

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\  
 Data File : VU025378.D  
 Acq On : 13 Jul 2018 07:40  
 Operator : MD/SY  
 Sample : J3947-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PAR-4

Quant Time: Jul 13 09:10:04 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 10 09:34:16 2018  
 Response via : Initial Calibration

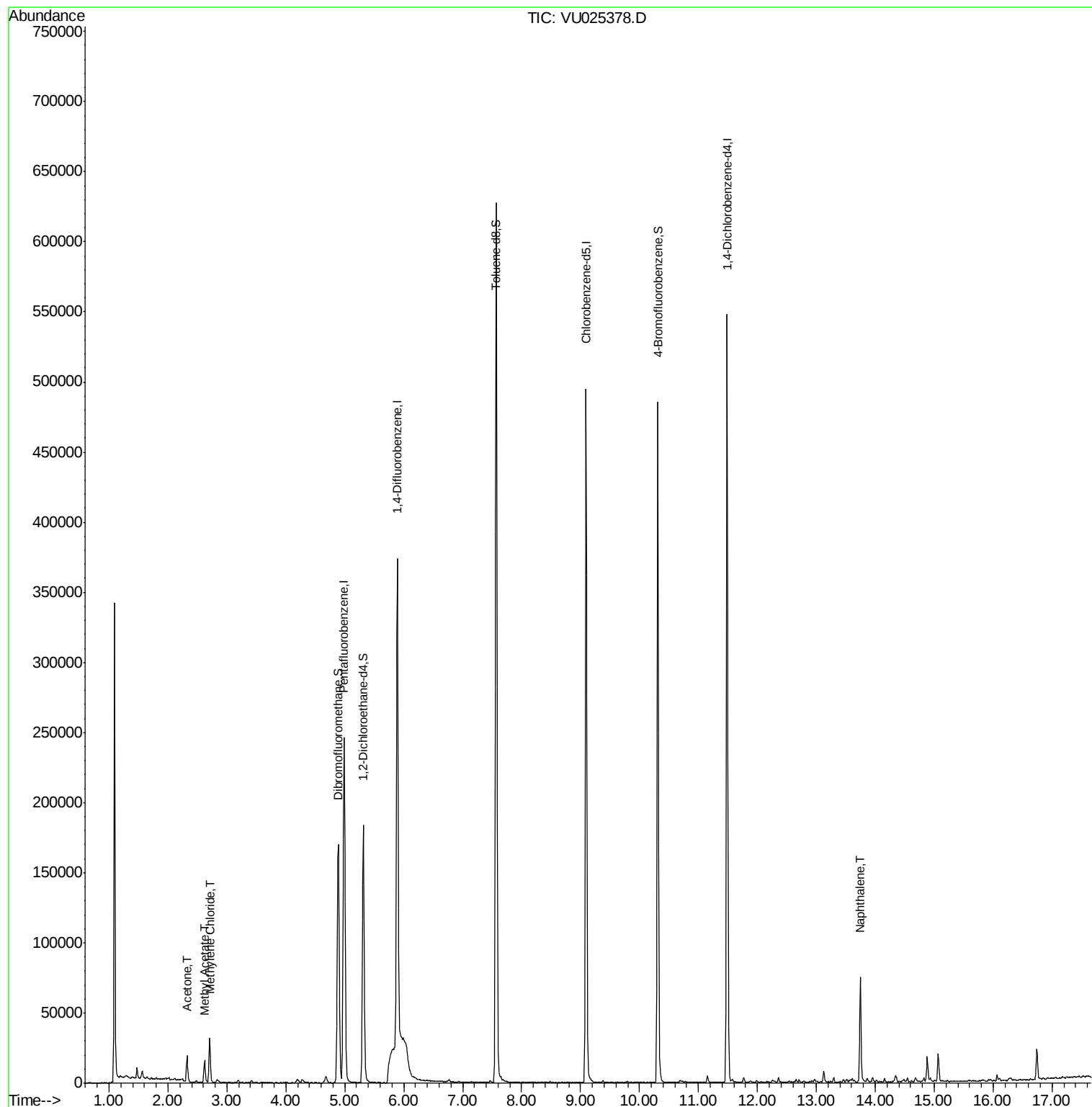
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 192658   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 296091   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 272661   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 146576   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 150030   | 50.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.24% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 116146   | 46.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.00%  |          |
| 50) Toluene-d8              | 7.57  | 98   | 424201   | 49.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.18%  |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 155578   | 45.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.36%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 19557    | 17.422 | ug/l    | 96       |
| 18) Methyl Acetate          | 2.62  | 43   | 19258    | 6.284  | ug/l    | 100      |
| 20) Methylene Chloride      | 2.71  | 84   | 13392    | 6.395  | ug/l    | 97       |
| 95) Naphthalene             | 13.75 | 128  | 62664    | 7.955  | ug/l    | 98       |

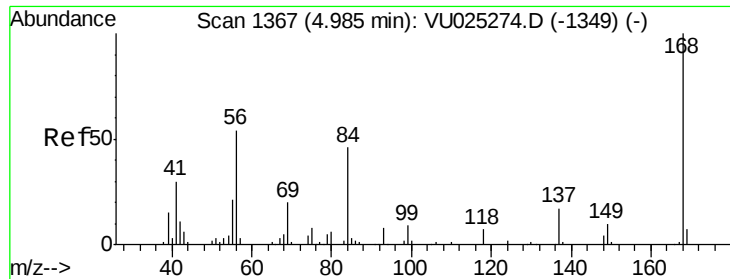
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PAR-4

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070918W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 10 09:34:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

Instrument :

MSVOA\_U

ClientSampleId :

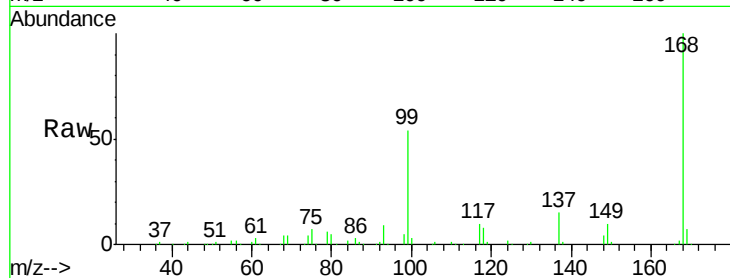
PAR-4

Tot Ion:168 Resp: 192658

Ion Ratio Lower Upper

168 100

99 54.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

40000

20000

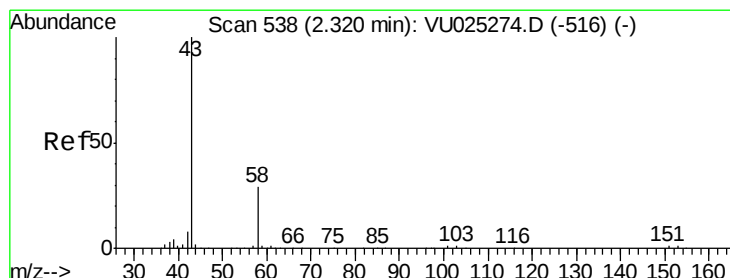
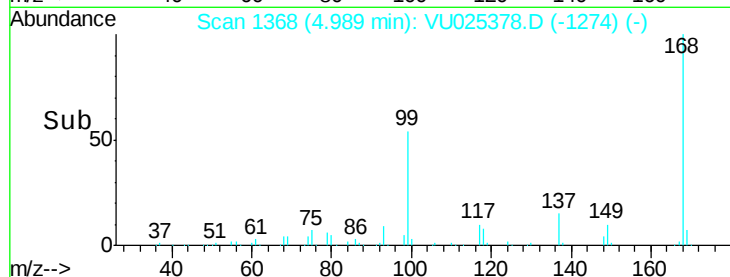
0

Time-->

4.90

5.00

5.10



#16

Acetone

Concen: 17.422 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025378.D

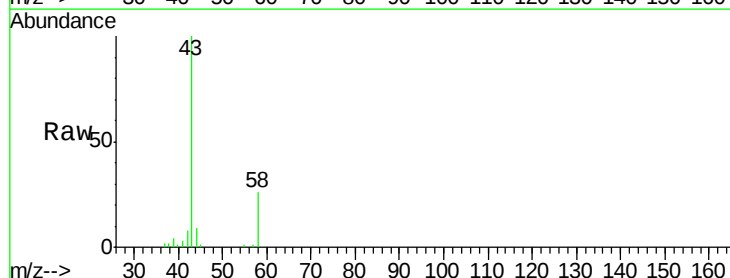
Acq: 13 Jul 2018 07:40

Tgt Ion: 43 Resp: 19557

Ion Ratio Lower Upper

43 100

58 26.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-516) (-)

Ion 58.00 (57.70 to 58.70): VU025274.D (-516) (-)

2.32

10000

5000

0

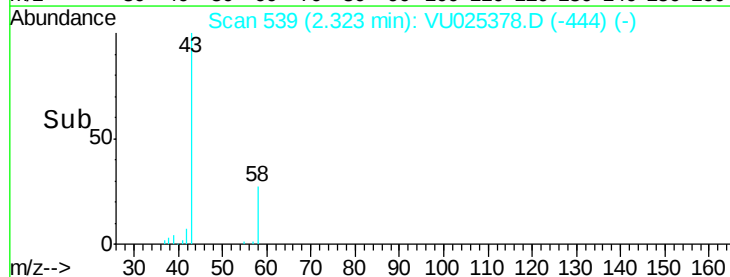
Time-->

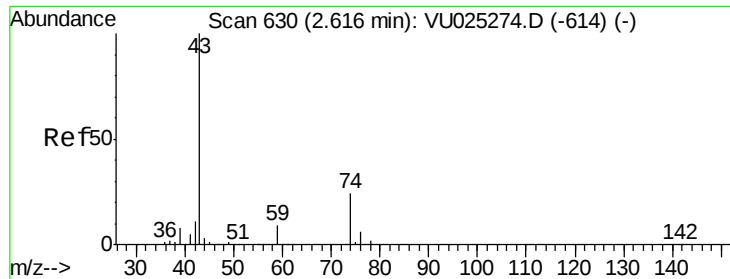
2.25

2.30

2.35

2.40

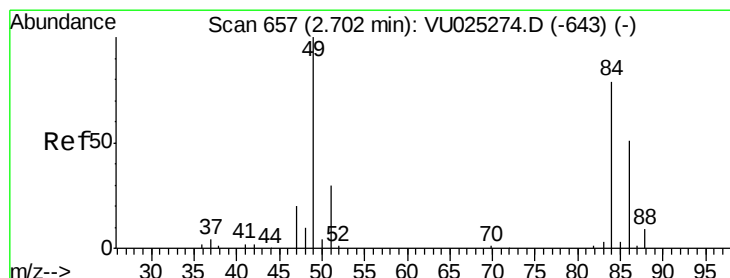
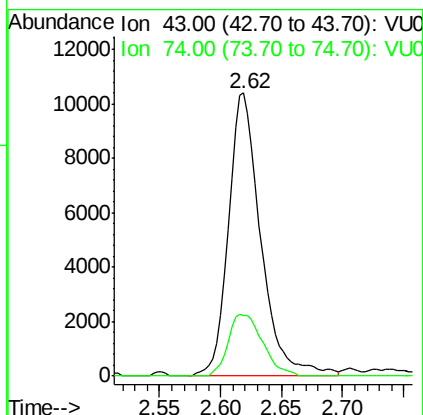
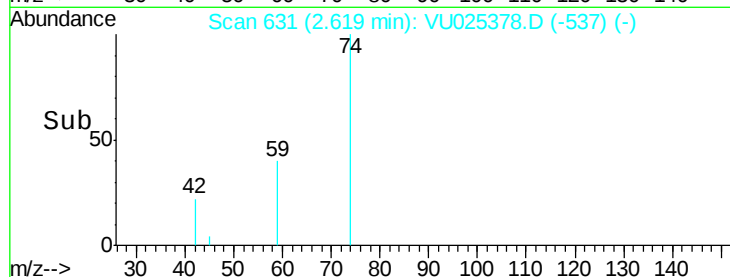
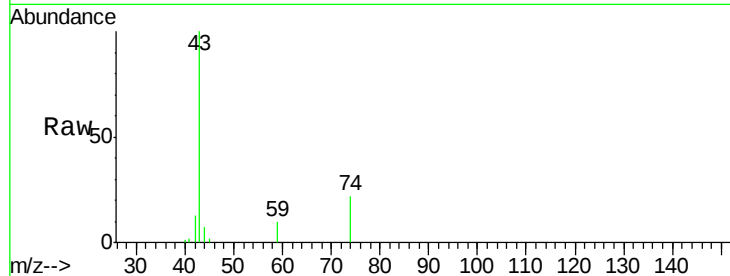




#18  
Methyl Acetate  
Concen: 6.284 ug/l  
RT: 2.62 min Scan# 631  
Delta R.T. 0.00 min  
Lab File: VU025378.D  
Acq: 13 Jul 2018 07:40

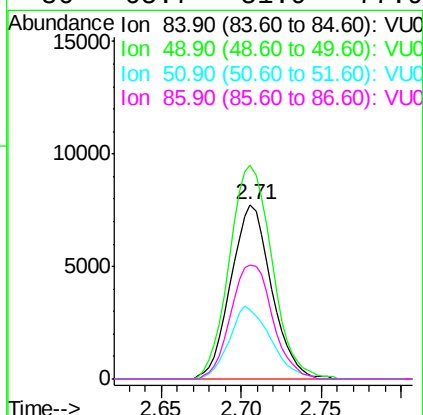
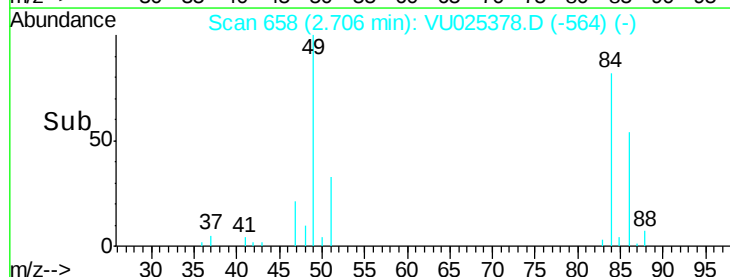
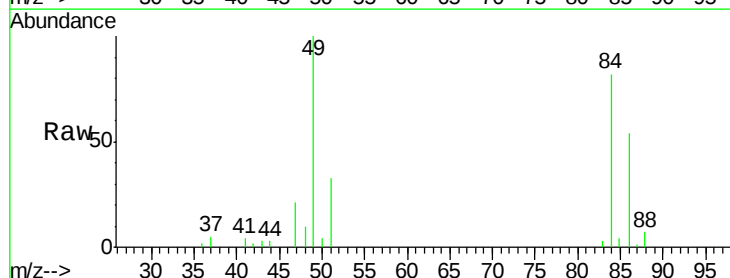
Instrument :  
MSVOA\_U  
ClientSampleId :  
PAR-4

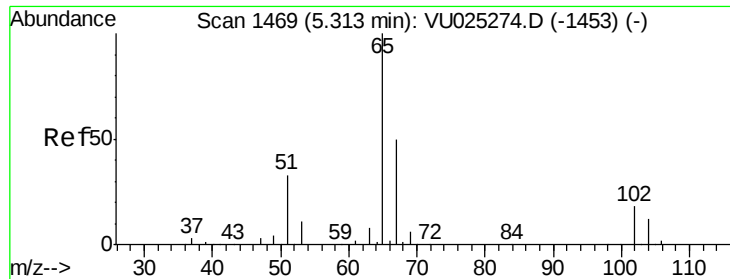
Tot Ion: 43 Resp: 19258  
Ion Ratio Lower Upper  
43 100  
74 23.2 18.5 27.7



#20  
Methylene Chloride  
Concen: 6.395 ug/l  
RT: 2.71 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VU025378.D  
Acq: 13 Jul 2018 07:40

Tgt Ion: 84 Resp: 13392  
Ion Ratio Lower Upper  
84 100  
49 122.7 101.8 152.6  
51 40.0 30.8 46.2  
86 65.7 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 50.124 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

Instrument :

MSVOA\_U

ClientSampleId :

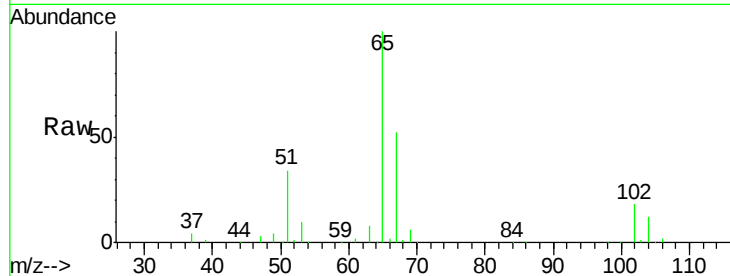
PAR-4

Tot Ion: 65 Resp: 150030

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

80000

60000

40000

20000

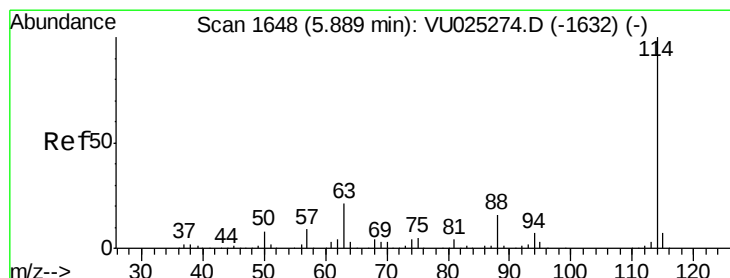
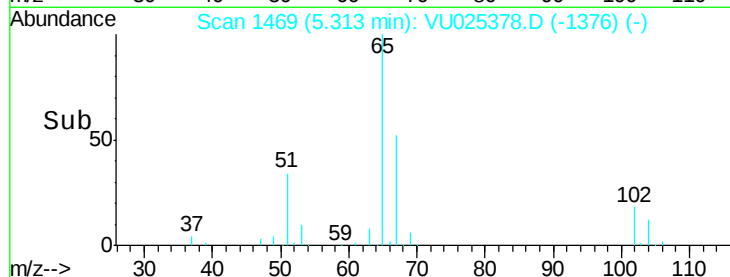
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

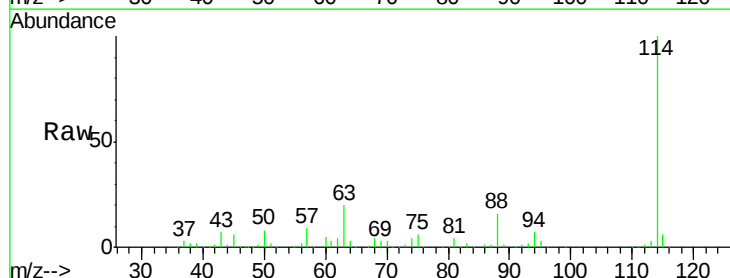
Tgt Ion: 114 Resp: 296091

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025274.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU025274.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025274.D (-1632) (-)

200000

150000

100000

50000

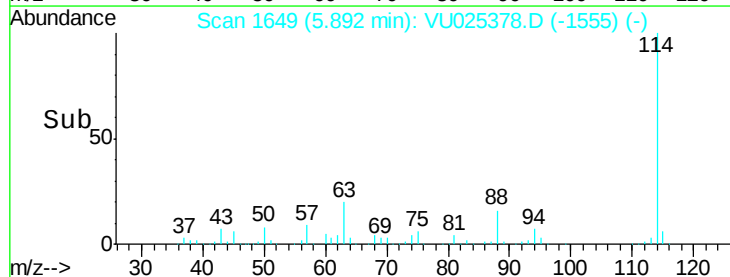
0

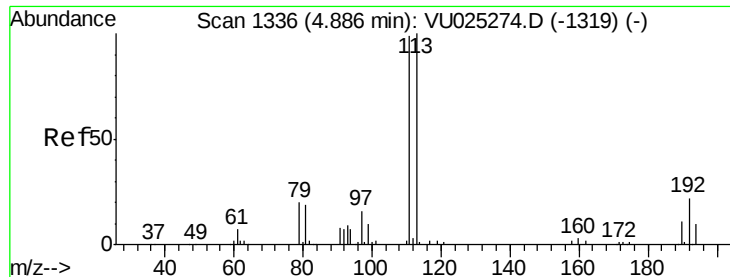
Time-->

5.80

5.90

6.00

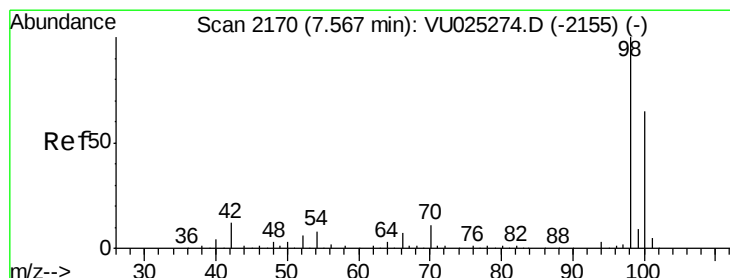
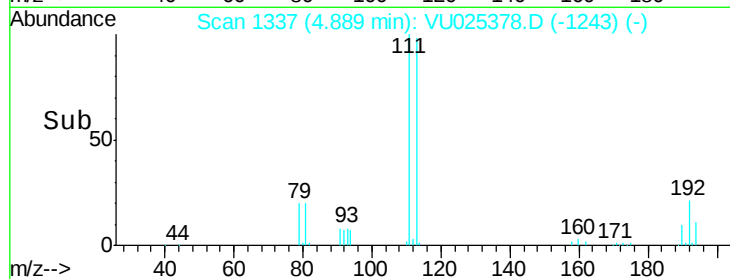
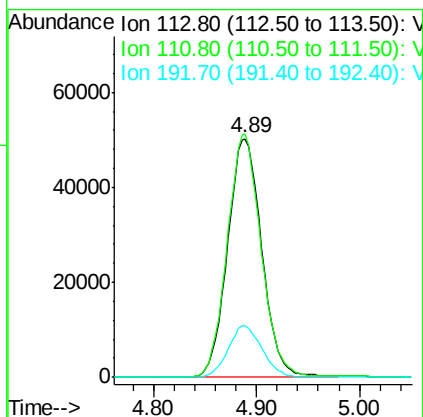
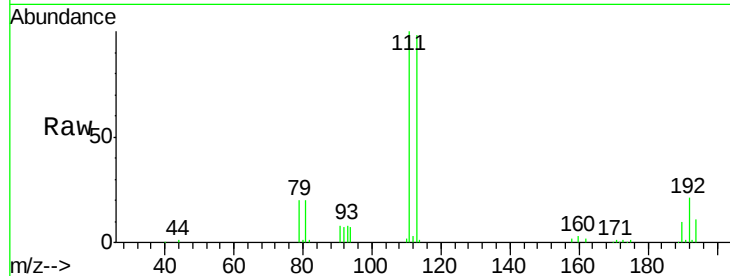




#35  
Dibromofluoromethane  
Concen: 46.500 ug/l  
RT: 4.89 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VU025378.D  
Acq: 13 Jul 2018 07:40

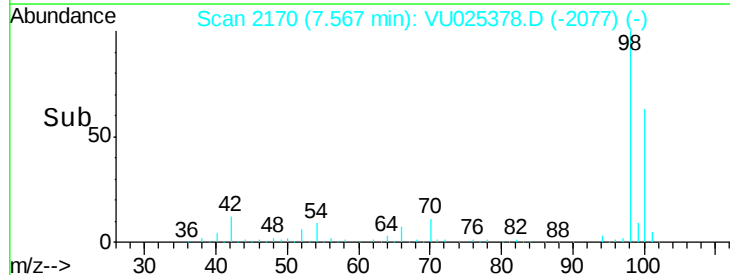
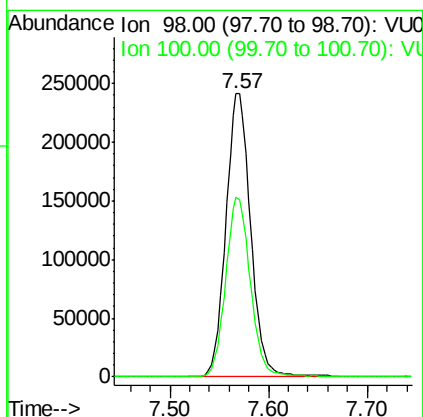
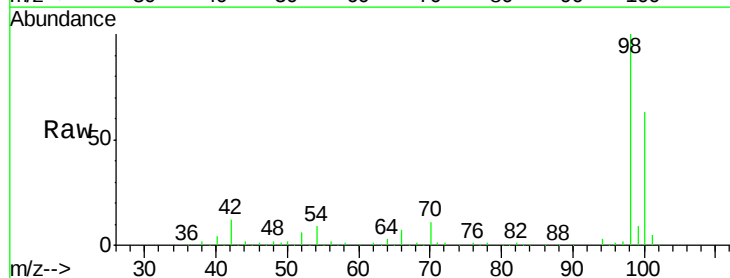
Instrument :  
MSVOA\_U  
ClientSampleId :  
PAR-4

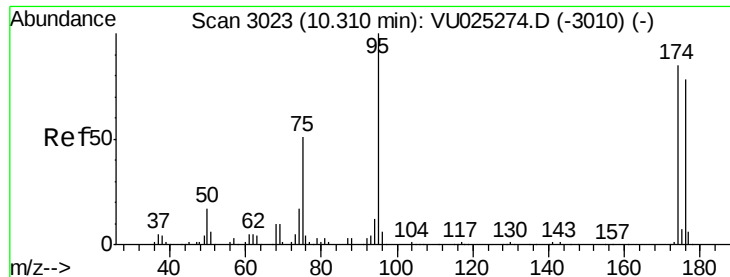
Tot Ion:113 Resp: 116146  
Ion Ratio Lower Upper  
113 100  
111 100.9 81.7 122.5  
192 21.4 17.1 25.7



#50  
Toluene-d8  
Concen: 49.595 ug/l  
RT: 7.57 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VU025378.D  
Acq: 13 Jul 2018 07:40

Tgt Ion: 98 Resp: 424201  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 45.179 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

Instrument :

MSVOA\_U

ClientSampleId :

PAR-4

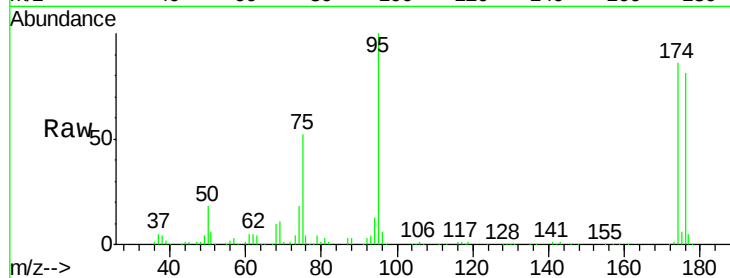
Tot Ion: 95 Resp: 155578

Ion Ratio Lower Upper

95 100

174 86.4 0.0 172.2

176 82.5 0.0 162.6

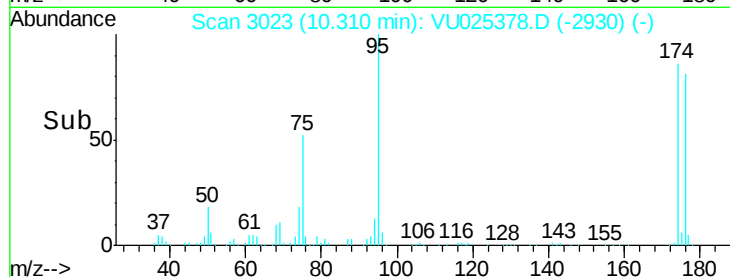


Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

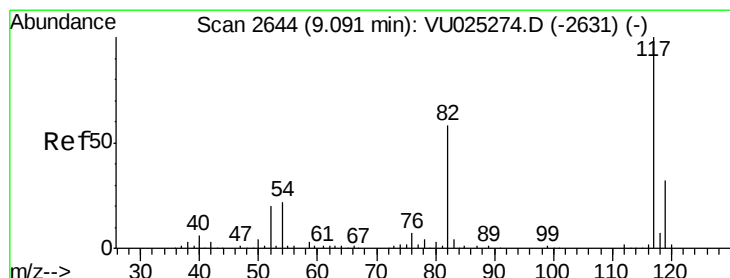
Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

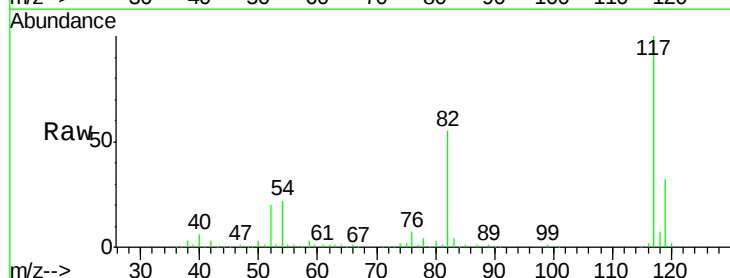
Tgt Ion: 117 Resp: 272661

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

119 32.1 26.0 39.0

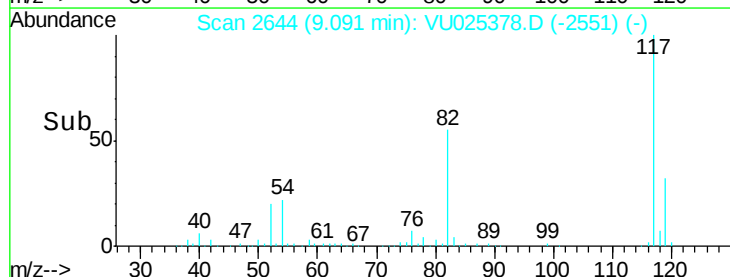


Abundance Ion 116.90 (116.60 to 117.60): VU025274.D (-2631) (-)

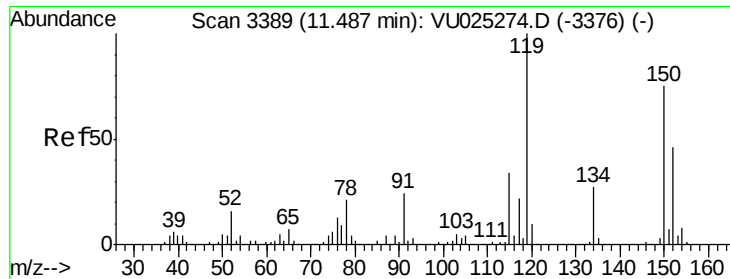
Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025274.D (-2631) (-)

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

Instrument :

MSVOA\_U

ClientSampled :

PAR-4

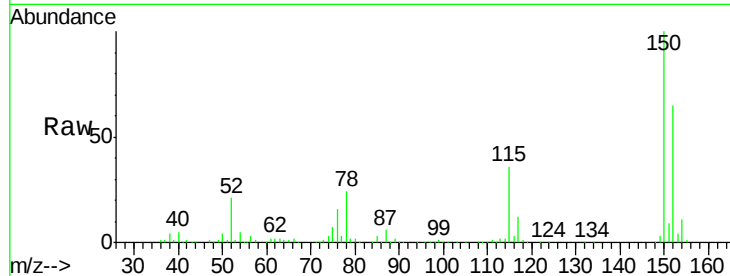
Tot Ion:152 Resp: 146576

Ion Ratio Lower Upper

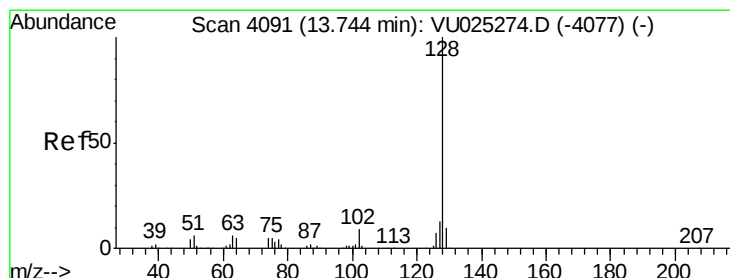
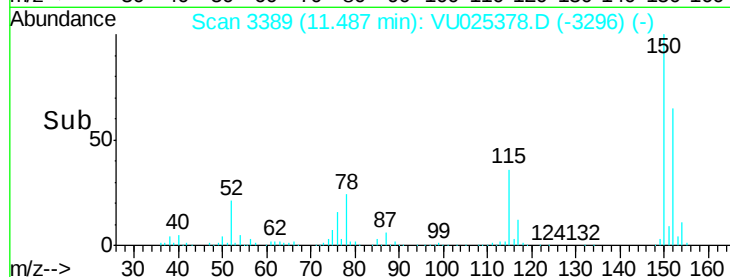
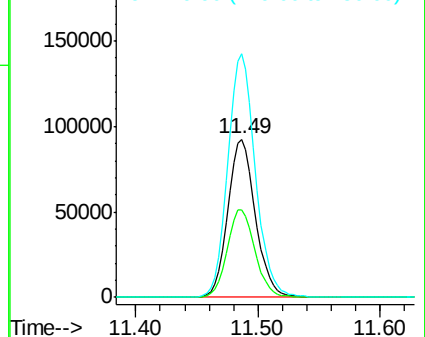
152 100

115 55.9 40.1 120.3

150 154.1 0.0 351.4



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: 7.955 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025378.D

Acq: 13 Jul 2018 07:40

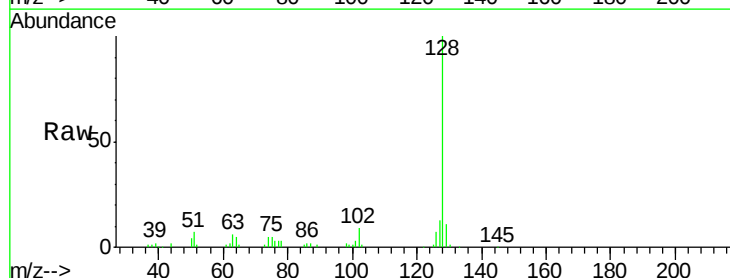
Tgt Ion:128 Resp: 62664

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

129 11.0 8.3 12.5



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

