

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028630.D
 Acq On : 12 Dec 2018 00:29
 Operator : MD/SY
 Sample : J6298-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ENGINE-WASH

Quant Time: Dec 12 05:50:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

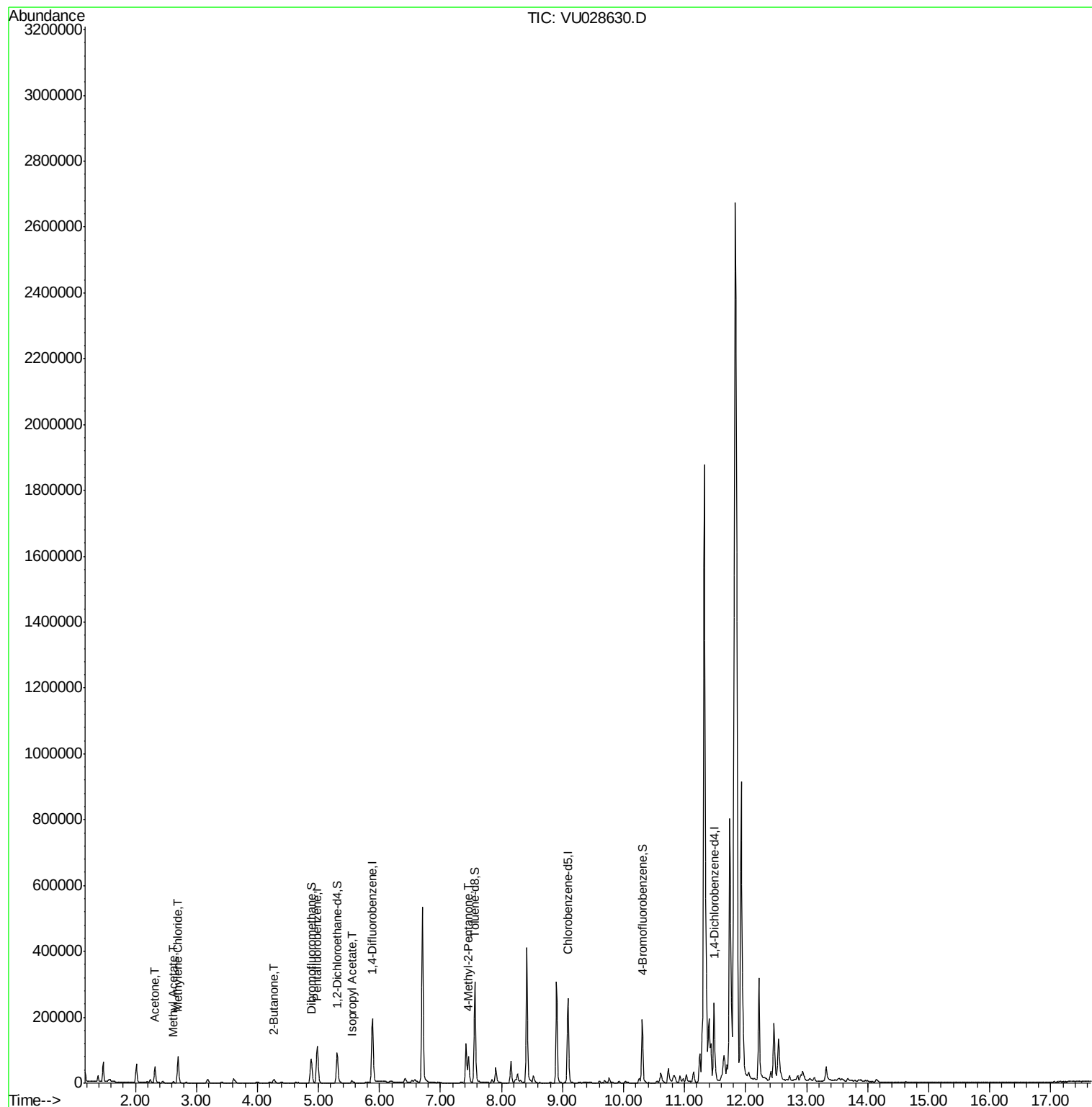
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	84525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	153723	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	69768	54.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.18%	
35) Dibromofluoromethane	4.88	113	51249	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
50) Toluene-d8	7.56	98	197297	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	10.31	95	65018	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
Target Compounds						
16) Acetone	2.32	43	49725	59.075	ug/l	99
18) Methyl Acetate	2.62	43	5886	2.698	ug/l	94
20) Methylene Chloride	2.70	84	32403	26.114	ug/l	98
25) 2-Butanone	4.27	43	20963	18.224	ug/l	96
43) Isopropyl Acetate	5.55	43	10713	3.115	ug/l #	90
51) 4-Methyl-2-Pentanone	7.46	43	57526	26.518	ug/l	99

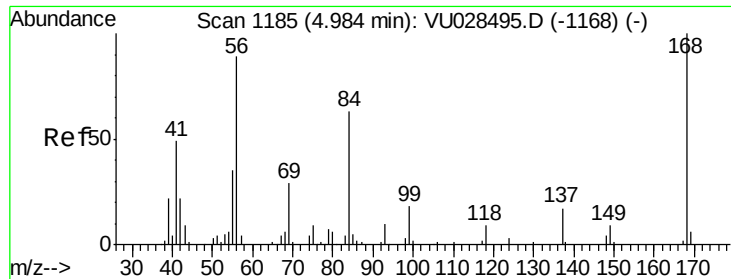
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121318\
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Quant Time: Dec 12 05:50:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028630.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_U

ClientSampleId :

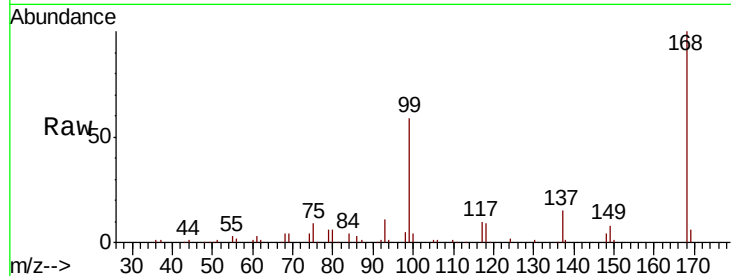
ENGINE-WASH

Tot Ion:168 Resp: 84525

Ion Ratio Lower Upper

168 100

99 59.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028630.D (-1092) (-)

4.98

40000

30000

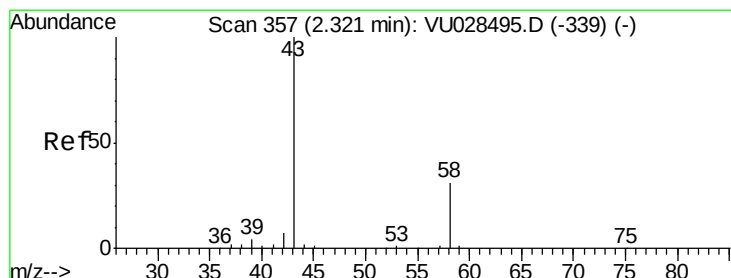
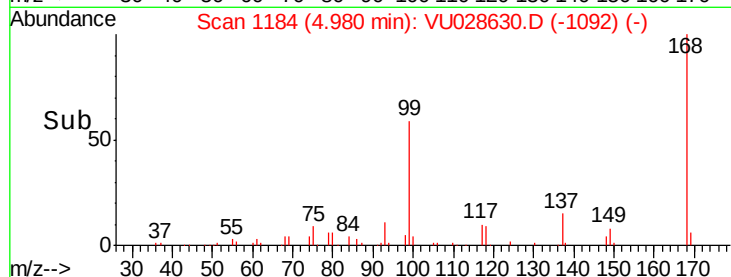
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 59.075 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028630.D

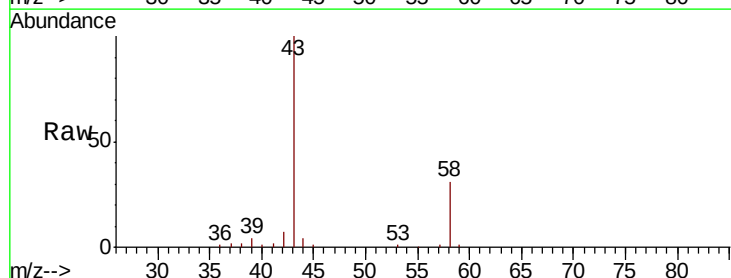
Acq: 12 Dec 2018 00:29

Tgt Ion: 43 Resp: 49725

Ion Ratio Lower Upper

43 100

58 31.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VU028630.D (-264) (-)

2.32

30000

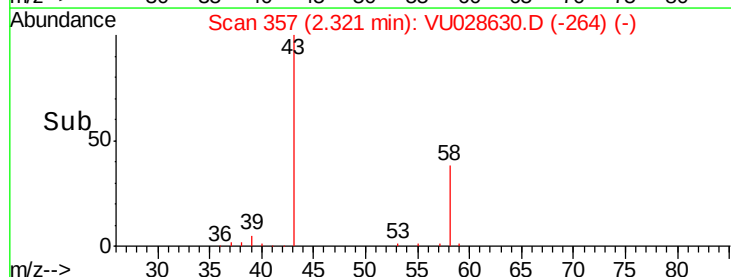
20000

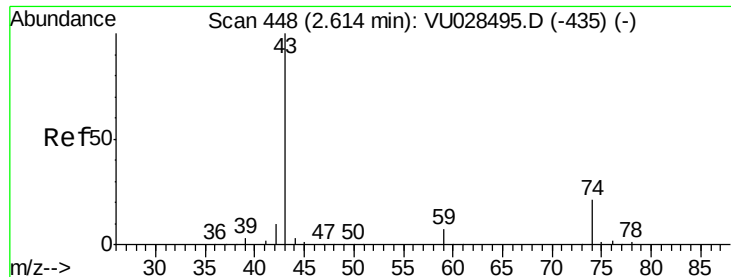
10000

0

2.25 2.30 2.35 2.40

Time-->

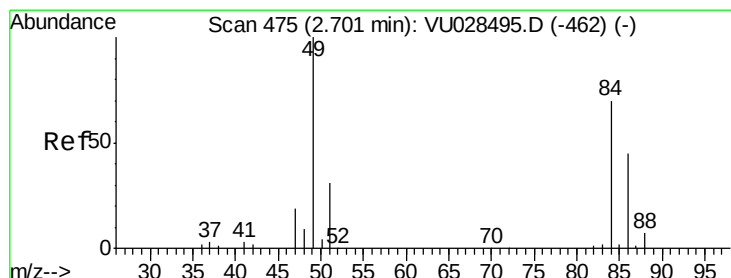
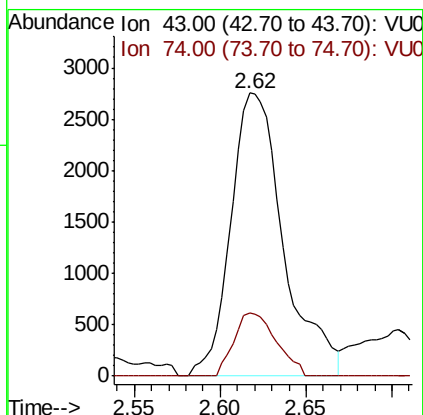
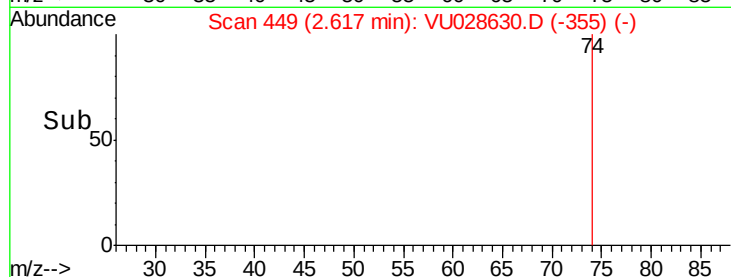
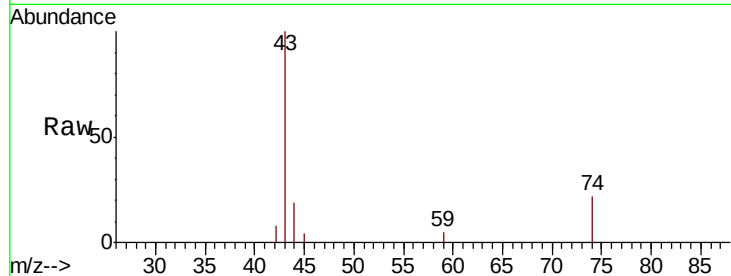




#18
Methyl Acetate
Concen: 2.698 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028630.D
Acq: 12 Dec 2018 00:29

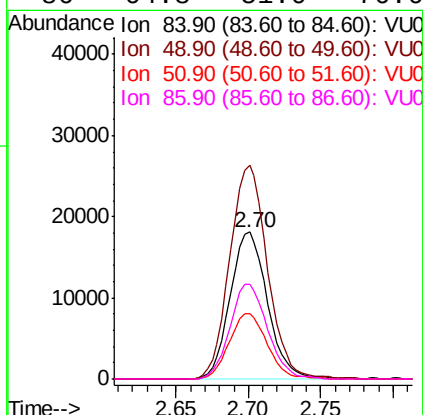
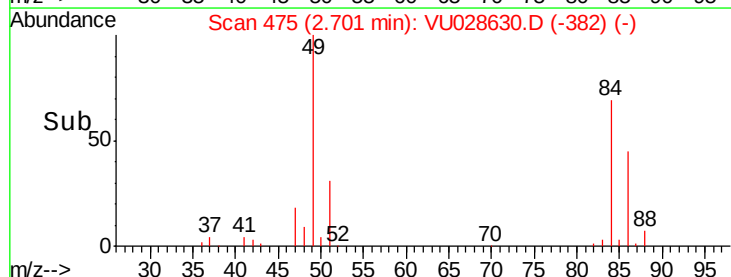
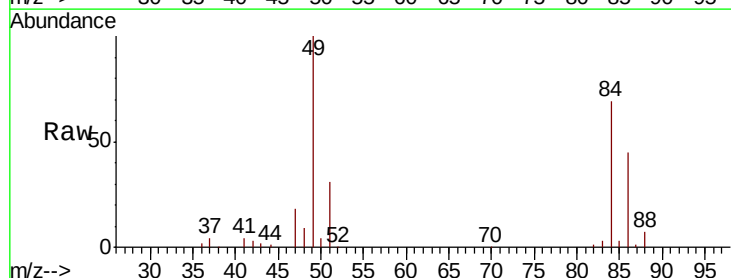
Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

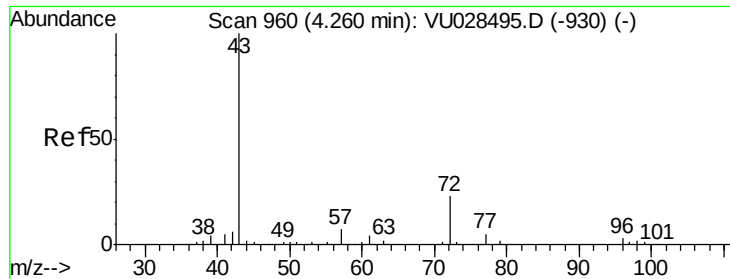
Tot Ion: 43 Resp: 5886
Ion Ratio Lower Upper
43 100
74 17.9 16.4 24.6



#20
Methylene Chloride
Concen: 26.114 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028630.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 84 Resp: 32403
Ion Ratio Lower Upper
84 100
49 145.7 114.0 171.0
51 44.5 35.1 52.7
86 64.8 51.0 76.6





#25

2-Butanone

Concen: 18.224 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028630.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_U

ClientSampleId :

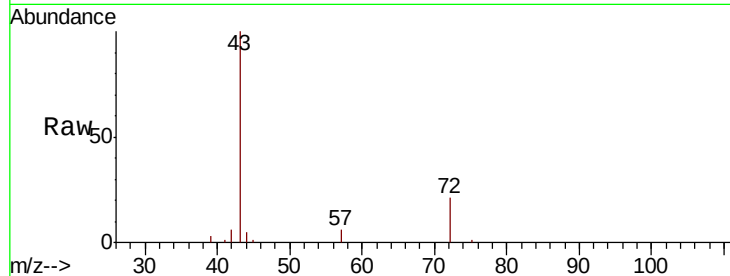
ENGINE-WASH

Tot Ion: 43 Resp: 20963

Ion Ratio Lower Upper

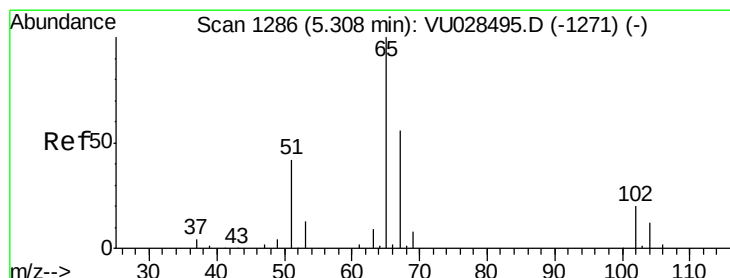
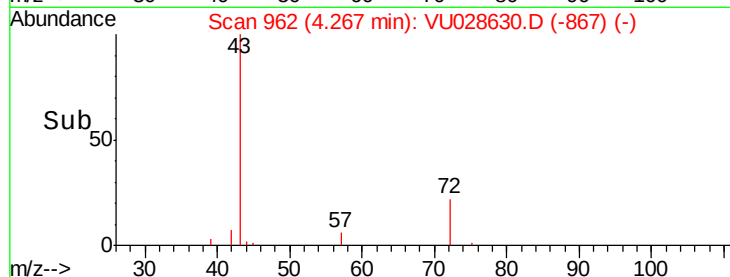
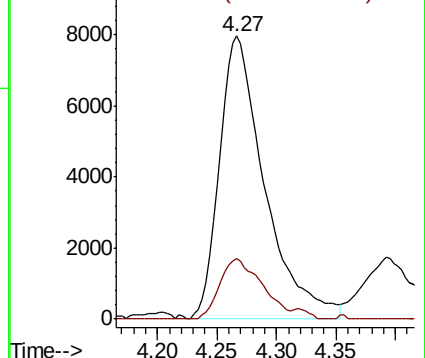
43 100

72 21.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 54.088 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028630.D

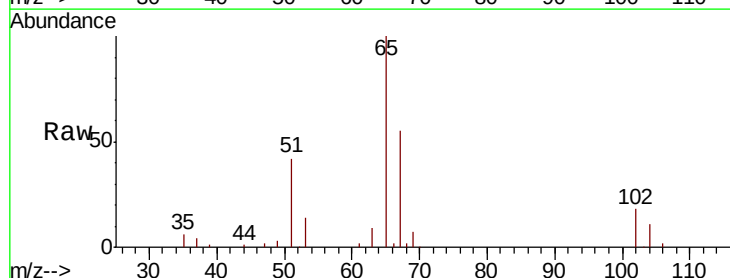
Acq: 12 Dec 2018 00:29

Tgt Ion: 65 Resp: 69768

Ion Ratio Lower Upper

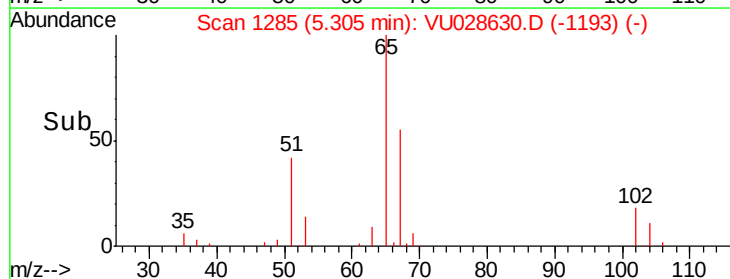
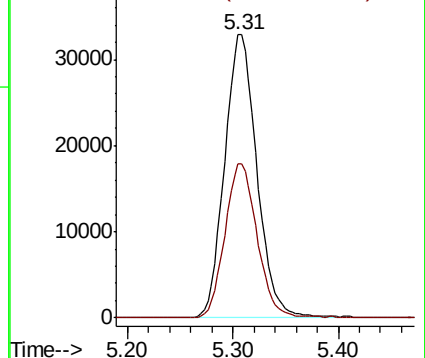
65 100

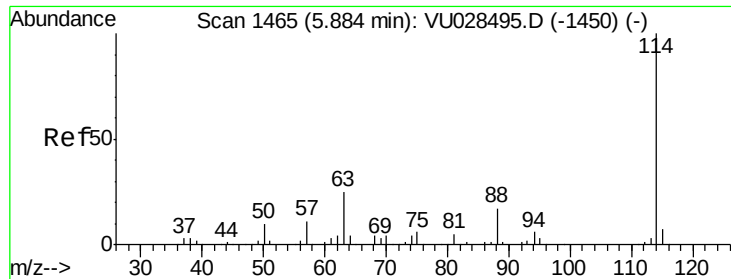
67 54.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

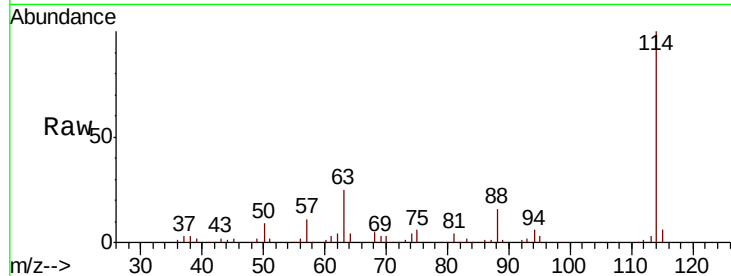




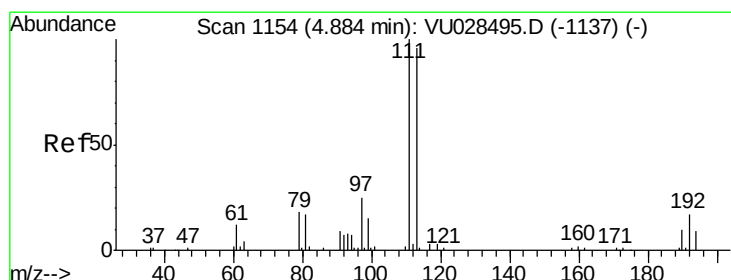
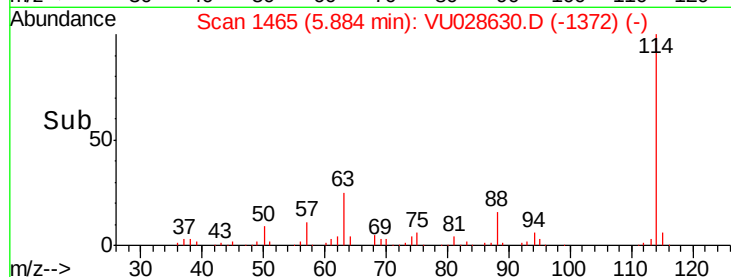
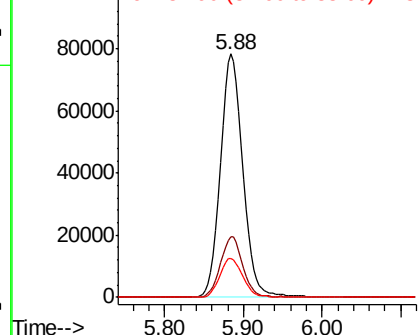
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028630.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_U
 ClientSampleId :
 ENGINE-WASH

Tot Ion:114 Resp: 153723
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.1 0.0 33.4

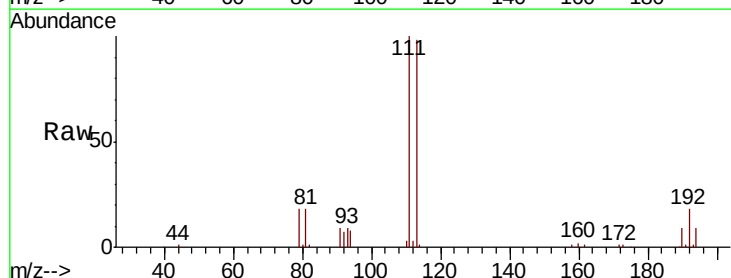


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

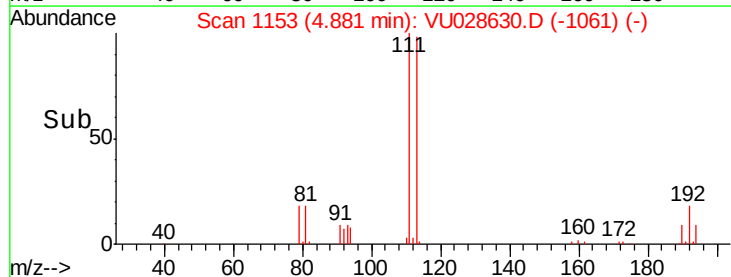
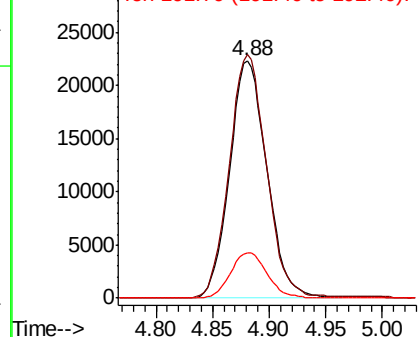


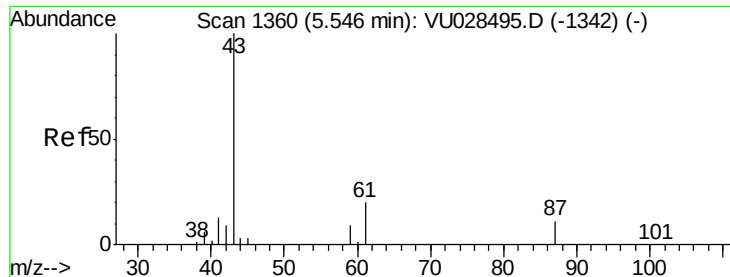
#35
 Dibromofluoromethane
 Concen: 52.977 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028630.D
 Acq: 12 Dec 2018 00:29

Tgt Ion:113 Resp: 51249
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.0
 192 18.7 14.8 22.2



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: 3.115 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028630.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_U

ClientSampleId :

ENGINE-WASH

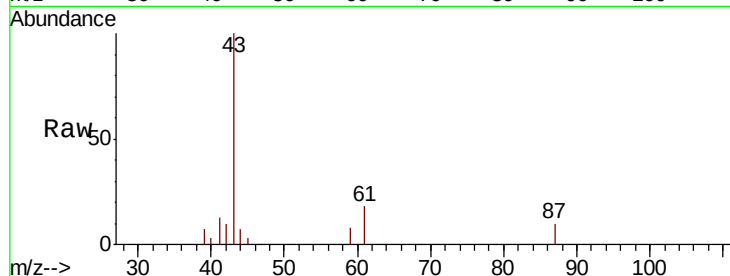
Tot Ion: 43 Resp: 10713

Ion Ratio Lower Upper

43 100

61 14.2 15.5 23.3#

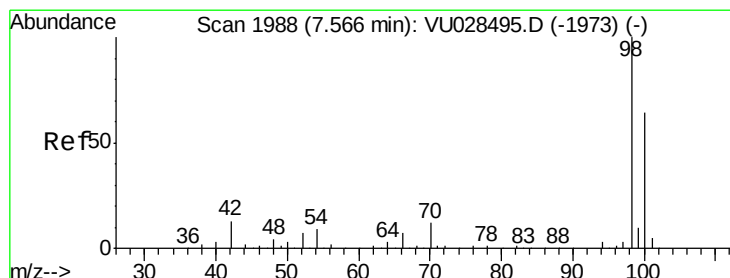
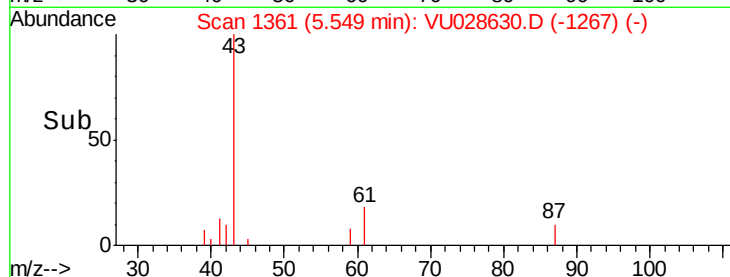
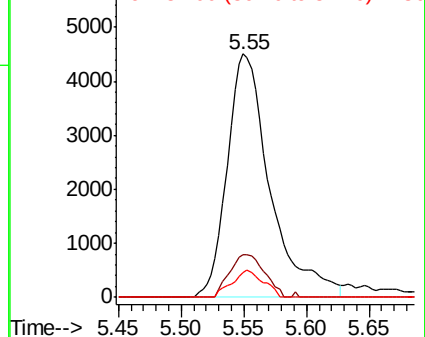
87 8.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 51.556 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028630.D

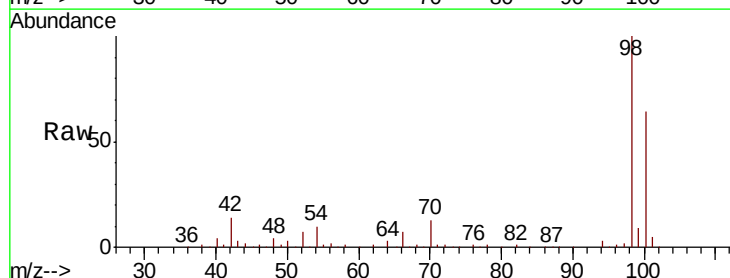
Acq: 12 Dec 2018 00:29

Tgt Ion: 98 Resp: 197297

Ion Ratio Lower Upper

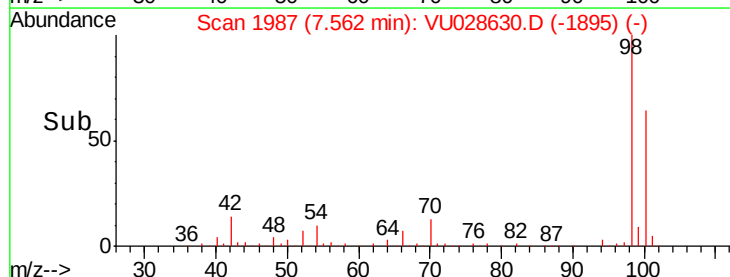
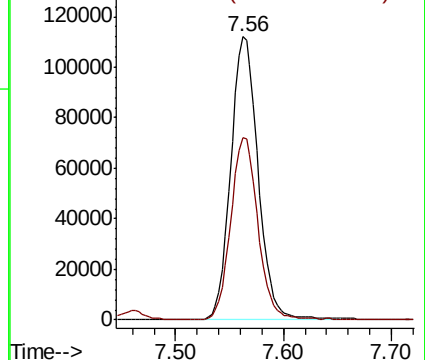
98 100

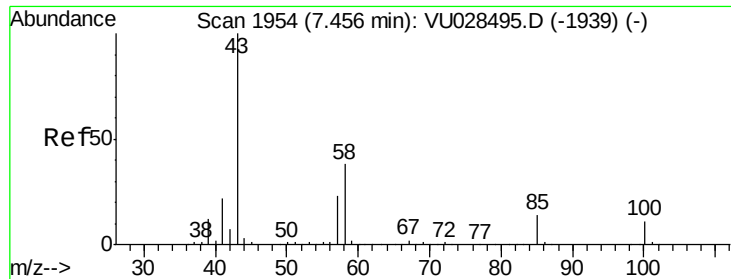
100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 26.518 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028630.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_U

ClientSampleId :

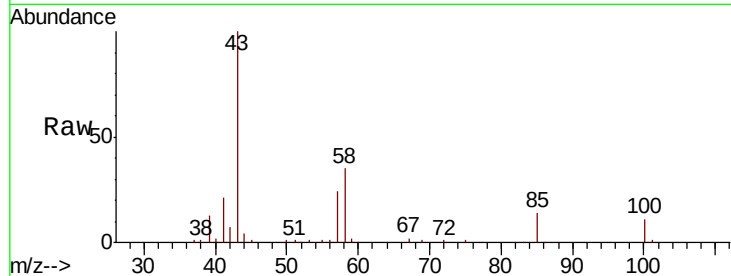
ENGINE-WASH

Tot Ion: 43 Resp: 57526

Ion Ratio Lower Upper

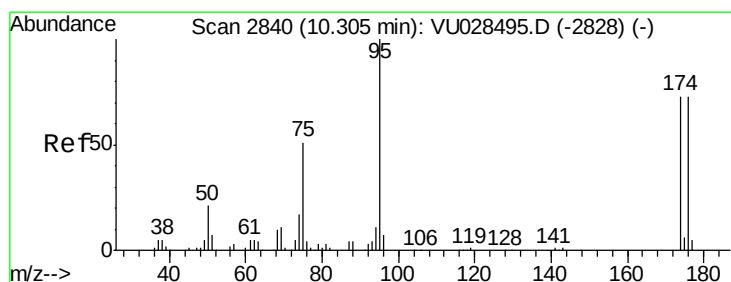
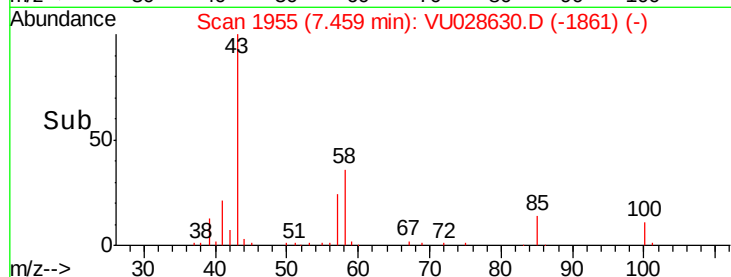
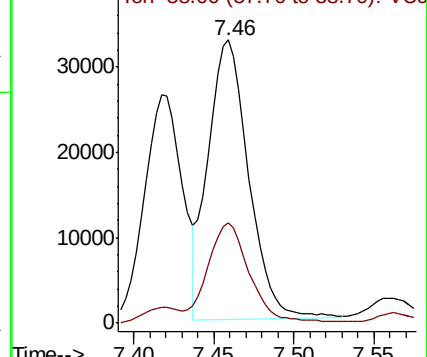
43 100

58 37.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.457 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028630.D

Acq: 12 Dec 2018 00:29

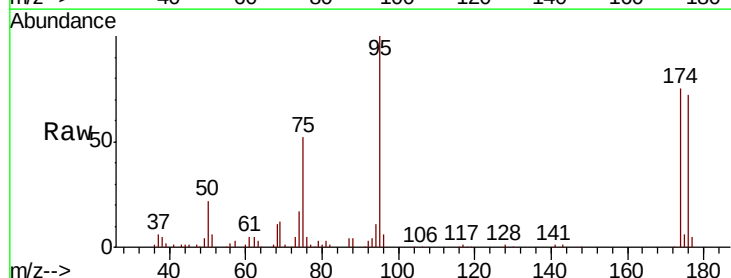
Tgt Ion: 95 Resp: 65018

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

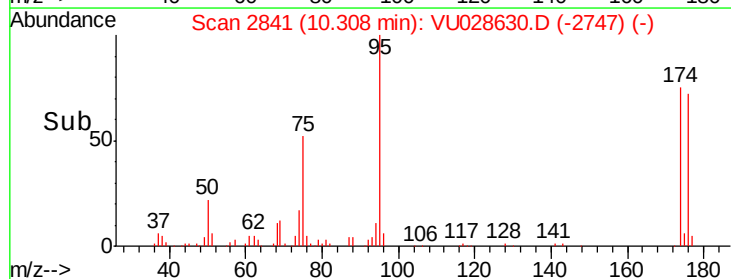
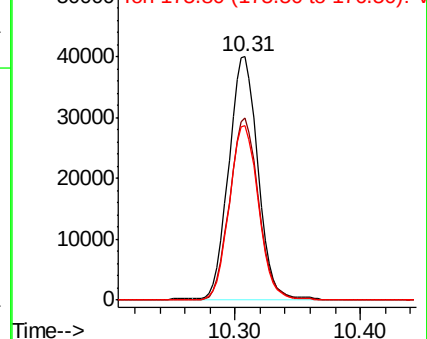
176 71.6 0.0 145.2

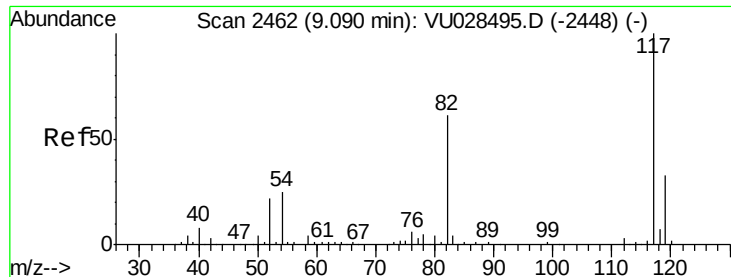


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

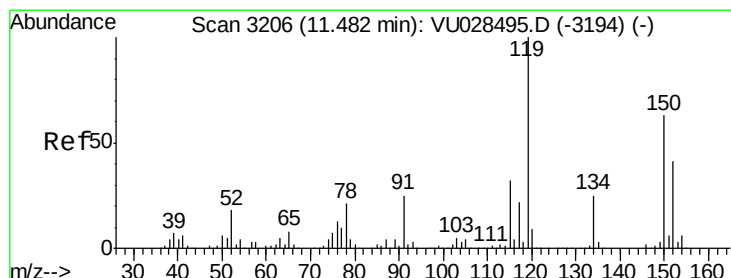
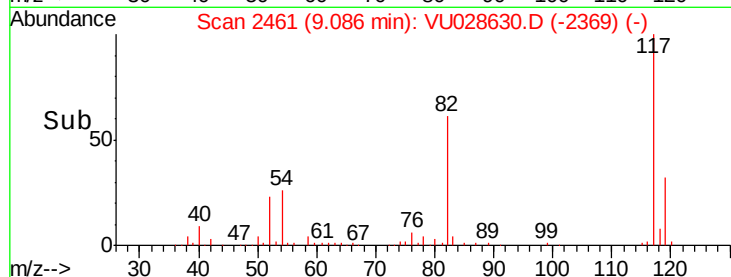
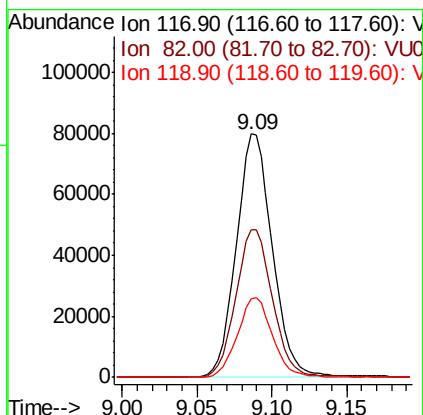
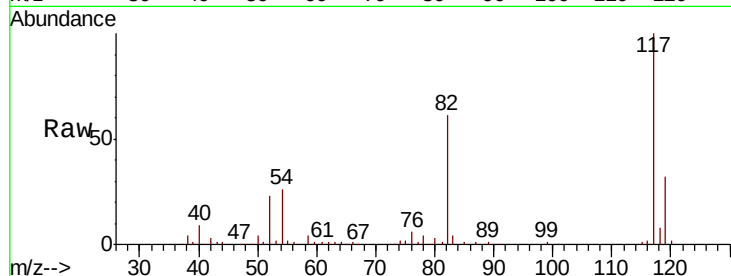




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028630.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_U
ClientSampleId :
ENGINE-WASH

Tot Ion:117 Resp: 134004
Ion Ratio Lower Upper
117 100
82 60.9 48.9 73.3
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028630.D
Acq: 12 Dec 2018 00:29

Tgt Ion:152 Resp: 54132
Ion Ratio Lower Upper
152 100
115 60.3 42.7 128.1
150 158.0 0.0 346.0

