

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\  
 Data File : VU034099.D  
 Acq On : 30 Aug 2019 15:30  
 Operator : JC/SP  
 Sample : K4620-01ME  
 Misc : 6.48g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 S500-K2-19.5-20.0-082919ME

Quant Time: Aug 30 17:44:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

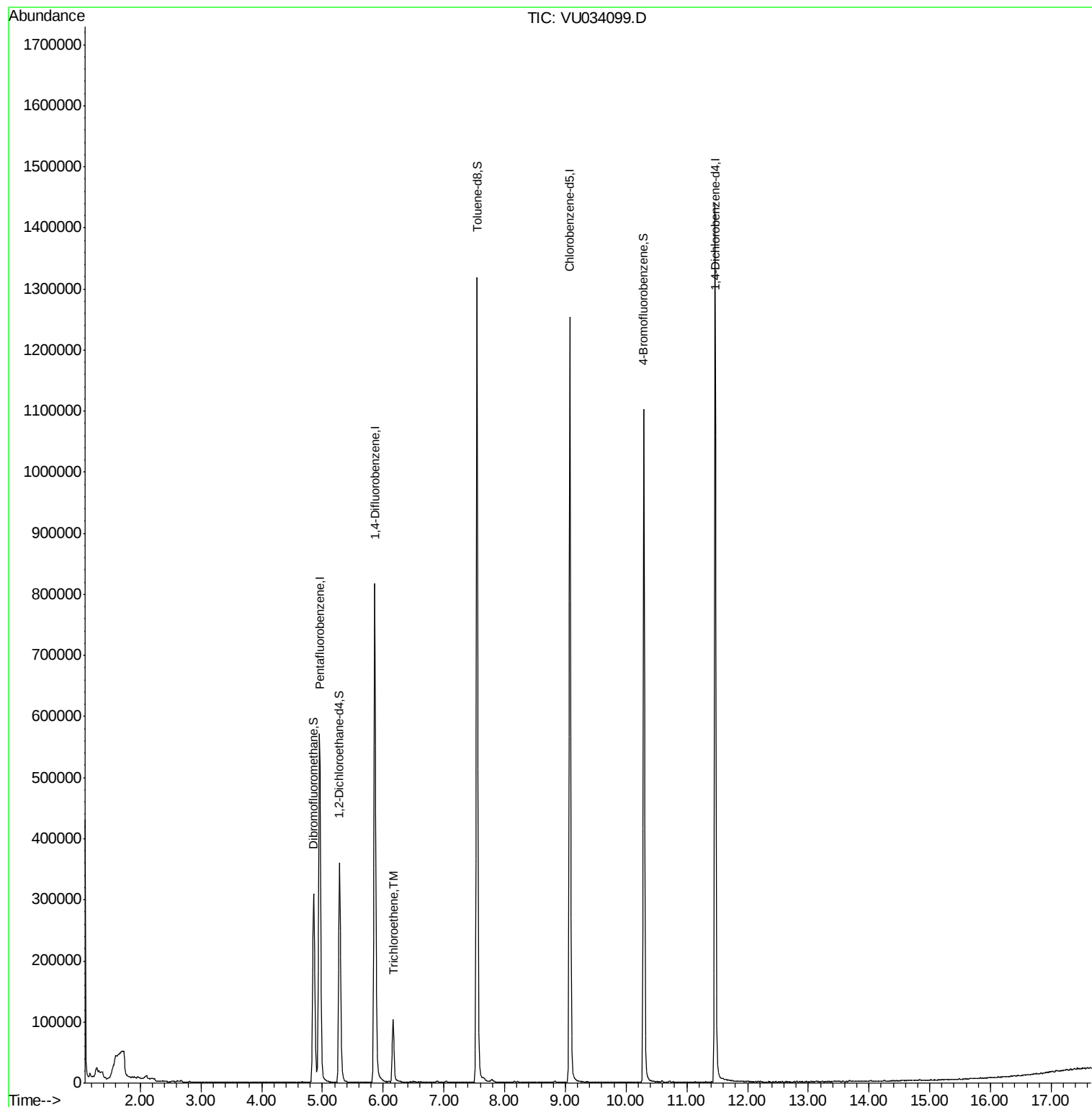
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 4.95  | 168  | 472174   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.86  | 114  | 749766   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 764826   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 400348   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 5.28  | 65   | 292684   | 48.38 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.76% |           |
| 35) Dibromofluoromethane    | 4.86  | 113  | 239000   | 45.96 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.92% |           |
| 50) Toluene-d8              | 7.55  | 98   | 952276   | 48.91 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.82% |           |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 374604   | 49.46 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.92% |           |
| Target Compounds            |       |      |          |       |        |           |
| 44) Trichloroethene         | 6.16  | 130  | 39899    | 7.081 | ug/l   | Qvalue 93 |

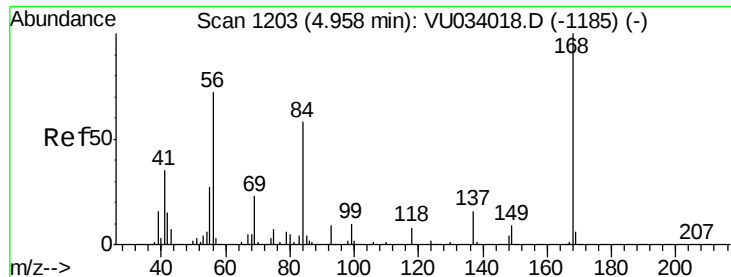
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU083119\  
Data File : VU034099.D  
Acq On : 30 Aug 2019 15:30  
Operator : JC/SP  
Sample : K4620-01ME  
Misc : 6.48g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
S500-K2-19.5-20.0-082919ME

Quant Time: Aug 30 17:44:24 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

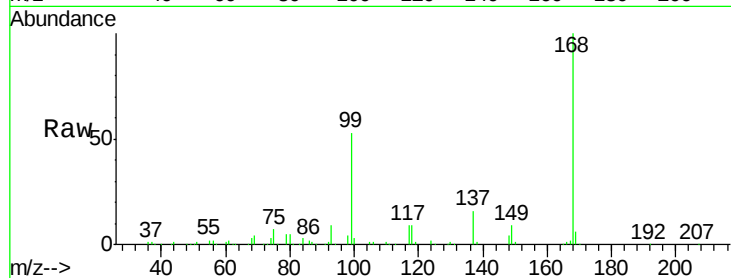
S500-K2-19.5-20.0-082919ME

Tot Ion:168 Resp: 472174

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034099.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034099.D (-1110) (-)

4.95

200000

150000

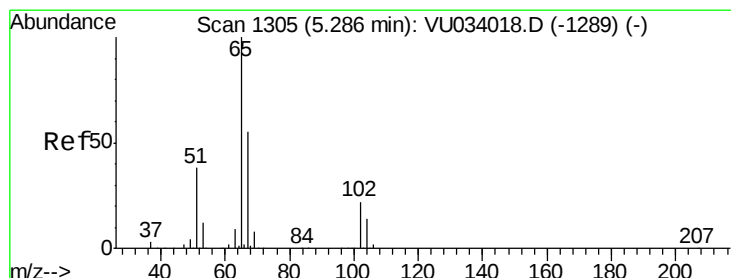
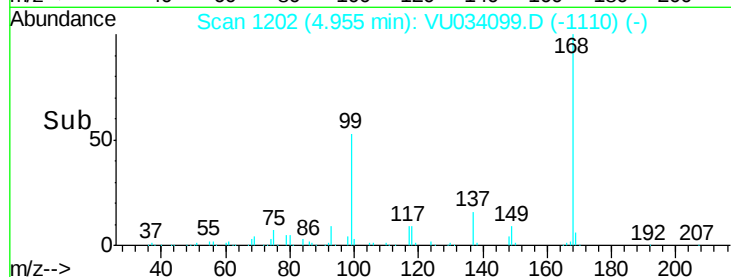
100000

50000

0

4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.376 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034099.D

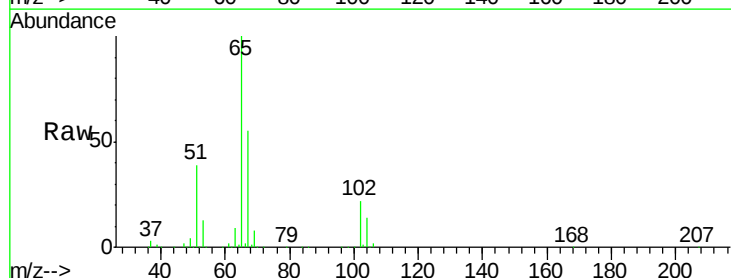
Acq: 30 Aug 2019 15:30

Tgt Ion: 65 Resp: 292684

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034099.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034099.D (-1212) (-)

5.28

150000

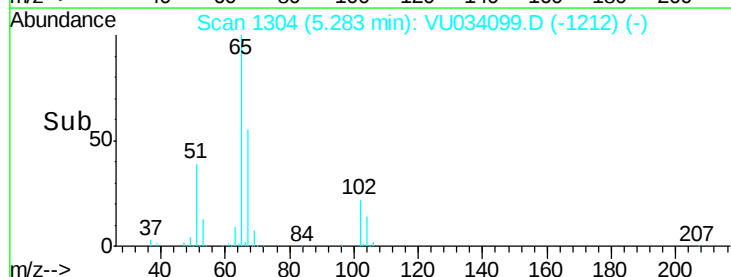
100000

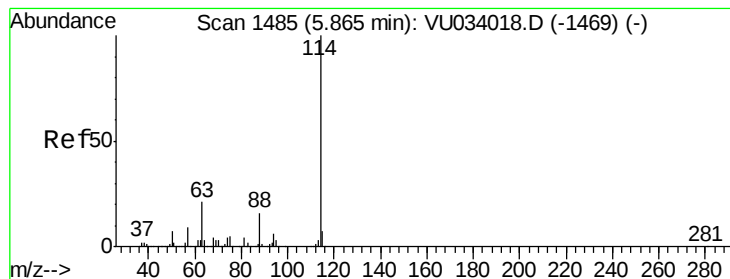
50000

0

5.20 5.30 5.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

S500-K2-19.5-20.0-082919ME

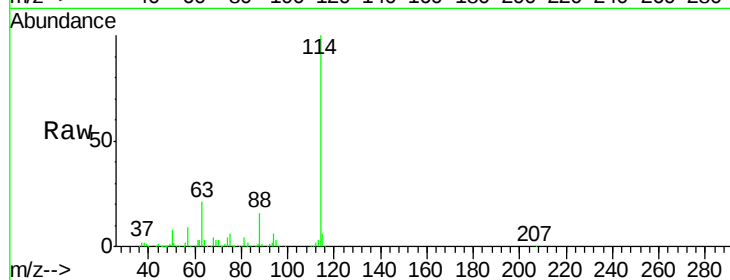
Tot Ion:114 Resp: 749766

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.0

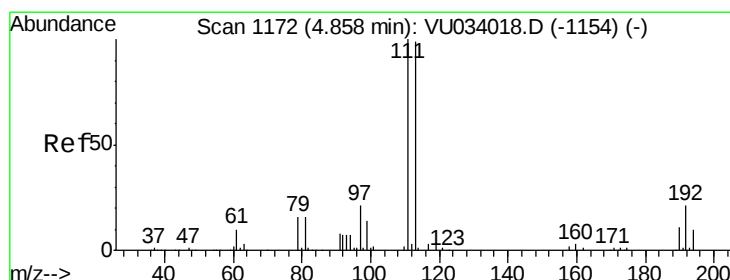
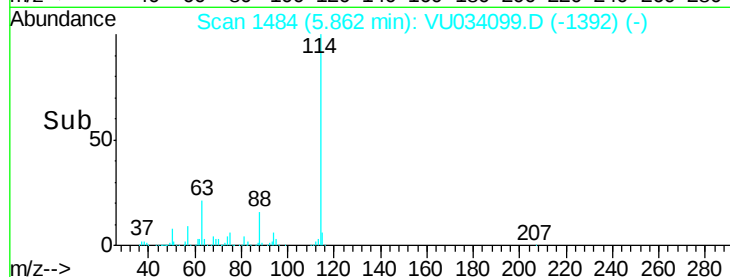
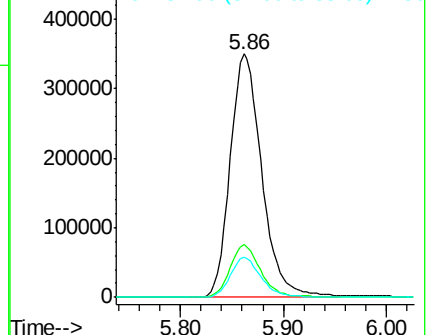
88 16.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 45.959 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

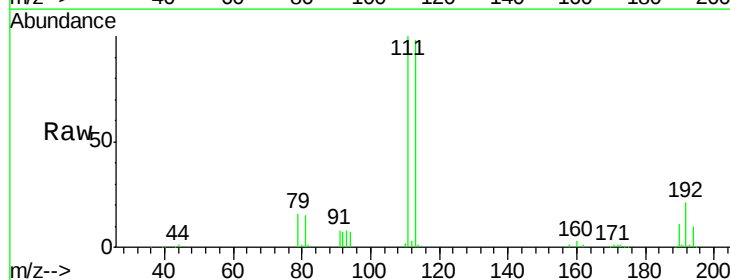
Tgt Ion:113 Resp: 239000

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

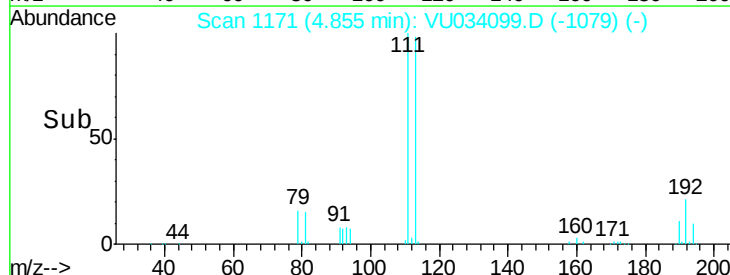
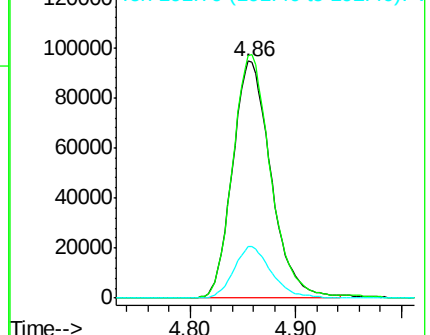
192 21.4 17.1 25.7

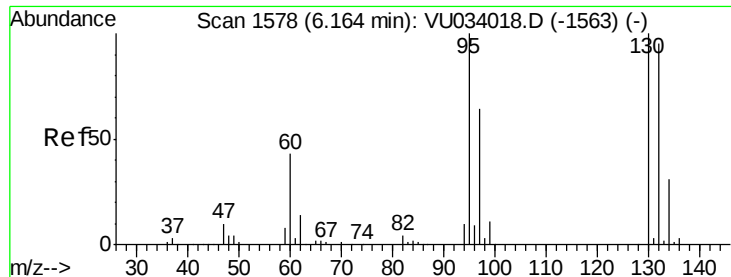


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 7.081 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

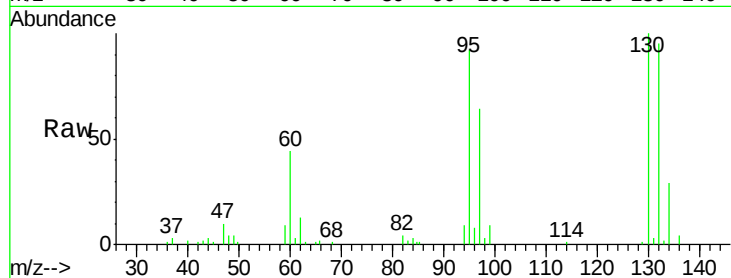
S500-K2-19.5-20.0-082919ME

Tot Ion:130 Resp: 39899

Ion Ratio Lower Upper

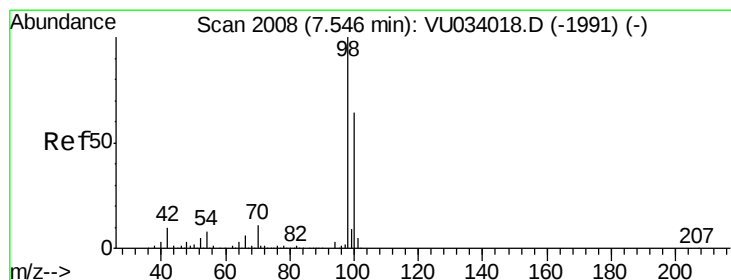
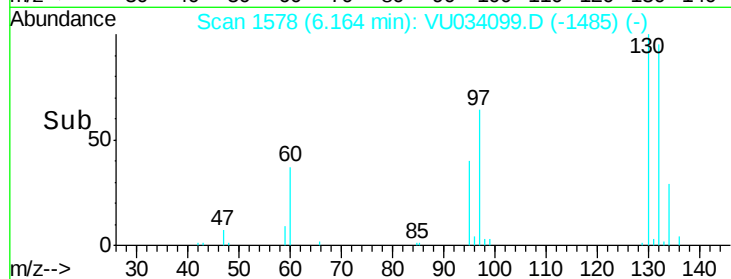
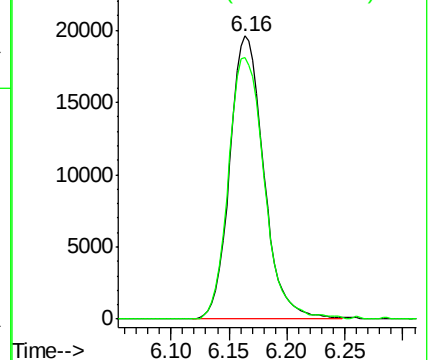
130 100

95 92.3 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 48.905 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034099.D

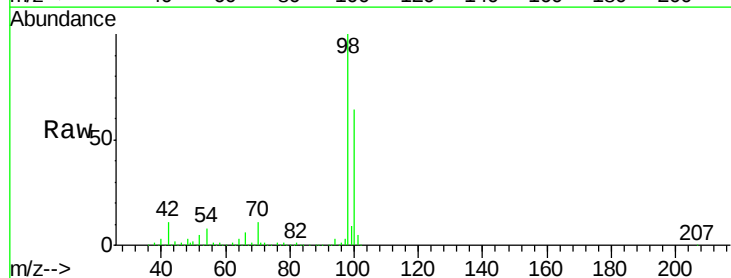
Acq: 30 Aug 2019 15:30

Tgt Ion: 98 Resp: 952276

Ion Ratio Lower Upper

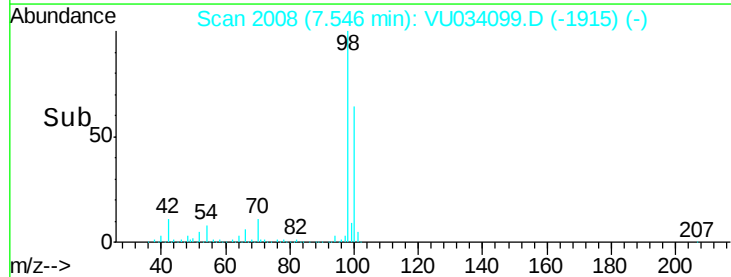
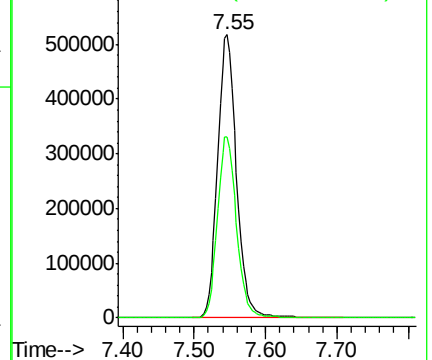
98 100

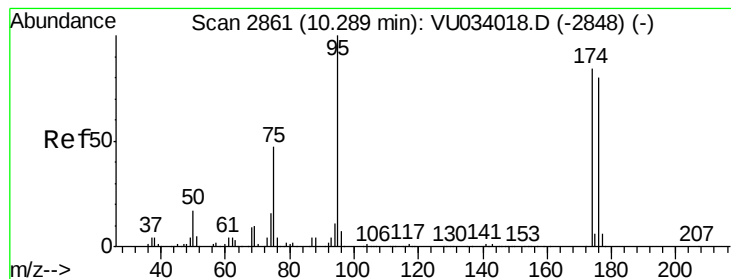
100 64.4 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 49.457 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

S500-K2-19.5-20.0-082919ME

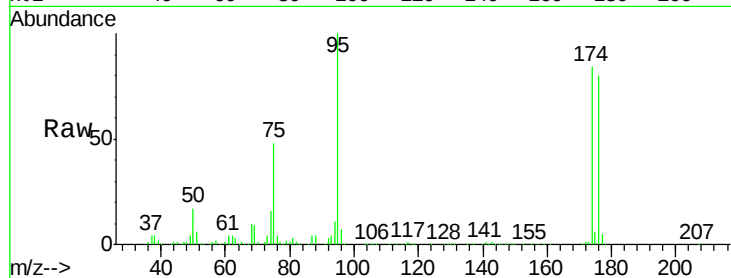
Tot Ion: 95 Resp: 374604

Ion Ratio Lower Upper

95 100

174 85.6 0.0 168.8

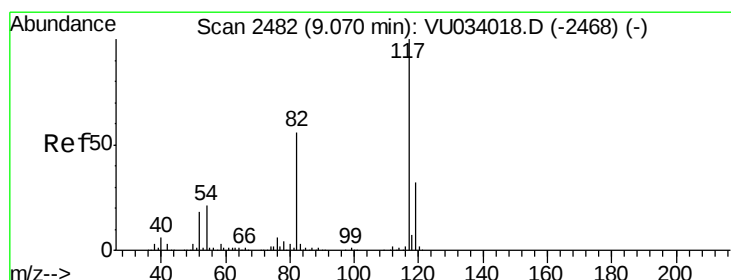
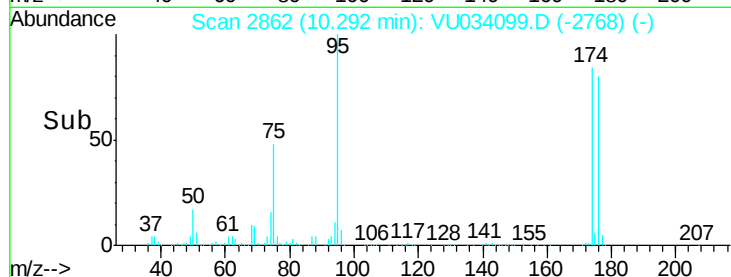
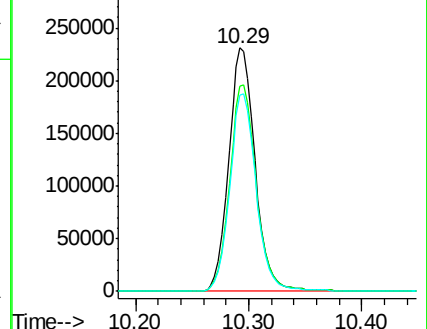
176 81.5 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034018.D (-2848) (-)

Ion 173.80 (173.50 to 174.50): VU034018.D (-2848) (-)

Ion 175.80 (175.50 to 176.50): VU034018.D (-2848) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2483

Delta R.T. 0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

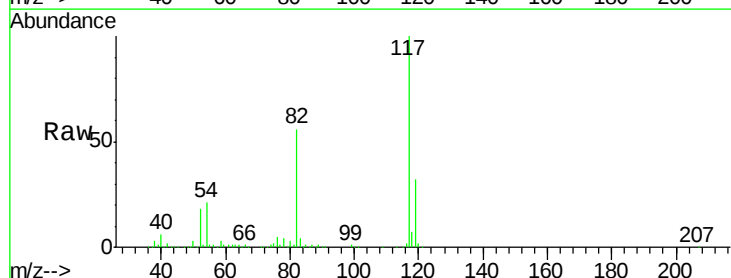
Tgt Ion: 117 Resp: 764826

Ion Ratio Lower Upper

117 100

82 56.2 45.1 67.7

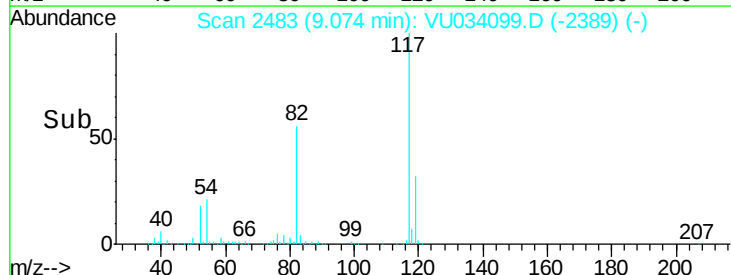
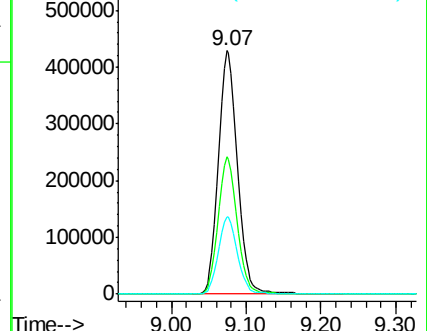
119 31.9 25.4 38.0

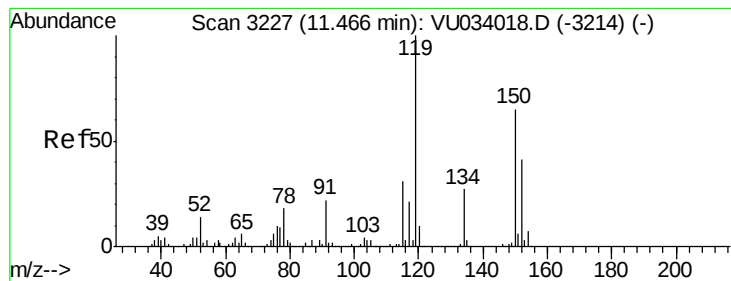


Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034018.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034018.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034099.D

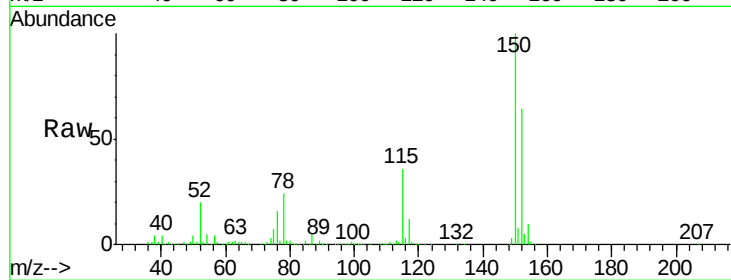
Acq: 30 Aug 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

S500-K2-19.5-20.0-082919ME



|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 152   | Resp: | 400348 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 56.9  | 41.1  | 123.3  |
| 150      | 155.5 | 0.0   | 348.8  |

