

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\  
 Data File : VU029205.D  
 Acq On : 16 Jan 2019 13:29  
 Operator : JC/SP  
 Sample : K1147-21  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-7

Quant Time: Jan 17 01:25:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 12 01:33:59 2019  
 Response via : Initial Calibration

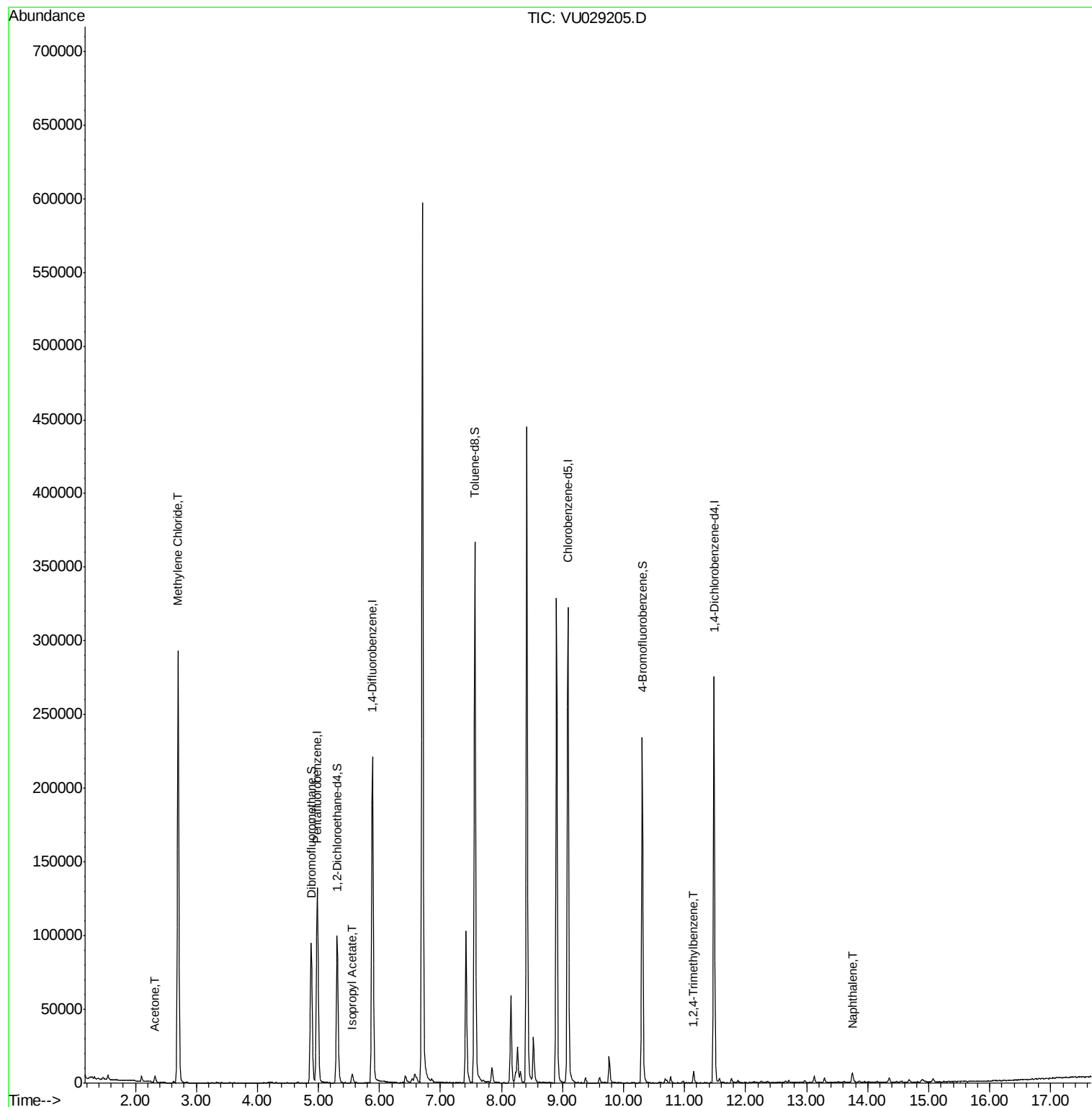
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 108088   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.88  | 114  | 190404   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 185059   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 74555    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 75350    | 56.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.78% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 66651    | 54.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.00% |          |
| 50) Toluene-d8              | 7.56  | 98   | 255210   | 52.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.76% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 78953    | 45.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 4988     | 5.926  | ug/l    | 99       |
| 20) Methylene Chloride      | 2.70  | 84   | 131266   | 91.850 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 5.55  | 43   | 7473     | 2.332  | ug/l    | 94       |
| 84) 1,2,4-Trimethylbenzene  | 11.15 | 105  | 4752     | 1.033  | ug/l    | 98       |
| 95) Naphthalene             | 13.75 | 128  | 8122     | 1.408  | ug/l #  | 96       |

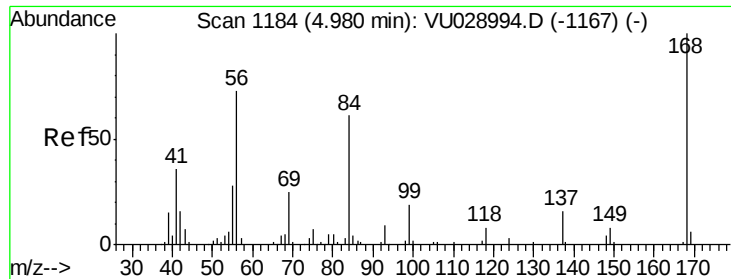
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011619\  
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Quant Title : SW846 8260  
QLast Update : Sat Jan 12 01:33:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

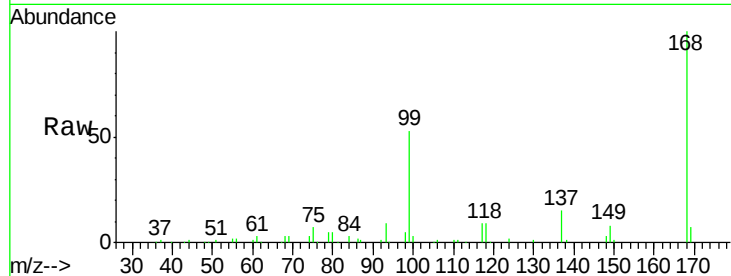
Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Tot Ion:168 Resp: 108088

Ion Ratio Lower Upper

168 100

99 52.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

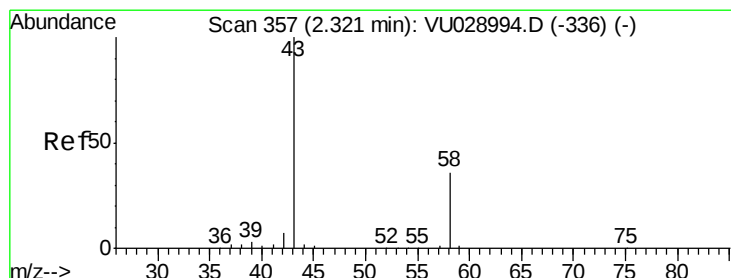
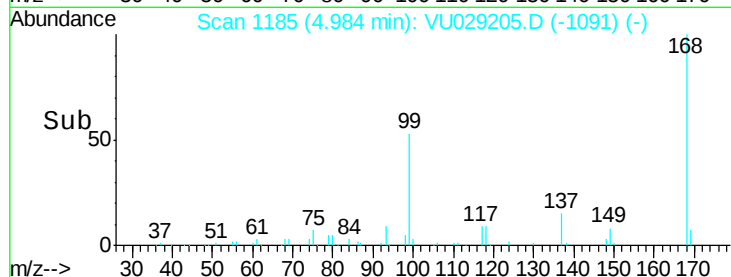
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 5.926 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029205.D

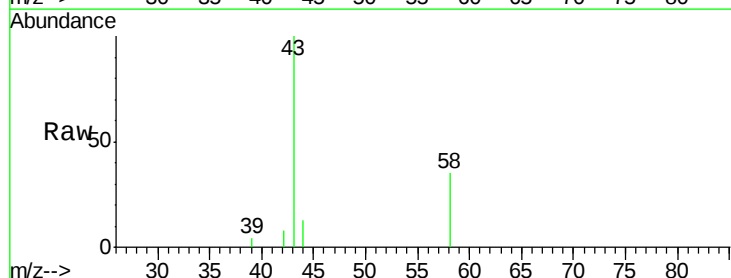
Acq: 16 Jan 2019 13:29

Tgt Ion: 43 Resp: 4988

Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

3000

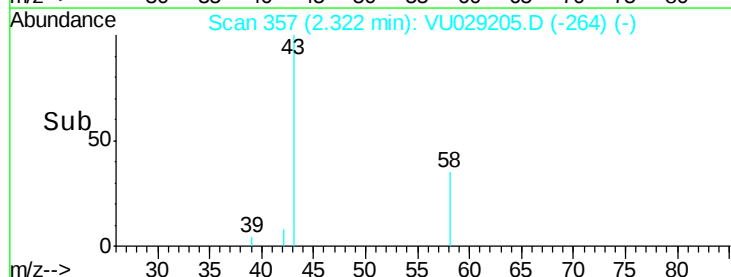
2000

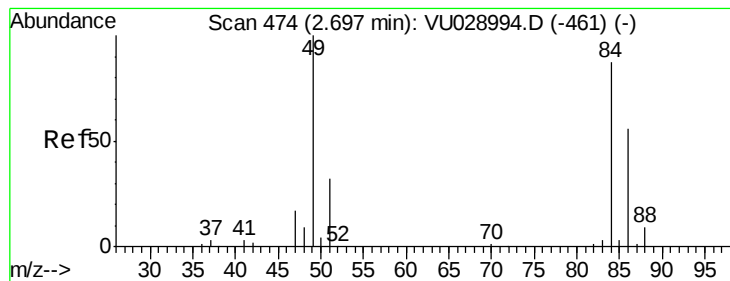
1000

0

2.25 2.30 2.35

Time-->





#20

Methylene Chloride

Concen: 91.850 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

TP-7

Tot Ion: 84 Resp: 131266

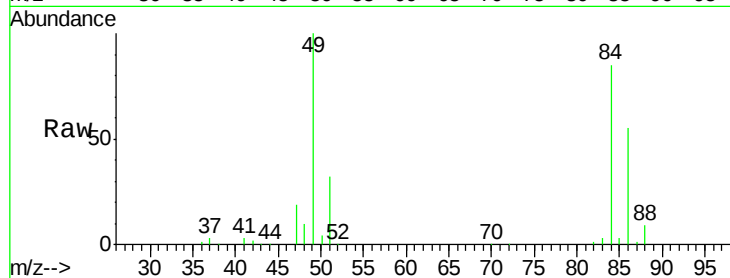
Ion Ratio Lower Upper

84 100

49 117.1 91.9 137.9

51 37.0 29.2 43.8

86 64.3 51.8 77.6

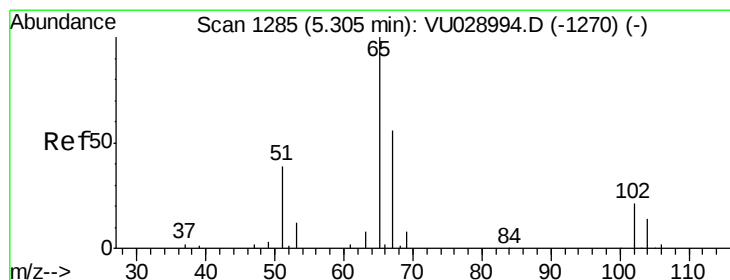
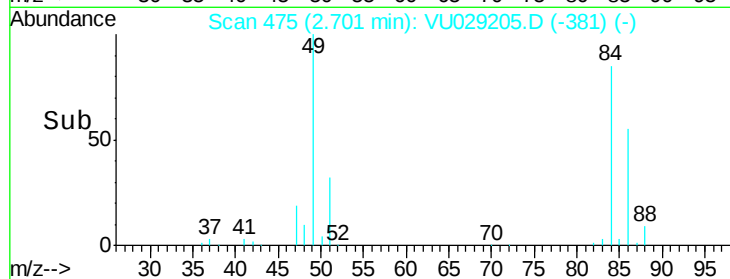
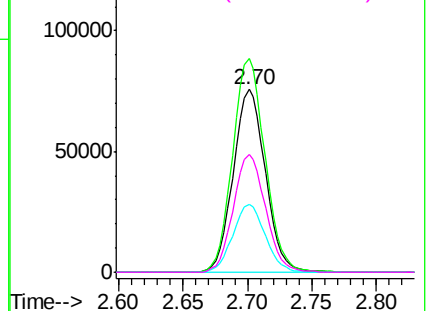


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 56.392 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029205.D

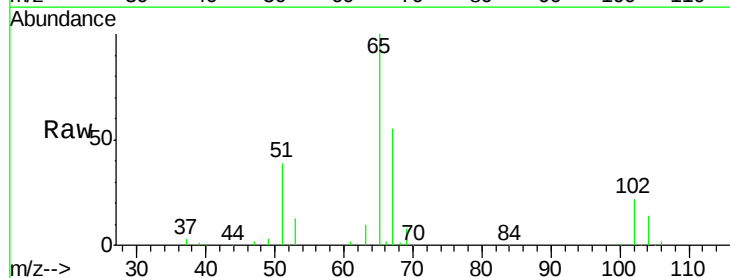
Acq: 16 Jan 2019 13:29

Tgt Ion: 65 Resp: 75350

Ion Ratio Lower Upper

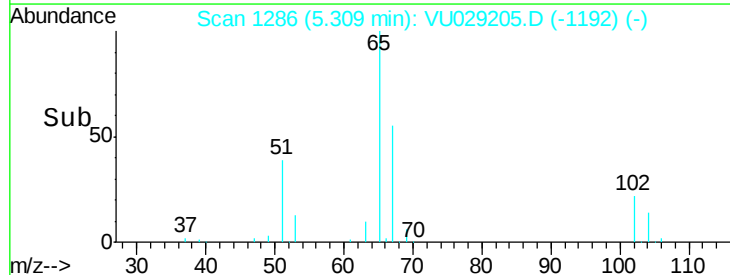
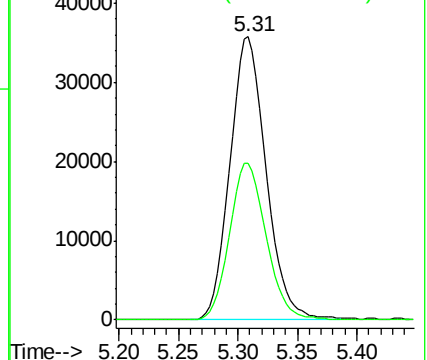
65 100

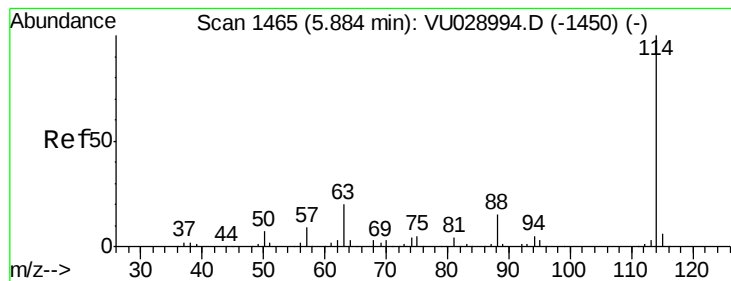
67 56.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

TP-7

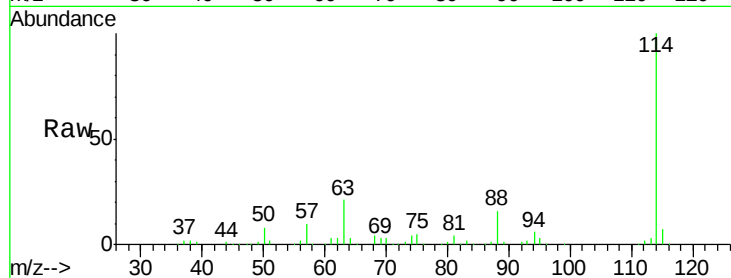
Tot Ion:114 Resp: 190404

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.2

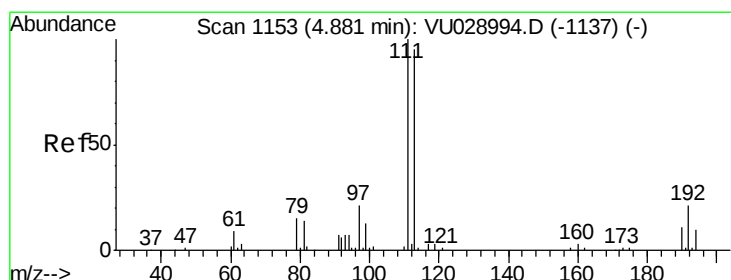
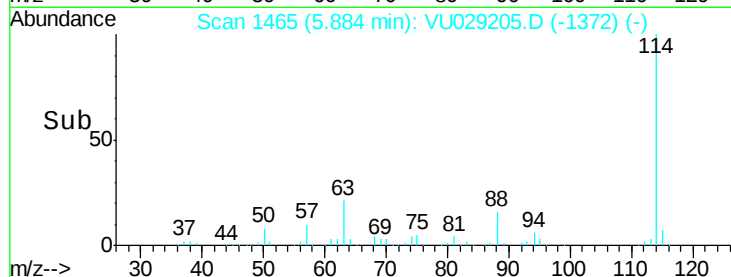
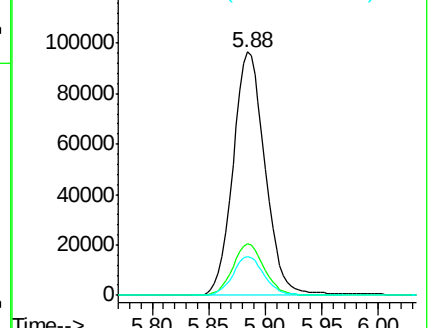
88 15.8 0.0 30.4



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: 54.001 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

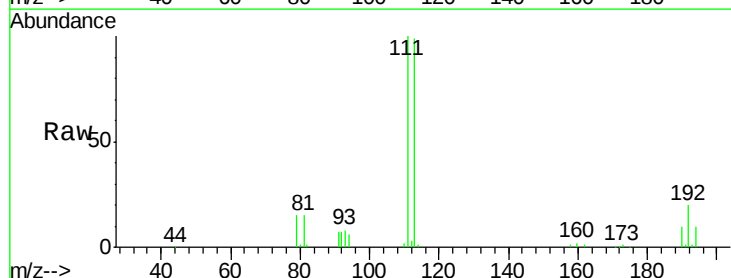
Tgt Ion:113 Resp: 66651

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

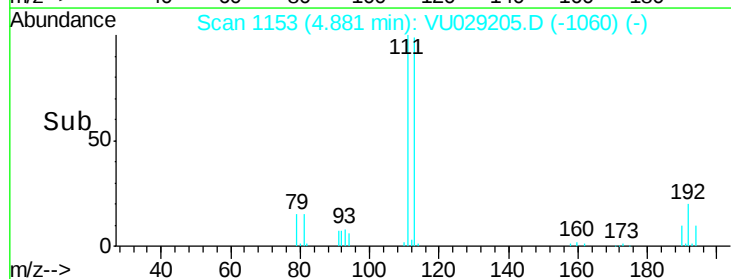
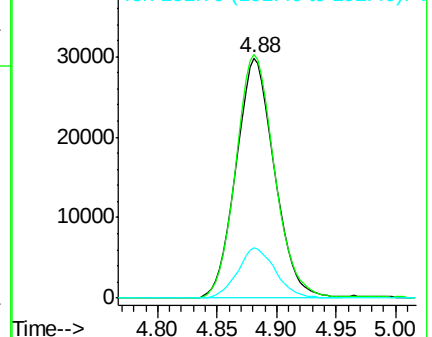
192 20.6 16.8 25.2

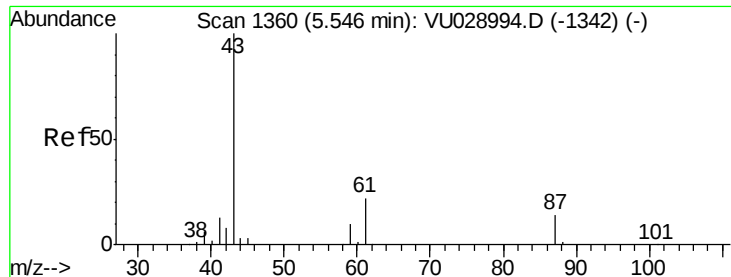


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.332 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

TP-7

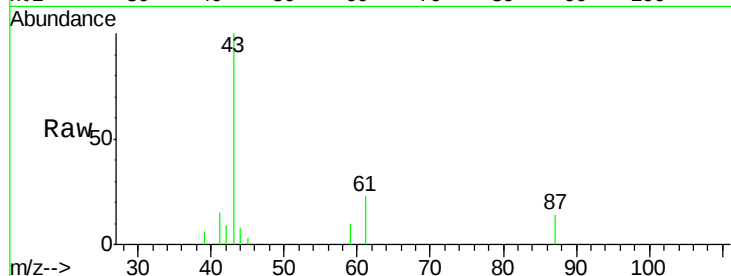
Tot Ion: 43 Resp: 7473

Ion Ratio Lower Upper

43 100

61 19.4 17.8 26.6

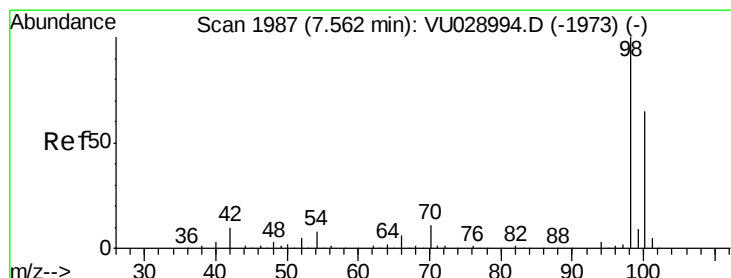
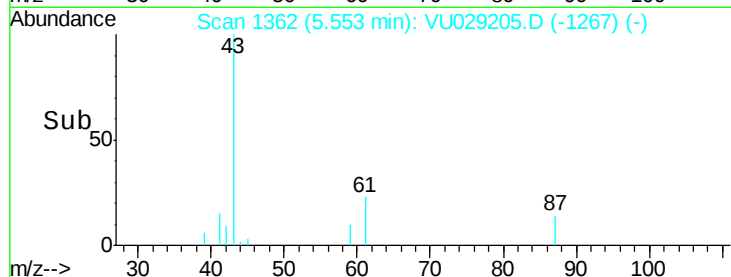
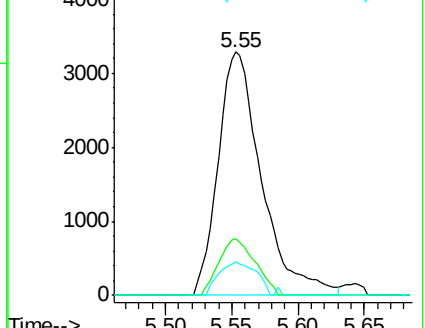
87 11.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)



#50

Toluene-d8

Concen: 52.376 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029205.D

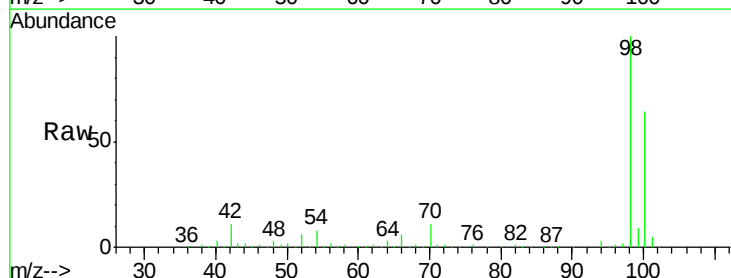
Acq: 16 Jan 2019 13:29

Tgt Ion: 98 Resp: 255210

Ion Ratio Lower Upper

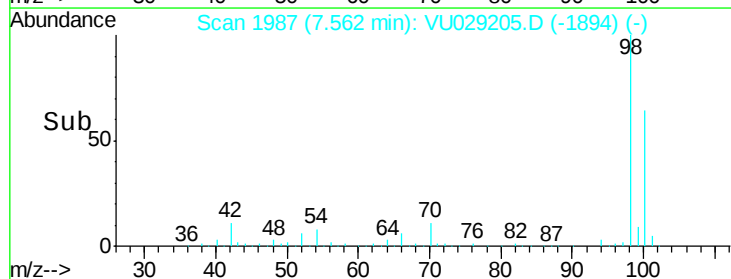
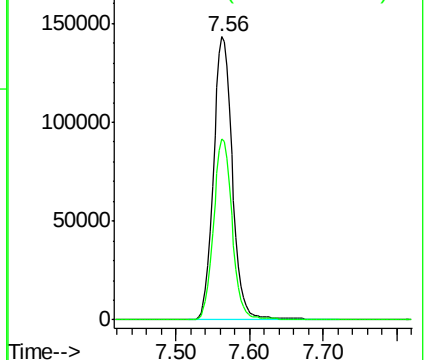
98 100

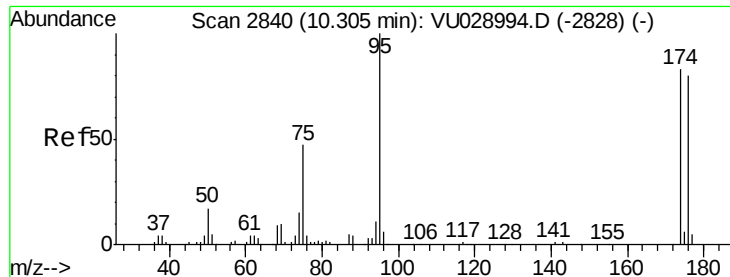
100 62.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)





#62

4-Bromofluorobenzene

Concen: 45.086 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampleId :

TP-7

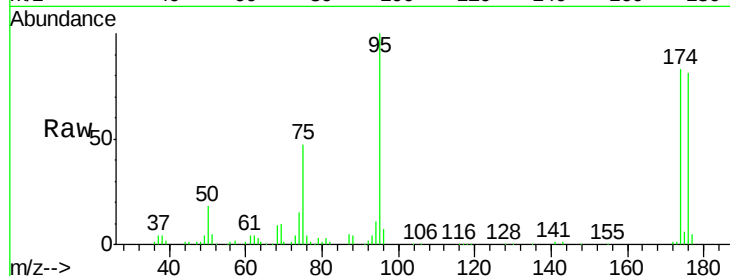
Tot Ion: 95 Resp: 78953

Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

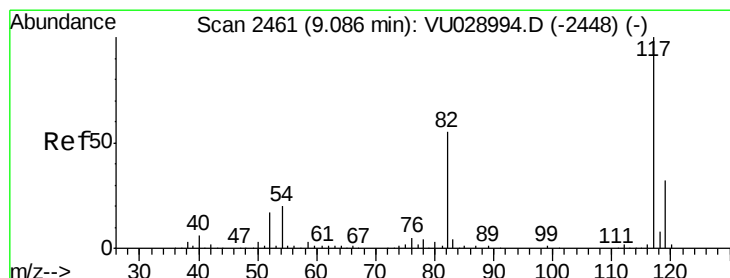
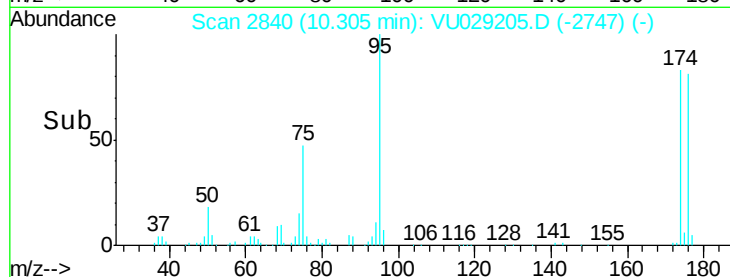
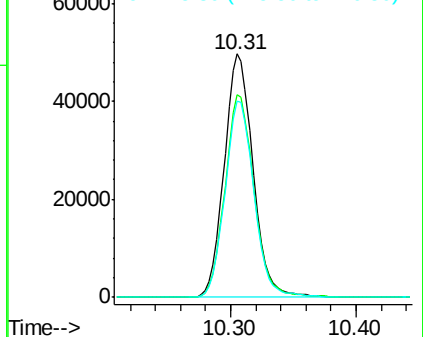
176 81.2 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

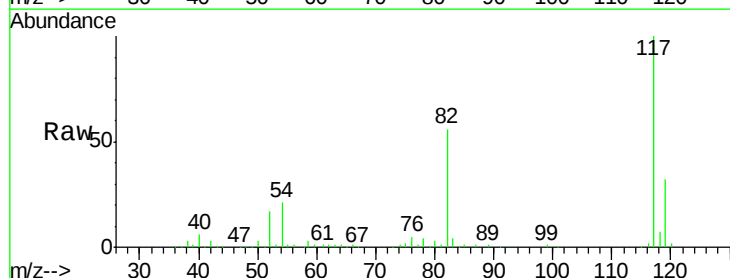
Tgt Ion: 117 Resp: 185059

Ion Ratio Lower Upper

117 100

82 55.6 43.9 65.9

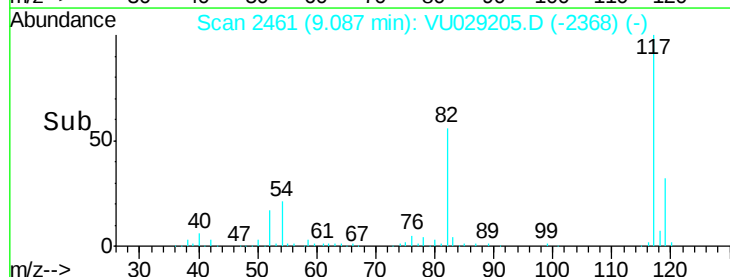
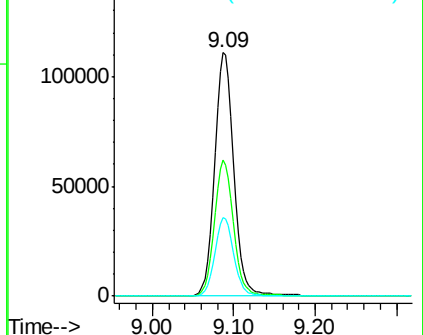
119 32.2 26.0 39.0

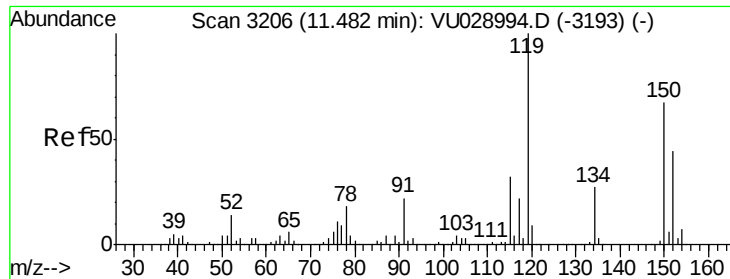


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029205.D

Acq: 16 Jan 2019 13:29

Instrument :

MSVOA\_U

ClientSampled :

TP-7

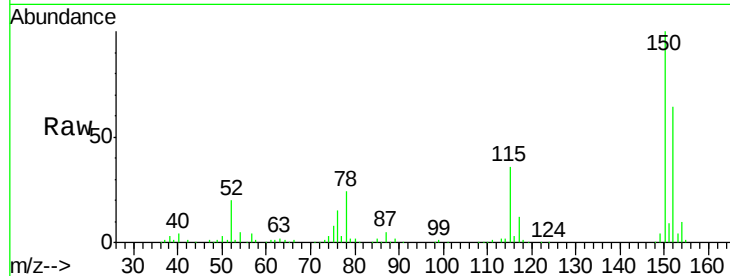
Tot Ion:152 Resp: 74555

Ion Ratio Lower Upper

152 100

115 56.4 40.1 120.3

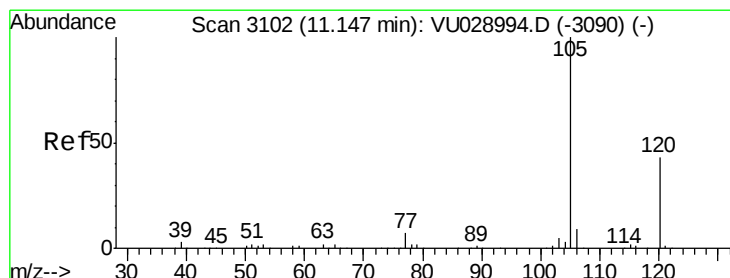
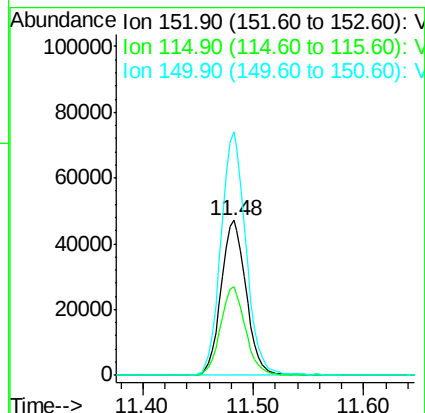
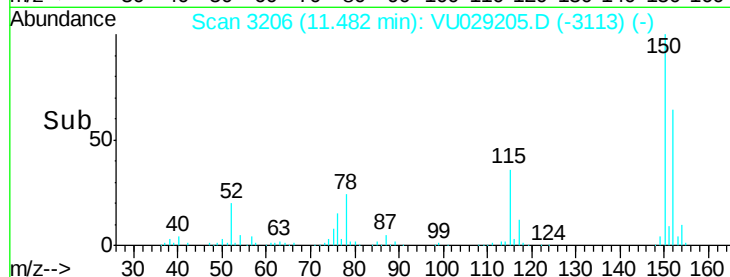
150 155.5 0.0 345.2



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



#84

1,2,4-Trimethylbenzene

Concen: 1.033 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU029205.D

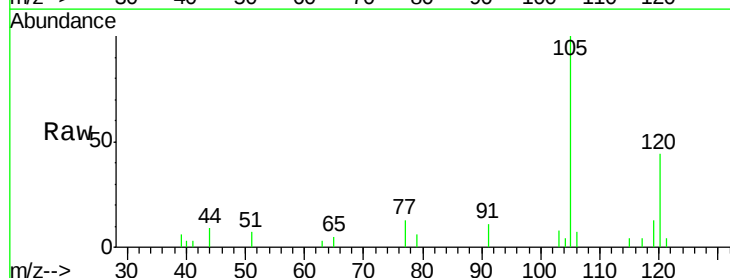
Acq: 16 Jan 2019 13:29

Tgt Ion:105 Resp: 4752

Ion Ratio Lower Upper

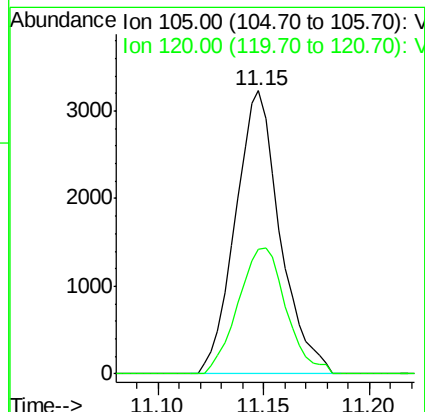
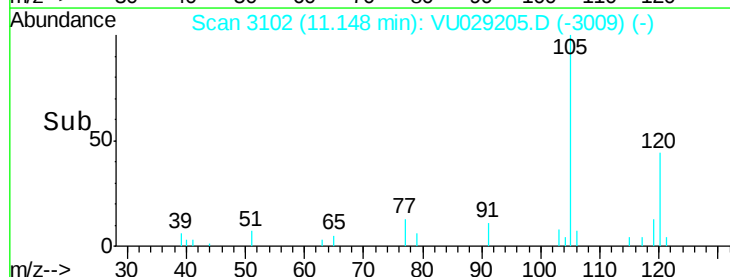
105 100

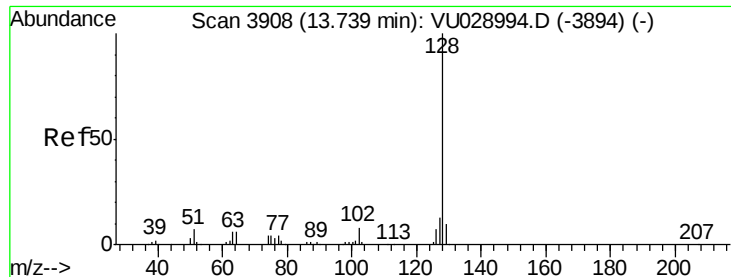
120 47.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95  
Naphthalene  
Concen: 1.408 ug/l  
RT: 13.75 min Scan# 3910  
Delta R.T. 0.01 min  
Lab File: VU029205.D  
Acq: 16 Jan 2019 13:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-7

Tot Ion:128 Resp: 8122  
Ion Ratio Lower Upper  
128 100  
127 10.0 10.1 15.1#  
129 10.5 8.5 12.7

