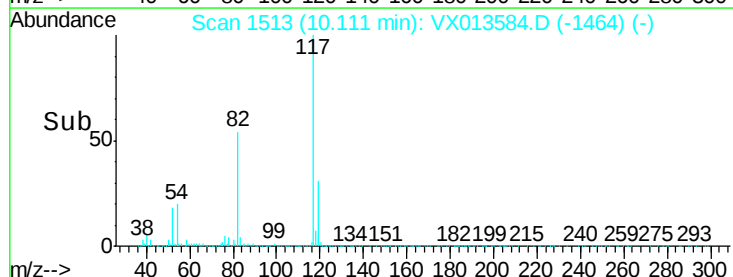
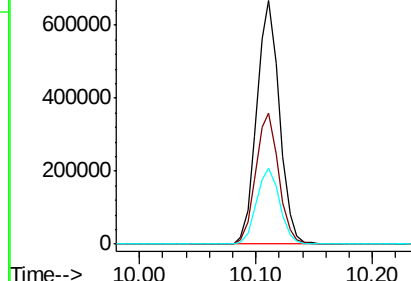
119 31.3 24.8 37.2

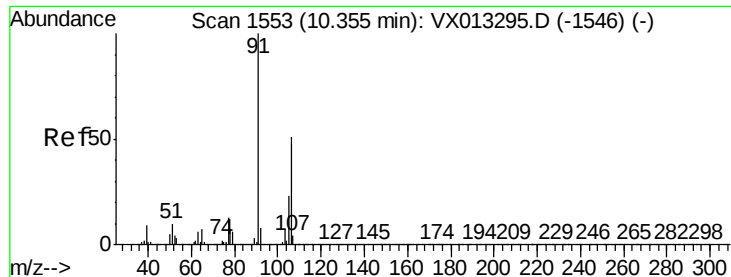


Abundance Ion 116.90 (116.60 to 117.60): VX013295.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX013295.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX013295.D (-1505) (-)

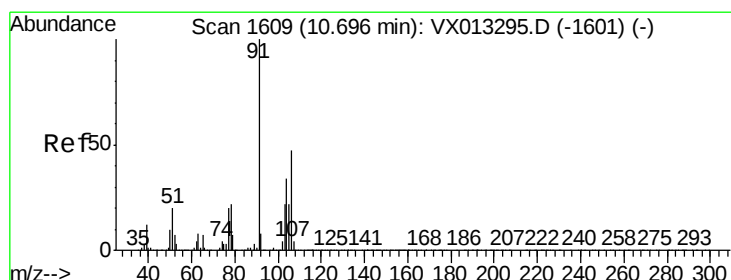
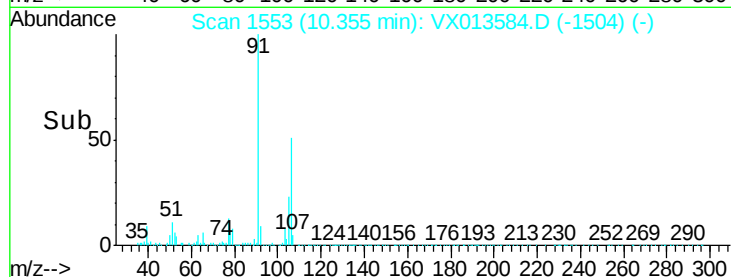
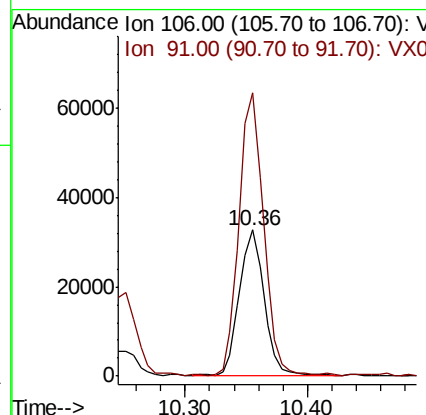
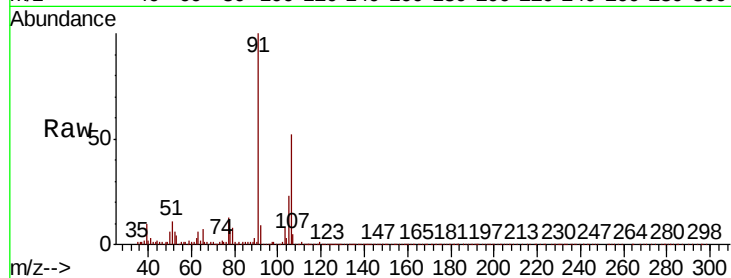




#68  
m/p-Xylenes  
Concen: 3.773 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX013584.D  
Acq: 25 Nov 2019 16:23

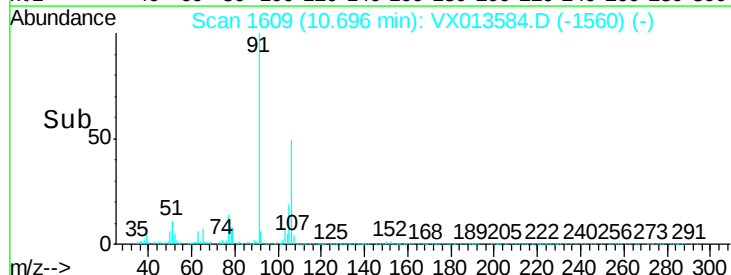
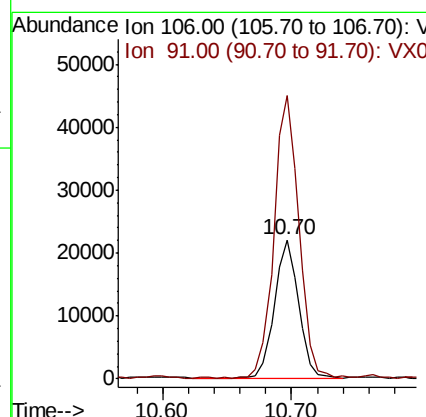
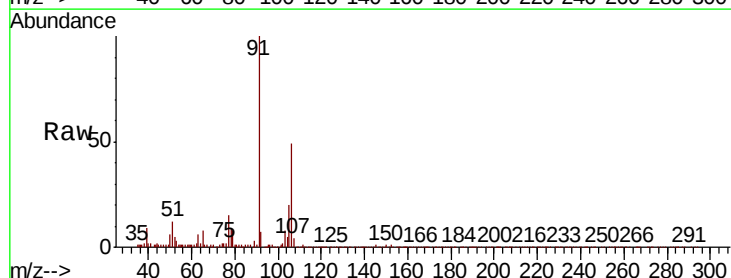
Instrument :  
MSVOA\_X  
ClientSampleId :  
WS-112019-0-1-GRAB-B2ME

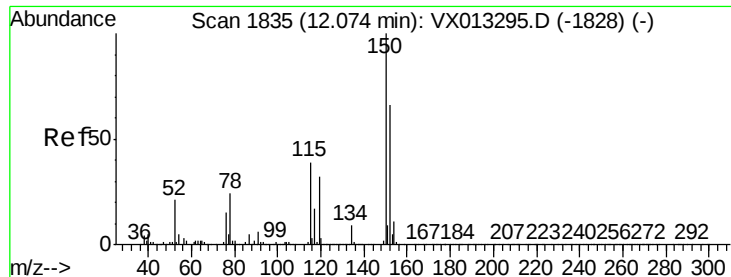
Tot Ion:106 Resp: 45484  
Ion Ratio Lower Upper  
106 100  
91 190.3 159.3 238.9



#69  
o-Xylene  
Concen: 2.506 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX013584.D  
Acq: 25 Nov 2019 16:23

Tgt Ion:106 Resp: 29577  
Ion Ratio Lower Upper  
106 100  
91 204.9 105.7 317.0

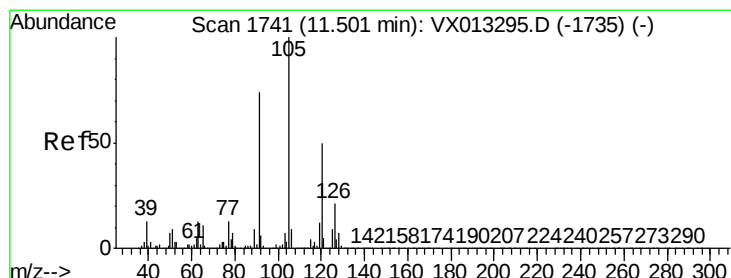
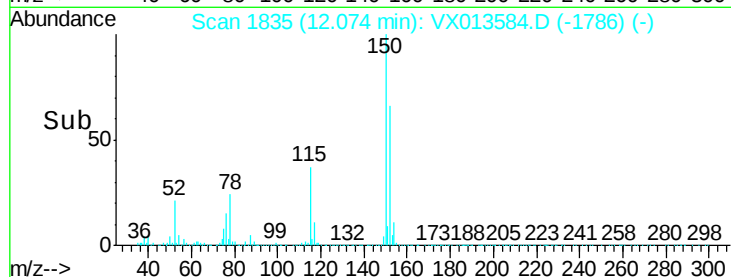
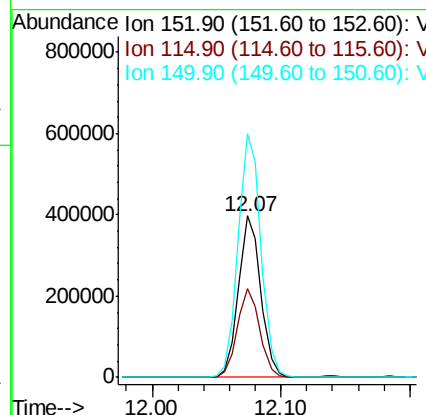
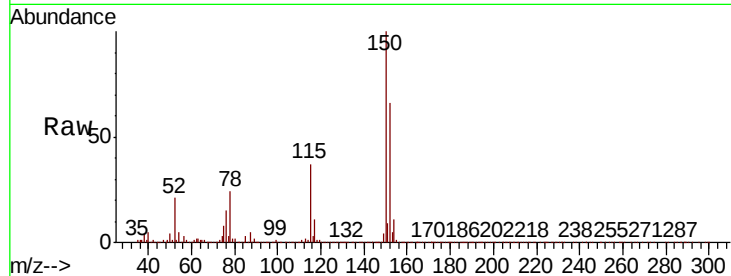




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX013584.D  
 Acq: 25 Nov 2019 16:23

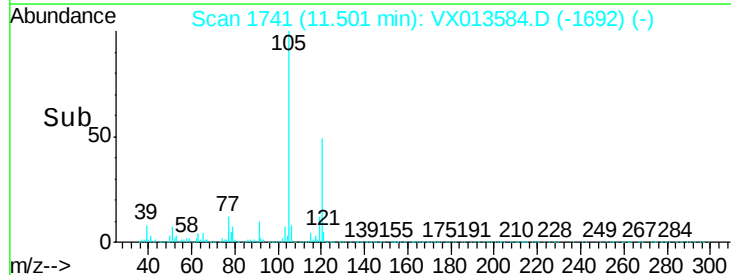
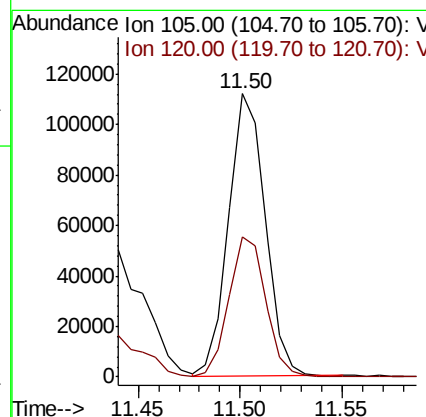
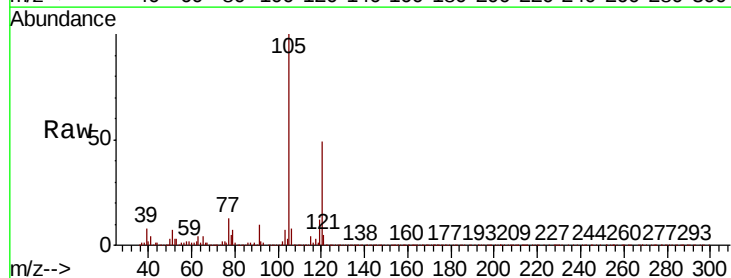
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WS-112019-0-1-GRAB-B2ME

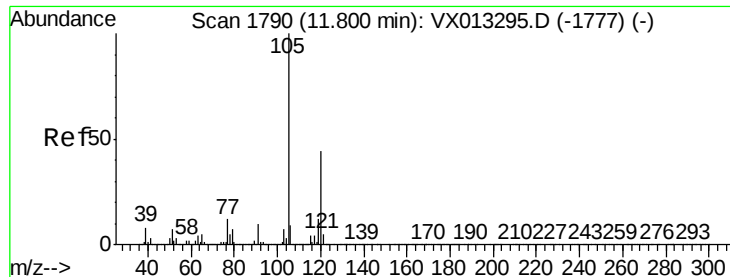
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.9  | 39.5  | 118.3 |
| 150     | 154.6 | 0.0   | 344.4 |



#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.227 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX013584.D  
 Acq: 25 Nov 2019 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 49.4  | 24.9  | 74.8  |





#84

1,2,4-Trimethylbenzene

Concen: 9.633 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

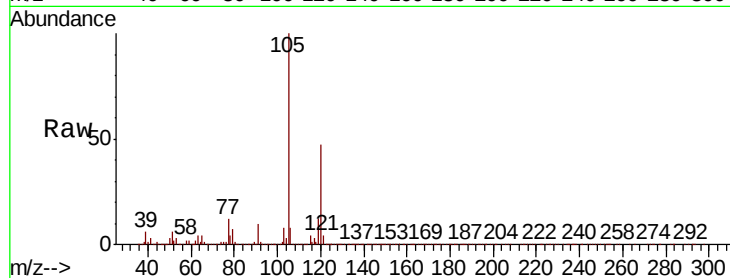
WS-112019-0-1-GRAB-B2ME

Tot Ion:105 Resp: 256165

Ion Ratio Lower Upper

105 100

120 47.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

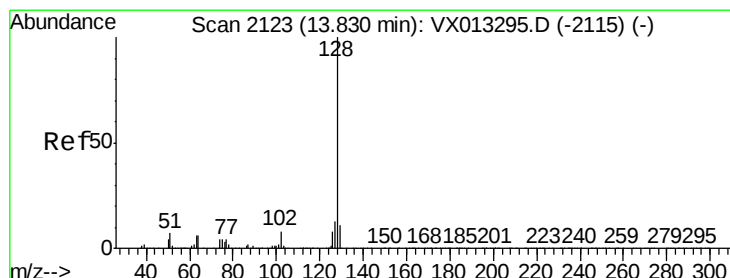
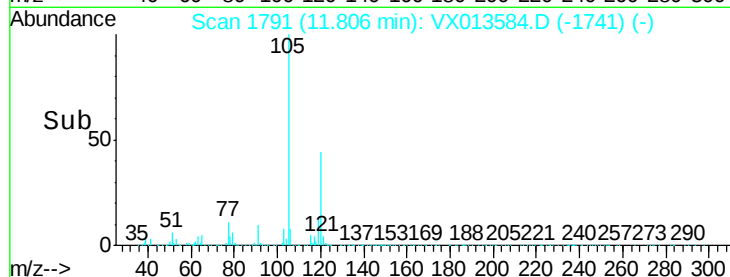
100000

50000

0

11.70 11.81 11.90

Time-->



#95

Naphthalene

Concen: 478.902 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX013584.D

Acq: 25 Nov 2019 16:23

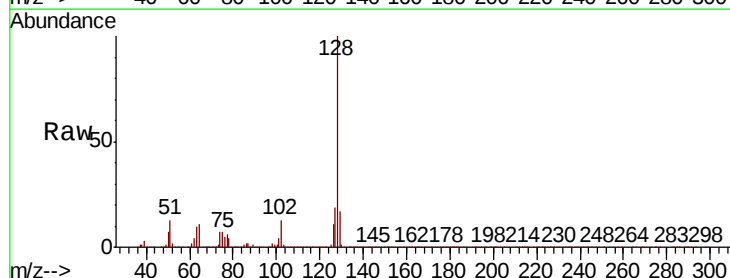
Tgt Ion:128 Resp:15845191

Ion Ratio Lower Upper

128 100

127 23.6 10.2 15.2#

129 20.8 8.5 12.7#



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

1e+07

8000000

6000000

4000000

2000000

0

13.70 13.82 13.90 14.00

Time-->

