

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006963.D
 Acq On : 20 Nov 2018 00:23
 Operator : SY/AP
 Sample : J5977-11
 Misc : 4.87G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-02(10-12)

Quant Time: Nov 20 04:39:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

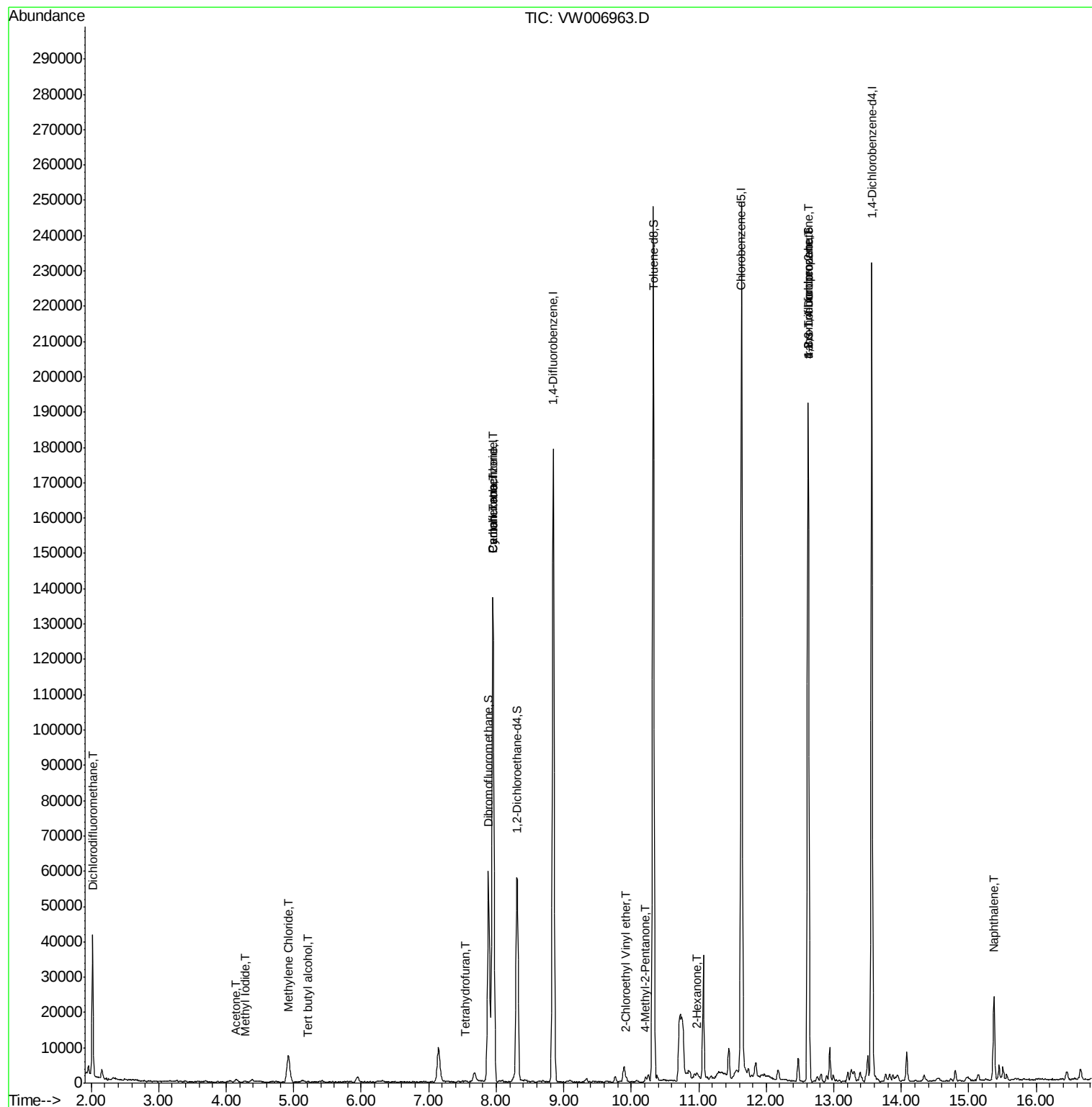
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	101800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60041	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47216	41.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.24%	
35) Dibromofluoromethane	7.88	113	42393	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
50) Toluene-d8	10.33	98	169632	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	
62) 4-Bromofluorobenzene	12.62	95	61370	39.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	989	1.015	ug/l	88
10) Methyl Iodide	4.27	142	302	3.641	ug/l #	65
11) Tert butyl alcohol	5.21	59	92	1.066	ug/l #	71
16) Acetone	4.14	43	1487	8.569	ug/l #	75
20) Methylene Chloride	4.93	84	6223	1.965	ug/l	87
29) Tetrahydrofuran	7.54	42	235	1.254	ug/l #	32
31) Cyclohexane	7.95	56	2402	1.236	ug/l #	18
38) Carbon Tetrachloride	7.95	117	10556	7.170	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	945	1.569	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.93	63	566	1.160	ug/l	93
59) 2-Hexanone	10.98	43	627	1.555	ug/l	71
76) 1,2,3-Trichloropropane	12.62	75	29905	61.979	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29905	141.086	ug/l #	10
95) Naphthalene	15.38	128	21594	9.666	ug/l	100

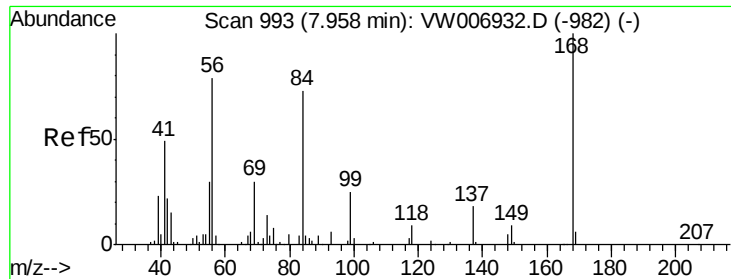
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006963.D

Acq: 20 Nov 2018 00:23

Instrument :

MSVOA_W

ClientSampleId :

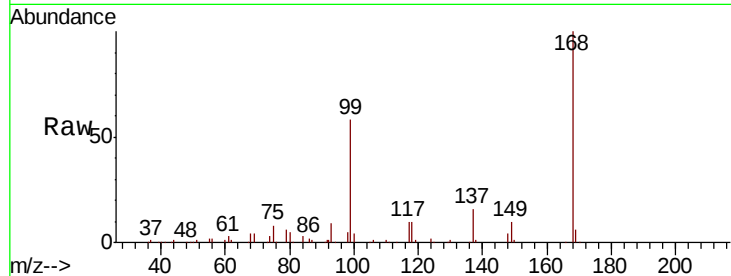
MMTW-02(10-12)

Tot Ion:168 Resp: 101800

Ion Ratio Lower Upper

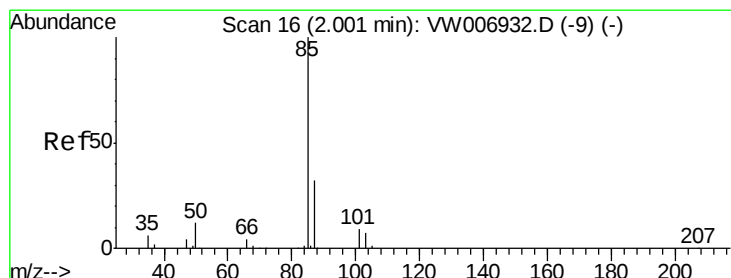
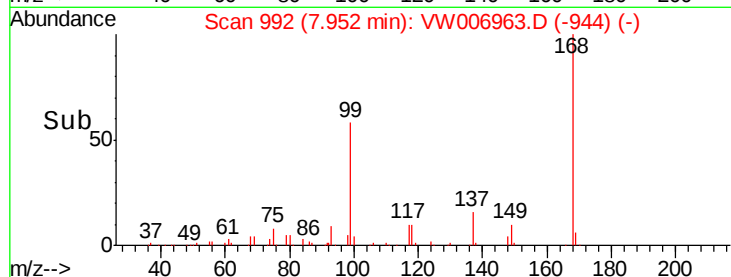
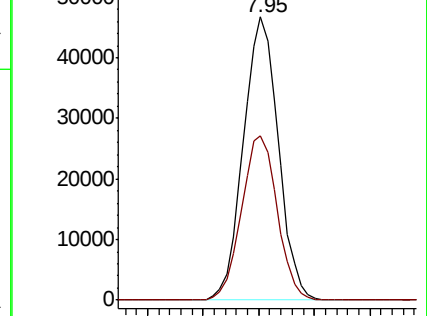
168 100

99 58.1 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.015 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW006963.D

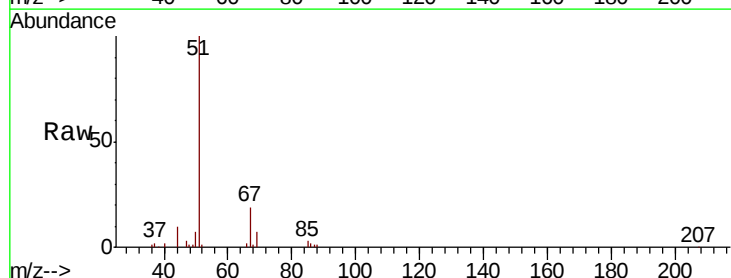
Acq: 20 Nov 2018 00:23

Tgt Ion: 85 Resp: 989

Ion Ratio Lower Upper

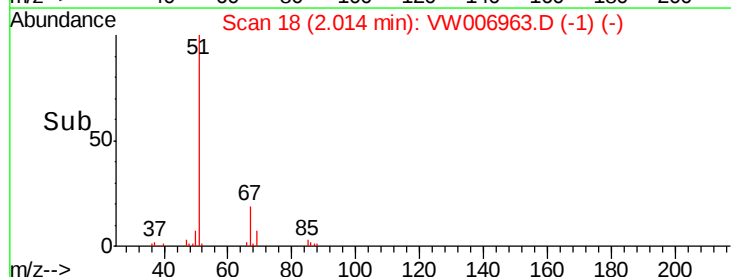
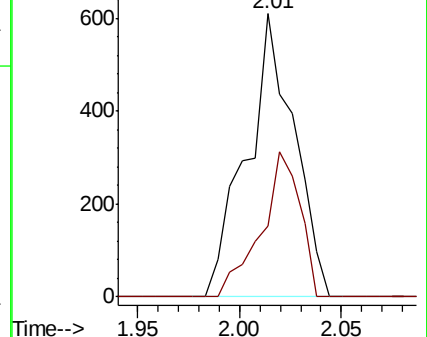
85 100

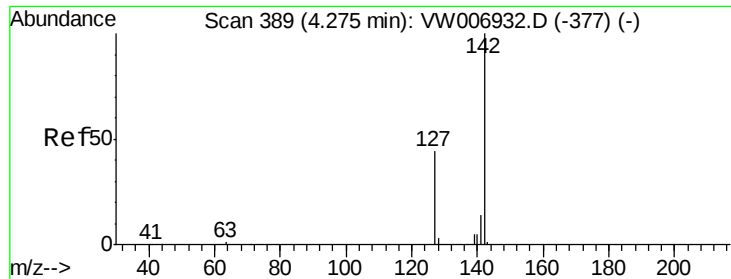
87 25.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

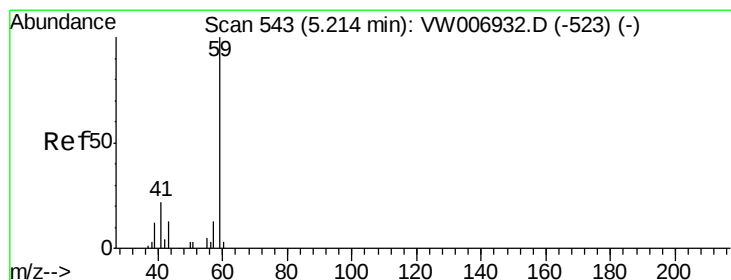
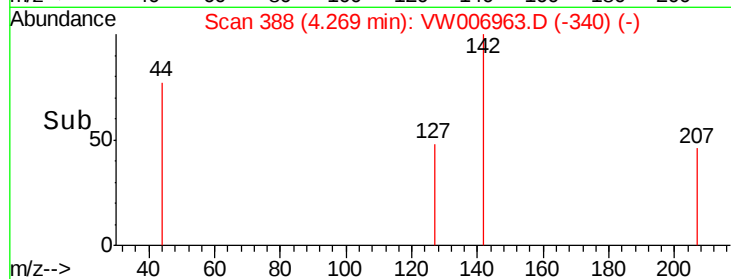
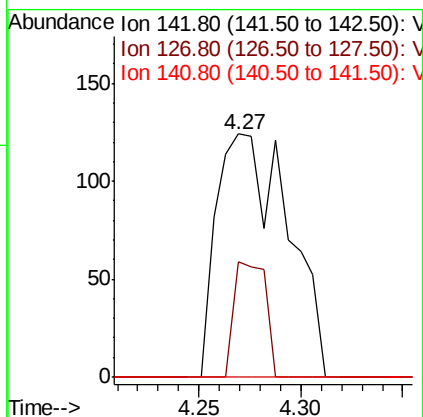
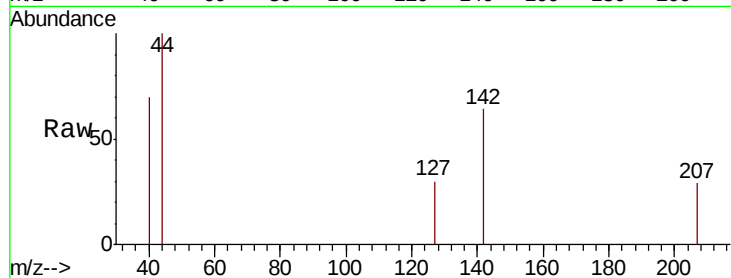




#10
Methvl Iodide
Concen: 3.641 ug/l
RT: 4.27 min Scan# 388
Delta R.T. -0.01 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

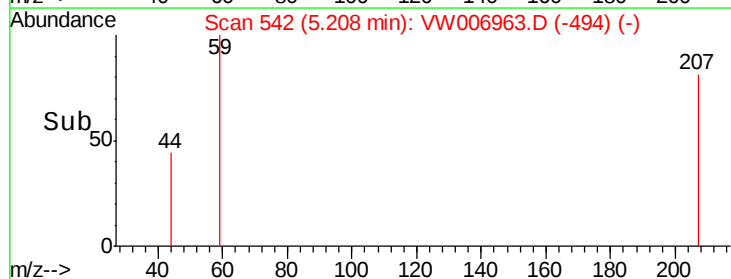
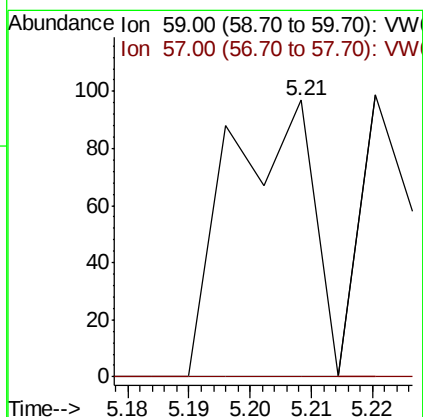
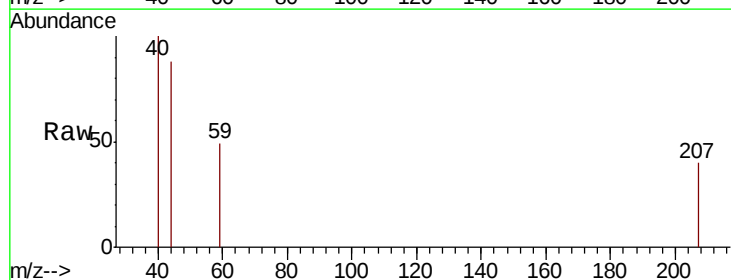
Instrument :
MSVOA_W
ClientSampleId :
MMTW-02(10-12)

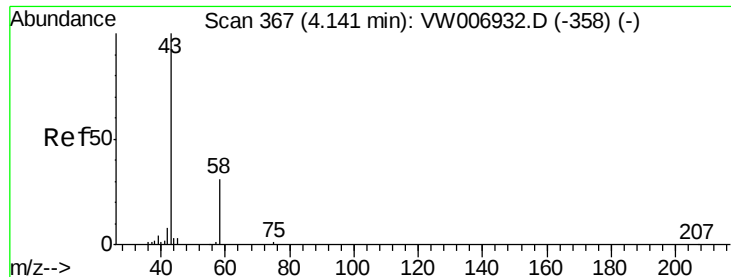
Tot Ion:142 Resp: 302
Ion Ratio Lower Upper
142 100
127 20.5 34.4 51.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.066 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.01 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Tgt Ion: 59 Resp: 92
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#16

Acetone

Concen: 8.569 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006963.D

Acq: 20 Nov 2018 00:23

Instrument :

MSVOA_W

ClientSampleId :

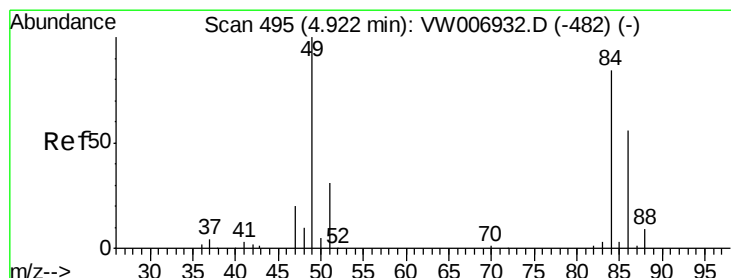
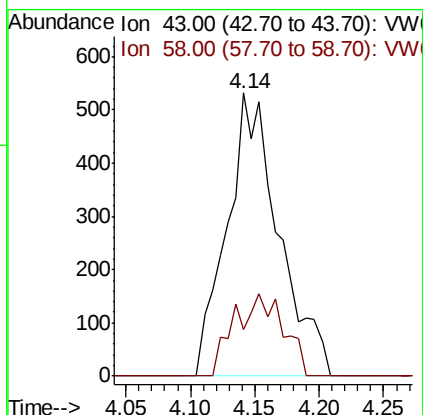
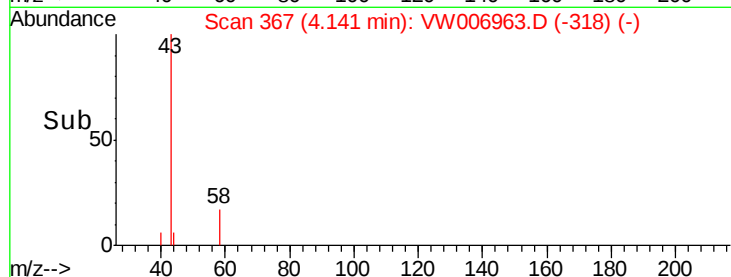
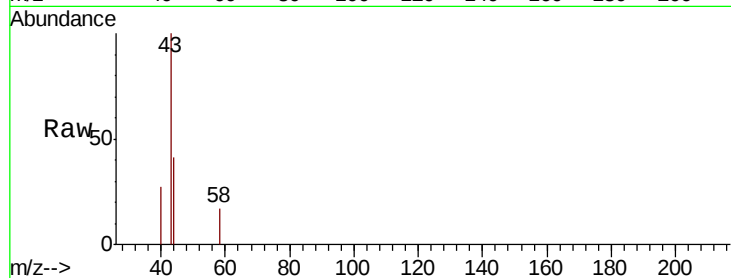
MMTW-02(10-12)

Tot Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

58 16.5 24.2 36.4#



#20

Methylene Chloride

Concen: 1.965 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW006963.D

Acq: 20 Nov 2018 00:23

Tgt Ion: 84 Resp: 6223

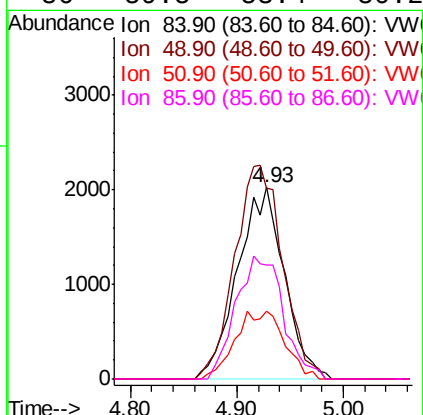
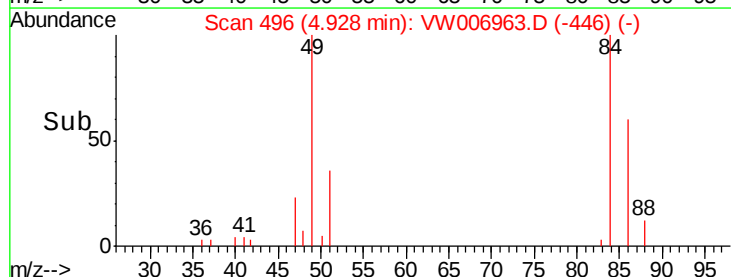
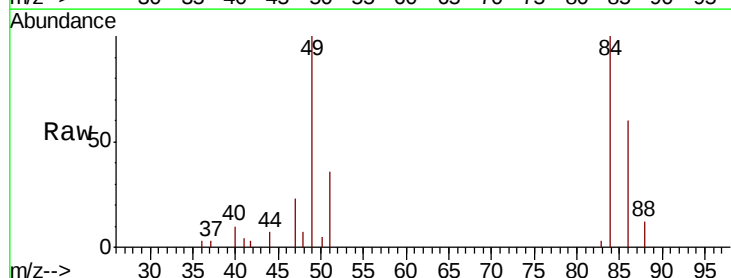
Ion Ratio Lower Upper

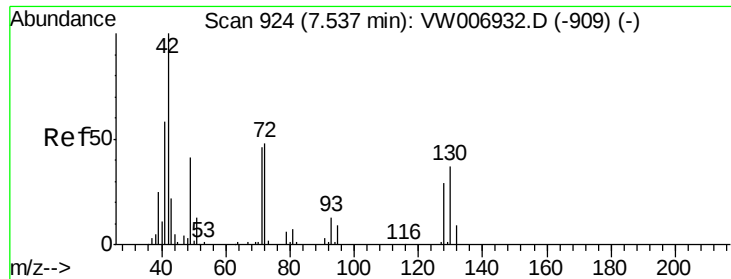
84 100

49 99.7 95.4 143.2

51 35.7 29.5 44.3

86 59.5 53.4 80.2

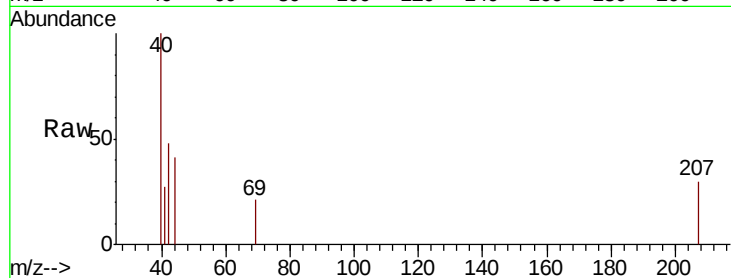




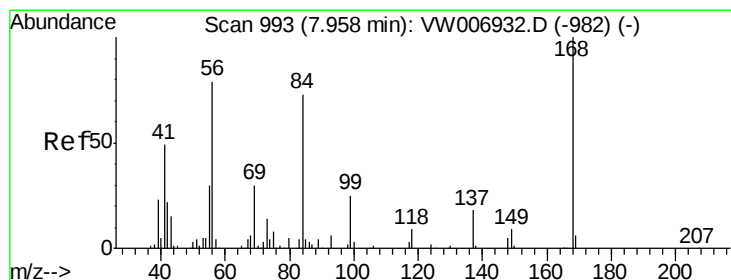
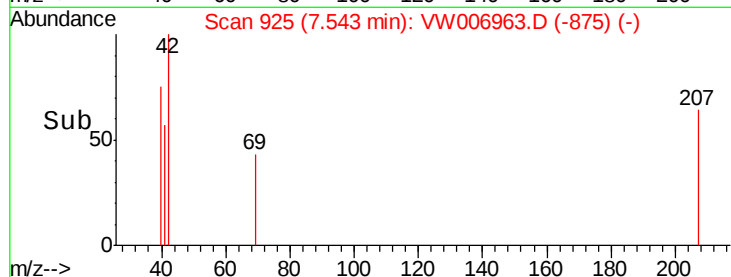
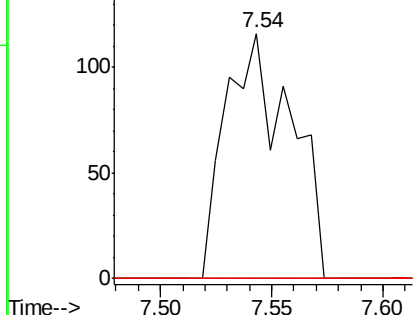
#29
Tetrahydrofuran
Concen: 1.254 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Instrument :
MSVOA_W
ClientSampleId :
MMTW-02(10-12)

Tot Ion: 42 Resp: 235
Ion Ratio Lower Upper
42 100
72 0.0 35.7 53.5#
71 0.0 33.7 50.5#

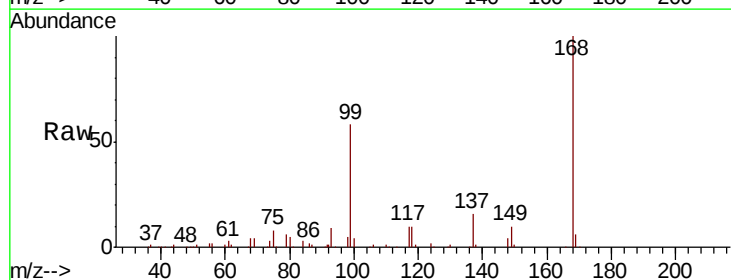


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

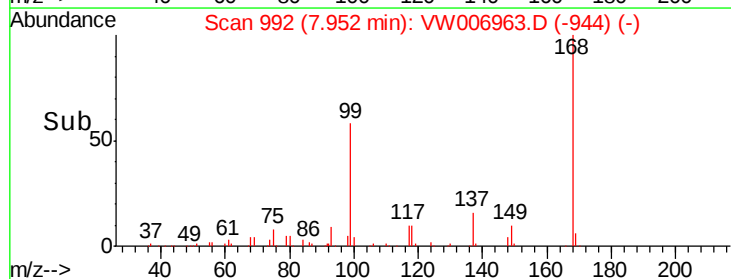
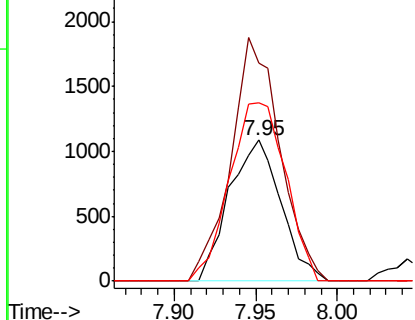


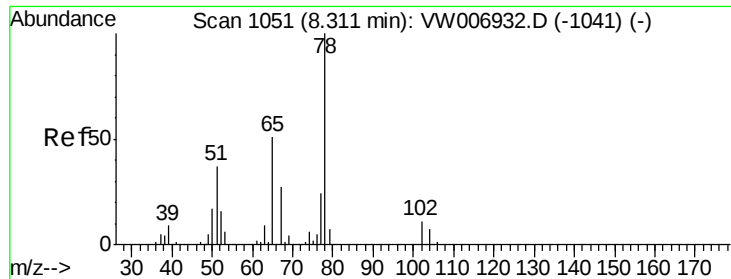
#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Tgt Ion: 56 Resp: 2402
Ion Ratio Lower Upper
56 100
69 154.9 30.2 45.2#
84 126.4 73.6 110.4#



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: 41.618 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006963.D

Acq: 20 Nov 2018 00:23

Instrument :

MSVOA_W

ClientSampleId :

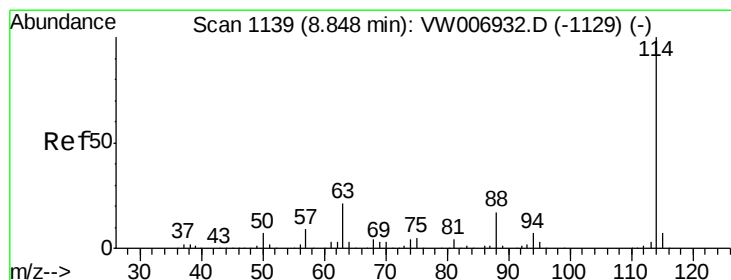
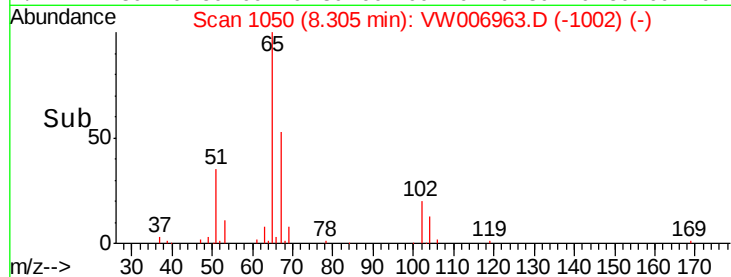
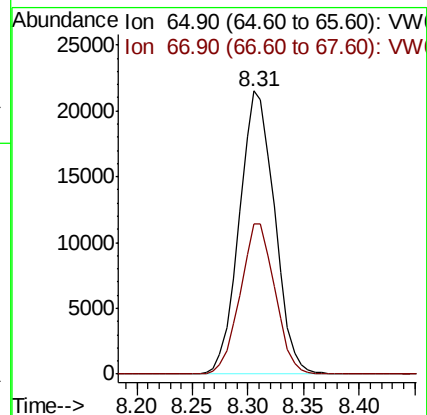
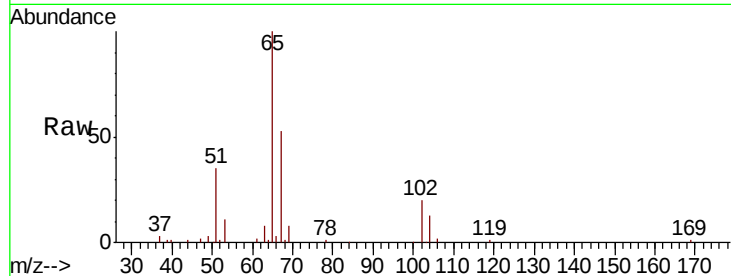
MMTW-02(10-12)

Tot Ion: 65 Resp: 47216

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006963.D

Acq: 20 Nov 2018 00:23

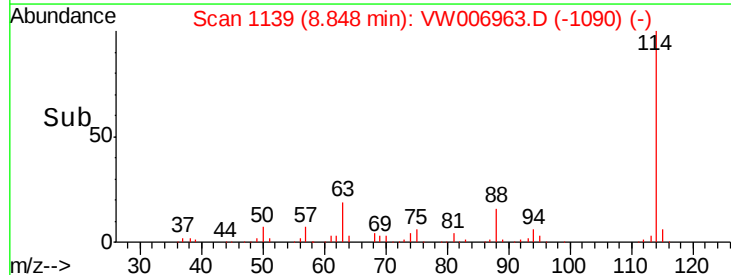
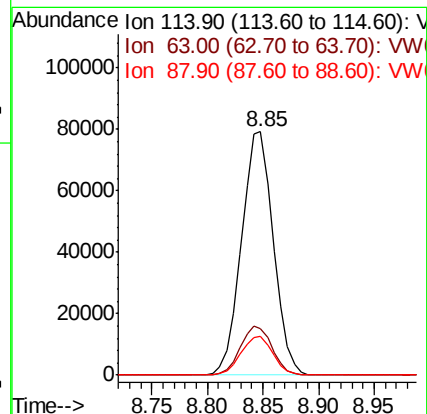
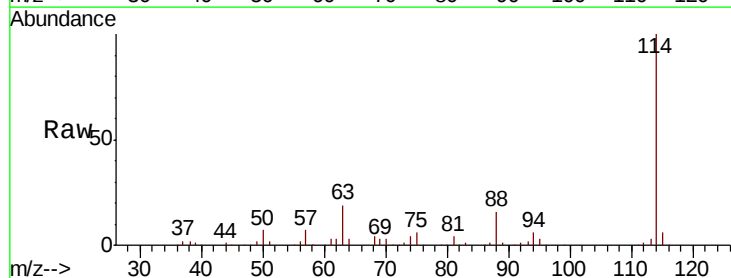
Tgt Ion: 114 Resp: 157247

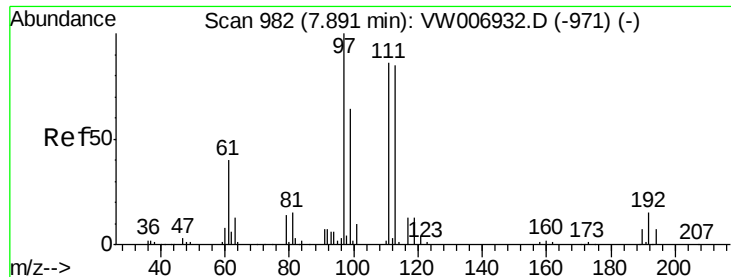
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.2

88 16.0 0.0 33.4

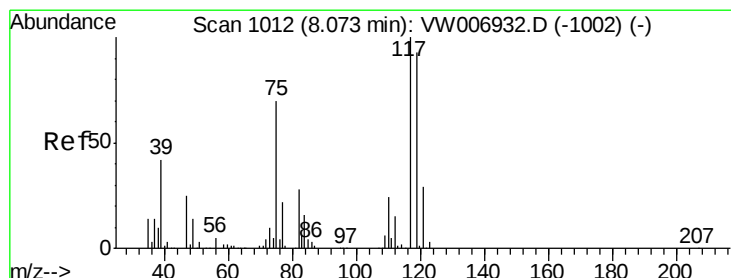
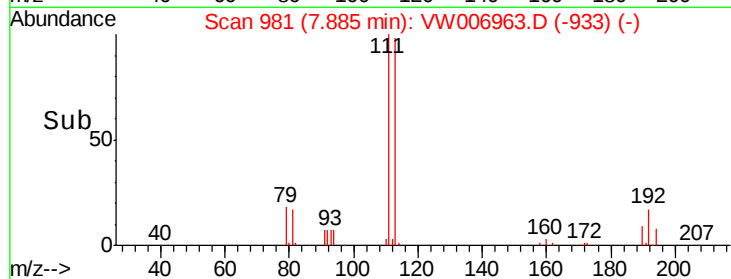
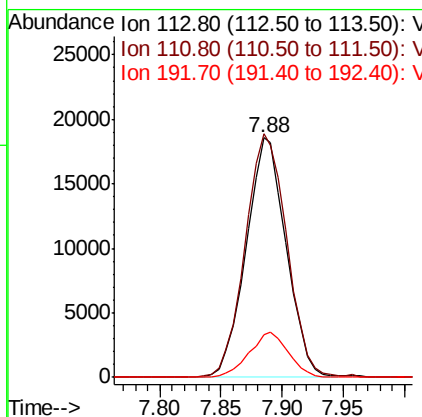
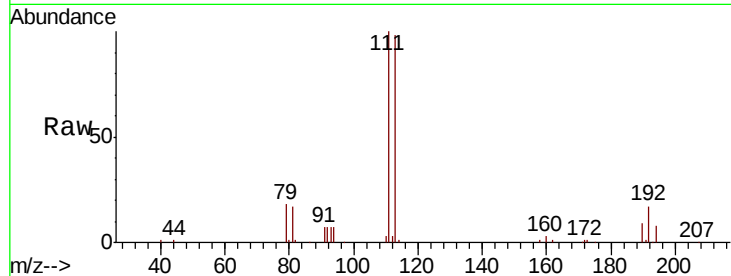




#35
 Dibromofluoromethane
 Concen: 46.043 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006963.D
 Acq: 20 Nov 2018 00:23

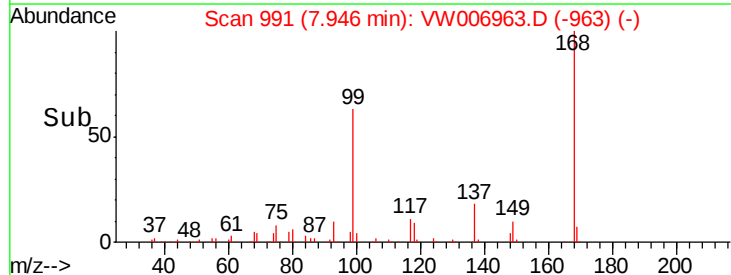
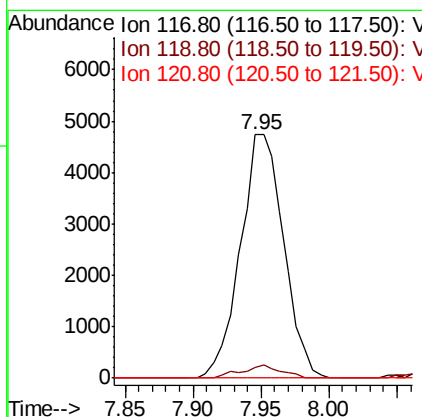
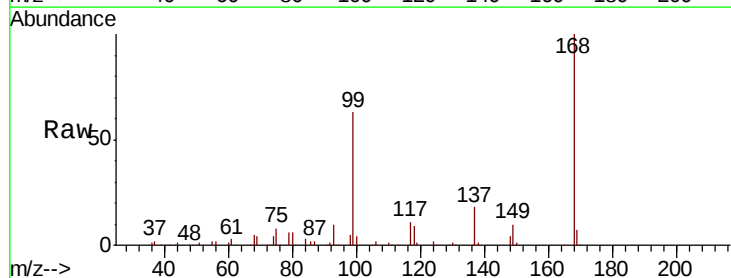
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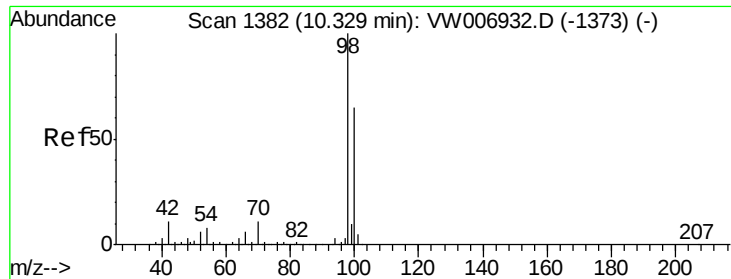
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.7	122.5
192	18.4	13.9	20.9



#38
 Carbon Tetrachloride
 Concen: 7.170 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW006963.D
 Acq: 20 Nov 2018 00:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	74.2	111.4#
121	0.0	23.5	35.3#

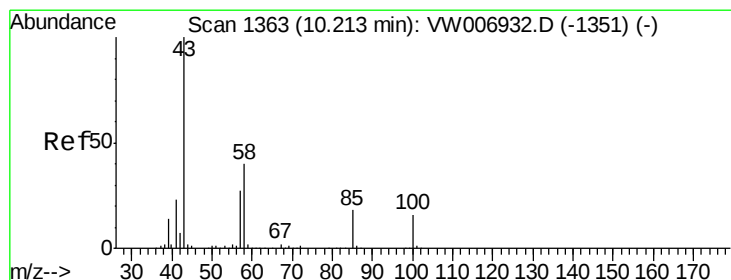
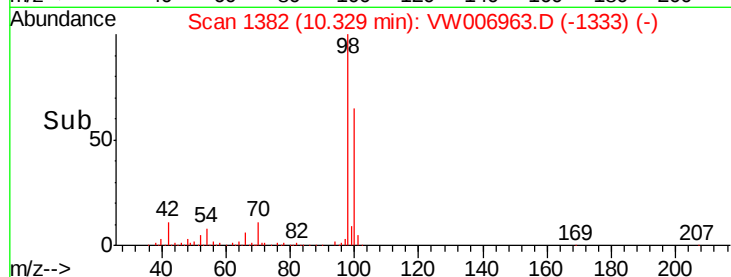
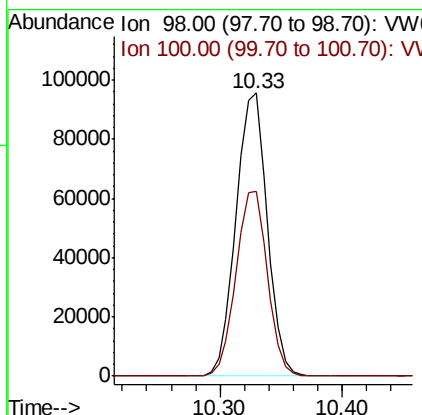
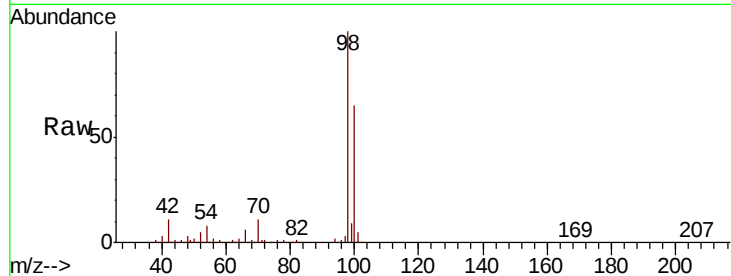




#50
Toluene-d8
Concen: 42.872 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

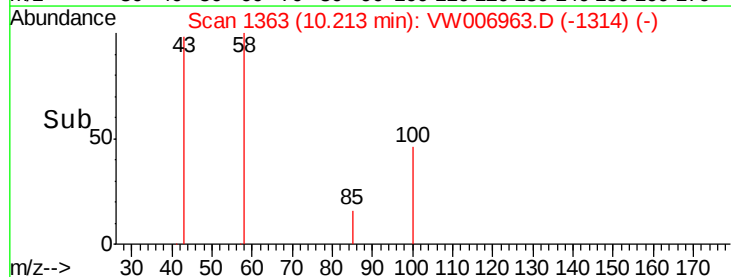
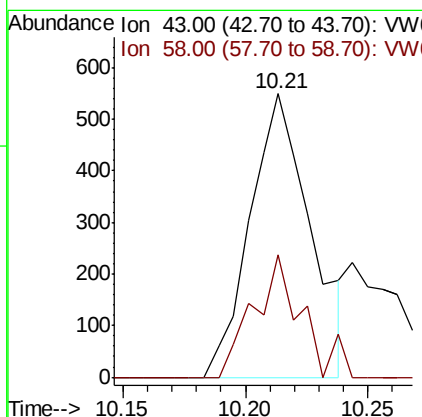
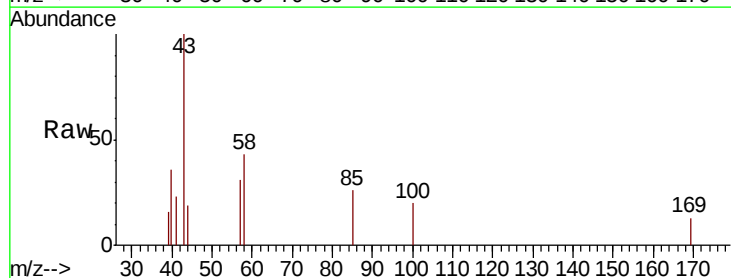
Instrument :
MSVOA_W
ClientSampleId :
MMTW-02(10-12)

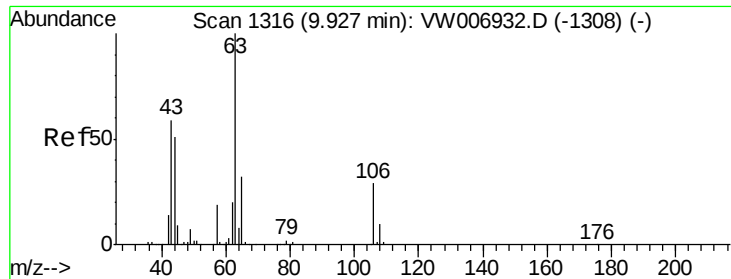
Tot Ion: 98 Resp: 169632
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.569 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 34.6 31.0 46.4

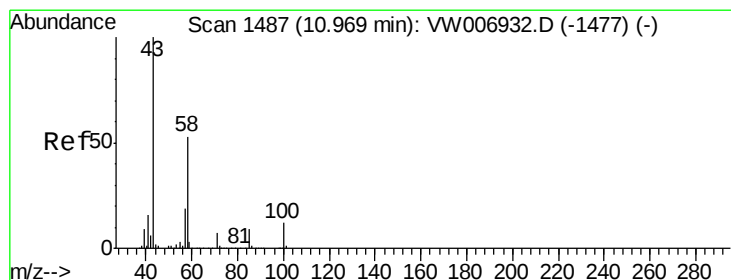
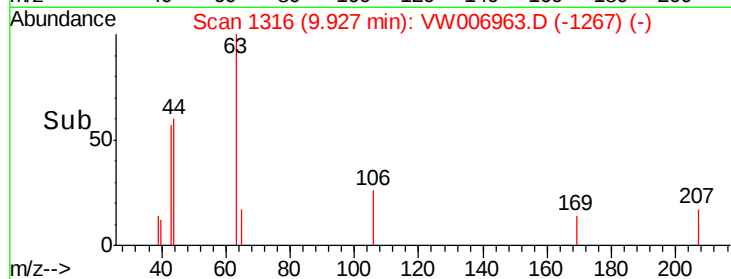
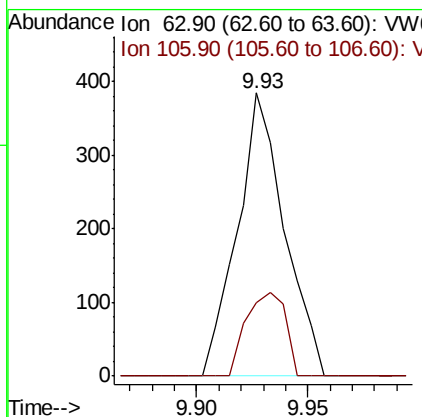
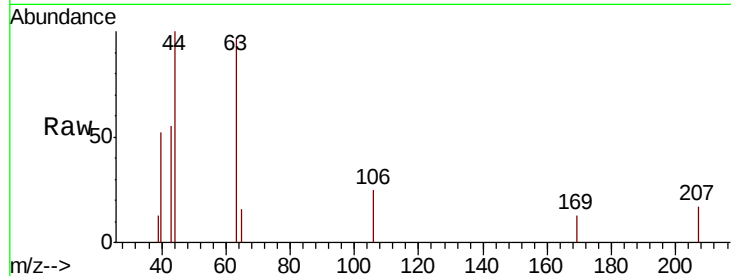




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.160 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006963.D
 Acq: 20 Nov 2018 00:23

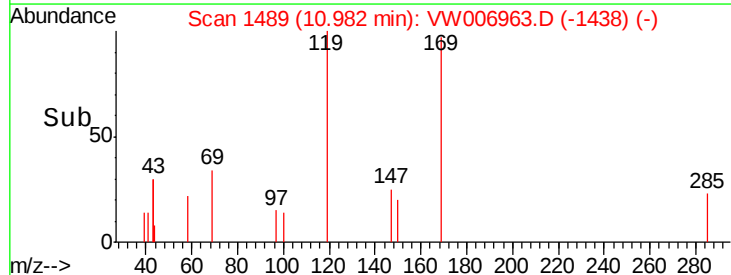
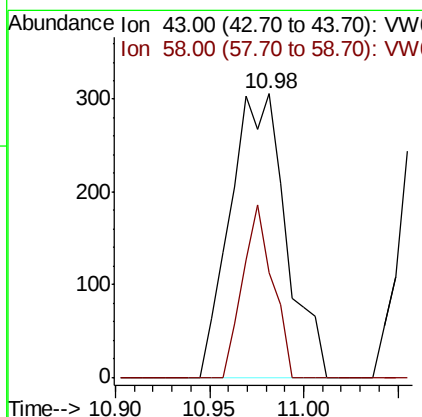
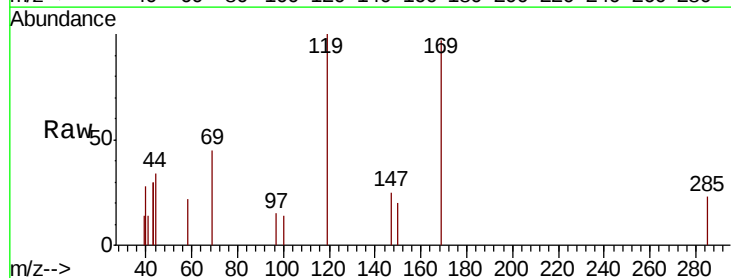
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-02(10-12)

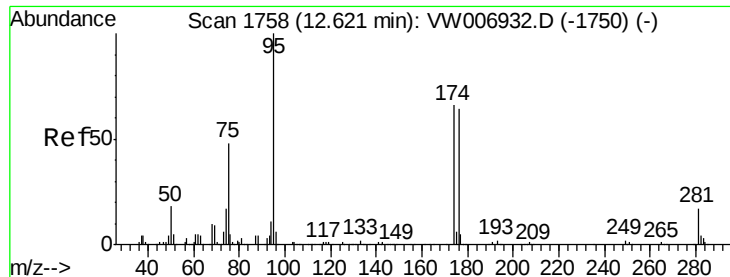
Tot Ion: 63 Resp: 566
 Ion Ratio Lower Upper
 63 100
 106 24.7 22.6 33.8



#59
 2-Hexanone
 Concen: 1.555 ug/l
 RT: 10.98 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VW006963.D
 Acq: 20 Nov 2018 00:23

Tgt Ion: 43 Resp: 627
 Ion Ratio Lower Upper
 43 100
 58 32.7 26.8 80.4

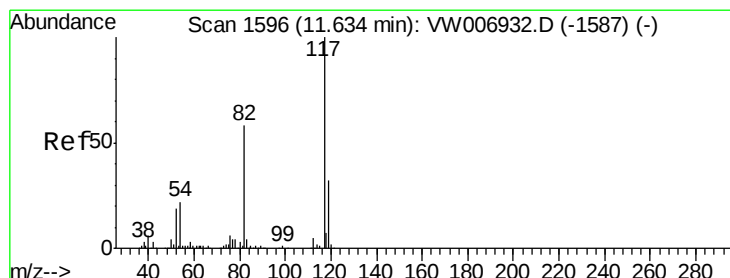
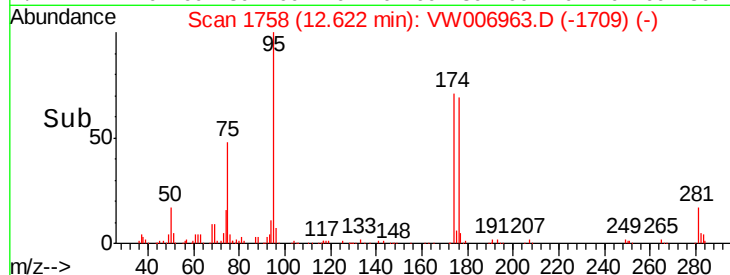
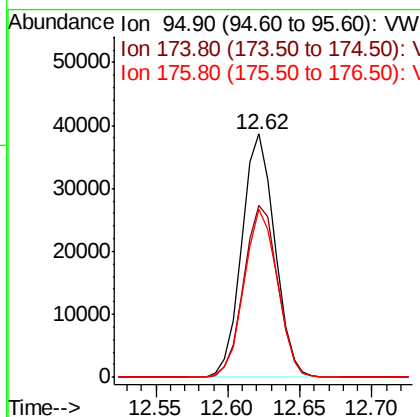
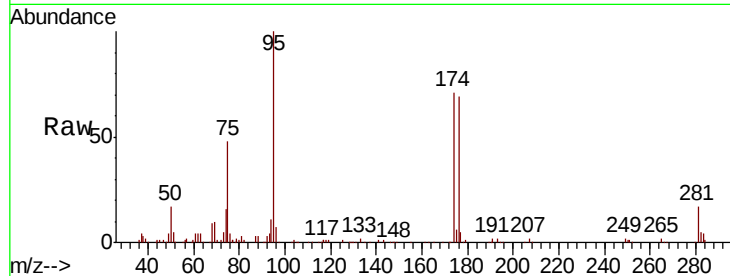




#62
4-Bromofluorobenzene
Concen: 39.777 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

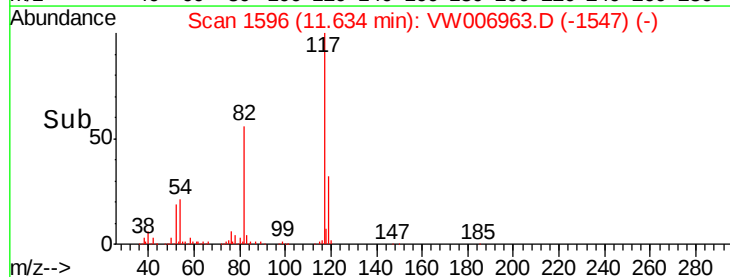
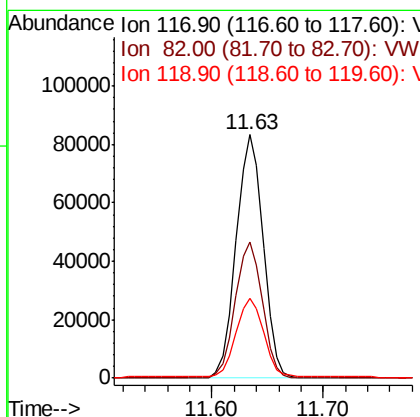
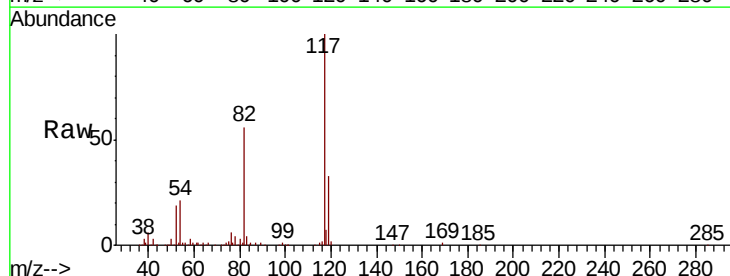
Instrument :
MSVOA_W
ClientSampleId :
MMTW-02(10-12)

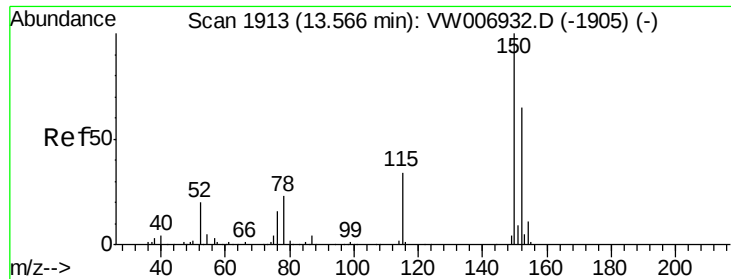
Tot Ion: 95 Resp: 61370
Ion Ratio Lower Upper
95 100
174 72.4 0.0 138.4
176 69.6 0.0 133.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Tgt Ion: 117 Resp: 139685
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.2
119 32.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006963.D

Acq: 20 Nov 2018 00:23

Instrument :

MSVOA_W

ClientSampleId :

MMTW-02(10-12)

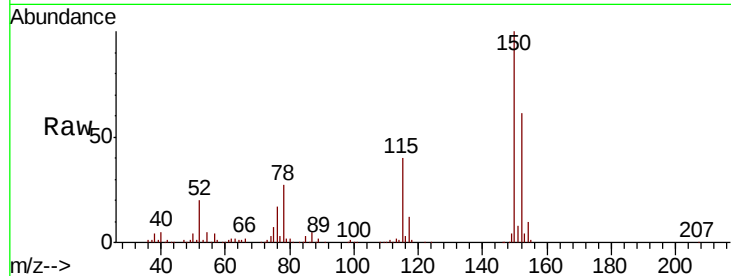
Tot Ion:152 Resp: 60041

Ion Ratio Lower Upper

152 100

115 63.2 31.6 94.7

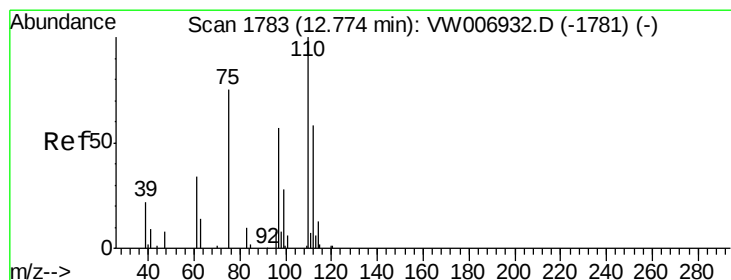
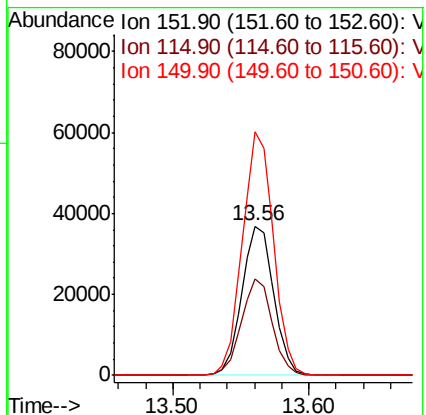
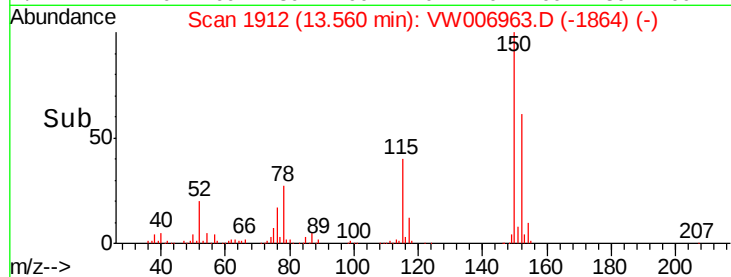
150 159.7 0.0 350.0



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: 61.979 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006963.D

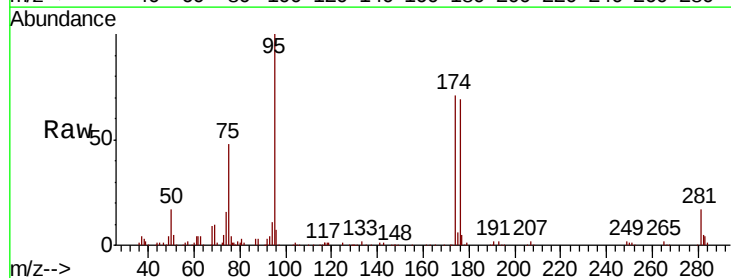
Acq: 20 Nov 2018 00:23

Tgt Ion: 75 Resp: 29905

Ion Ratio Lower Upper

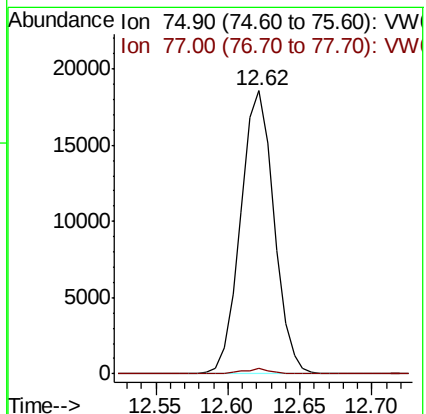
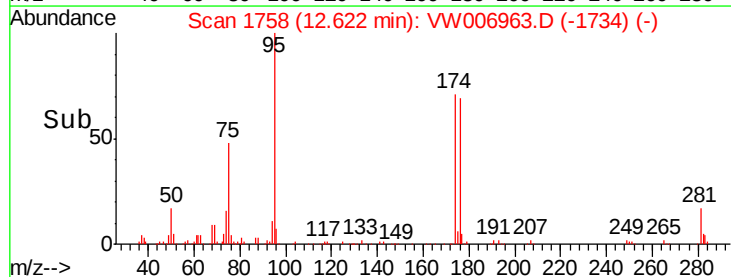
75 100

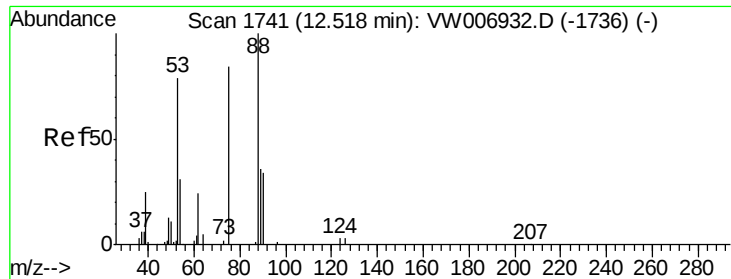
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

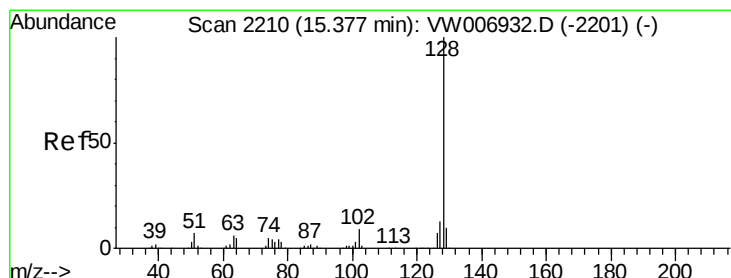
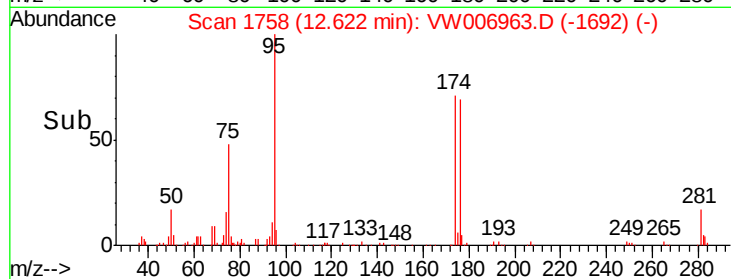
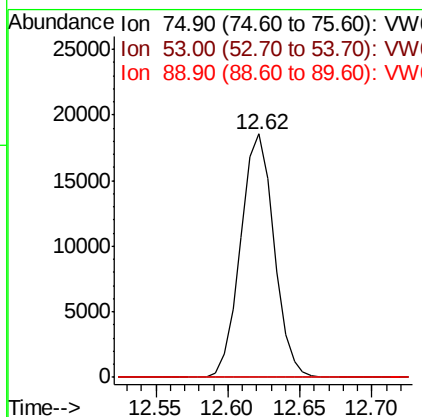
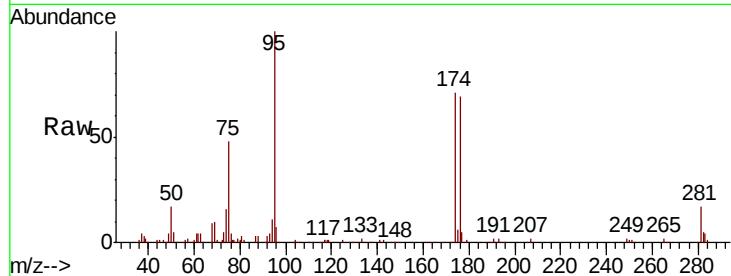




#81
trans-1,4-Dichloro-2-butene
Concen: 141.086 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Instrument :
MSVOA_W
ClientSampleId :
MMTW-02(10-12)

Tot Ion: 75 Resp: 29905
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 9.666 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006963.D
Acq: 20 Nov 2018 00:23

Tgt Ion: 128 Resp: 21594
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.5 12.7

