

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025369.D
 Acq On : 13 Jul 2018 04:02
 Operator : MD/SY
 Sample : J3824-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HD-02-071018

Quant Time: Jul 13 05:42:08 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

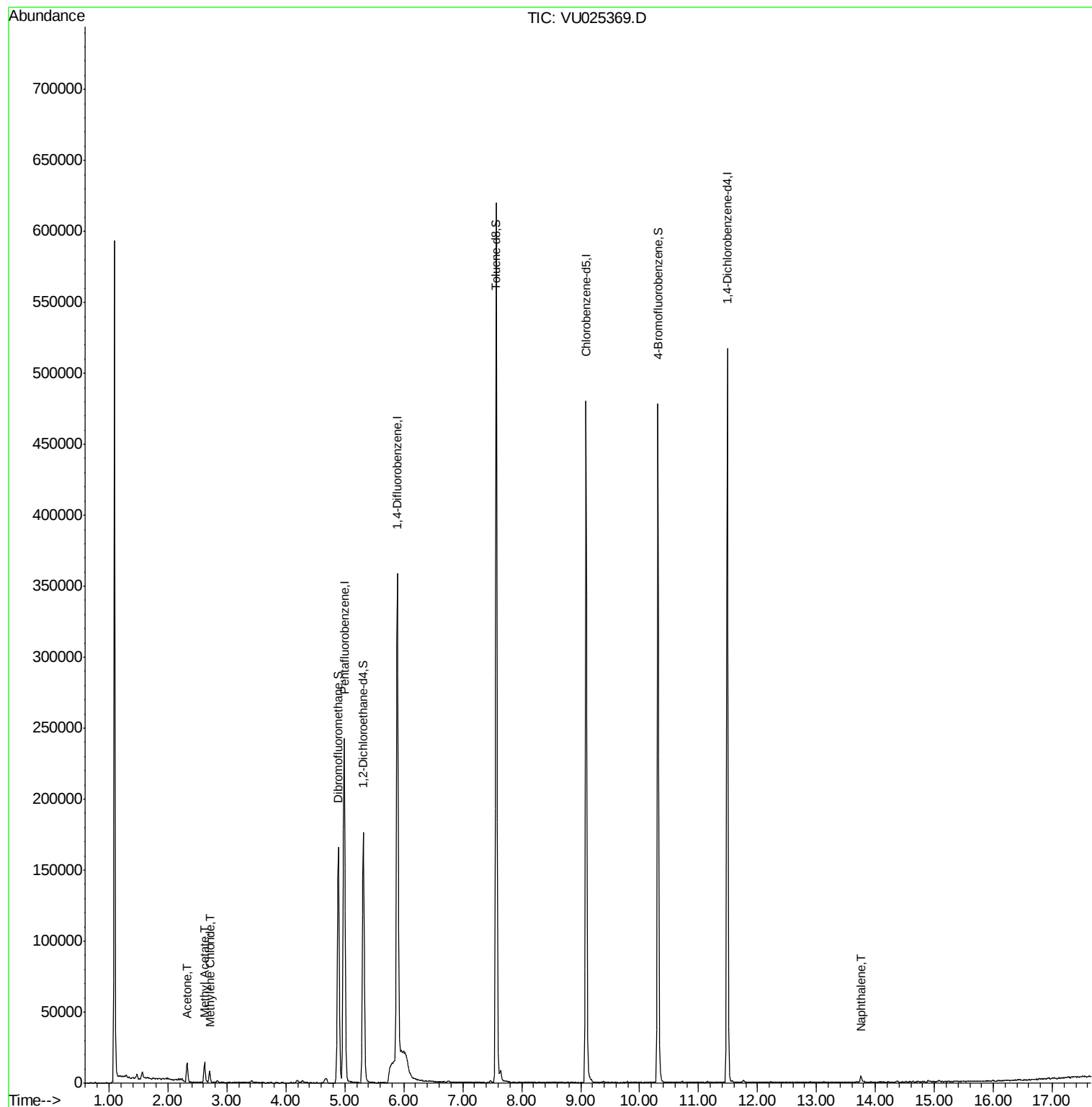
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	188464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289039	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	140077	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145121	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
35) Dibromofluoromethane	4.89	113	113723	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
50) Toluene-d8	7.57	98	414879	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.31	95	154618	46.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.00%	
Target Compounds						
16) Acetone	2.32	43	13900	13.989	ug/l	99
18) Methyl Acetate	2.62	43	17765	5.926	ug/l	99
20) Methylene Chloride	2.71	84	3655	2.283	ug/l	88
95) Naphthalene	13.75	128	5131	2.888	ug/l #	93

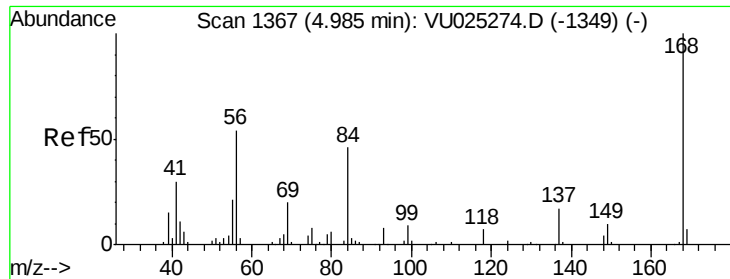
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025369.D

Acq: 13 Jul 2018 04:02

Instrument :

MSVOA_U

ClientSampleId :

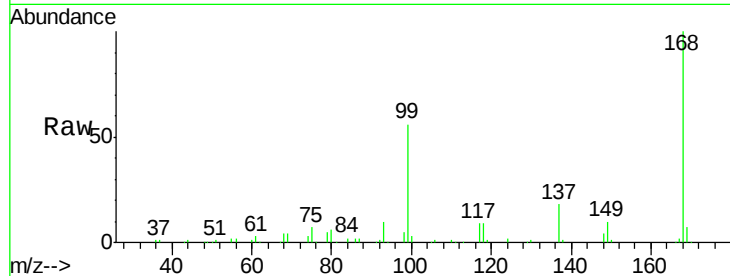
HD-02-071018

Tot Ion:168 Resp: 188464

Ion Ratio Lower Upper

168 100

99 56.4 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

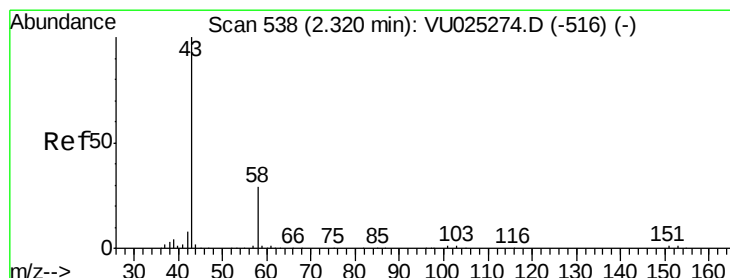
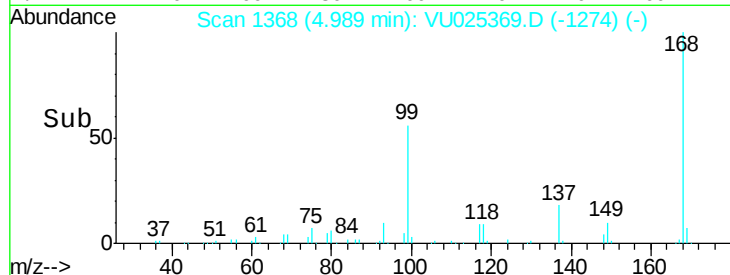
40000

20000

0

Time-->

4.90 4.95 5.00 5.05 5.10



#16

Acetone

Concen: 13.989 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025369.D

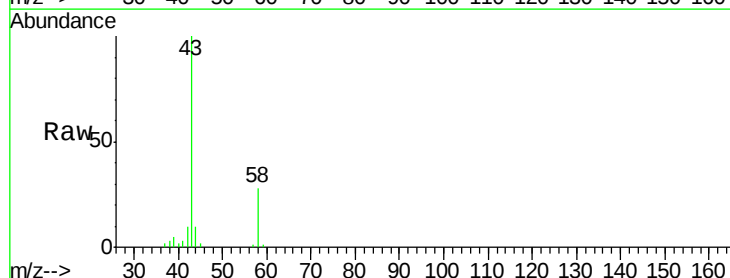
Acq: 13 Jul 2018 04:02

Tgt Ion: 43 Resp: 13900

Ion Ratio Lower Upper

43 100

58 28.5 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

8000

6000

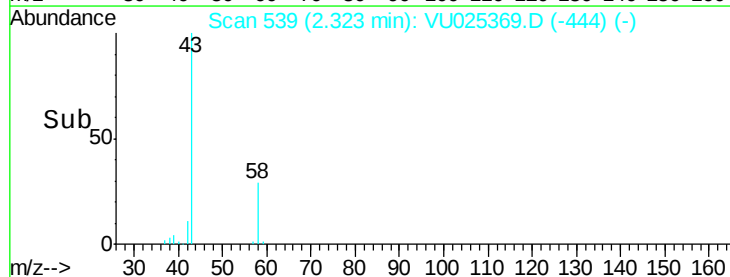
4000

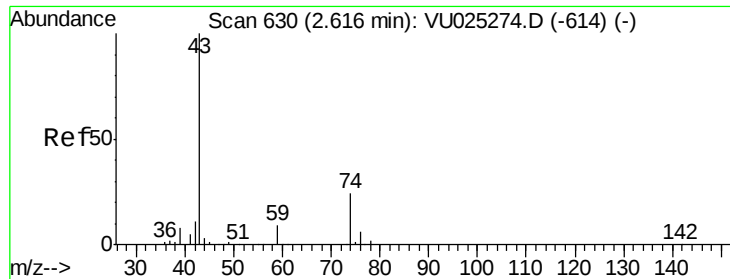
2000

0

Time-->

2.25 2.30 2.35 2.40

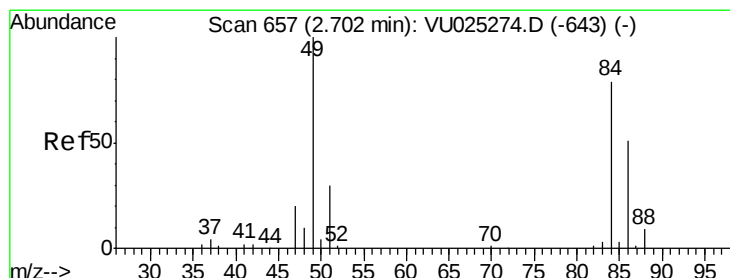
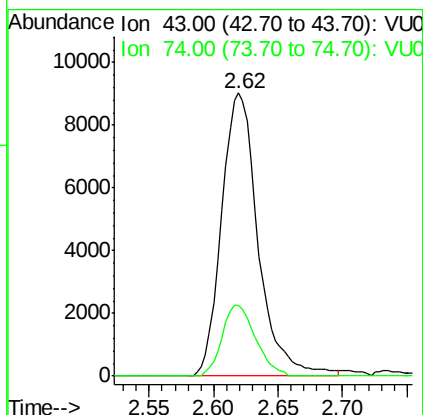
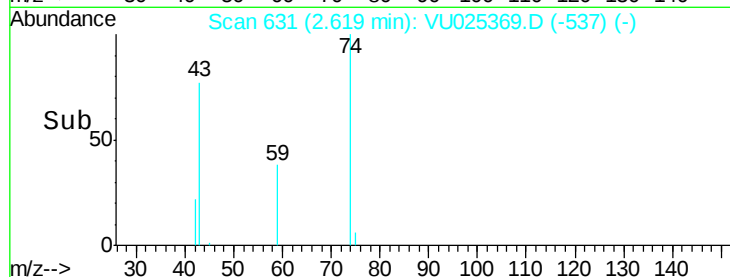
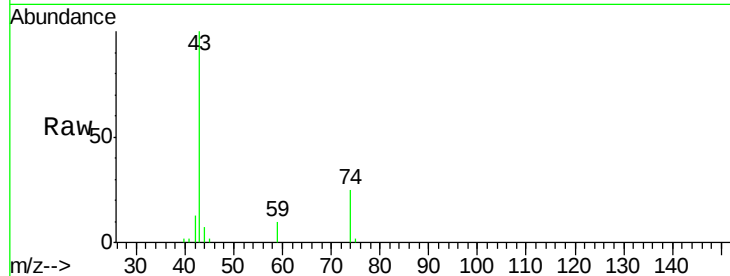




#18
Methyl Acetate
Concen: 5.926 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025369.D
Acq: 13 Jul 2018 04:02

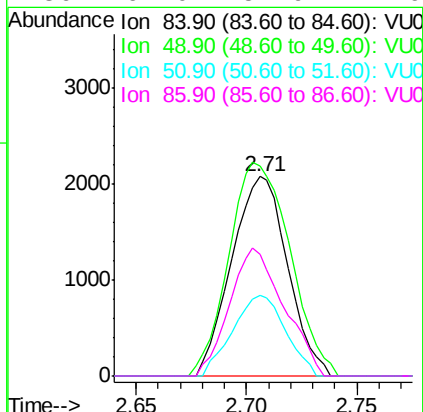
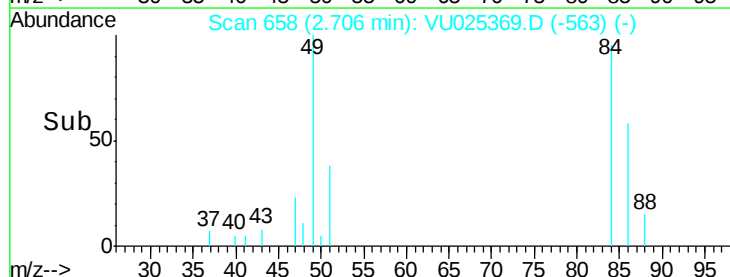
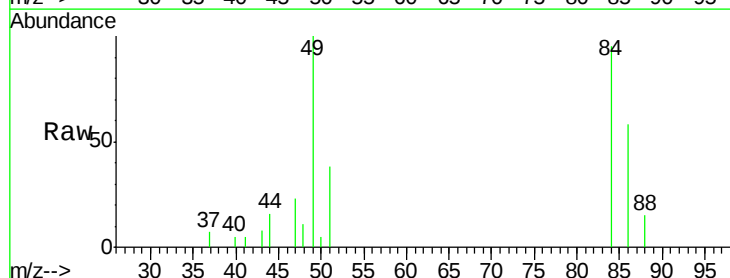
Instrument :
MSVOA_U
ClientSampleId :
HD-02-071018

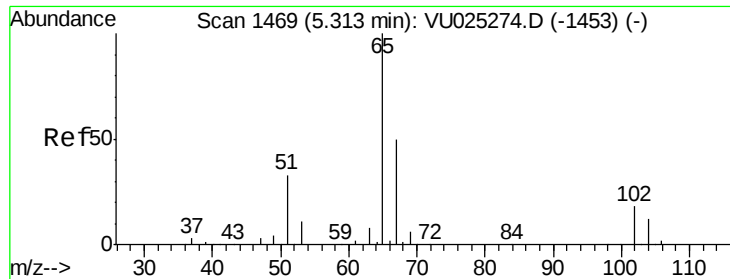
Tot Ion: 43 Resp: 17765
Ion Ratio Lower Upper
43 100
74 22.8 18.5 27.7



#20
Methylene Chloride
Concen: 2.283 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025369.D
Acq: 13 Jul 2018 04:02

Tgt Ion: 84 Resp: 3655
Ion Ratio Lower Upper
84 100
49 105.2 101.8 152.6
51 40.4 30.8 46.2
86 61.0 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 49.563 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025369.D

Acq: 13 Jul 2018 04:02

Instrument :

MSVOA_U

ClientSampleId :

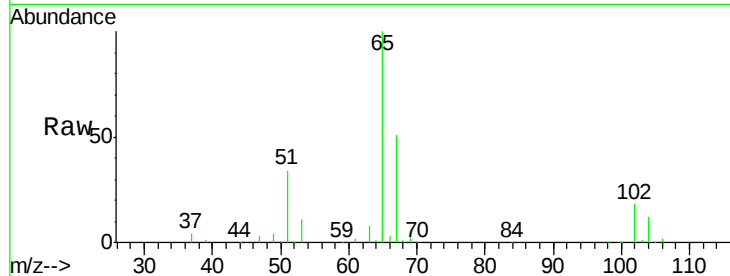
HD-02-071018

Tot Ion: 65 Resp: 145121

Ion Ratio Lower Upper

65 100

67 51.0 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

60000

40000

20000

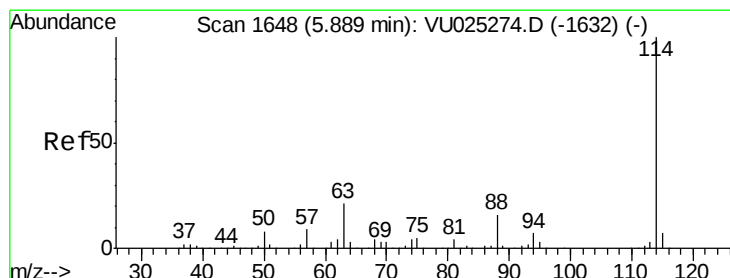
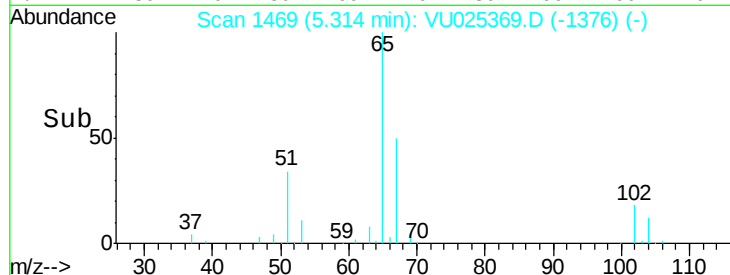
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025369.D

Acq: 13 Jul 2018 04:02

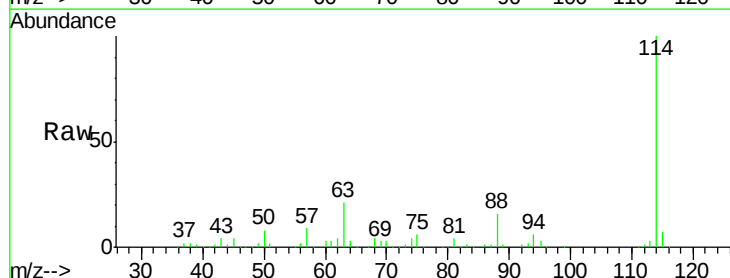
Tgt Ion: 114 Resp: 289039

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

88 15.8 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) (-)

5.89

200000

150000

100000

50000

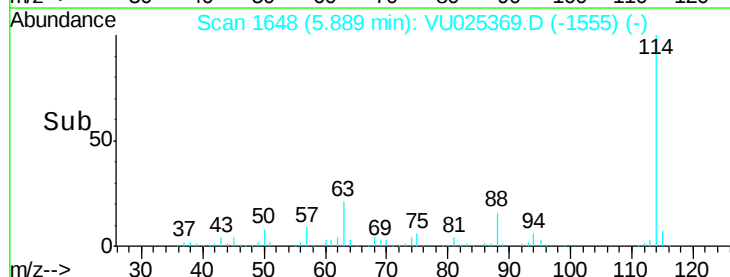
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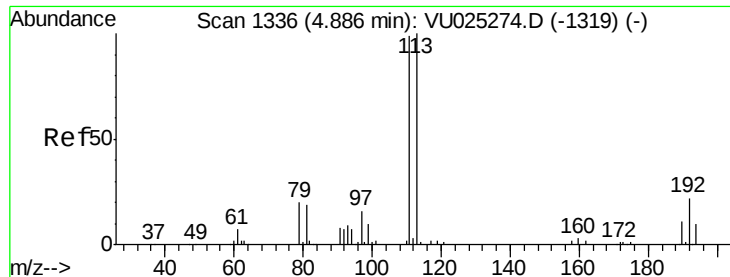
Time-->

5.80

5.90

6.00

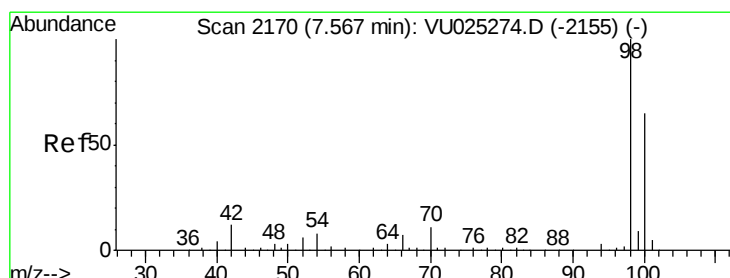
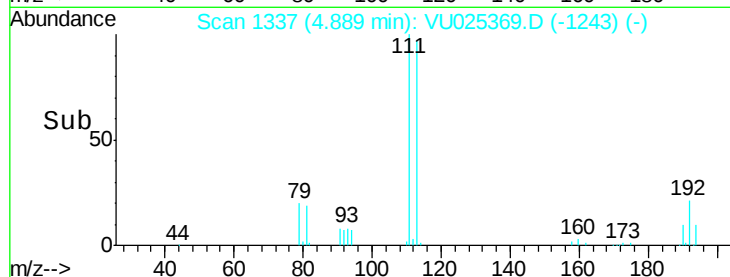
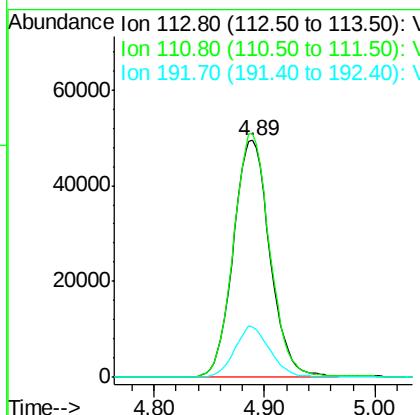
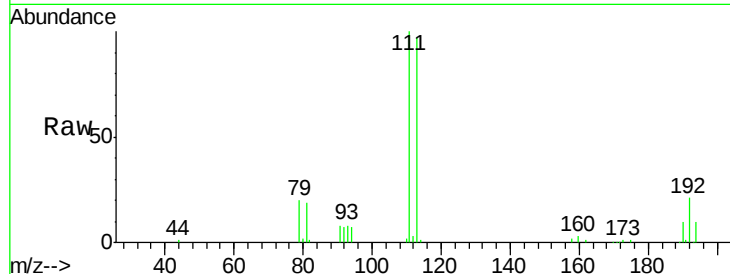




#35
 Dibromofluoromethane
 Concen: 46.640 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025369.D
 Acq: 13 Jul 2018 04:02

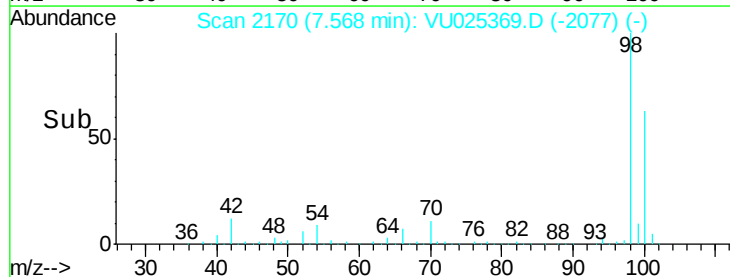
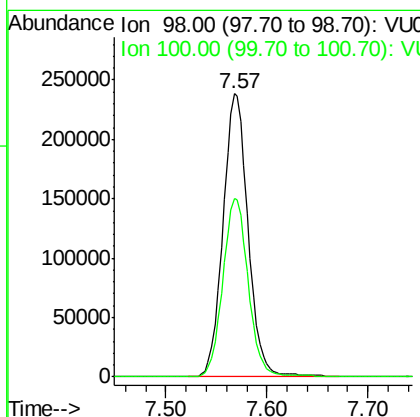
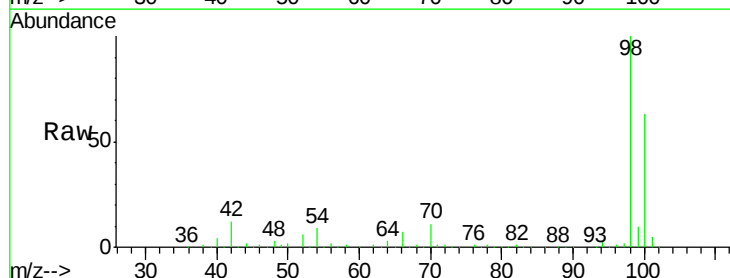
Instrument :
 MSVOA_U
 ClientSampleId :
 HD-02-071018

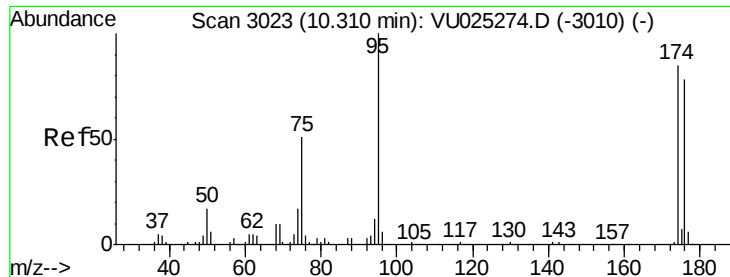
Tot Ion:113 Resp: 113723
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.7 122.5
 192 20.8 17.1 25.7



#50
 Toluene-d8
 Concen: 49.688 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025369.D
 Acq: 13 Jul 2018 04:02

Tgt Ion: 98 Resp: 414879
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7

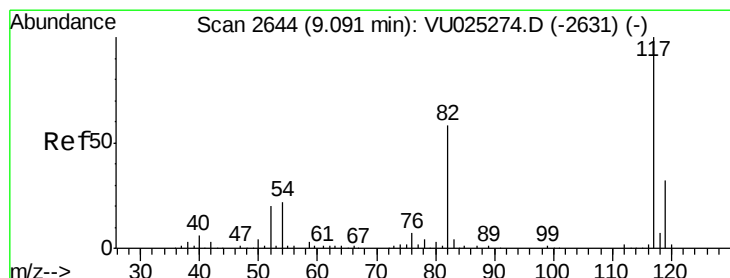
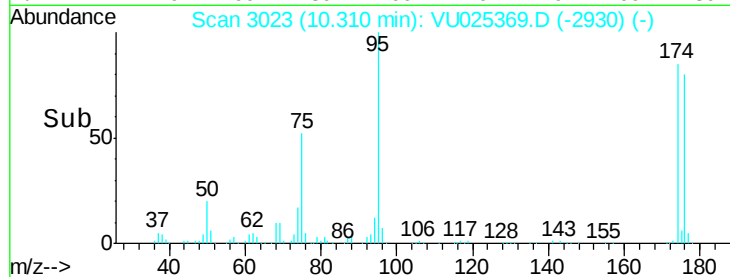
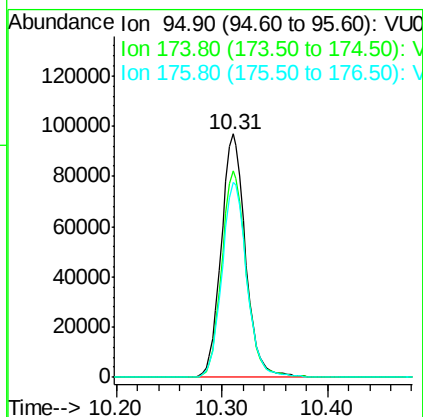
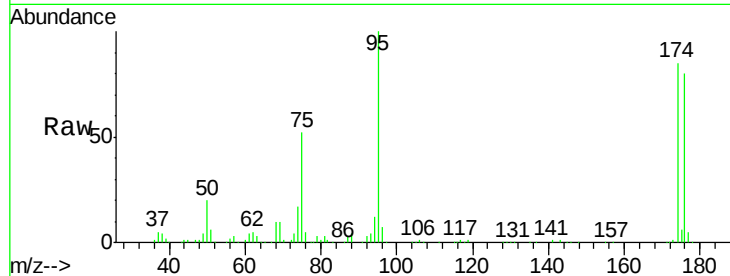




#62
4-Bromofluorobenzene
Concen: 45.996 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025369.D
Acq: 13 Jul 2018 04:02

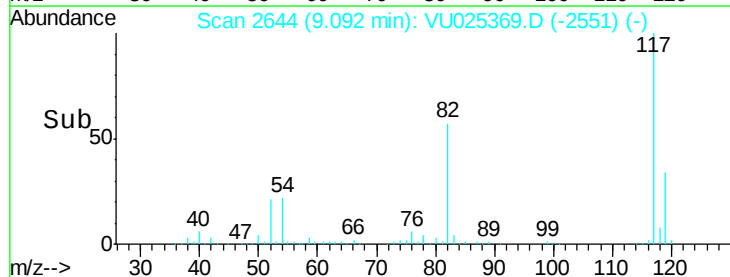
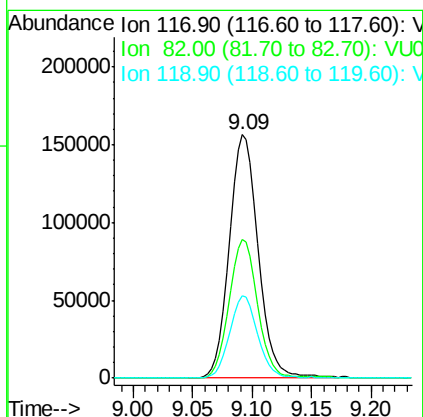
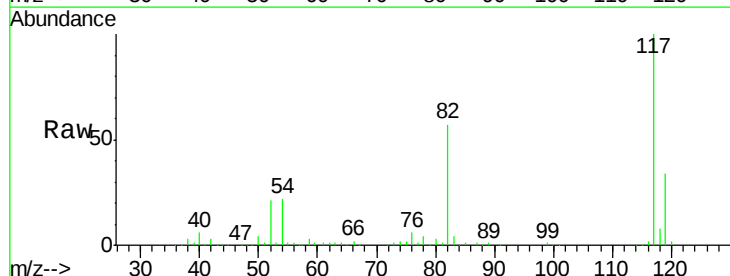
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ClientSampleId :
HD-02-071018

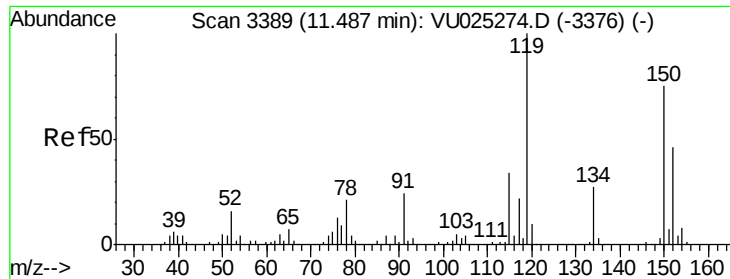
Tot Ion: 95 Resp: 154618
Ion Ratio Lower Upper
95 100
174 85.7 0.0 172.2
176 81.6 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025369.D
Acq: 13 Jul 2018 04:02

Tgt Ion: 117 Resp: 263837
Ion Ratio Lower Upper
117 100
82 57.2 46.0 69.0
119 33.7 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025369.D

Acq: 13 Jul 2018 04:02

Instrument :

MSVOA_U

ClientSampleId :

HD-02-071018

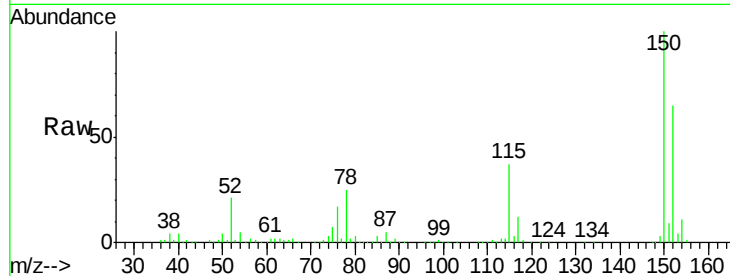
Tot Ion:152 Resp: 140077

Ion Ratio Lower Upper

152 100

115 56.1 40.1 120.3

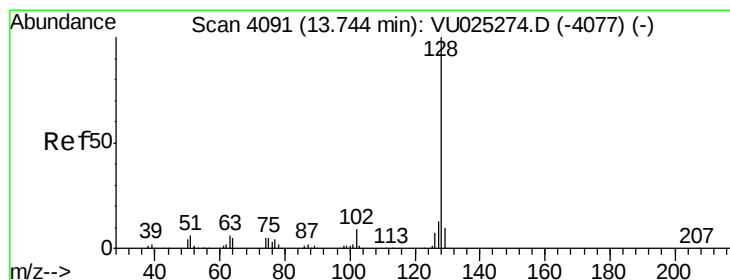
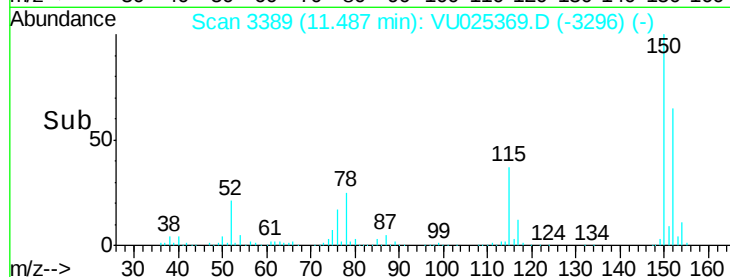
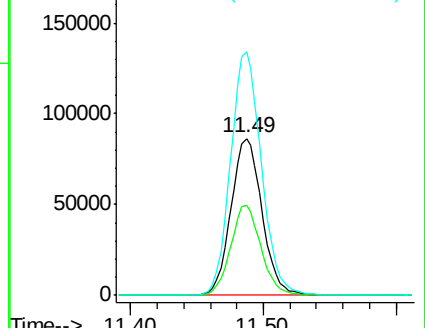
150 154.9 0.0 351.4



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: 2.888 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025369.D

Acq: 13 Jul 2018 04:02

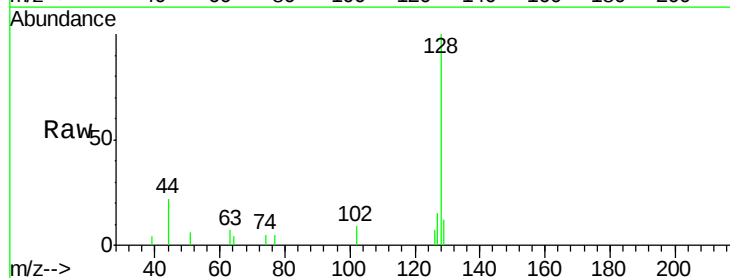
Tgt Ion:128 Resp: 5131

Ion Ratio Lower Upper

128 100

127 10.7 10.5 15.7

129 7.5 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

