

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027380.D
 Acq On : 04 Oct 2018 00:58
 Operator : MD/SY
 Sample : J5163-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2R

Quant Time: Oct 04 08:14:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

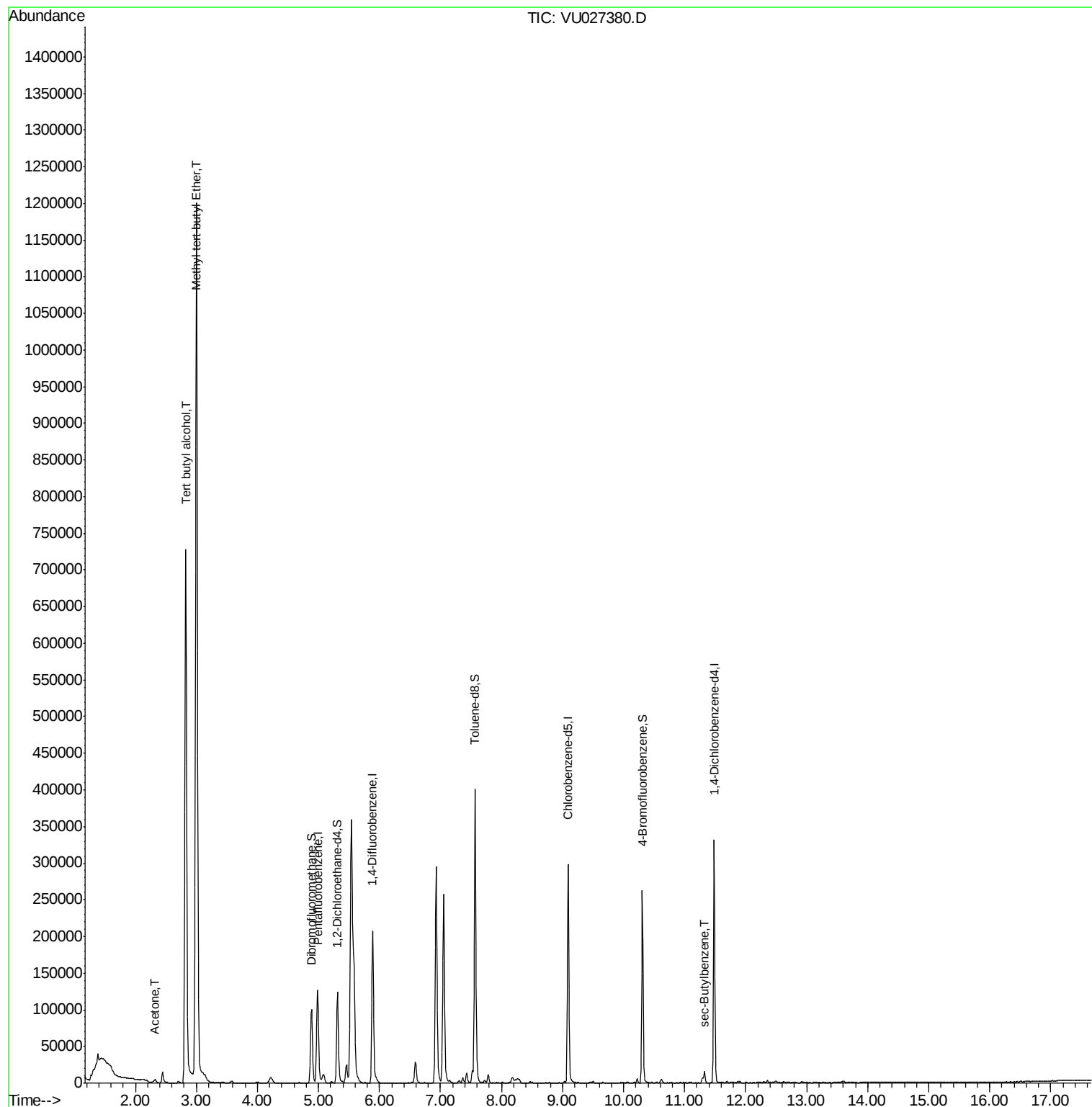
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	170977	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79147	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97866	63.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.24%	
35) Dibromofluoromethane	4.89	113	69374	59.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.42%	
50) Toluene-d8	7.57	98	265152	60.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.92%	
62) 4-Bromofluorobenzene	10.31	95	85498	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
Target Compounds						
11) Tert butyl alcohol	2.83	59	848397	2619.086	ug/l	98
16) Acetone	2.32	43	5505	6.058	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	1244501	319.193	ug/l	99
85) sec-Butylbenzene	11.32	105	9716	1.704	ug/l	96

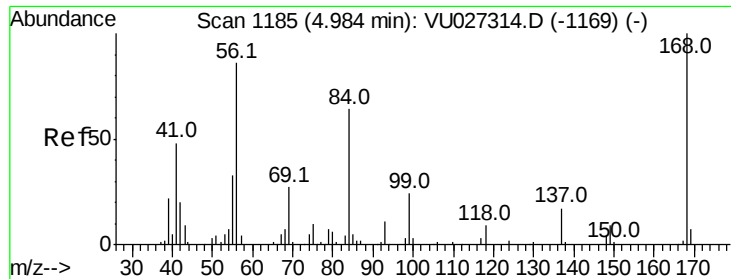
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

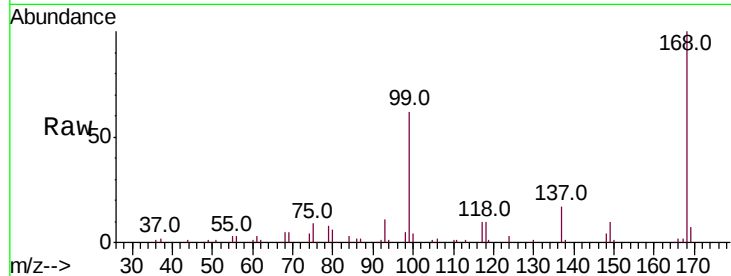
MW-2R

Tot Ion:168 Resp: 92120

Ion Ratio Lower Upper

168 100

99 61.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

40000

30000

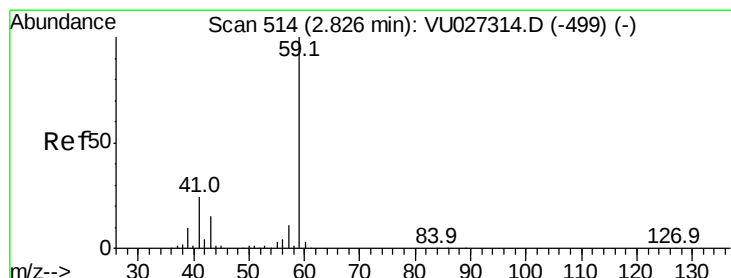
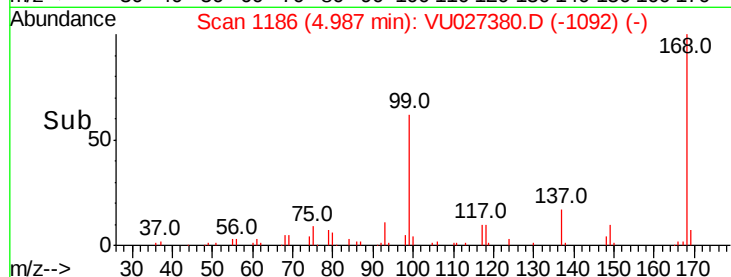
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2619.086 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU027380.D

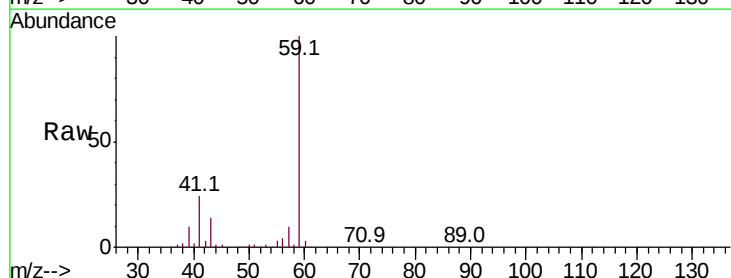
Acq: 04 Oct 2018 00:58

Tgt Ion: 59 Resp: 848397

Ion Ratio Lower Upper

59 100

57 9.9 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.83

400000

300000

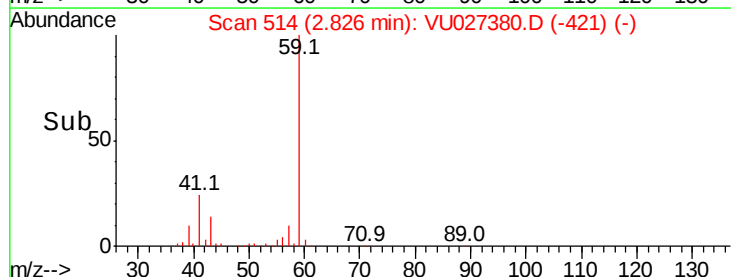
200000

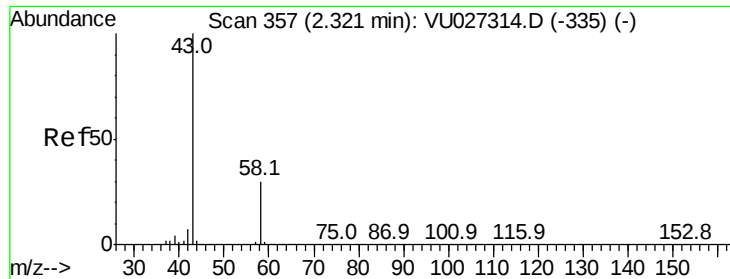
100000

0

2.70 2.80 2.90 3.00

Time-->





#16

Acetone

Concen: 6.058 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

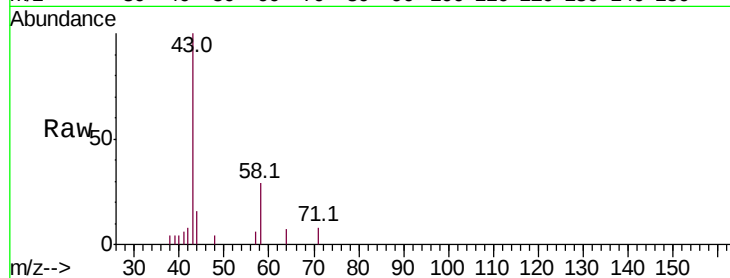
MW-2R

Tot Ion: 43 Resp: 5505

Ion Ratio Lower Upper

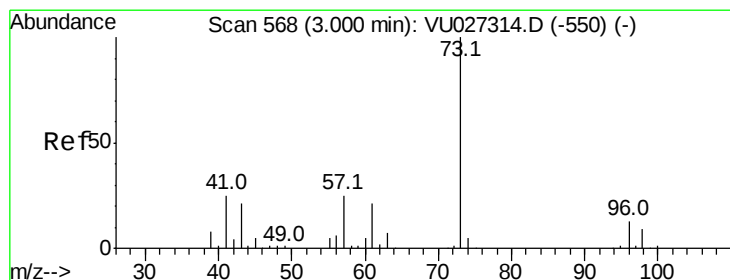
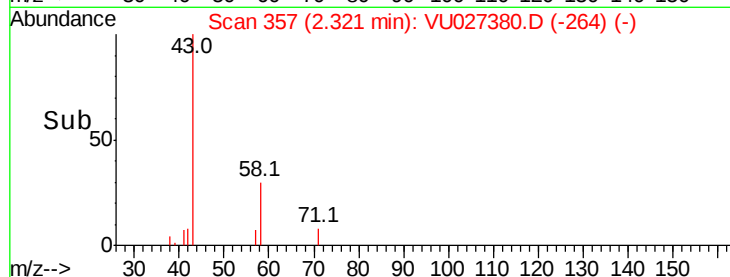
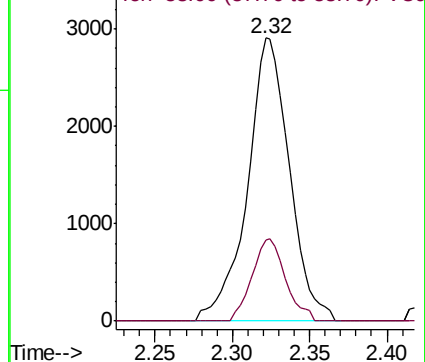
43 100

58 28.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#19

Methyl tert-butyl Ether

Concen: 319.193 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027380.D

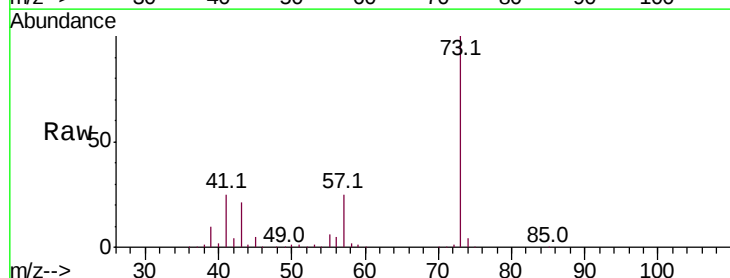
Acq: 04 Oct 2018 00:58

Tgt Ion: 73 Resp: 1244501

Ion Ratio Lower Upper

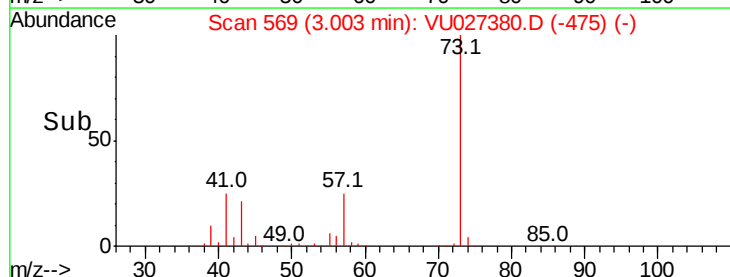
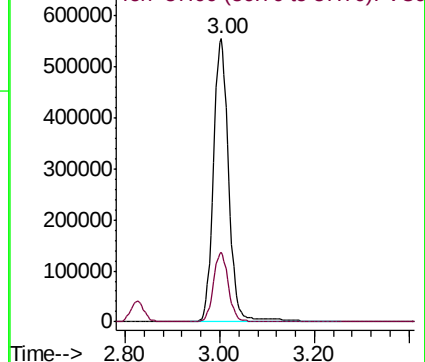
73 100

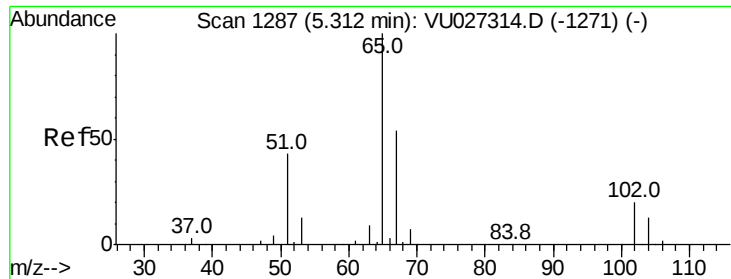
57 24.5 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

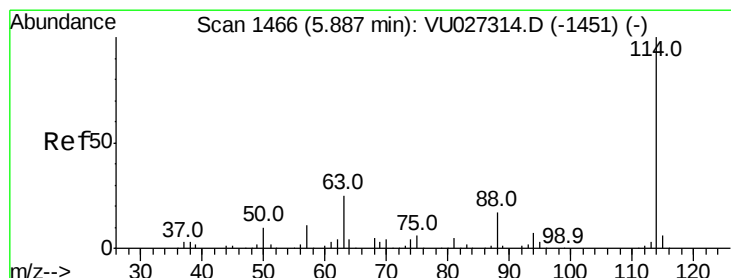
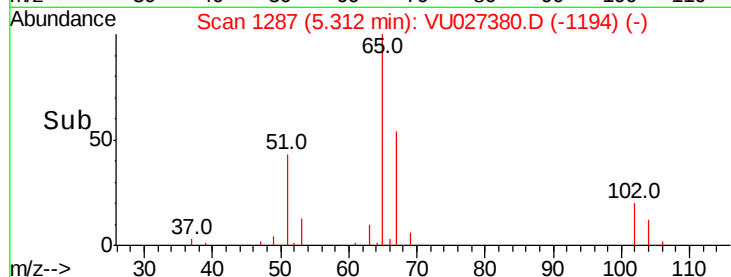
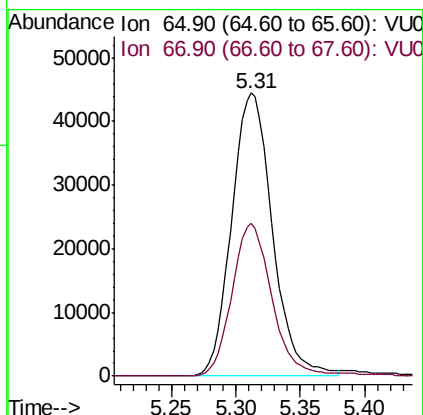
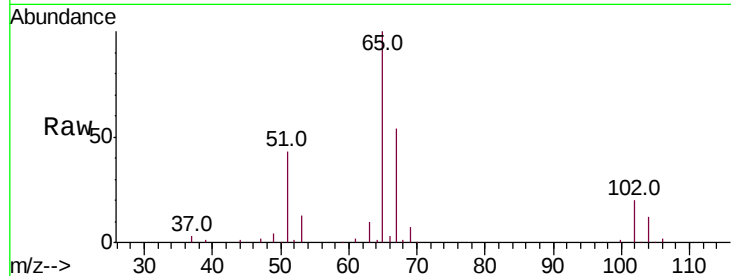




#33
 1,2-Dichloroethane-d4
 Concen: 63.622 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

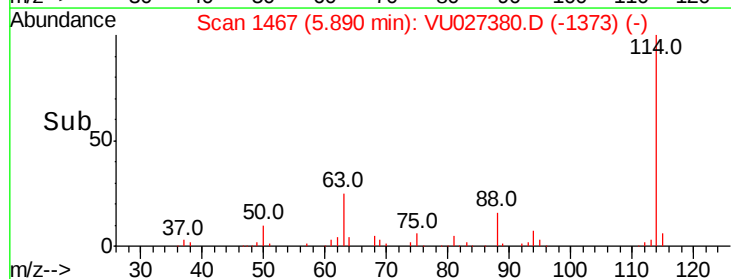
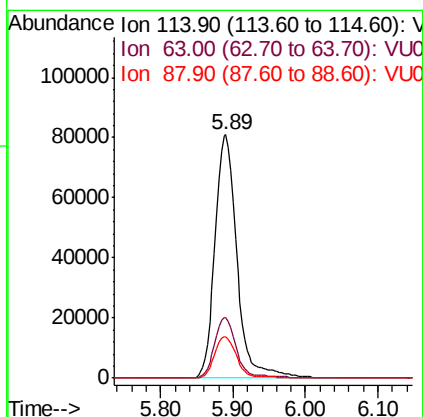
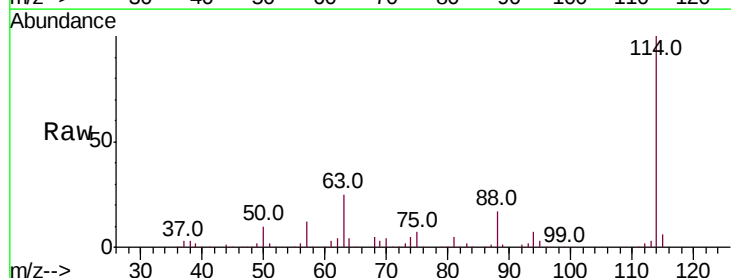
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2R

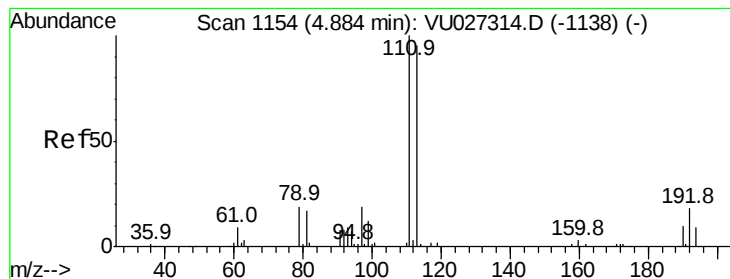
Tot Ion: 65 Resp: 97866
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion: 114 Resp: 170977
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 59.205 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

MW-2R

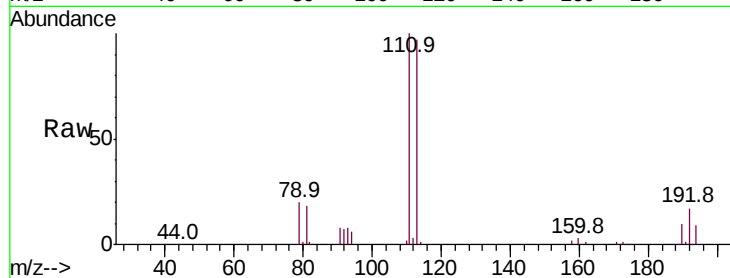
Tot Ion:113 Resp: 69374

Ion Ratio Lower Upper

113 100

111 103.5 83.1 124.7

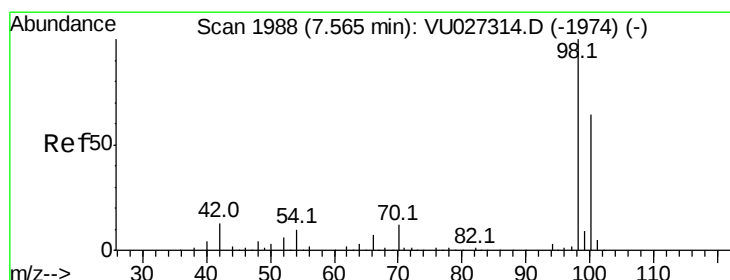
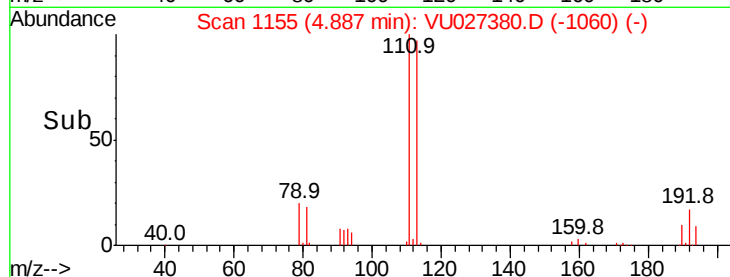
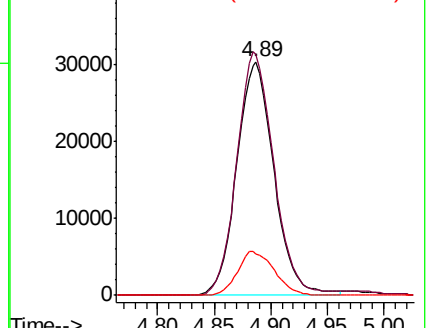
192 18.5 15.4 23.0



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



#50

Toluene-d8

Concen: 60.461 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027380.D

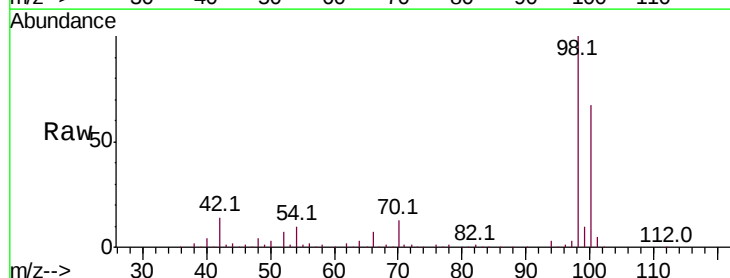
Acq: 04 Oct 2018 00:58

Tgt Ion: 98 Resp: 265152

Ion Ratio Lower Upper

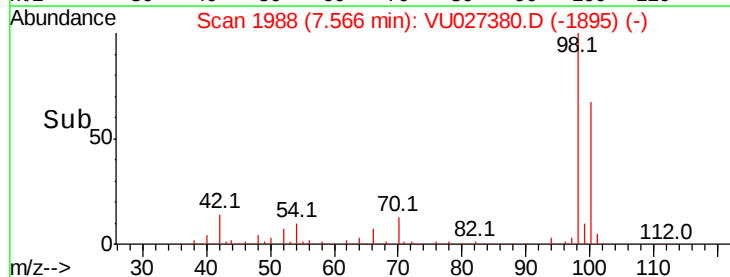
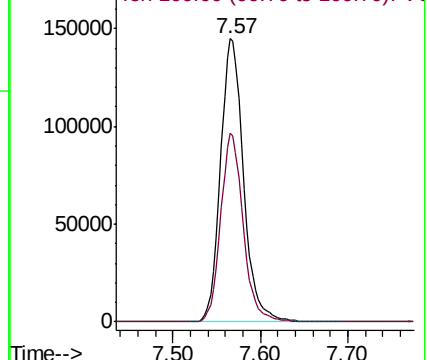
98 100

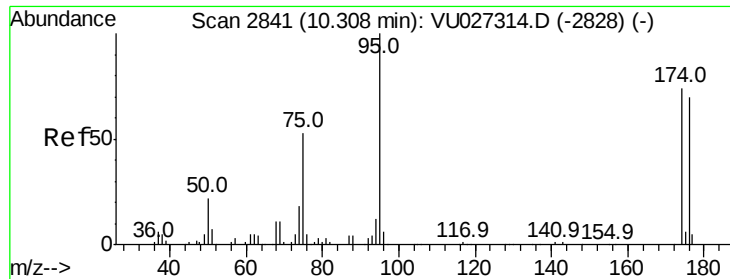
100 64.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 52.458 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

MW-2R

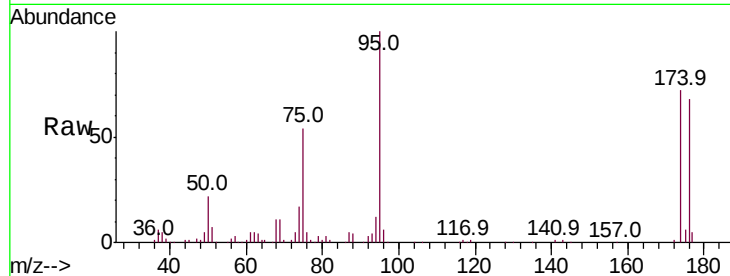
Tot Ion: 95 Resp: 85498

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.8

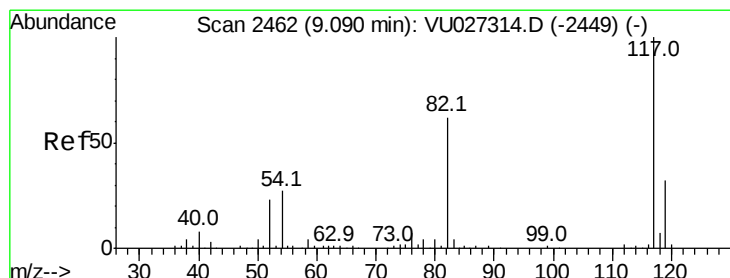
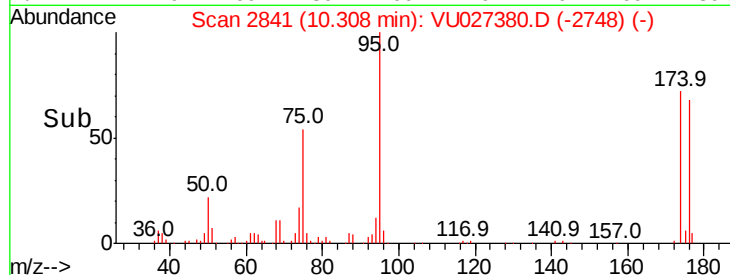
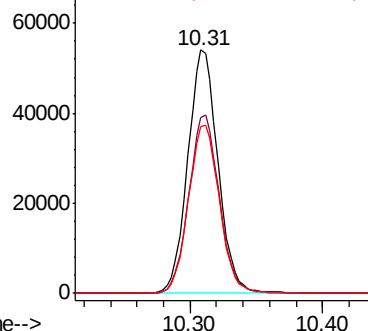
176 70.7 0.0 140.8



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# 2463

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

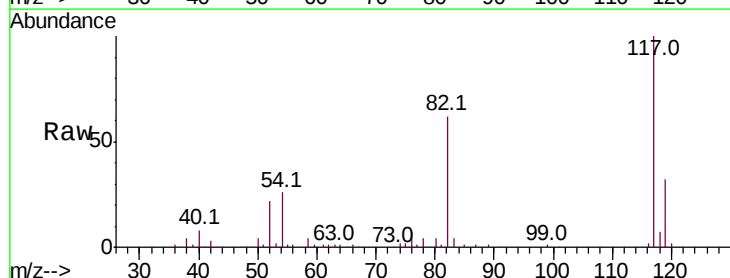
Tgt Ion: 117 Resp: 156418

Ion Ratio Lower Upper

117 100

82 62.4 49.2 73.8

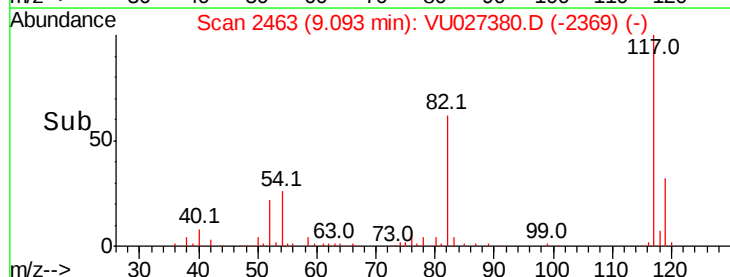
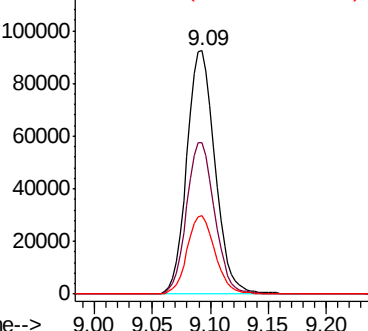
119 32.0 25.7 38.5

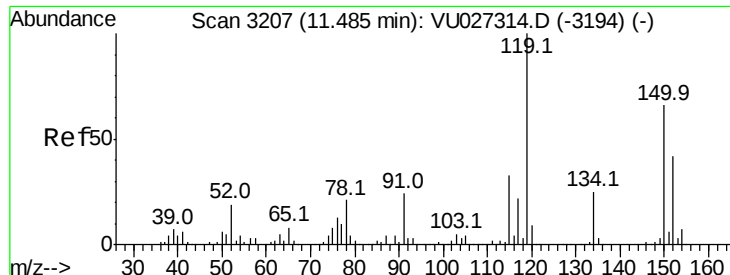


Abundance Ion 116.90 (116.60 to 117.60): V

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# 3207

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

MW-2R

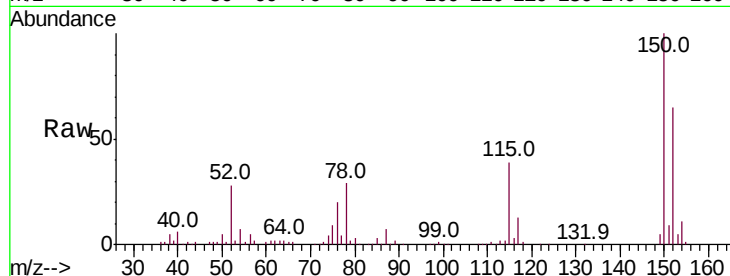
Tot Ion:152 Resp: 79147

Ion Ratio Lower Upper

152 100

115 60.6 43.4 130.2

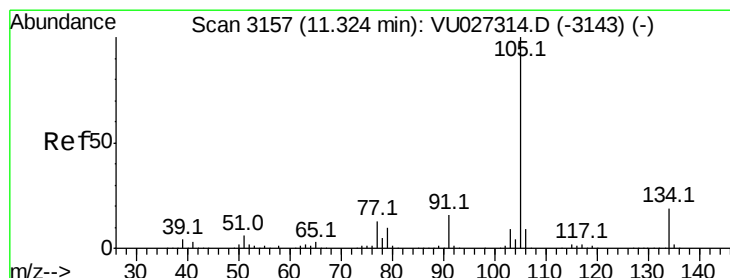
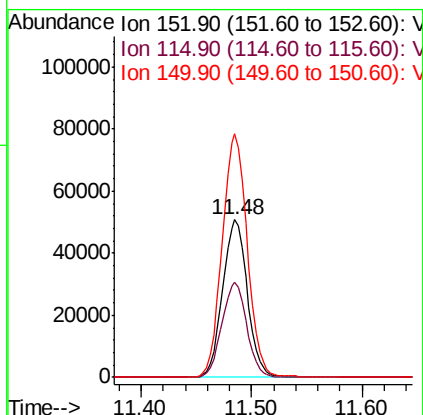
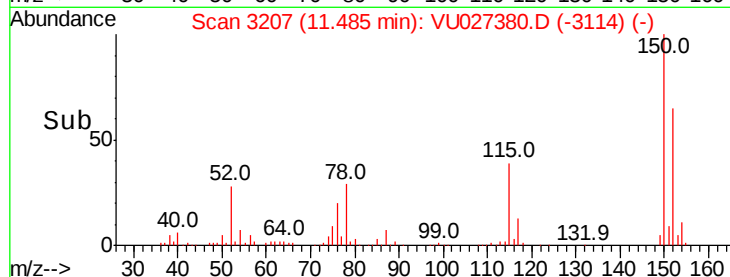
150 155.9 0.0 349.2



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



#85

sec-Butylbenzene

Concen: 1.704 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027380.D

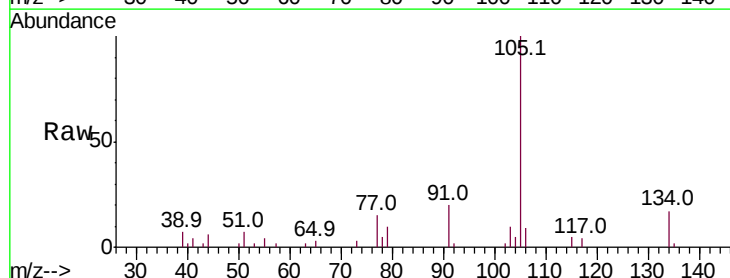
Acq: 04 Oct 2018 00:58

Tgt Ion:105 Resp: 9716

Ion Ratio Lower Upper

105 100

134 17.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

