

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\  
 Data File : VF062887.D  
 Acq On : 6 Jun 2019 17:23  
 Operator : FY/SY  
 Sample : K3160-01  
 Misc : 6.35g/5mL/MSVOA F/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EO-02-060619-A

Quant Time: Jun 07 02:11:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F053019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 31 04:18:30 2019  
 Response via : Initial Calibration

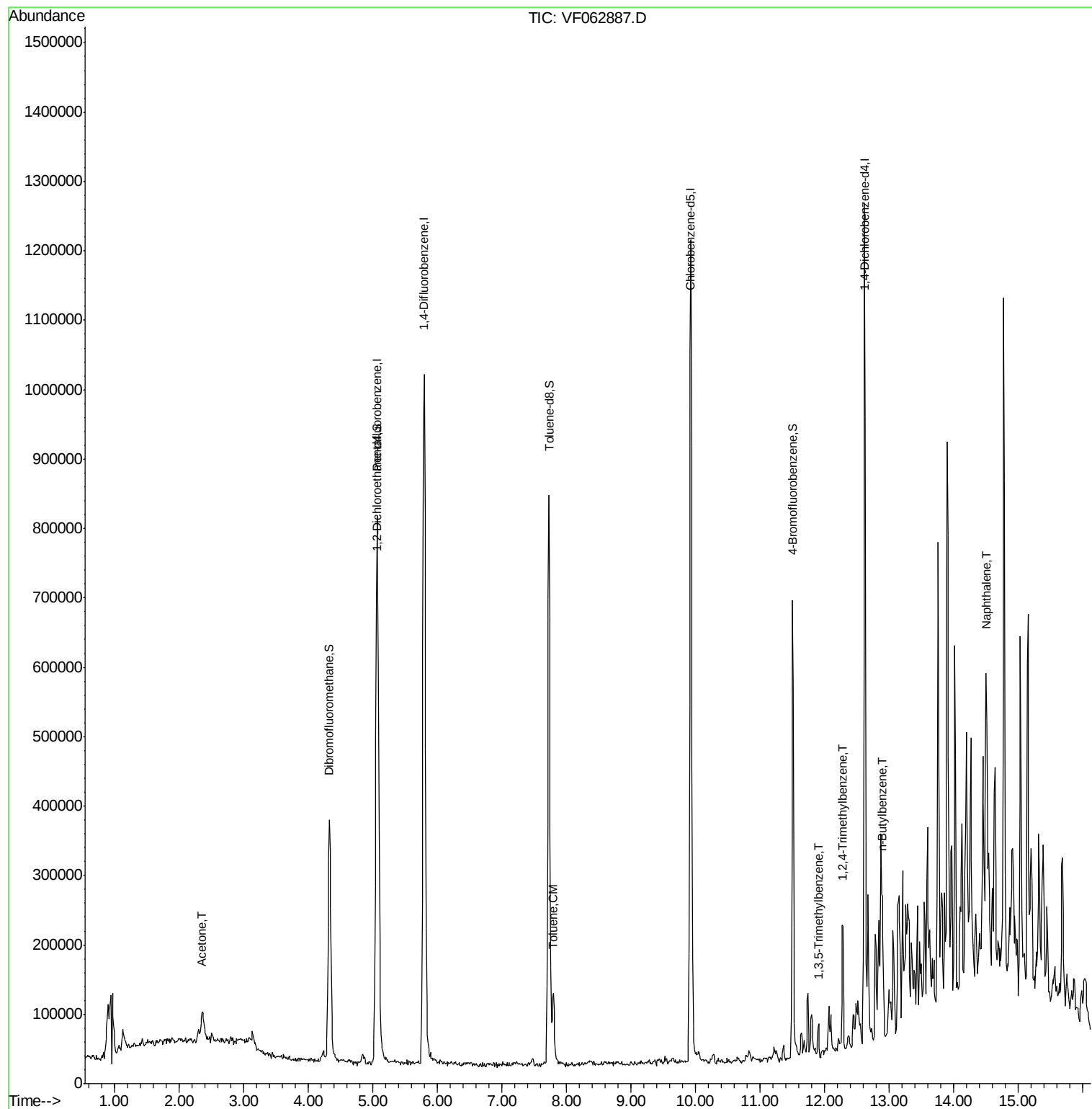
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.08  | 168  | 733452   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.80  | 114  | 1284043  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.93  | 117  | 929496   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.62 | 152  | 309797   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.05  | 65   | 202796   | 39.98  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 79.96% |          |
| 35) Dibromofluoromethane    | 4.33  | 113  | 342799   | 35.33  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 70.66% |          |
| 50) Toluene-d8              | 7.73  | 98   | 714539   | 29.12  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 58.24% |          |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 244287   | 27.68  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 55.36% |          |
| Target Compounds            |       |      |          |        |        |          |
|                             |       |      |          |        | Qvalue |          |
| 16) Acetone                 | 2.37  | 43   | 37793    | 32.557 | ug/l   | 92       |
| 52) Toluene                 | 7.80  | 92   | 53892    | 2.908  | ug/l   | 82       |
| 80) 1,3,5-Trimethylbenzene  | 11.90 | 105  | 22065    | 1.248  | ug/l   | 83       |
| 84) 1,2,4-Trimethylbenzene  | 12.28 | 105  | 73945    | 4.412  | ug/l   | 97       |
| 89) n-Butylbenzene          | 12.90 | 91   | 44739    | 2.315  | ug/l   | 78       |
| 95) Naphthalene             | 14.50 | 128  | 129877   | 13.714 | ug/l # | 90       |

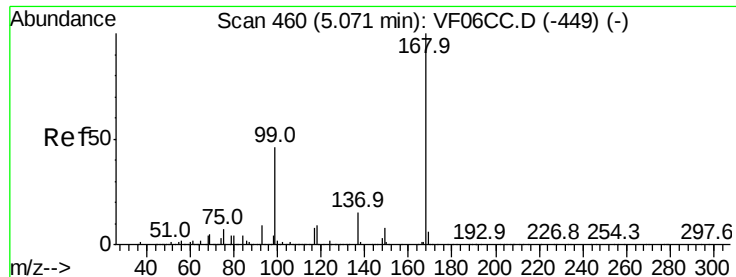
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\  
Data File : VF062887.D  
Acq On : 6 Jun 2019 17:23  
Operator : FY/SY  
Sample : K3160-01  
Misc : 6.35g/5mL/MSVOA F/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-060619-A

Quant Time: Jun 07 02:11:23 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F053019S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 31 04:18:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

Instrument :

MSVOA\_F

ClientSampleId :

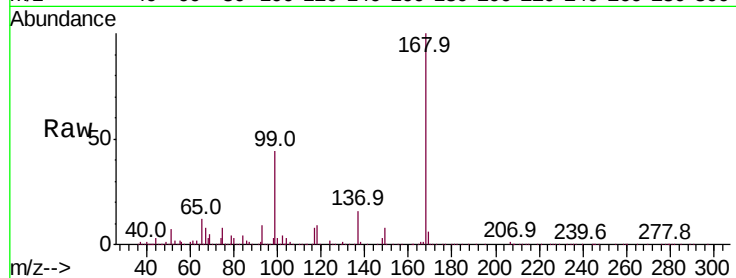
EO-02-060619-A

Tot Ion:168 Resp: 733452

Ion Ratio Lower Upper

168 100

99 44.4 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

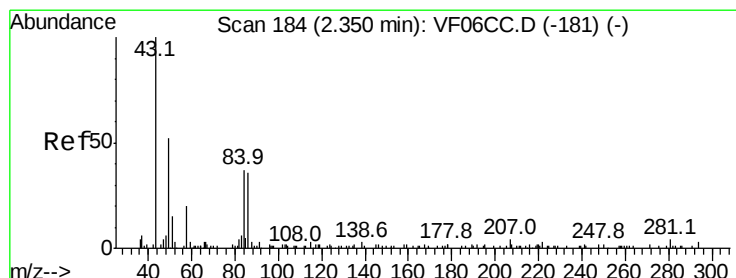
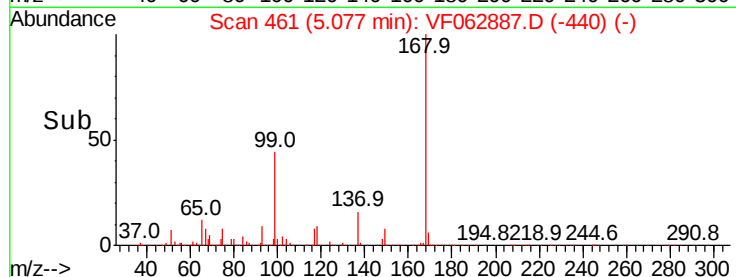
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 32.557 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062887.D

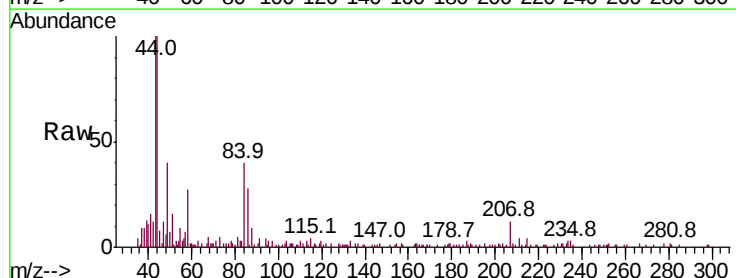
Acq: 6 Jun 2019 17:23

Tgt Ion: 43 Resp: 37793

Ion Ratio Lower Upper

43 100

58 27.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.37

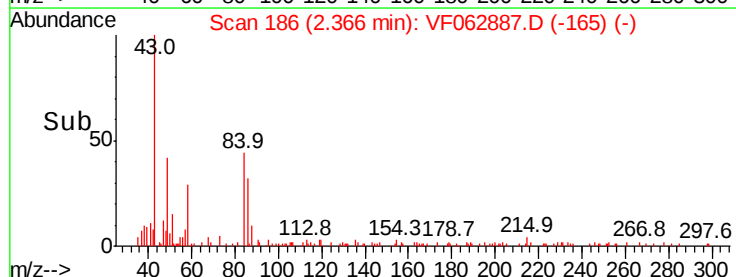
15000

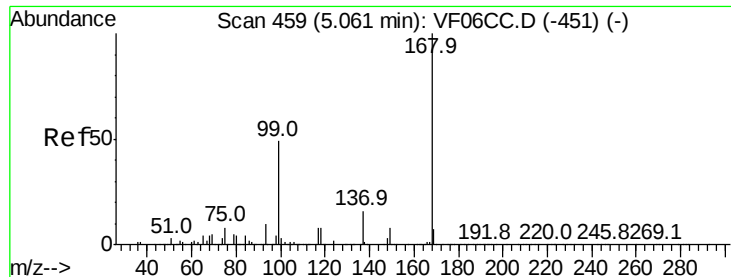
10000

5000

0

Time--> 2.20 2.30 2.40 2.50





#33

1,2-Dichloroethane-d4

Concen: 39.984 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

Instrument :

MSVOA\_F

ClientSampleId :

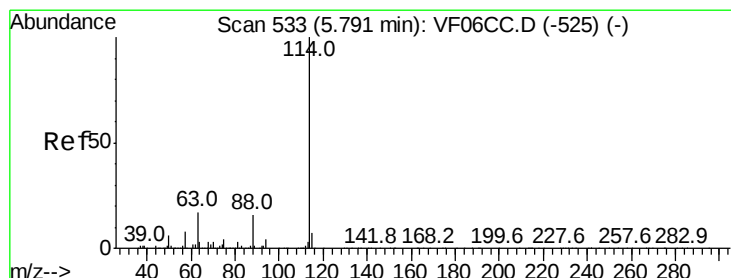
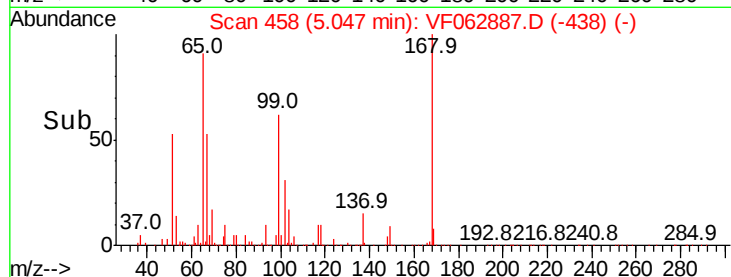
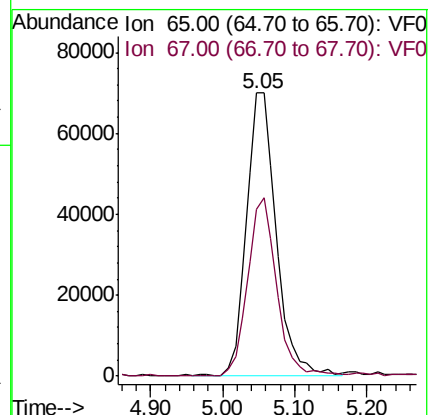
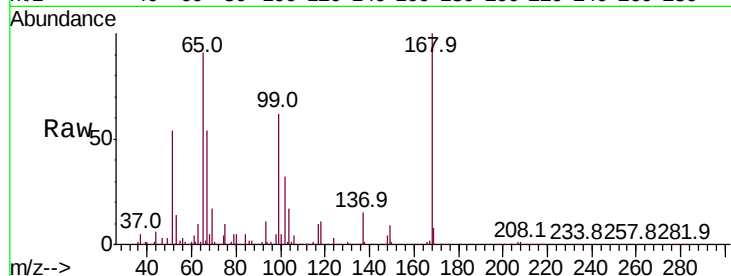
EO-02-060619-A

Tot Ion: 65 Resp: 202796

Ion Ratio Lower Upper

65 100

67 58.8 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

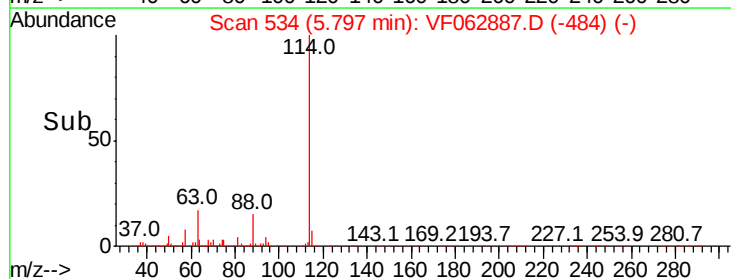
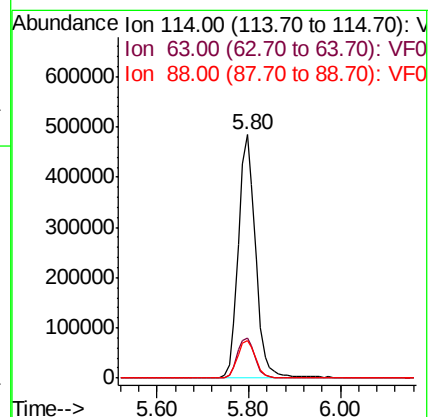
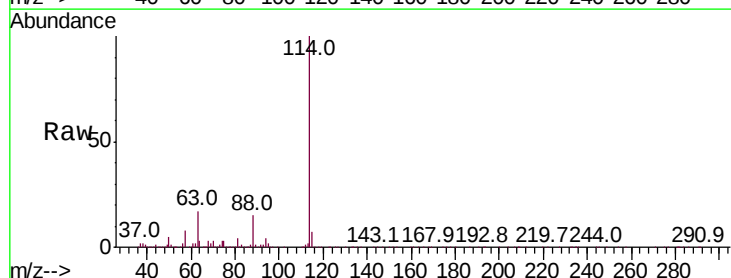
Tgt Ion: 114 Resp: 1284043

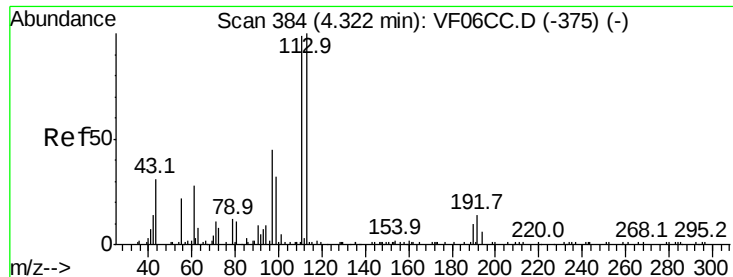
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 35.330 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

Instrument :

MSVOA\_F

ClientSampleId :

EO-02-060619-A

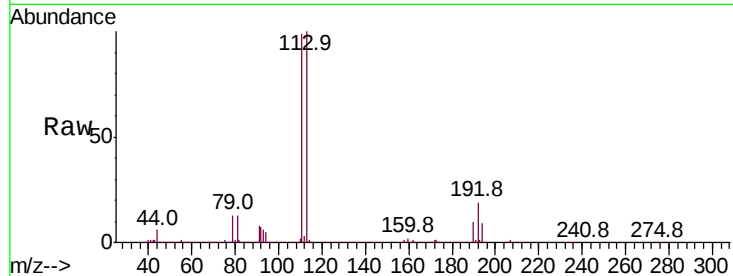
Tot Ion:113 Resp: 342799

Ion Ratio Lower Upper

113 100

111 98.7 81.9 122.9

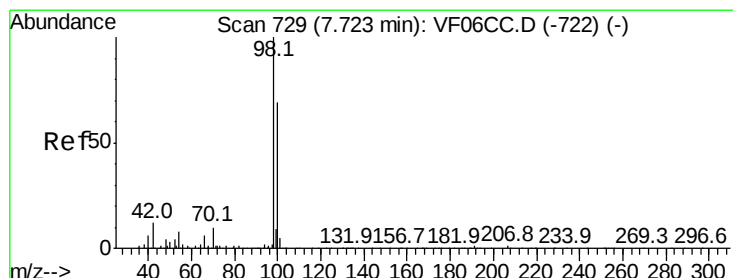
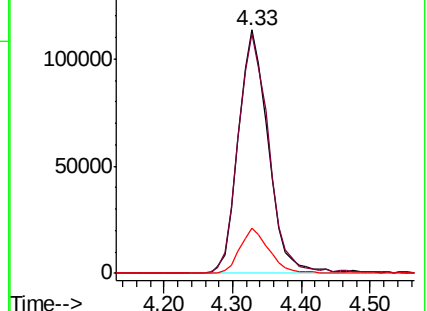
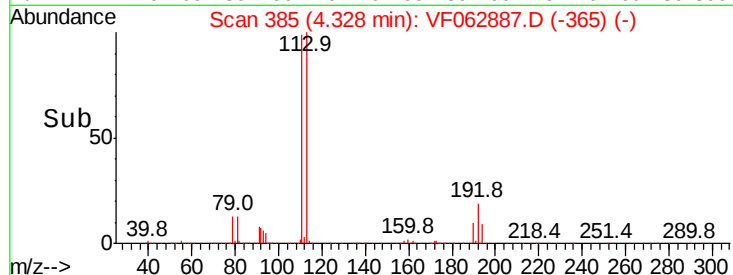
192 18.6 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 29.122 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062887.D

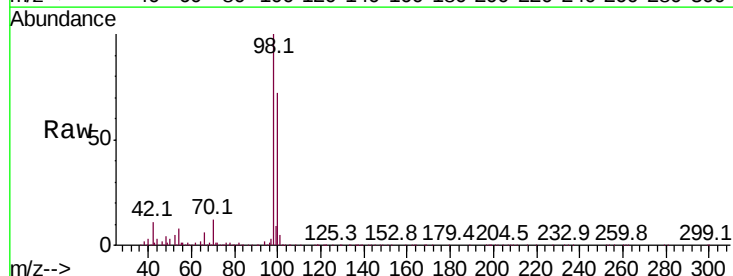
Acq: 6 Jun 2019 17:23

Tgt Ion: 98 Resp: 714539

Ion Ratio Lower Upper

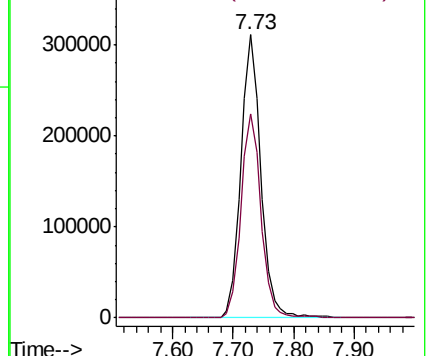
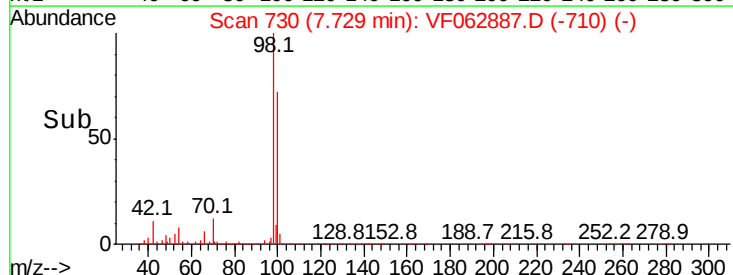
98 100

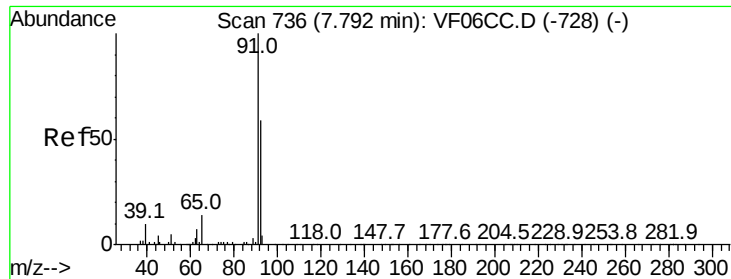
100 72.2 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 2.908 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

Instrument :

MSVOA\_F

ClientSampleId :

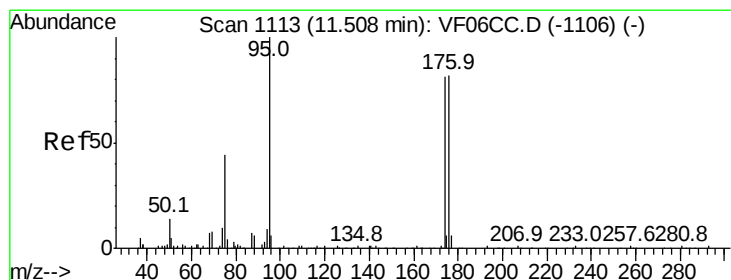
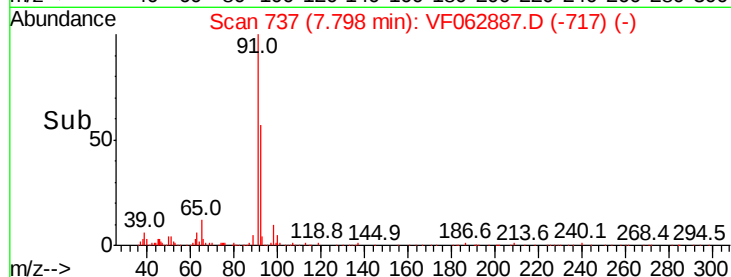
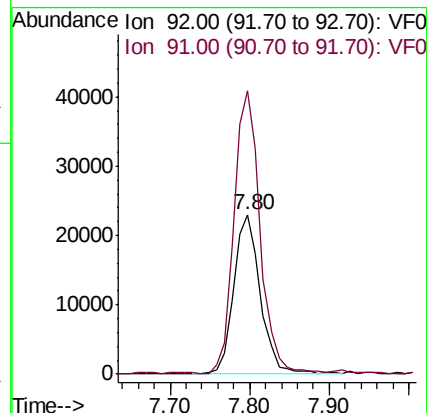
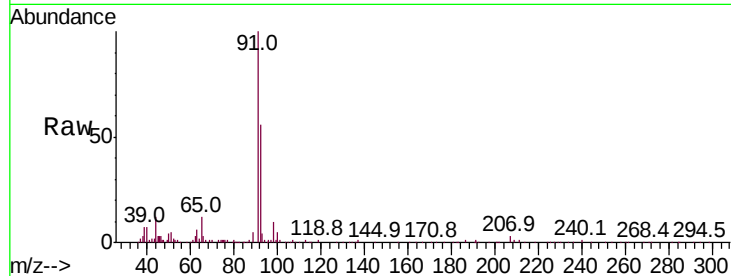
EO-02-060619-A

Tot Ion: 92 Resp: 53892

Ion Ratio Lower Upper

92 100

91 177.1 123.2 184.8



#62

4-Bromofluorobenzene

Concen: 27.678 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

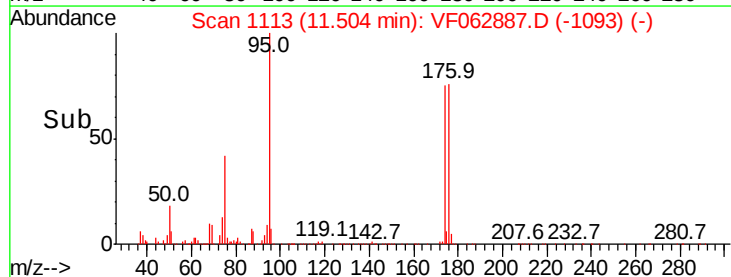
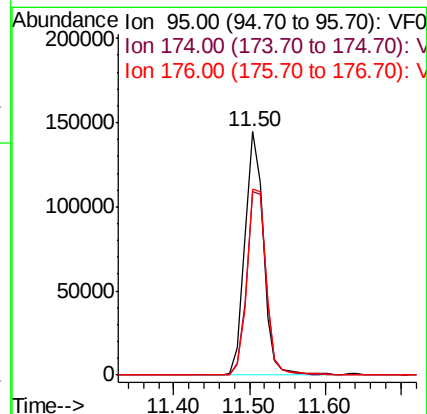
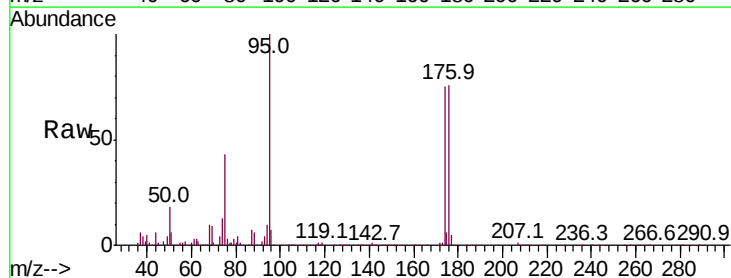
Tgt Ion: 95 Resp: 244287

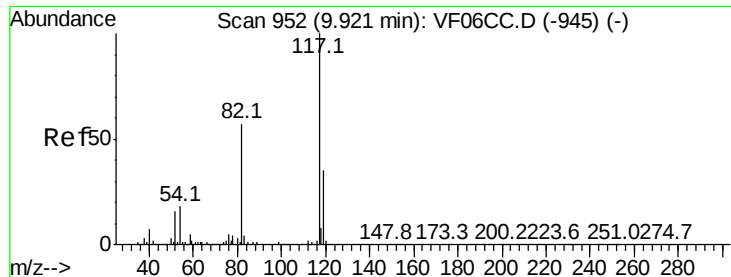
Ion Ratio Lower Upper

95 100

174 75.1 0.0 170.6

176 76.5 0.0 170.6

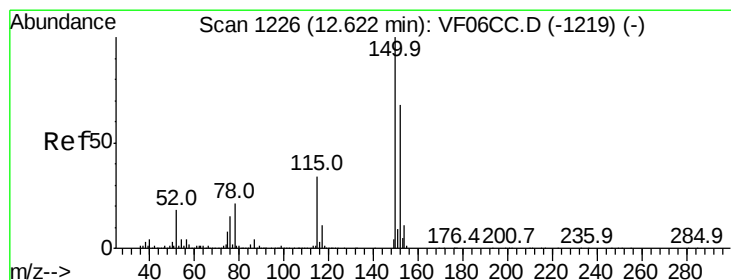
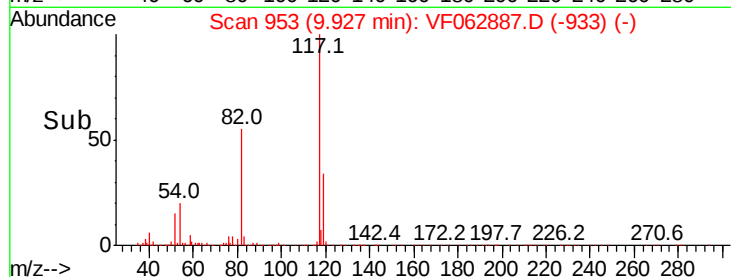
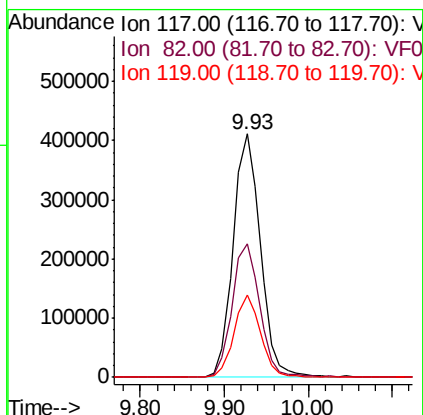
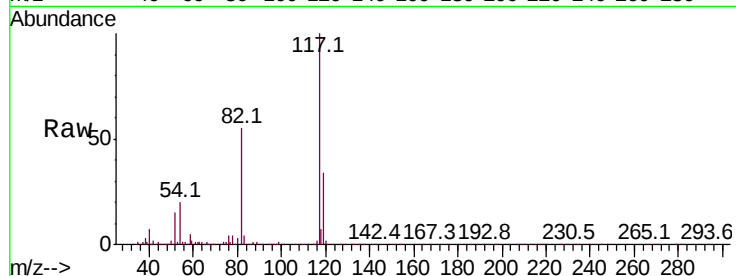




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: VF062887.D  
Acq: 6 Jun 2019 17:23

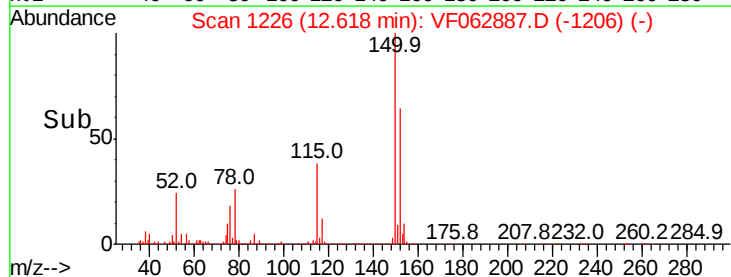
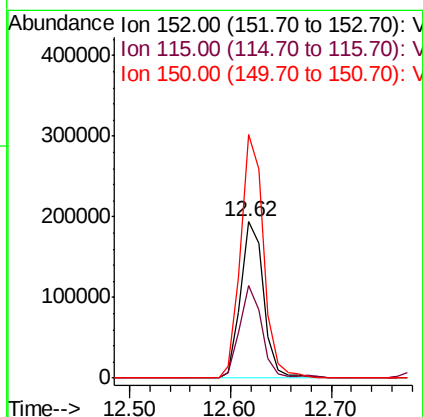
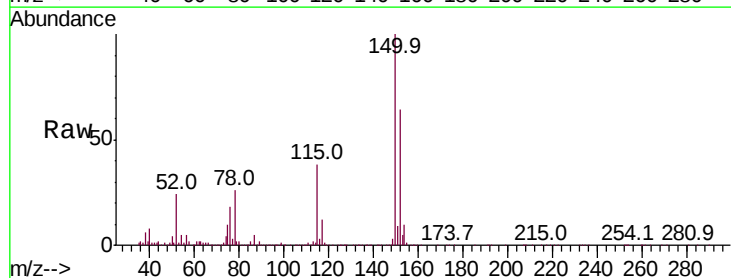
Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-060619-A

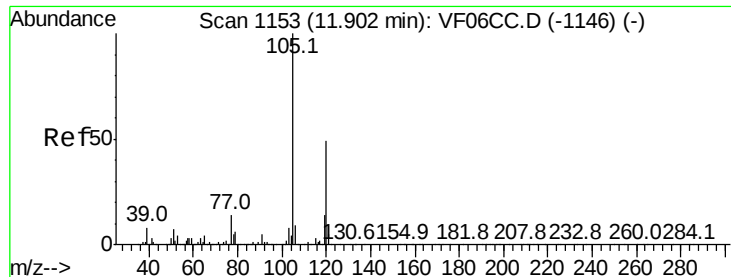
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.9  | 42.4  | 63.6  |
| 119     | 33.6  | 27.1  | 40.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.62 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: VF062887.D  
Acq: 6 Jun 2019 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.5  | 24.6  | 74.0  |
| 150     | 156.0 | 0.0   | 290.6 |





#80

1,3,5-Trimethylbenzene

Concen: 1.248 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF062887.D

Acq: 6 Jun 2019 17:23

Instrument :

MSVOA\_F

ClientSampleId :

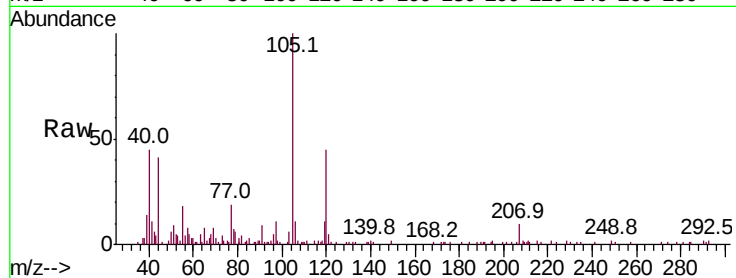
EO-02-060619-A

Tot Ion:105 Resp: 22065

Ion Ratio Lower Upper

105 100

120 44.6 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

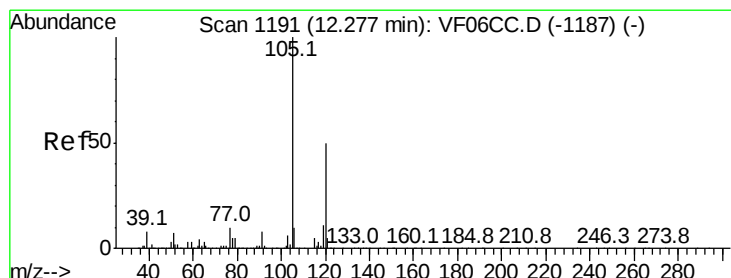
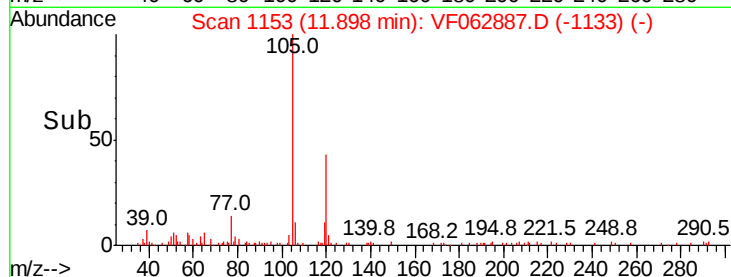
11000

5000

0

11.85 11.90 11.95

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 4.412 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062887.D

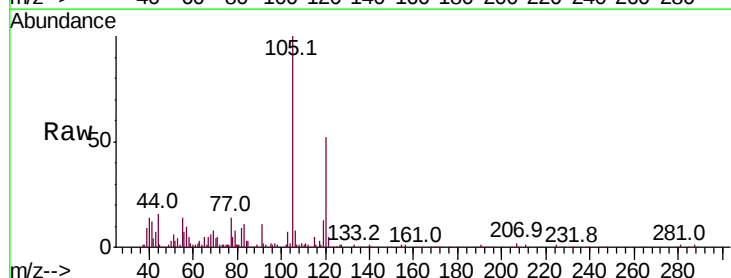
Acq: 6 Jun 2019 17:23

Tgt Ion:105 Resp: 73945

Ion Ratio Lower Upper

105 100

120 52.1 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

50000

40000

30000

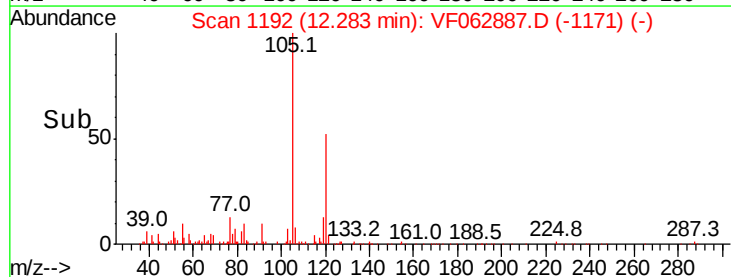
20000

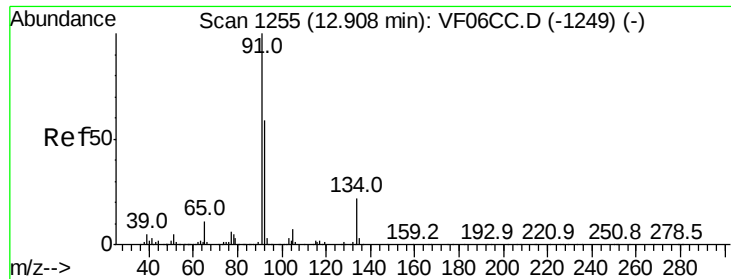
10000

0

12.20 12.30

Time-->

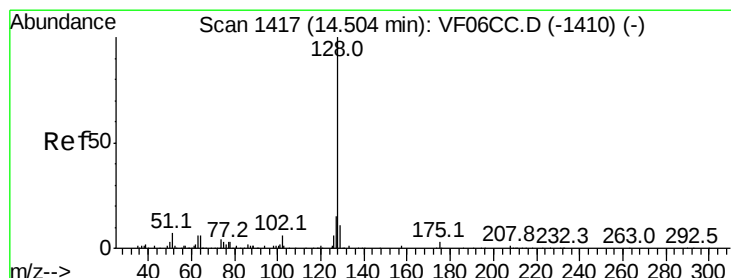
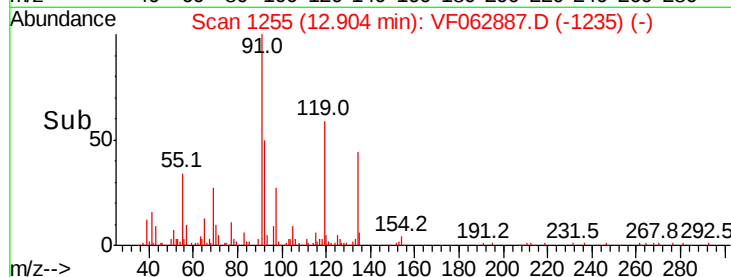
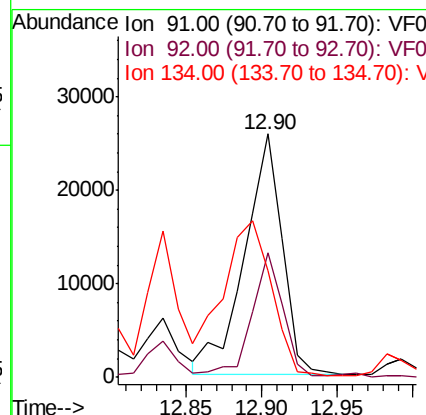
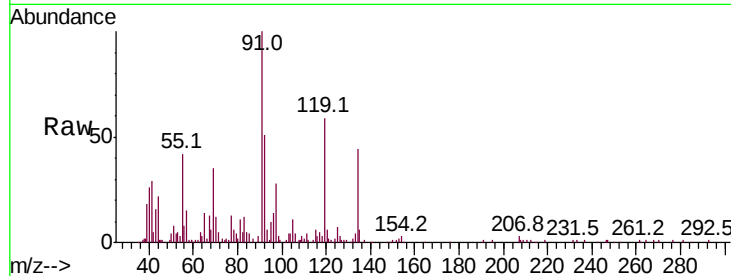




#89  
n-Butylbenzene  
Concen: 2.315 ug/l  
RT: 12.90 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: VF062887.D  
Acq: 6 Jun 2019 17:23

Instrument :  
MSVOA\_F  
ClientSampleId :  
EO-02-060619-A

Tot Ion: 91 Resp: 44739  
Ion Ratio Lower Upper  
91 100  
92 51.2 34.2 102.6  
134 43.8 15.8 47.3



#95  
Naphthalene  
Concen: 13.714 ug/l  
RT: 14.50 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: VF062887.D  
Acq: 6 Jun 2019 17:23

Tgt Ion: 128 Resp: 129877  
Ion Ratio Lower Upper  
128 100  
127 12.8 9.7 14.5  
129 18.6 9.4 14.2#

