

Data File : VW002359.D

Acq On : 10 May 2018 05:30

Operator : JC/SY

Sample : J2783-04

Misc : 5.19G/5ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BS-OILY-STONE-RO-208

Quant Time: May 10 07:16:25 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

Quant Title : SW846 8260

QLast Update : Tue May 08 03:57:58 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	289756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	233825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	75569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	85579	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	
35) Dibromofluoromethane	7.88	113	81077	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
50) Toluene-d8	10.33	98	250173	35.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.64%	
62) 4-Bromofluorobenzene	12.63	95	75150	29.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.72%	

Target Compounds

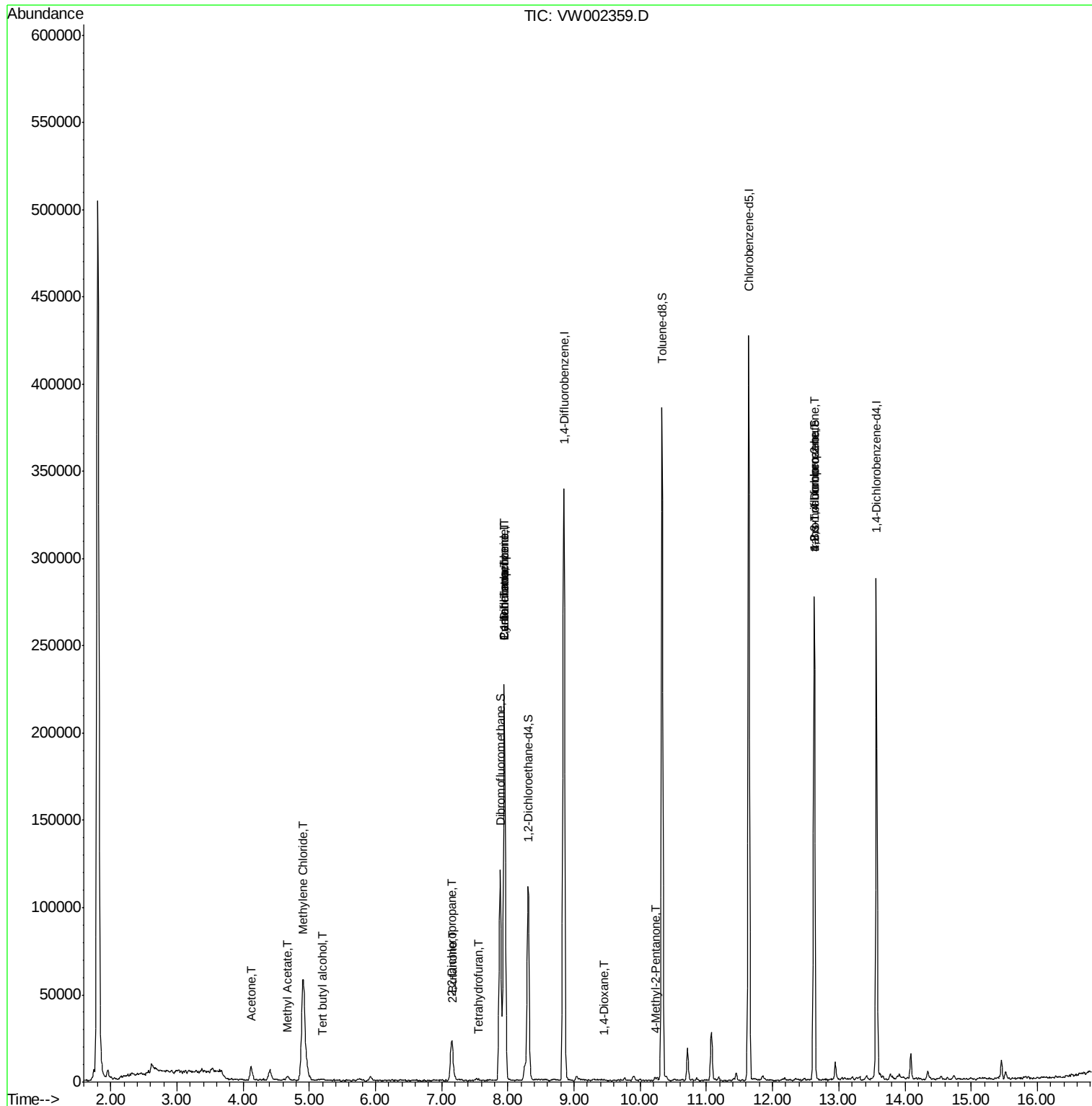
						Qvalue
11) Tert butyl alcohol	5.20	59	915	6.59	ug/l	# 85
16) Acetone	4.12	43	13152	35.27	ug/l	91
18) Methyl Acetate	4.68	43	4360	3.90	ug/l	94
20) Methylene Chloride	4.91	84	54698	30.42	ug/l	94
25) 2-Butanone	7.17	43	2701	4.88	ug/l	90
26) 2,2-Dichloropropane	7.15	77	1792	1.13	ug/l	# 50
29) Tetrahydrofuran	7.55	42	577	1.59	ug/l	# 64
31) Cyclohexane	7.95	56	3973	1.40	ug/l	# 32
36) 1,1-Dichloropropene	7.95	75	13192	5.03	ug/l	# 51
38) Carbon Tetrachloride	7.95	117	16877	6.66	ug/l	# 16
49) 1,4-Dioxane	9.45	88	19	1.11	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.23	43	1740	1.30	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	39375	58.76	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.63	75	39375	154.78	ug/l	# 10

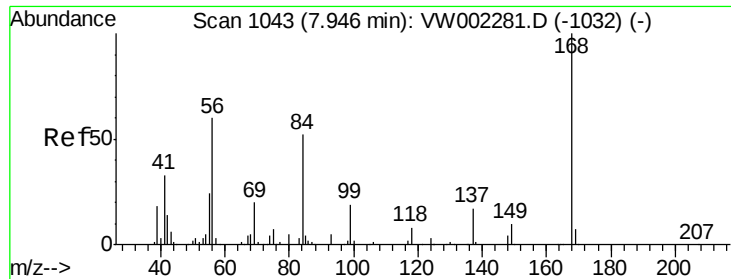
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

Instrument :

MSVOA_W

ClientSampleId :

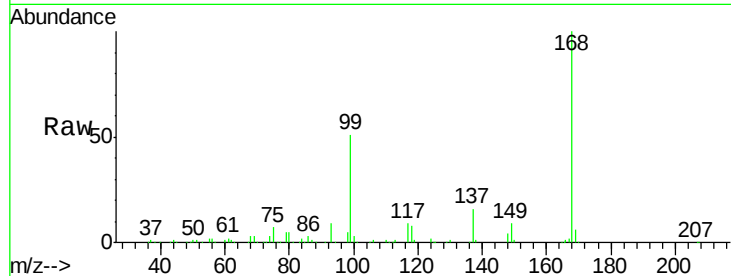
BS-OILY-STONE-RO-208

Tgt Ion: 168 Resp: 179818

Ion Ratio Lower Upper

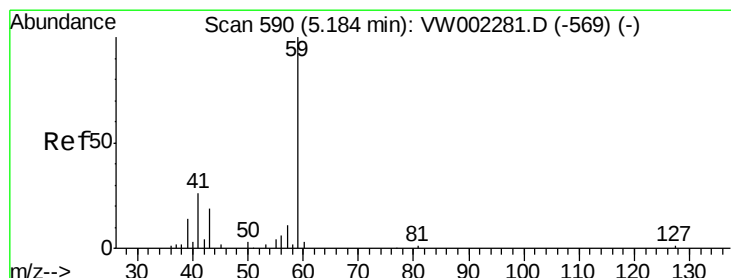
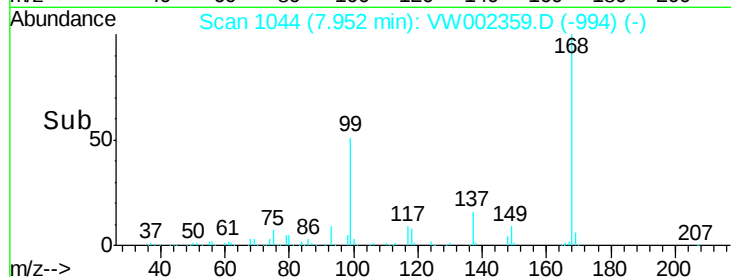
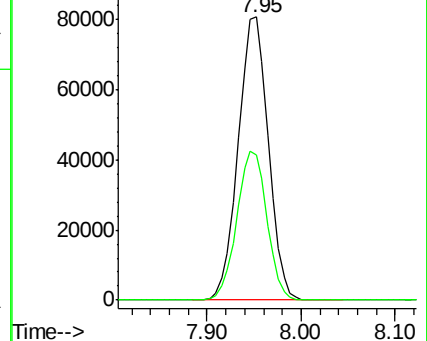
168 100

99 51.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 6.59 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002359.D

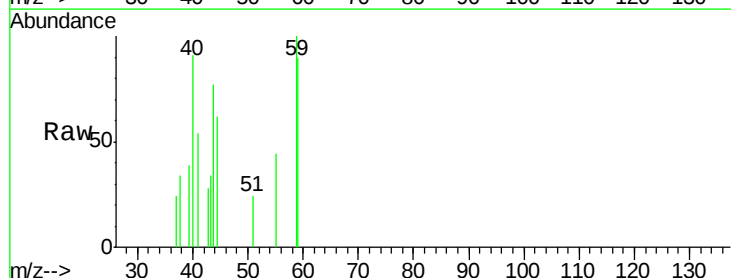
Acq: 10 May 2018 05:30

Tgt Ion: 59 Resp: 915

Ion Ratio Lower Upper

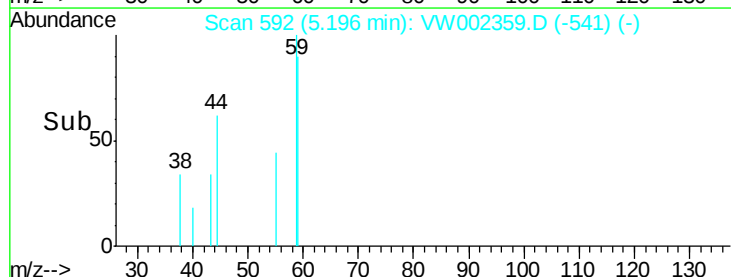
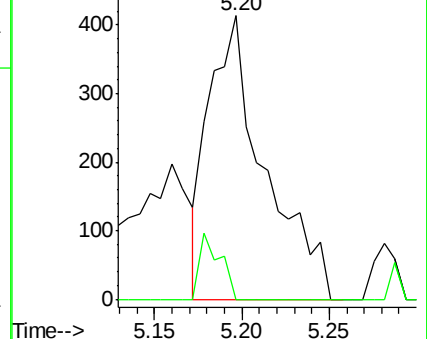
59 100

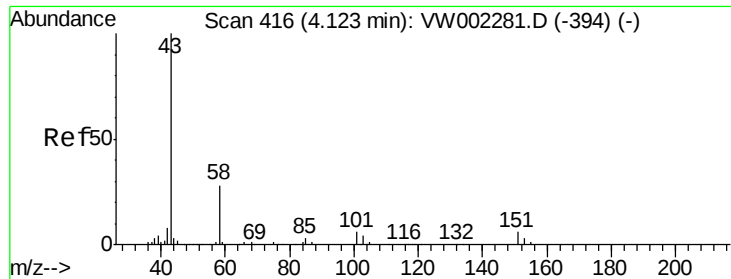
57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 35.27 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

Instrument :

MSVOA_W

ClientSampleId :

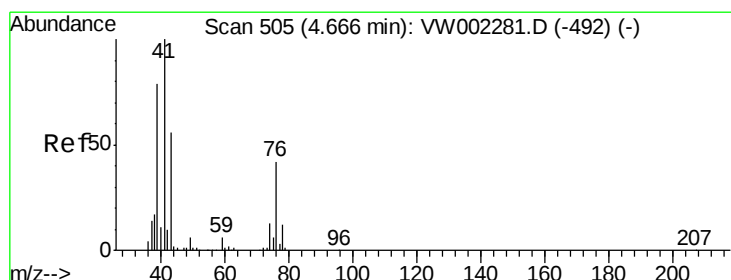
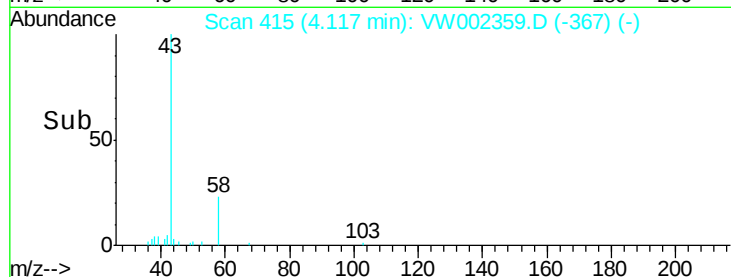
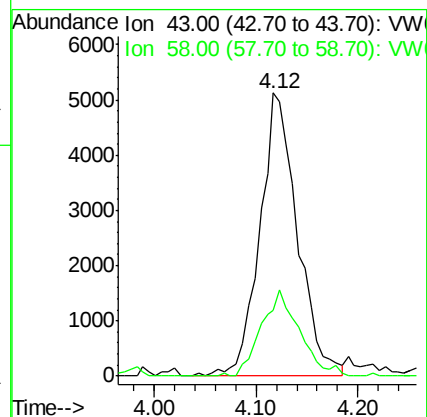
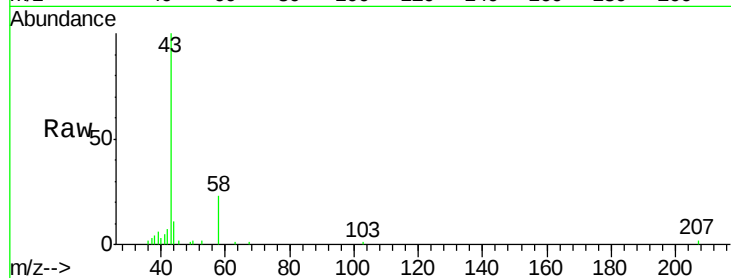
BS-OILY-STONE-RO-208

Tgt Ion: 43 Resp: 13152

Ion Ratio Lower Upper

43 100

58 23.2 22.2 33.4



#18

Methyl Acetate

Concen: 3.90 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW002359.D

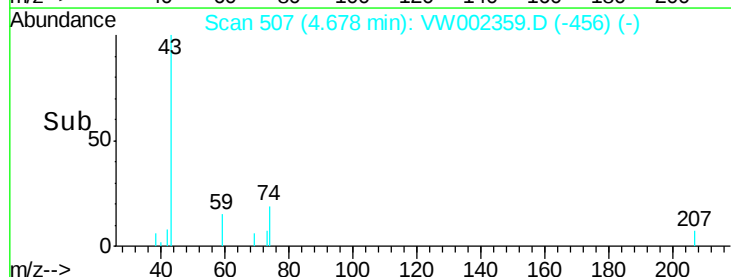
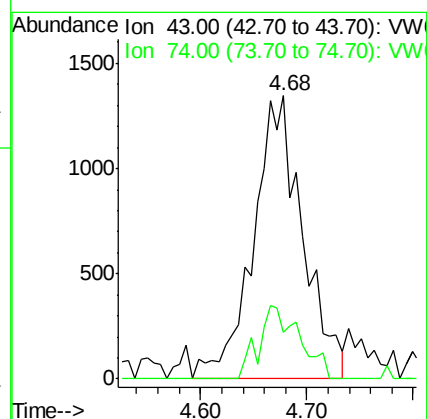
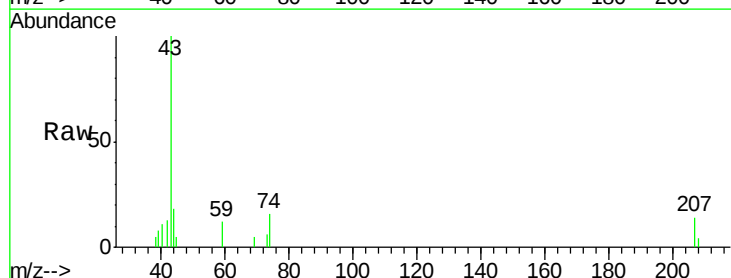
Acq: 10 May 2018 05:30

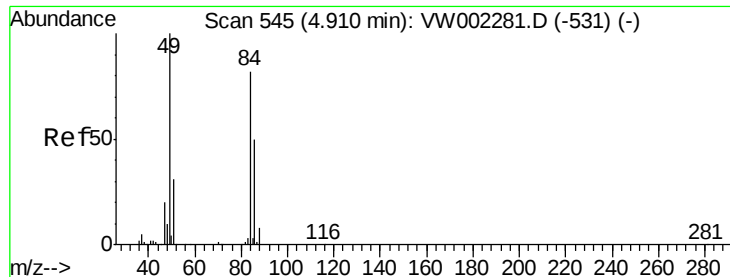
Tgt Ion: 43 Resp: 4360

Ion Ratio Lower Upper

43 100

74 21.3 19.4 29.2

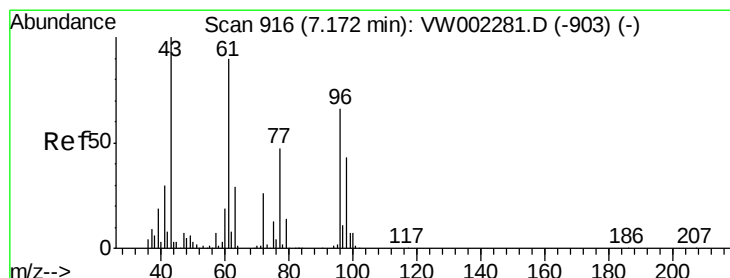
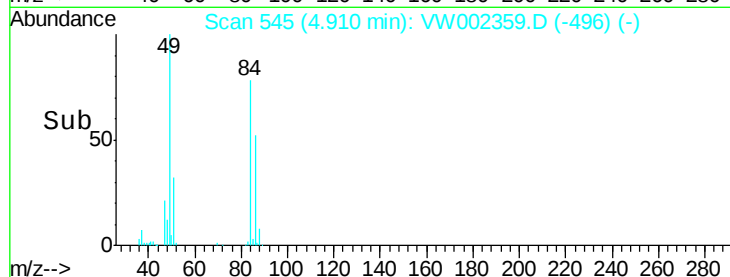
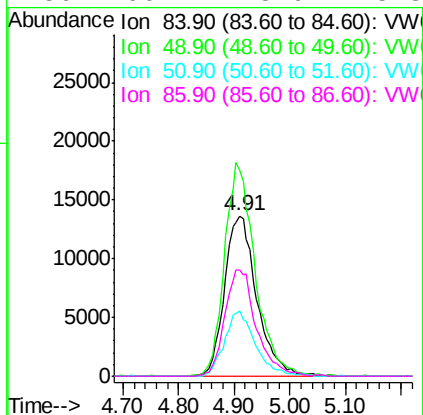
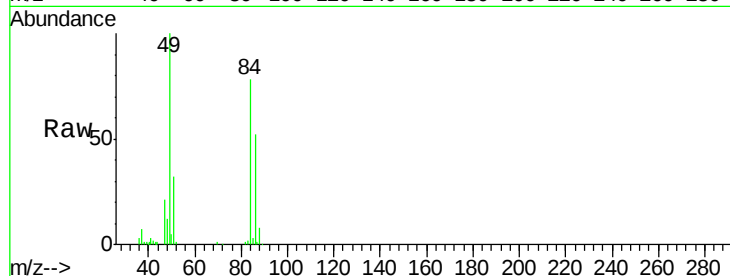




#20
Methylene Chloride
Concen: 30.42 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

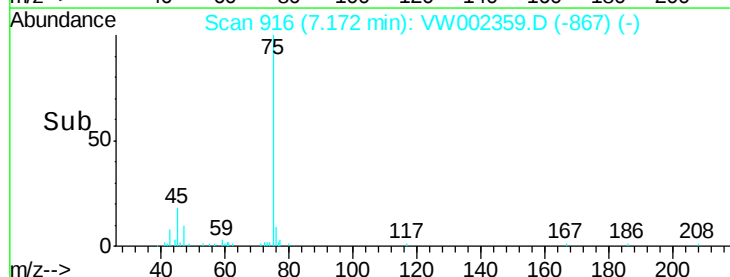
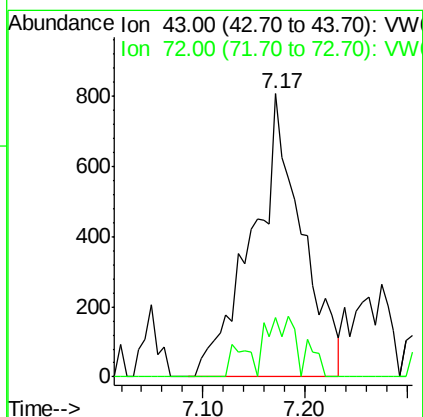
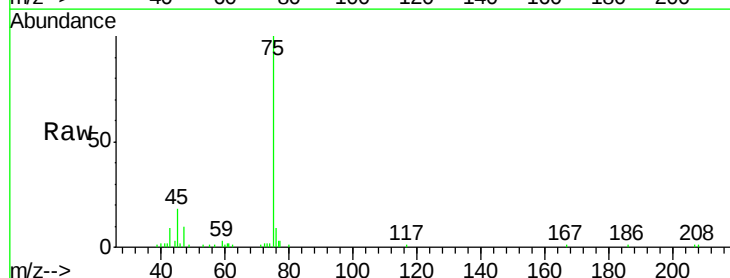
Instrument :
MSVOA_W
ClientSampleId :
BS-OILY-STONE-RO-208

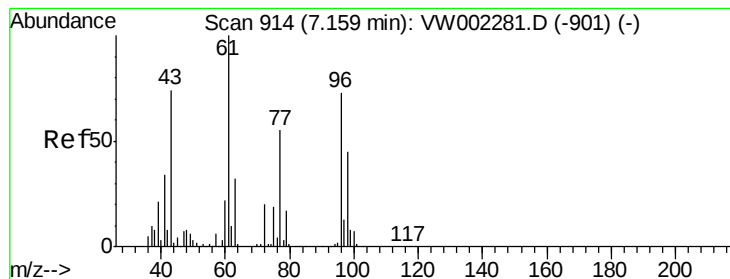
Tgt Ion: 84 Resp: 54698
Ion Ratio Lower Upper
84 100
49 128.5 97.7 146.5
51 41.2 30.2 45.4
86 66.2 48.9 73.3



#25
2-Butanone
Concen: 4.88 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
72 20.9 20.6 31.0





#26

2,2-Dichloropropane

Concen: 1.13 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

Instrument :

MSVOA_W

ClientSampleId :

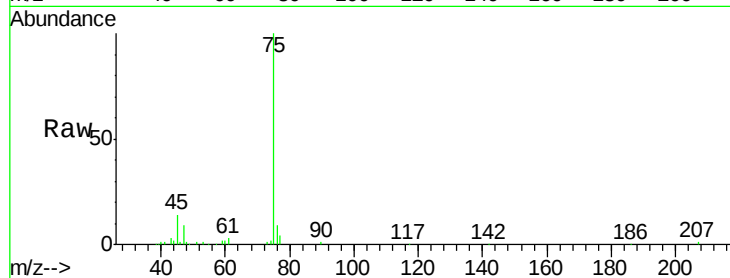
BS-OILY-STONE-RO-208

Tgt Ion: 77 Resp: 1792

Ion Ratio Lower Upper

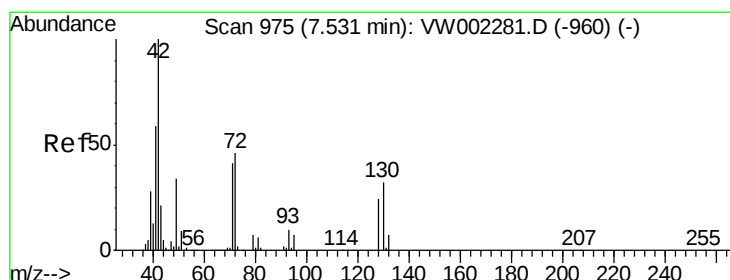
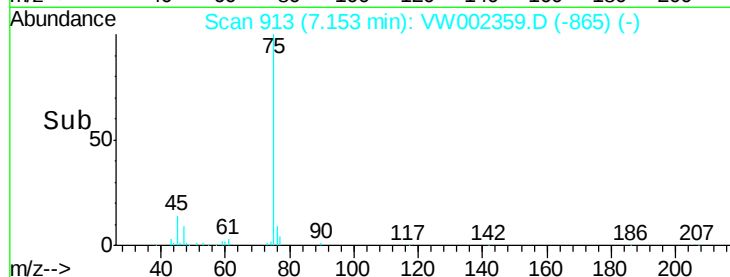
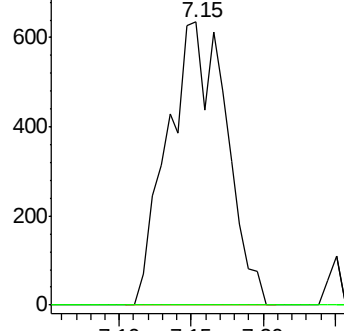
77 100

97 0.0 12.7 38.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.59 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

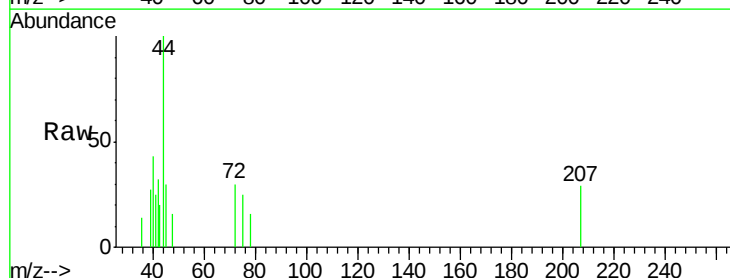
Tgt Ion: 42 Resp: 577

Ion Ratio Lower Upper

42 100

72 27.0 34.5 51.7#

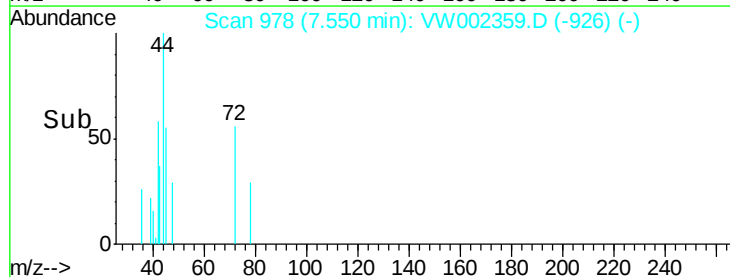
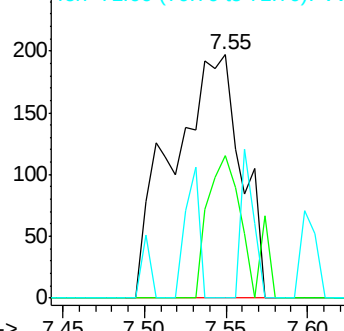
71 11.4 33.0 49.6#

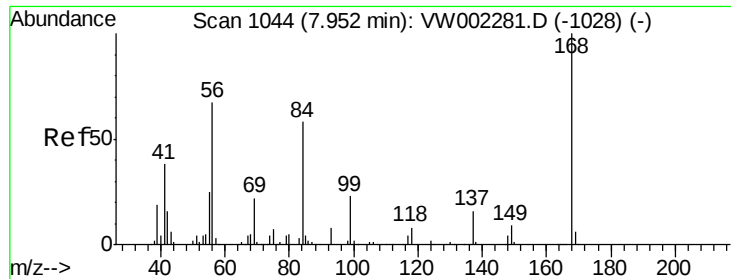


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

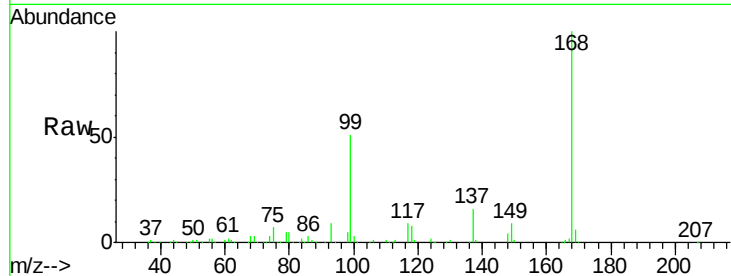




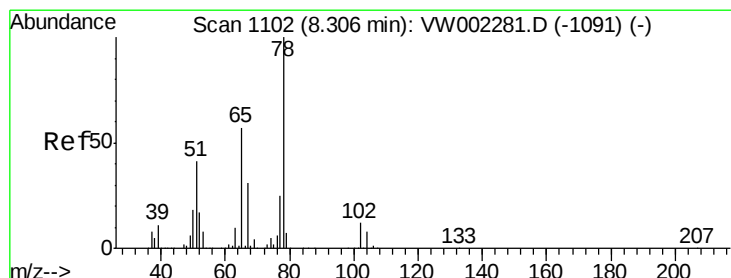
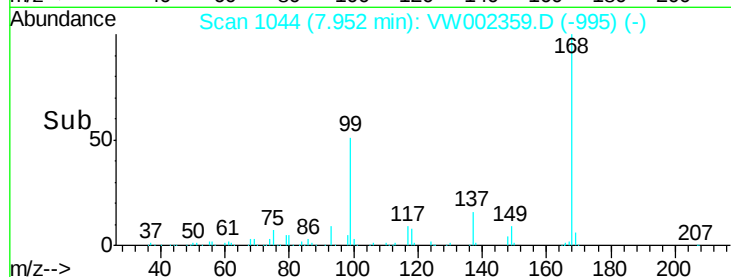
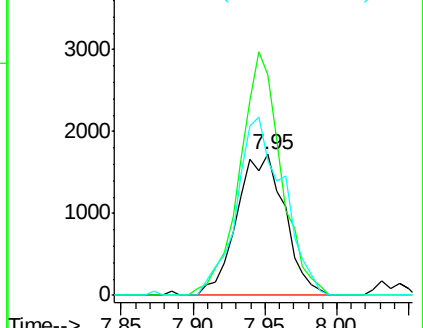
#31
Cyclohexane
Concen: 1.40 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

Instrument :
MSVOA_W
ClientSampleId :
BS-OILY-STONE-RO-208

Tgt Ion: 56 Resp: 3973
Ion Ratio Lower Upper
56 100
69 156.7 26.2 39.4#
84 95.5 69.2 103.8

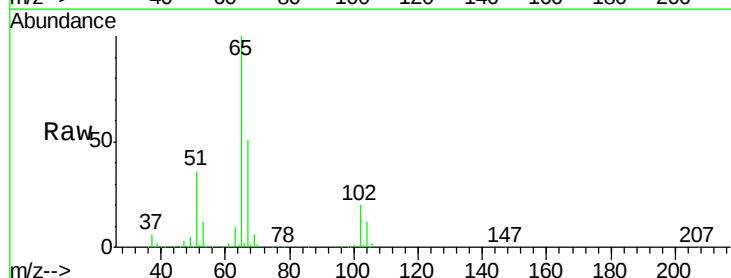


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

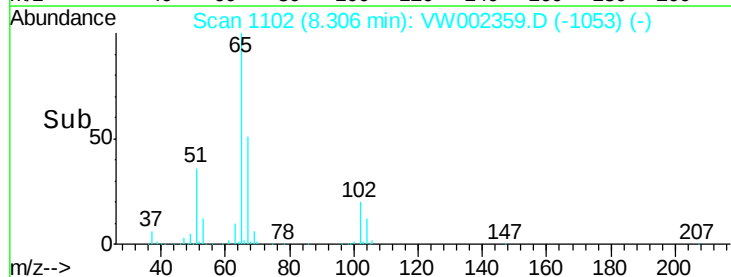
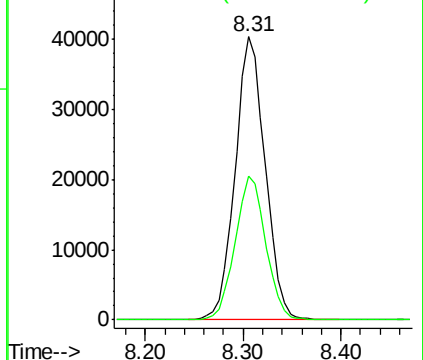


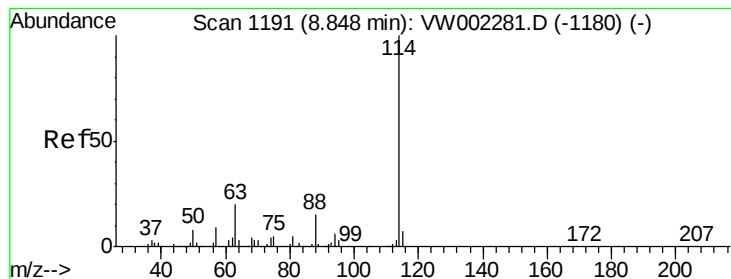
#33
1,2-Dichloroethane-d4
Concen: 44.82 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

Tgt Ion: 65 Resp: 85579
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

Instrument :

MSVOA_W

ClientSampleId :

BS-OILY-STONE-RO-208

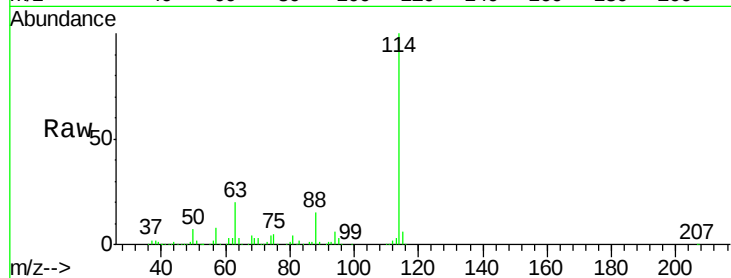
Tgt Ion:114 Resp: 289756

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

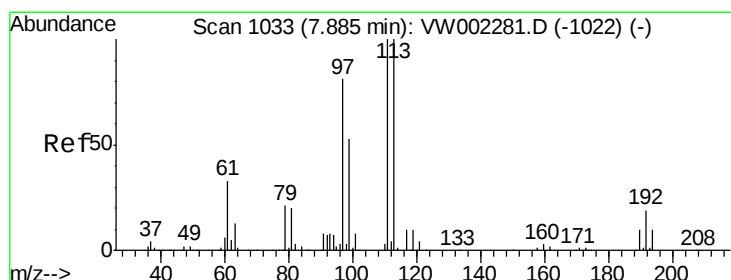
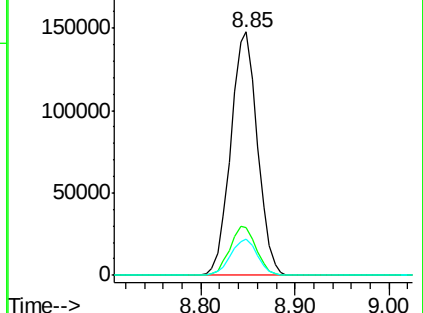
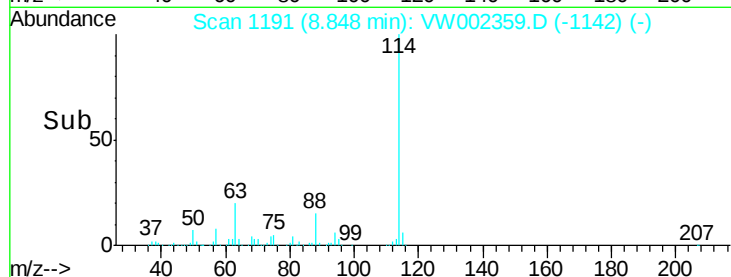
88 15.1 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 43.66 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

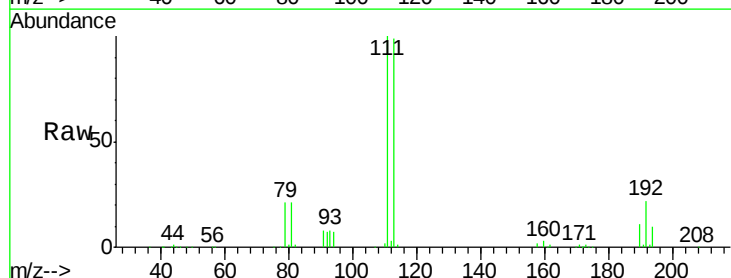
Tgt Ion:113 Resp: 81077

Ion Ratio Lower Upper

113 100

111 103.3 81.5 122.3

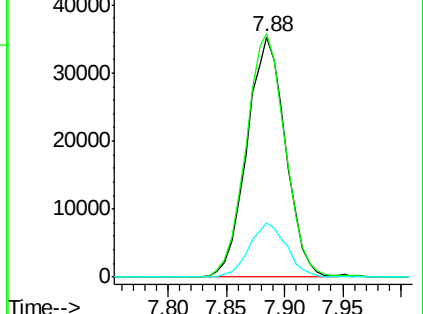
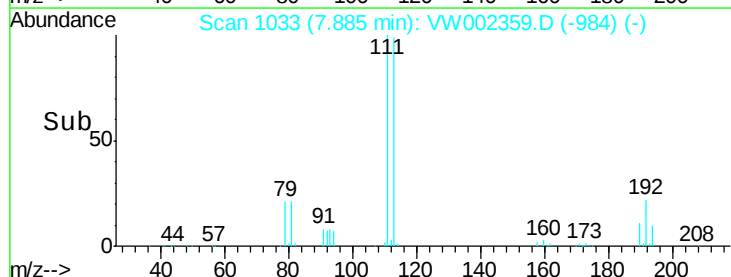
192 21.8 16.4 24.6

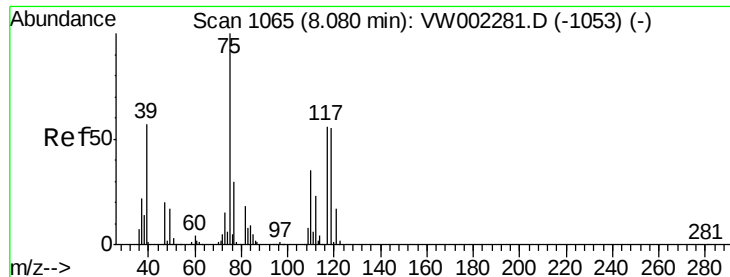


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.03 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

Instrument :

MSVOA_W

ClientSampleId :

BS-OILY-STONE-RO-208

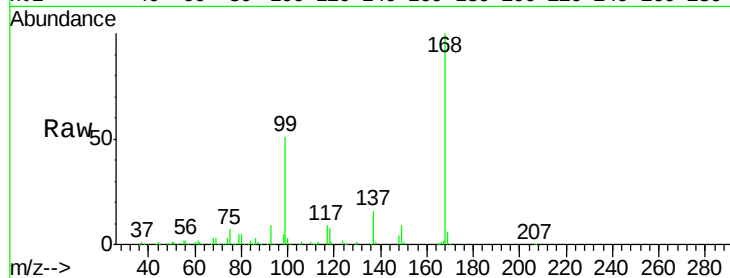
Tgt Ion: 75 Resp: 13192

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.1#

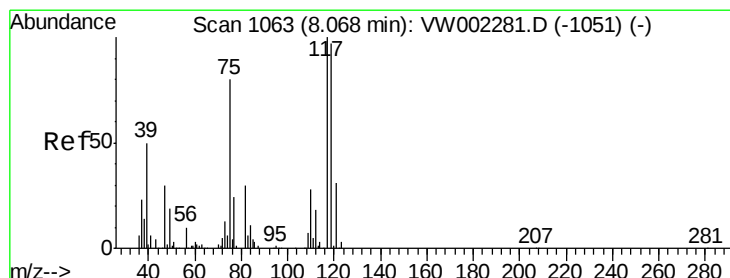
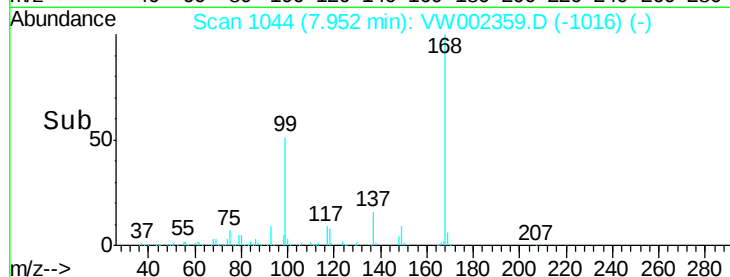
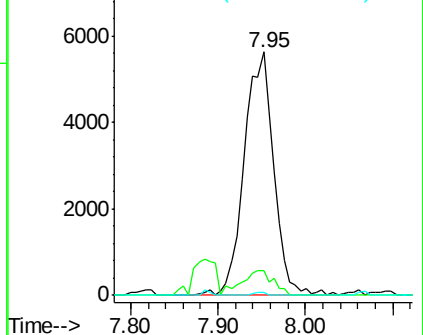
77 0.5 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.66 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002359.D

Acq: 10 May 2018 05:30

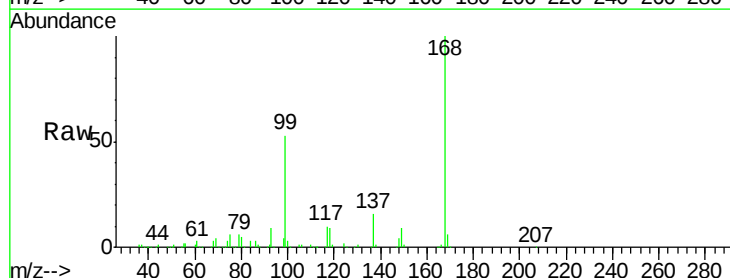
Tgt Ion: 117 Resp: 16877

Ion Ratio Lower Upper

117 100

119 6.0 77.5 116.3#

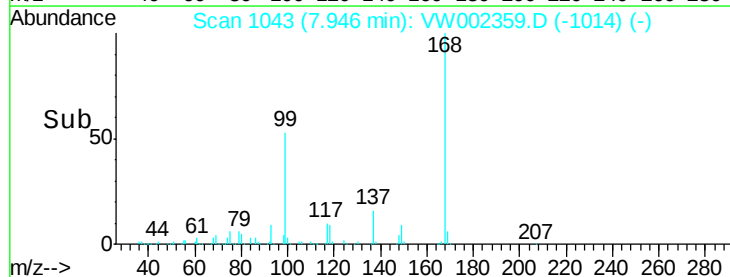
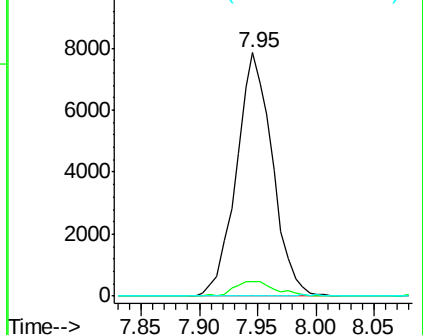
121 0.0 24.4 36.6#

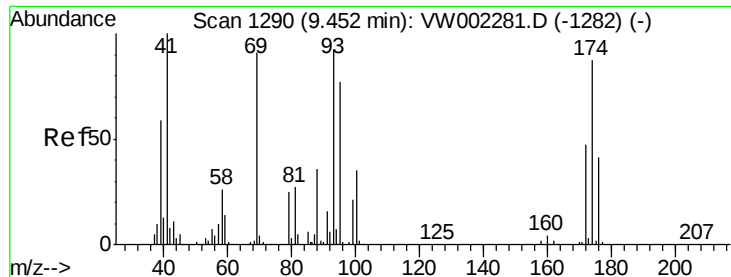


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

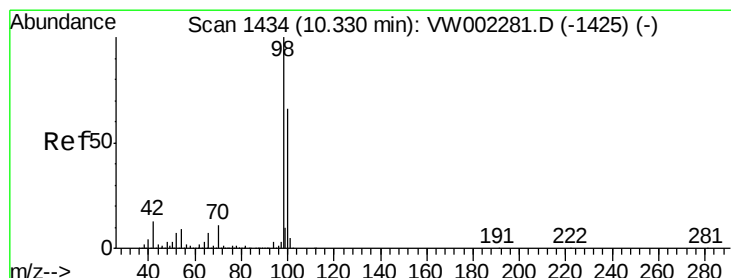
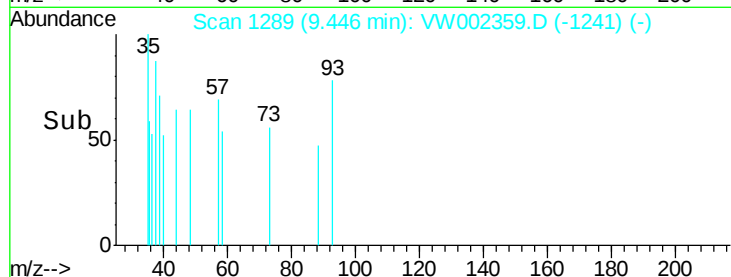
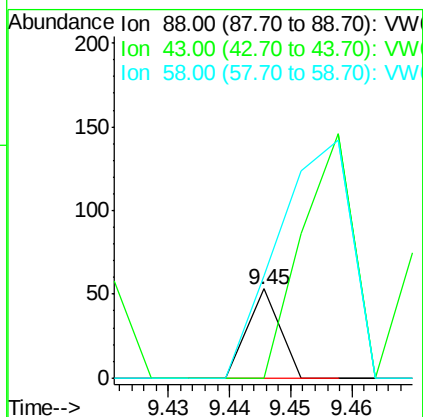
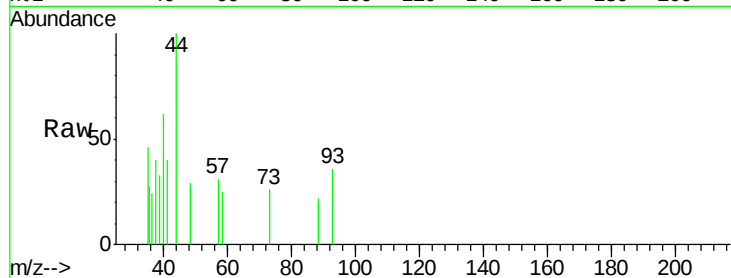




#49
1,4-Dioxane
Concen: 1.11 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

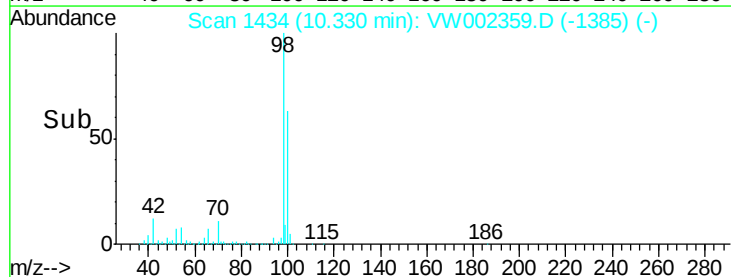
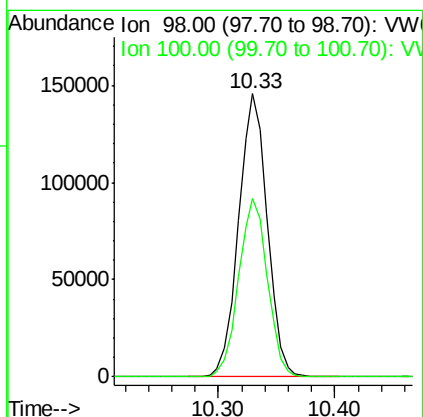
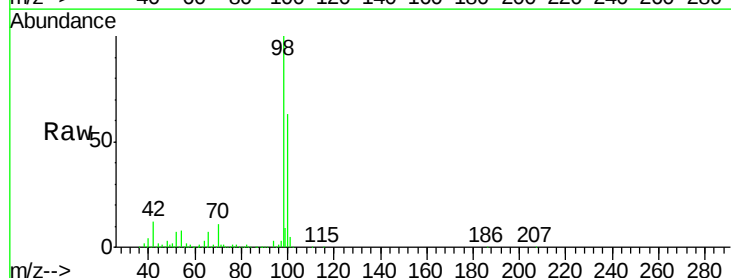
Instrument :
MSVOA_W
ClientSampleId :
BS-OILY-STONE-RO-208

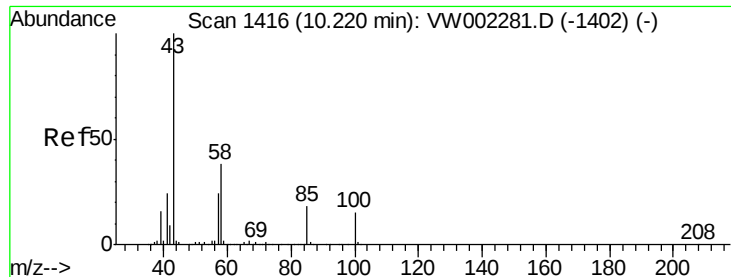
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 594.7 26.3 39.5#
58 631.6 56.0 84.0#



#50
Toluene-d8
Concen: 35.32 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

Tgt Ion: 98 Resp: 250173
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.2

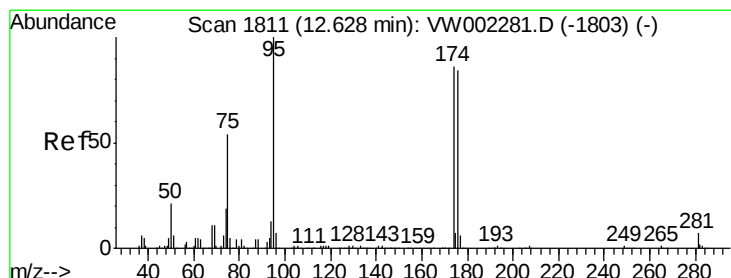
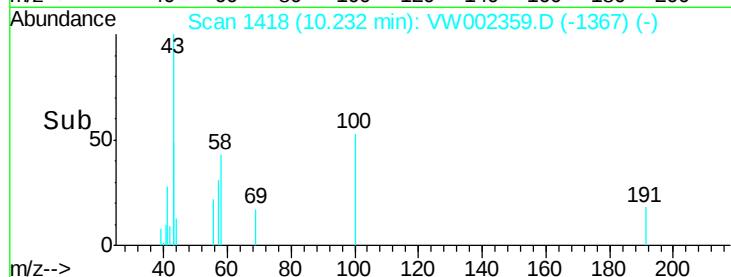
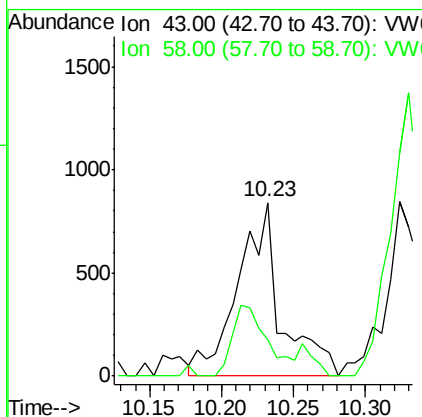
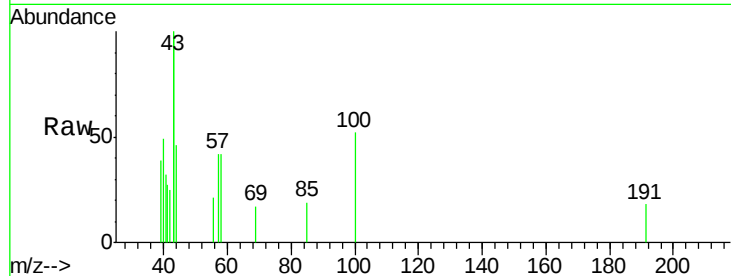




#51
 4-Methyl-2-Pentanone
 Concen: 1.30 ug/l
 RT: 10.23 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VW002359.D
 Acq: 10 May 2018 05:30

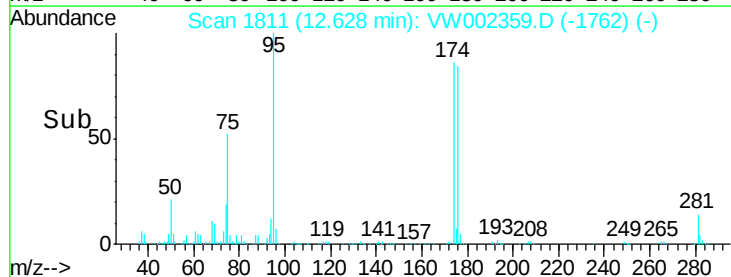
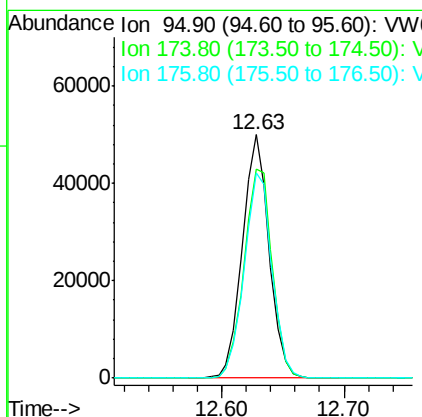
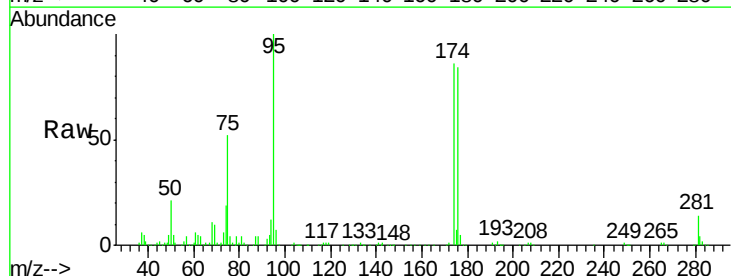
Instrument :
 MSVOA_W
 ClientSampleId :
 BS-OILY-STONE-RO-208

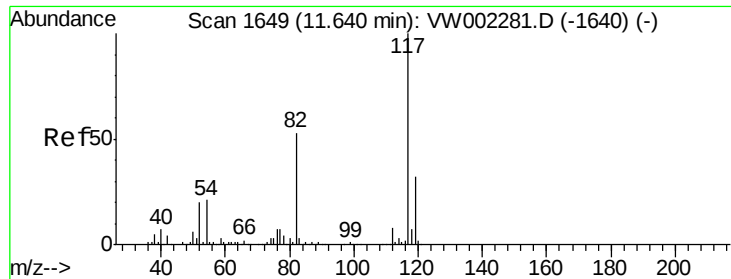
Tgt Ion: 43 Resp: 1740
 Ion Ratio Lower Upper
 43 100
 58 34.2 30.2 45.2



#62
 4-Bromofluorobenzene
 Concen: 29.36 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002359.D
 Acq: 10 May 2018 05:30

Tgt Ion: 95 Resp: 75150
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 176.8
 176 88.1 0.0 170.4

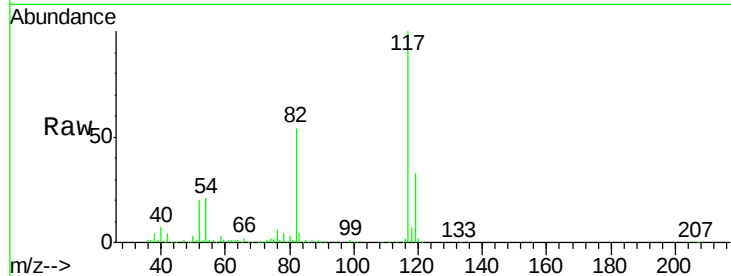




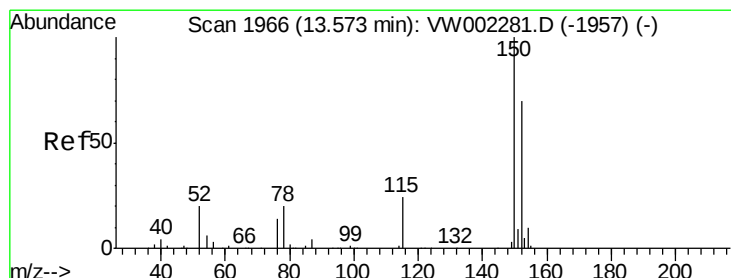
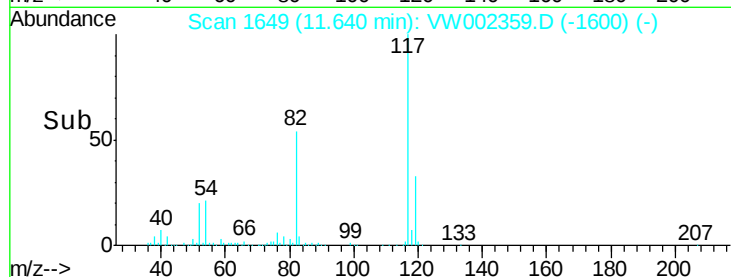
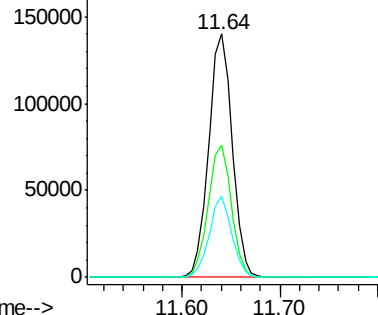
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

Instrument :
MSVOA_W
ClientSampleId :
BS-OILY-STONE-RO-208

Tgt Ion:117 Resp: 233825
Ion Ratio Lower Upper
117 100
82 54.5 42.6 63.8
119 33.1 25.2 37.8

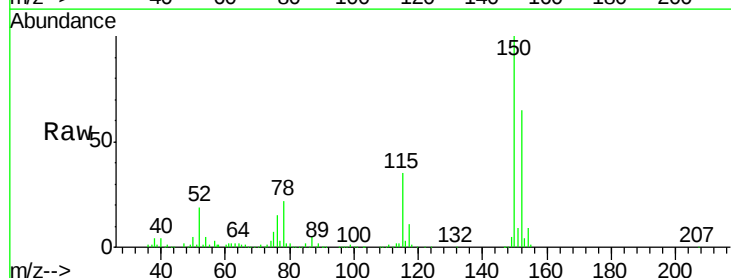


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

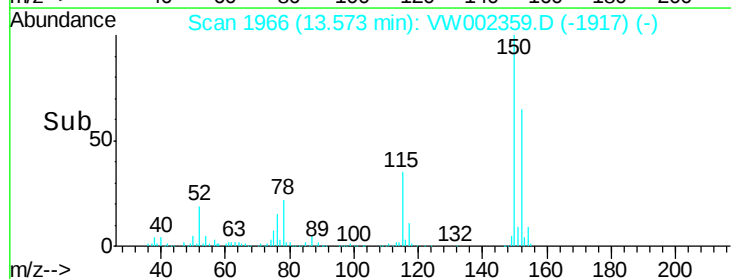
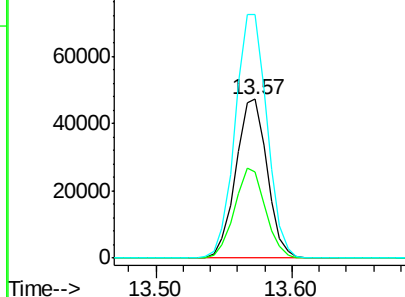


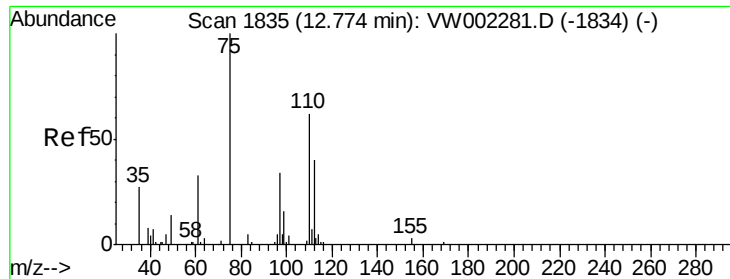
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002359.D
Acq: 10 May 2018 05:30

Tgt Ion:152 Resp: 75569
Ion Ratio Lower Upper
152 100
115 56.2 28.5 85.5
150 156.3 0.0 342.6



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

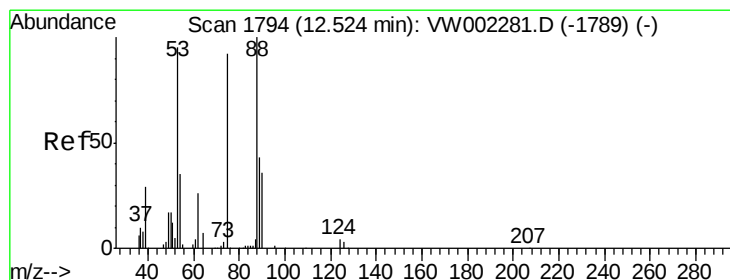
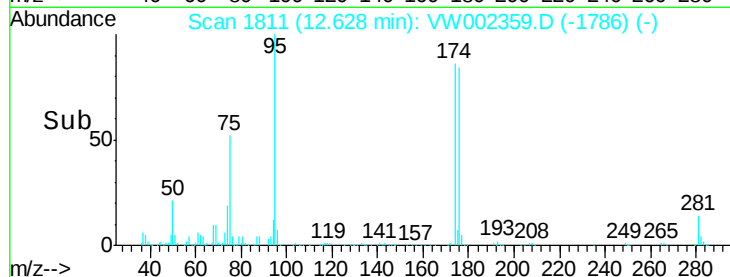
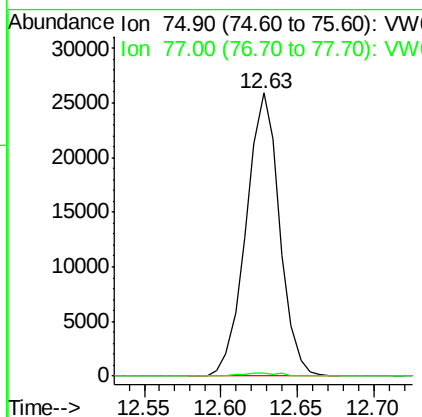
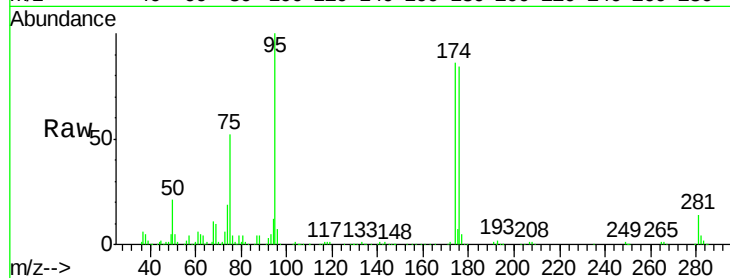




#76
 1,2,3-Trichloropropane
 Concen: 58.76 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002359.D
 Acq: 10 May 2018 05:30

Instrument :
 MSVOA_W
 ClientSampleId :
 BS-OILY-STONE-RO-208

Tgt Ion: 75 Resp: 39375
 Ion Ratio Lower Upper
 75 100
 77 1.5 187.5 562.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.78 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002359.D
 Acq: 10 May 2018 05:30

Tgt Ion: 75 Resp: 39375
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.9 119.9#
 89 0.0 37.6 56.4#

