

Data File : VW002363.D

Acq On : 10 May 2018 07:10

Operator : JC/SY

Sample : J2680-07RE

Misc : 5.72G/5ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-DRE

Quant Time: May 10 08:24:40 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	107934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	172897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	123535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58703	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.88	113	52539	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	10.33	98	120163	28.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.86%	
62) 4-Bromofluorobenzene	12.63	95	47924	31.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.76%	

Target Compounds

						Qvalue
16) Acetone	4.13	43	8179	36.54	ug/l	98
18) Methyl Acetate	4.67	43	1575	2.35	ug/l #	65
20) Methylene Chloride	4.90	84	10197	9.45	ug/l	98
25) 2-Butanone	7.18	43	943	2.84	ug/l #	82
29) Tetrahydrofuran	7.53	42	301	1.38	ug/l #	38
30) Chloroform	7.68	83	2248	1.13	ug/l	96
31) Cyclohexane	7.94	56	2773	1.63	ug/l #	54
36) 1,1-Dichloropropene	7.95	75	8493	5.43	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10233	6.77	ug/l #	15
49) 1,4-Dioxane	9.40	88	19	1.87	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	1163	1.46	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	24753	60.33	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.96	105	4765	1.88	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.63	75	24753	158.92	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	11156	4.26	ug/l	95
90) Hexachloroethane	14.12	117	1409	2.84	ug/l #	7
95) Naphthalene	15.38	128	4710	2.63	ug/l #	95

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

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PL-02-050418-DRE

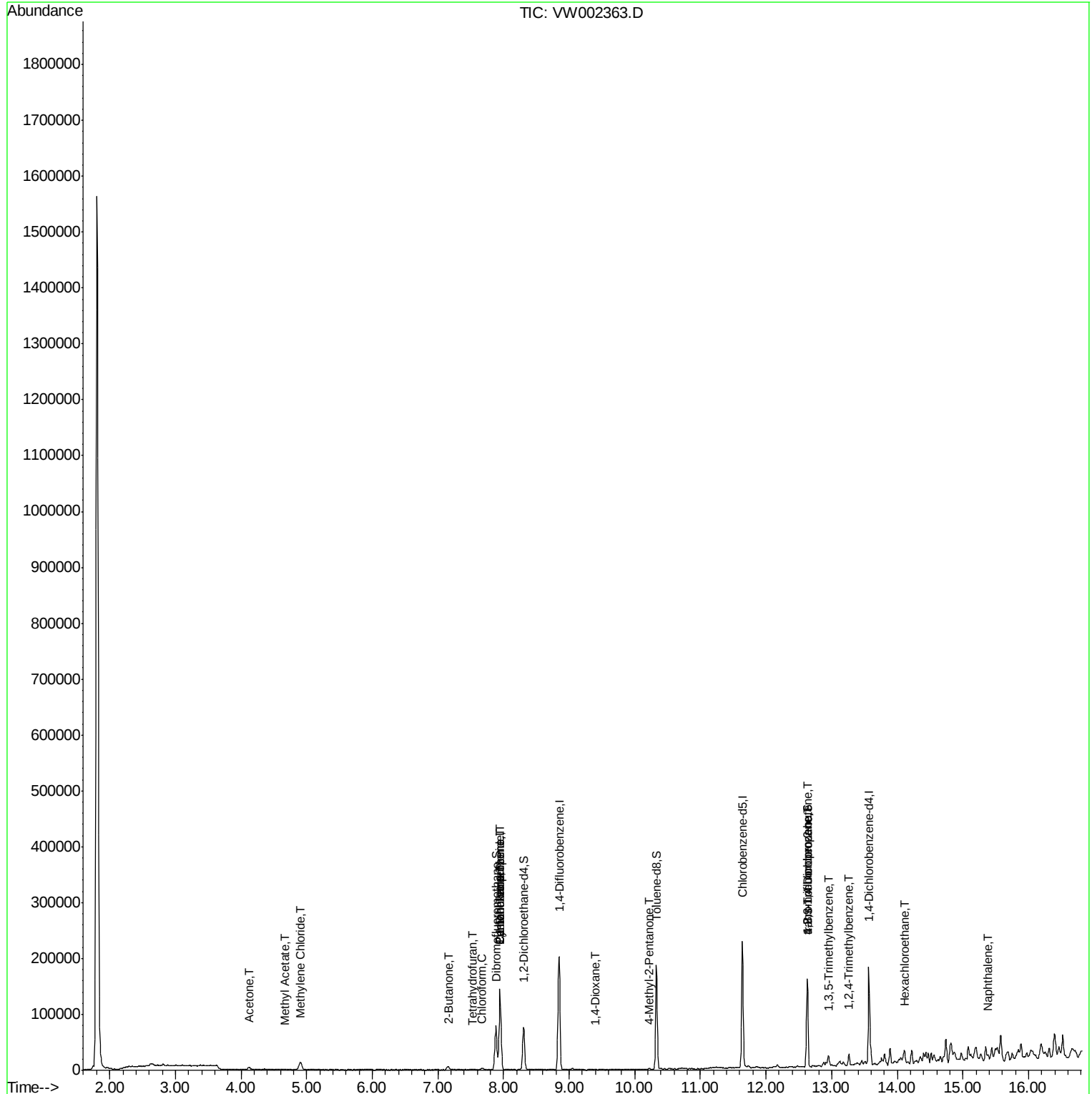
Quant Time: May 10 08:24:40 2018

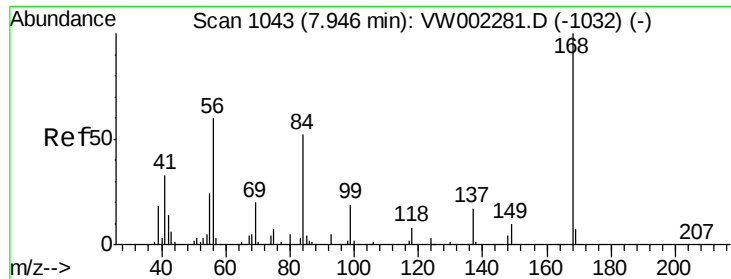
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

Quant Title : SW846 8260

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

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

Instrument :

MSVOA_W

ClientSampleId :

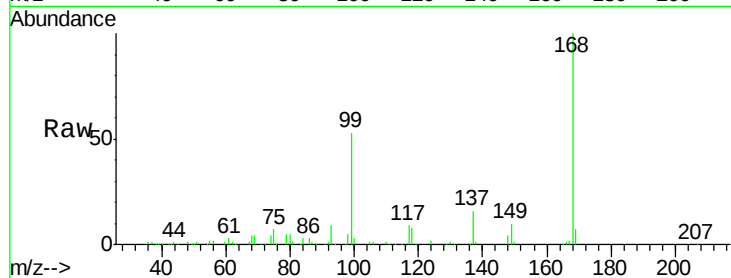
PL-02-050418-DRE

Tgt Ion:168 Resp: 107934

Ion Ratio Lower Upper

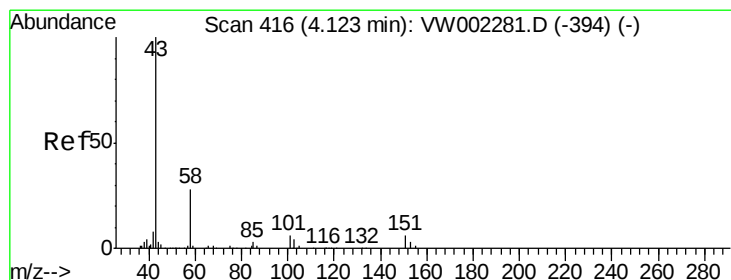
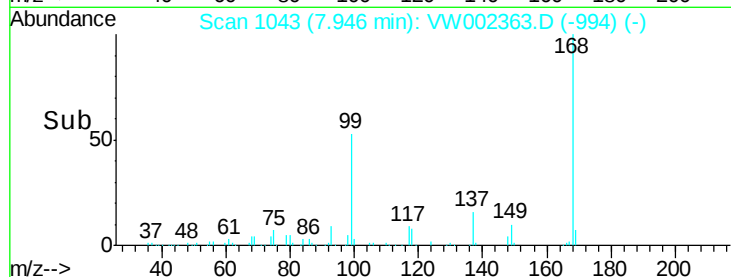
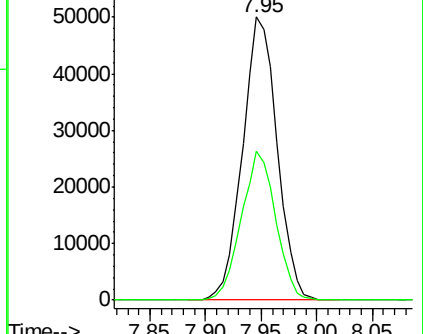
168 100

99 52.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 36.54 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002363.D

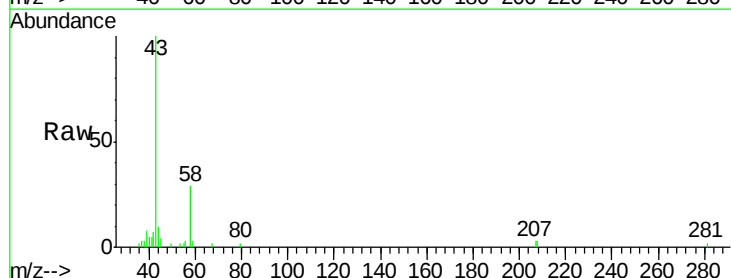
Acq: 10 May 2018 07:10

Tgt Ion: 43 Resp: 8179

Ion Ratio Lower Upper

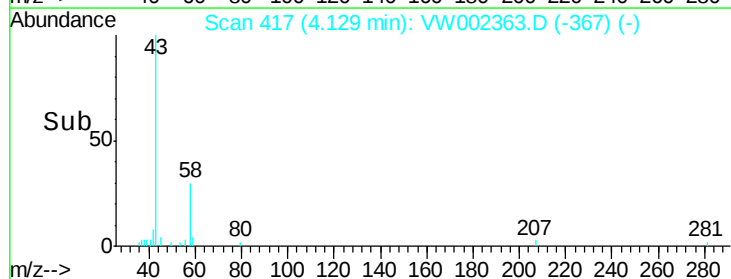
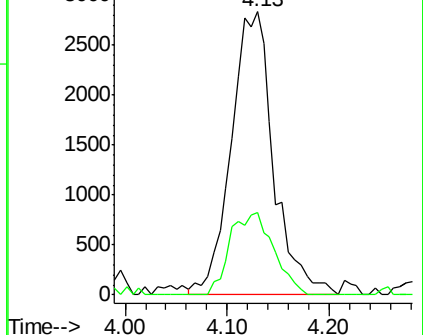
43 100

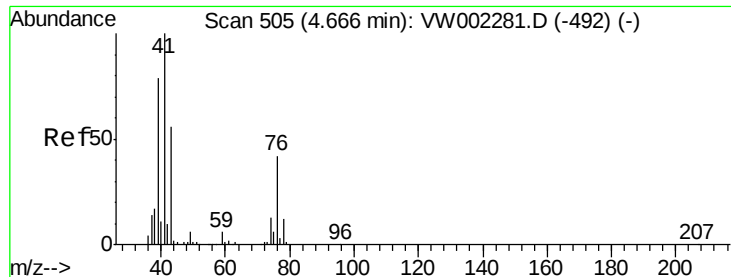
58 29.1 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

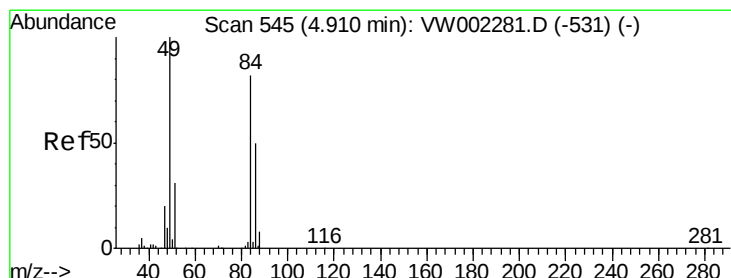
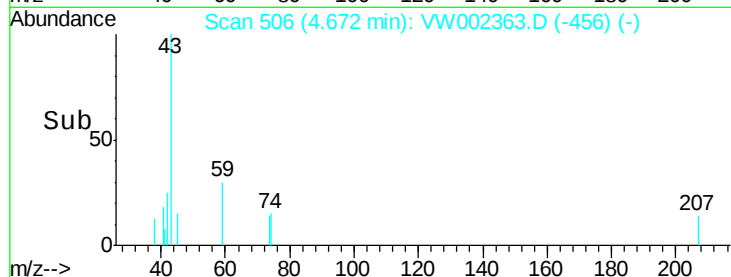
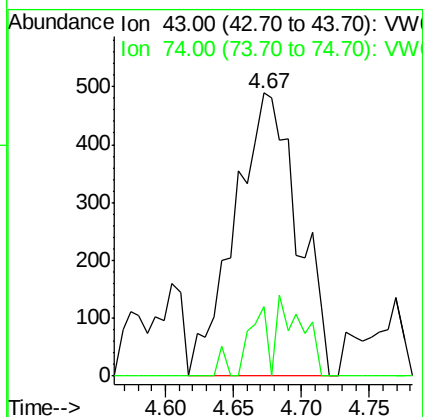
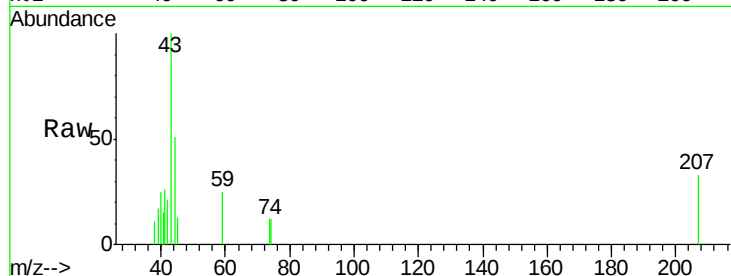




#18
Methyl Acetate
Concen: 2.35 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

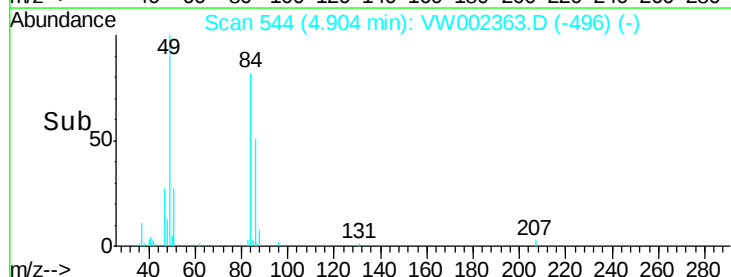
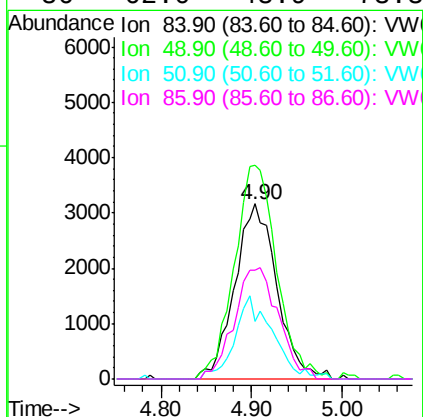
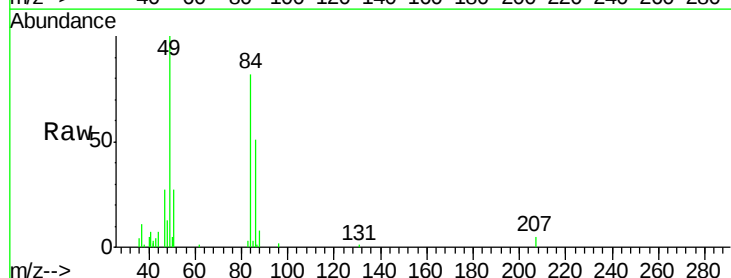
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-DRE

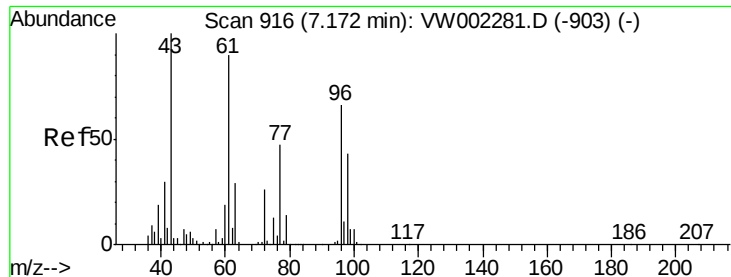
Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
74 6.7 19.4 29.2#



#20
Methylene Chloride
Concen: 9.45 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

Tgt Ion: 84 Resp: 10197
Ion Ratio Lower Upper
84 100
49 121.9 97.7 146.5
51 33.0 30.2 45.4
86 62.0 48.9 73.3





#25

2-Butanone

Concen: 2.84 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

Instrument :

MSVOA_W

ClientSampleId :

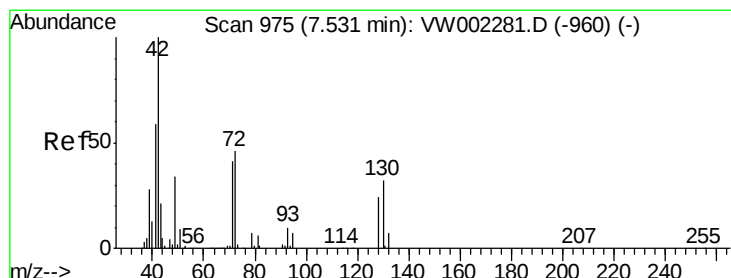
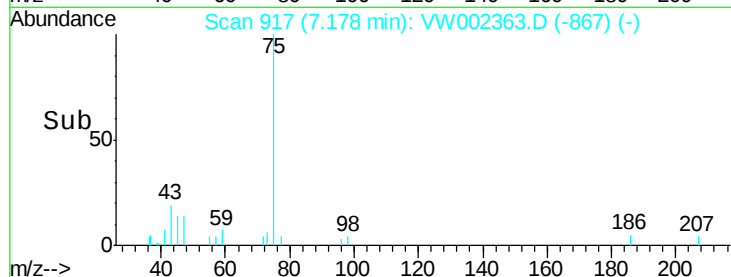
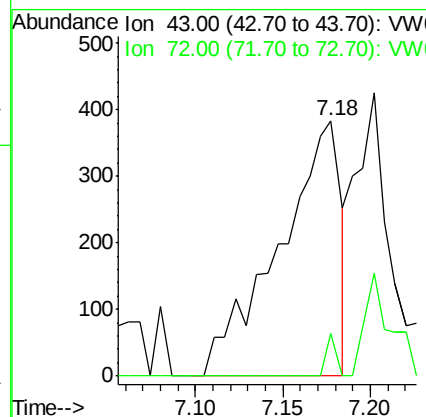
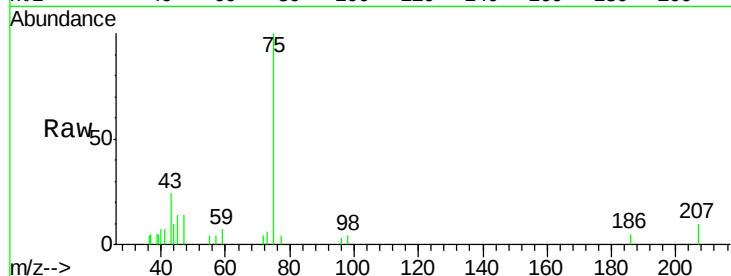
PL-02-050418-DRE

Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

72 16.7 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.38 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

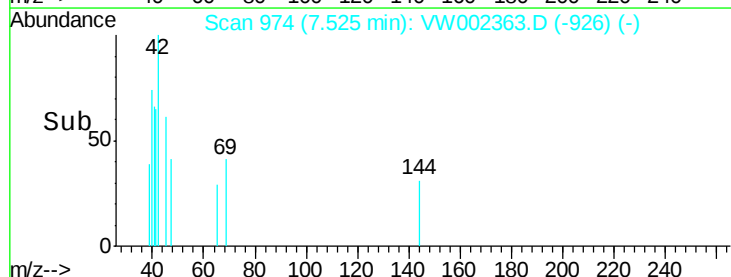
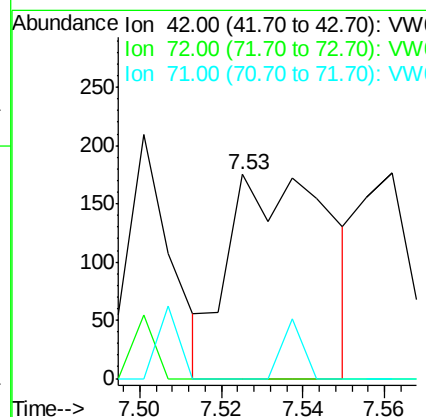
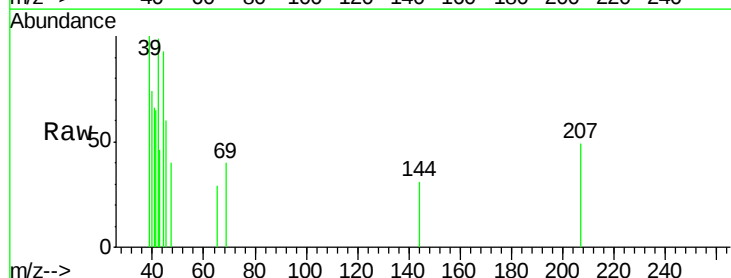
Tgt Ion: 42 Resp: 301

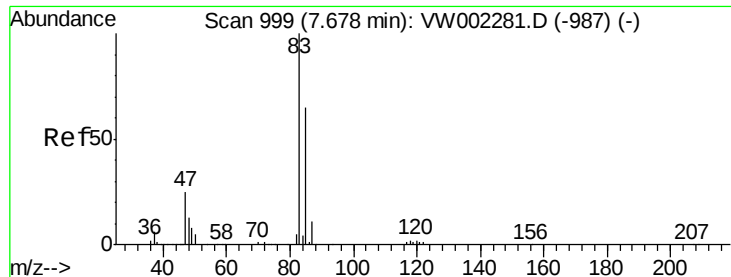
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 6.3 33.0 49.6#

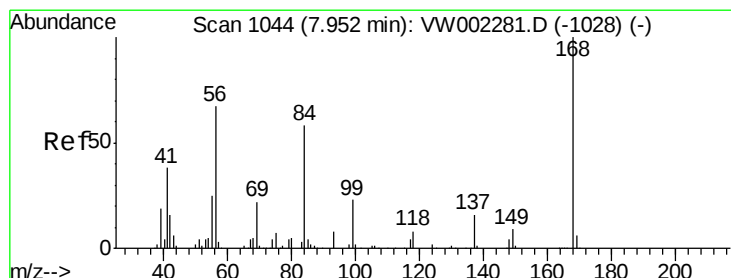
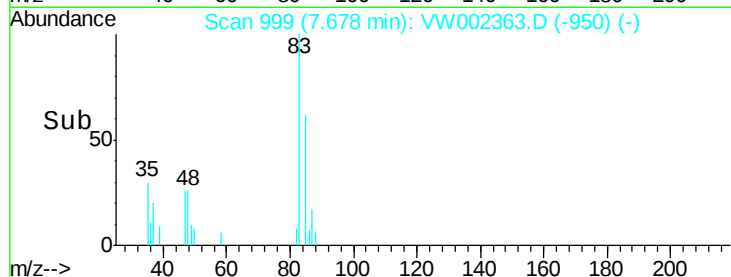
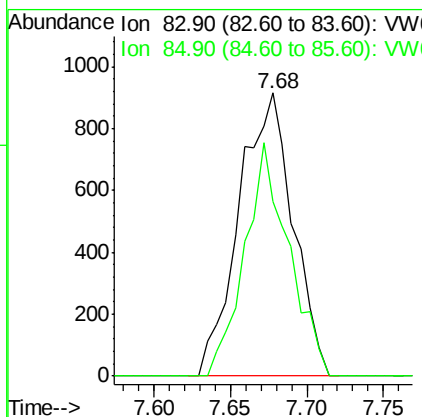
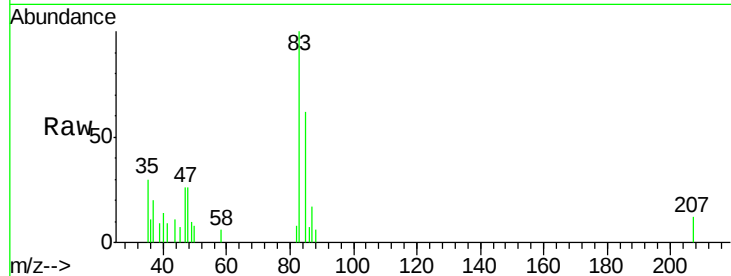




#30
Chloroform
Concen: 1.13 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

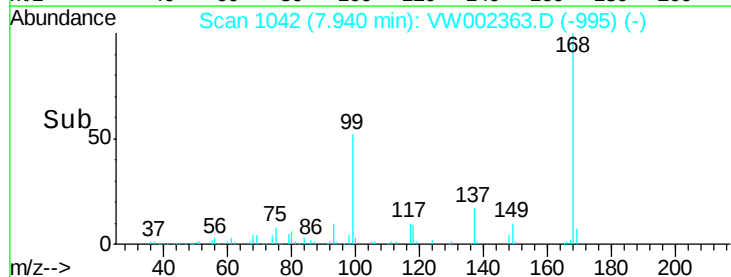
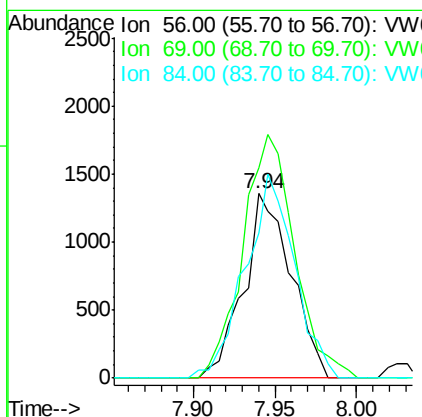
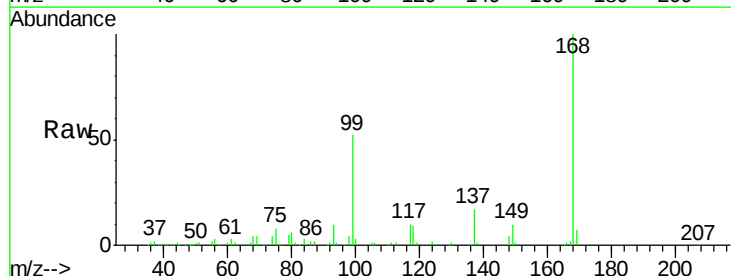
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-DRE

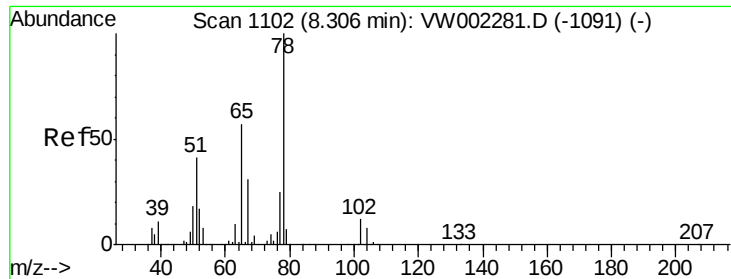
Tgt Ion: 83 Resp: 2248
Ion Ratio Lower Upper
83 100
85 61.8 51.8 77.6



#31
Cyclohexane
Concen: 1.63 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

Tgt Ion: 56 Resp: 2773
Ion Ratio Lower Upper
56 100
69 114.1 26.2 39.4#
84 79.0 69.2 103.8

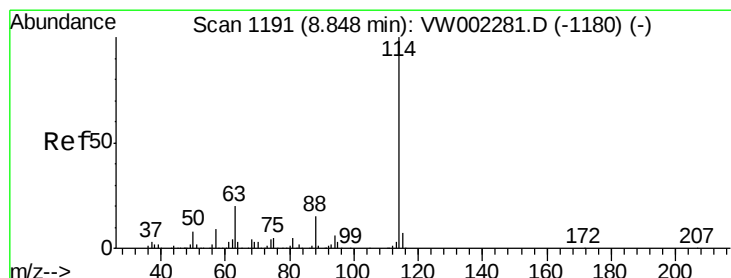
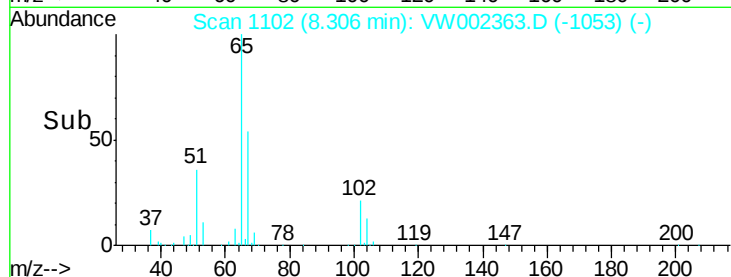
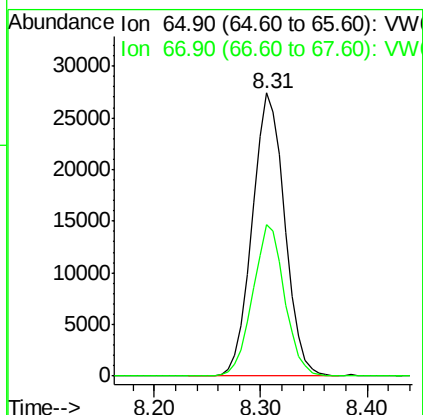
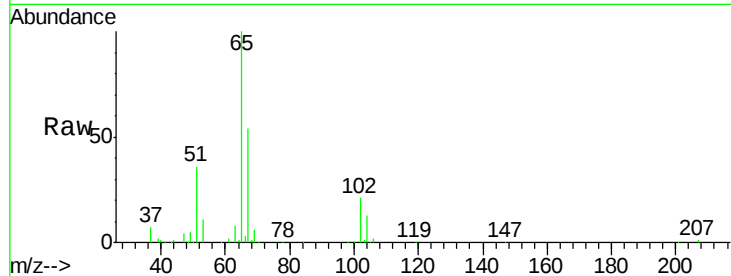




#33
 1,2-Dichloroethane-d4
 Concen: 51.22 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002363.D
 Acq: 10 May 2018 07:10

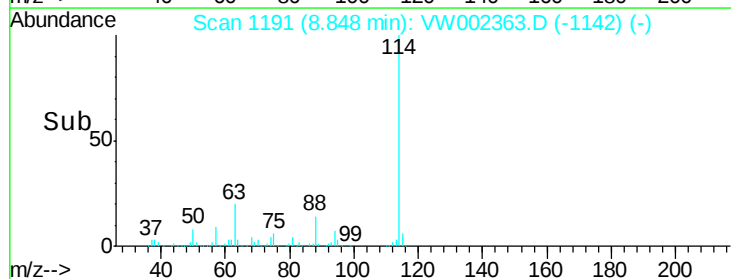
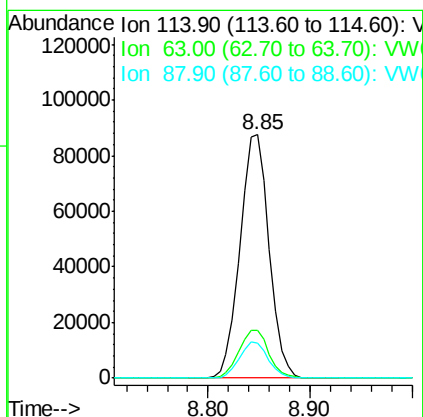
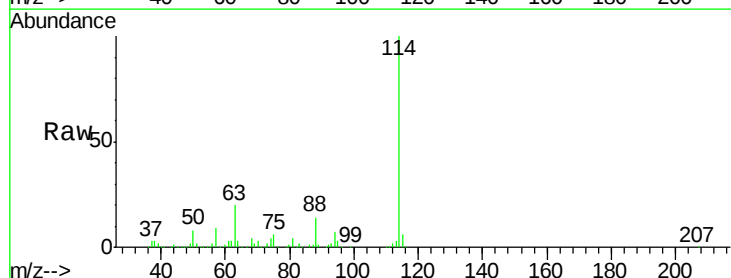
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-DRE

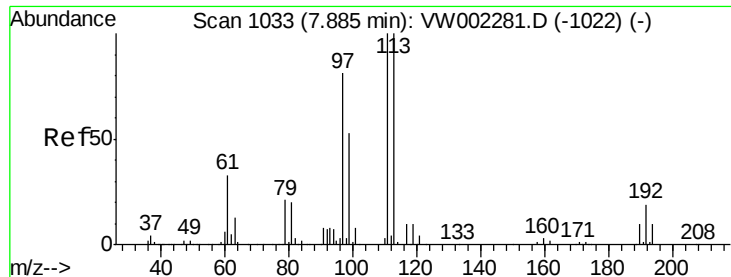
Tgt Ion: 65 Resp: 58703
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW002363.D
 Acq: 10 May 2018 07:10

Tgt Ion: 114 Resp: 172897
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 14.2 0.0 29.6

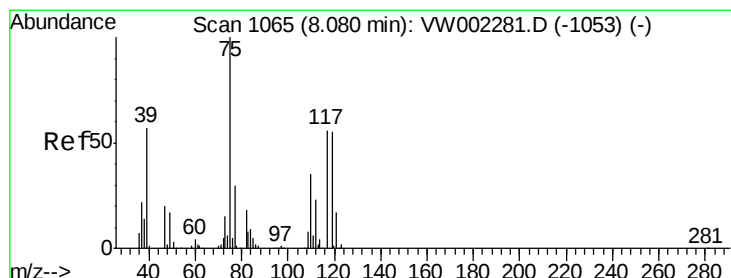
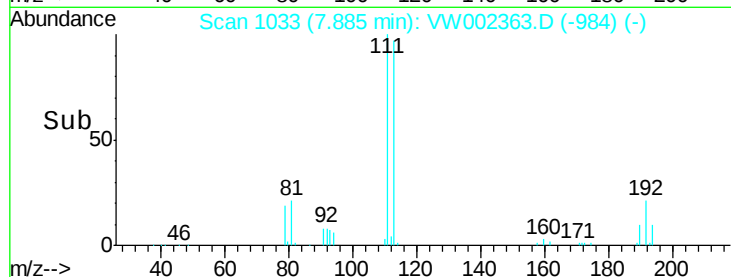
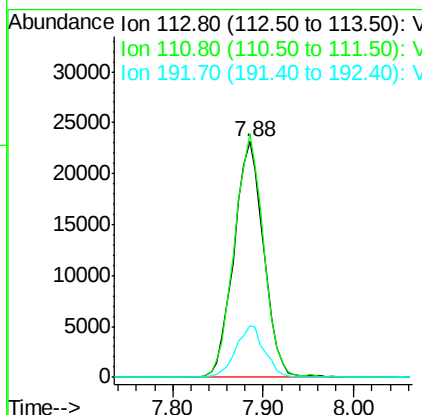
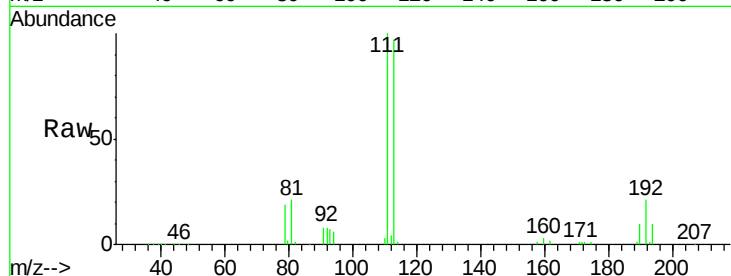




#35
Dibromofluoromethane
Concen: 47.41 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

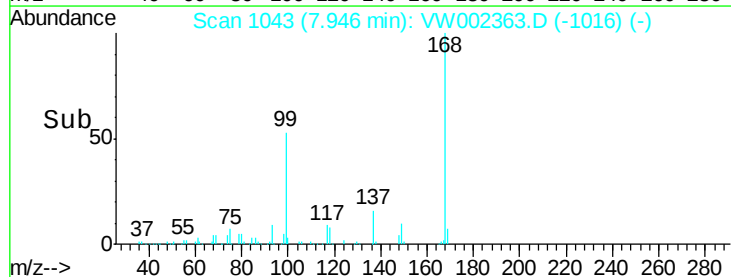
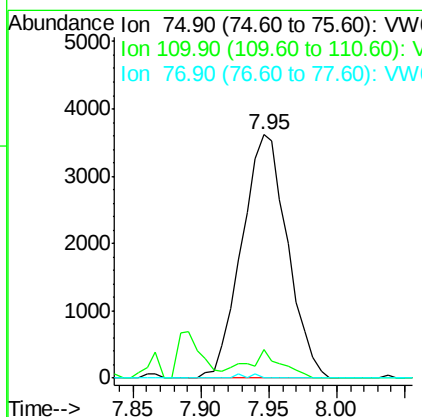
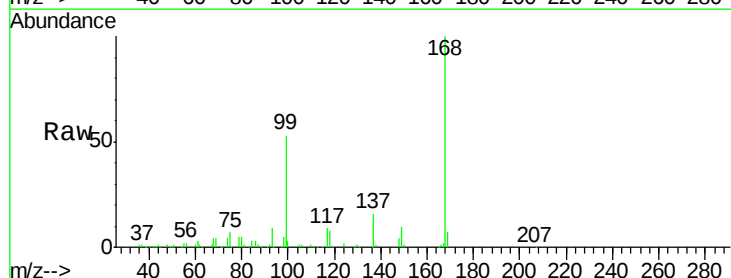
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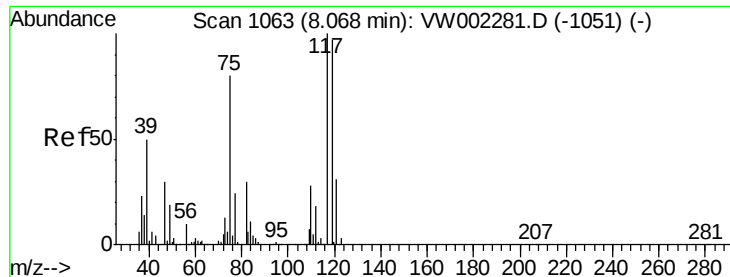
Tgt Ion: 113 Resp: 52539
Ion Ratio Lower Upper
113 100
111 102.1 81.5 122.3
192 21.1 16.4 24.6



#36
1,1-Dichloropropene
Concen: 5.43 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

Tgt Ion: 75 Resp: 8493
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.1#
77 0.5 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.77 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-DRE

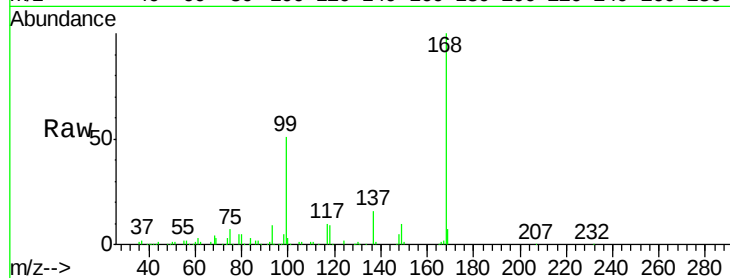
Tgt Ion: 117 Resp: 10233

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

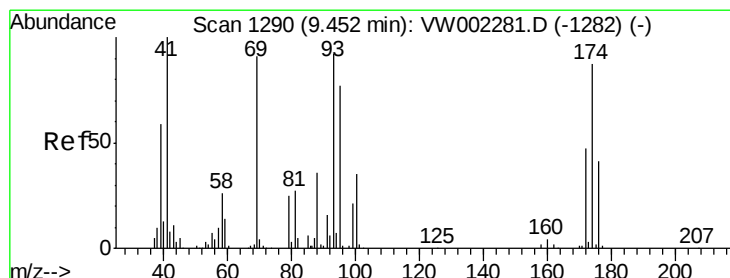
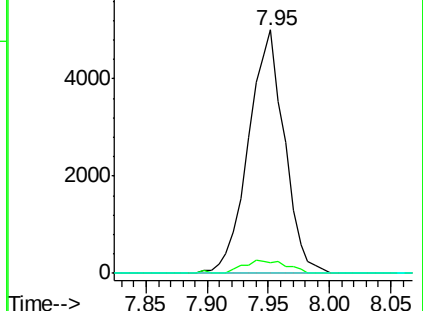
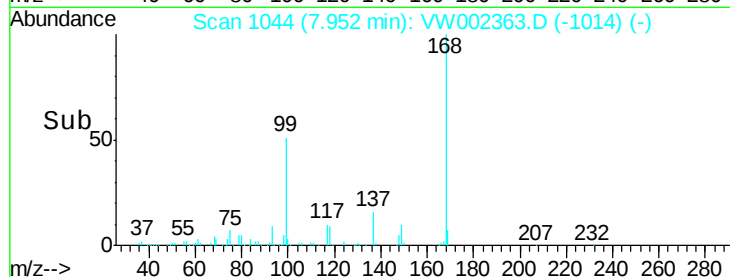
121 0.0 24.4 36.6#



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: 1.87 ug/l

RT: 9.40 min Scan# 1282

Delta R.T. -0.05 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

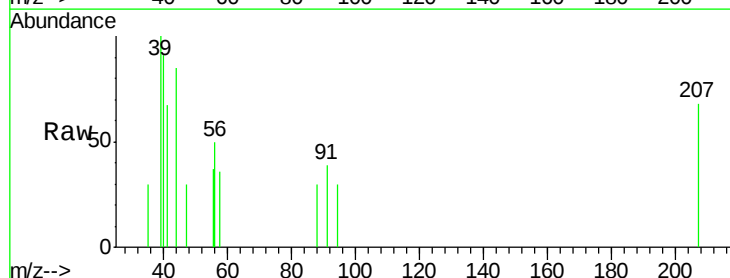
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 305.3 26.3 39.5#

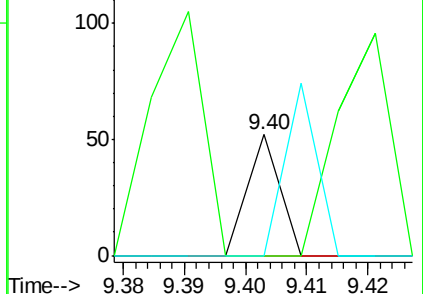
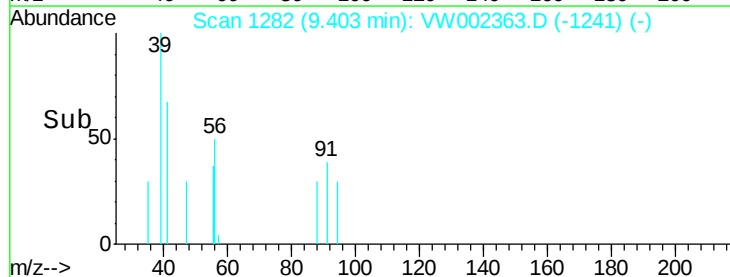
58 142.1 56.0 84.0#

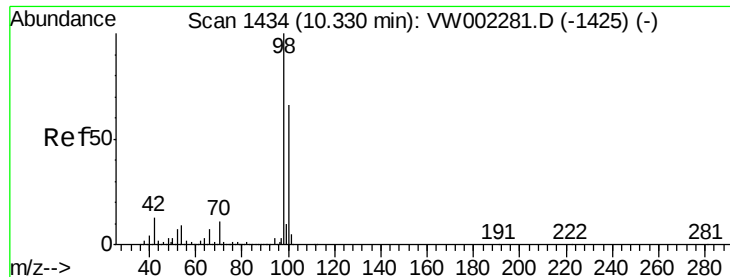


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 28.43 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

Instrument :

MSVOA_W

ClientSampleId :

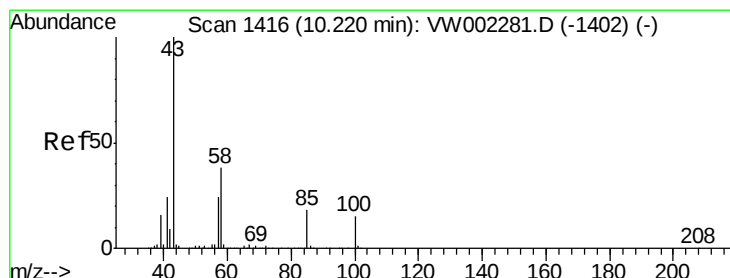
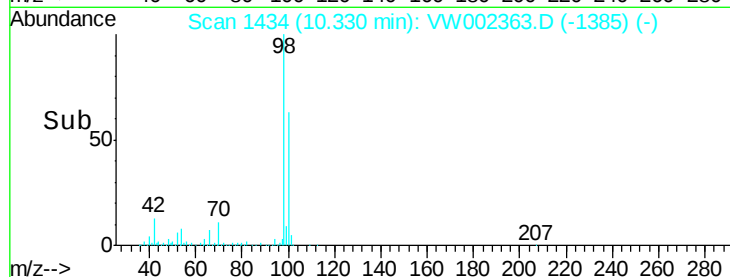
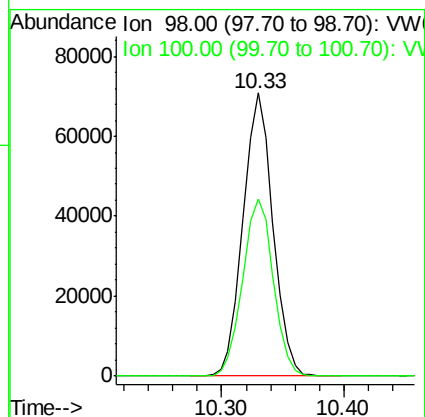
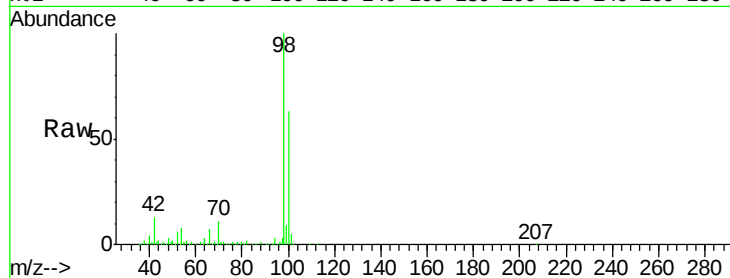
PL-02-050418-DRE

Tgt Ion: 98 Resp: 120163

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2



#51

4-Methyl-2-Pentanone

Concen: 1.46 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002363.D

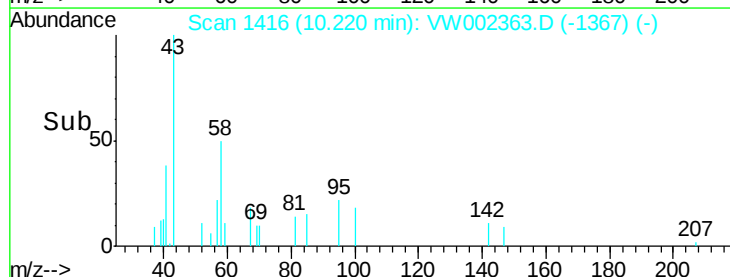
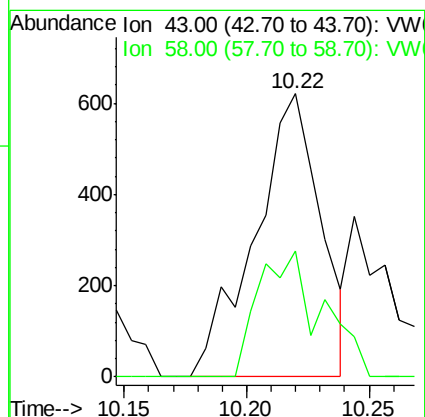
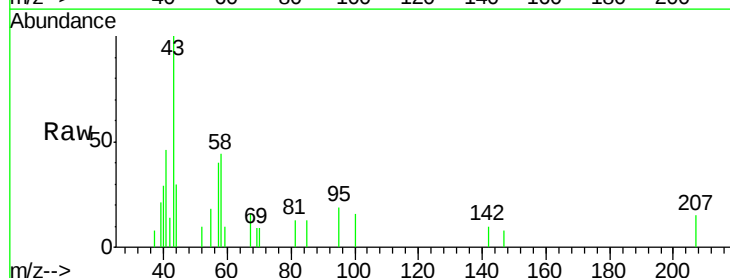
Acq: 10 May 2018 07:10

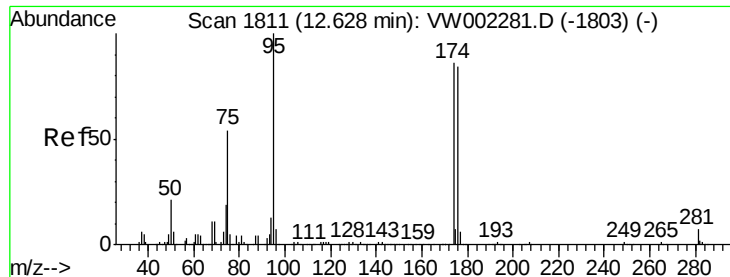
Tgt Ion: 43 Resp: 1163

Ion Ratio Lower Upper

43 100

58 42.6 30.2 45.2





#62

4-Bromofluorobenzene

Concen: 31.38 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-DRE

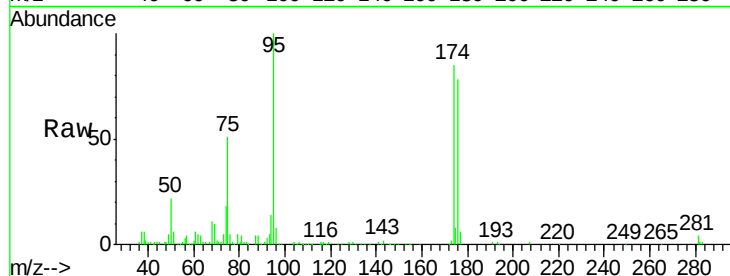
Tgt Ion: 95 Resp: 47924

Ion Ratio Lower Upper

95 100

174 87.7 0.0 176.8

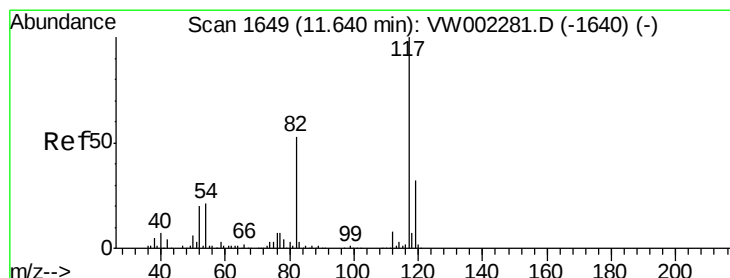
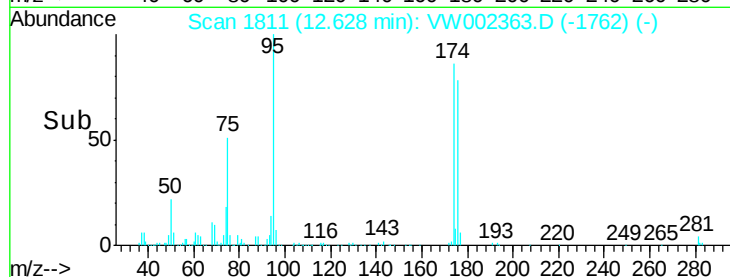
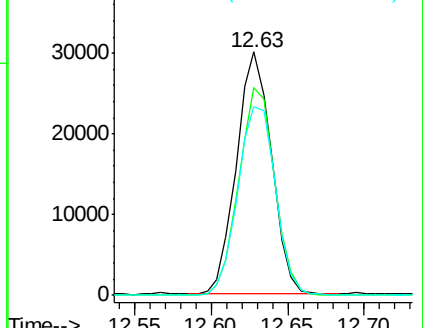
176 83.6 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

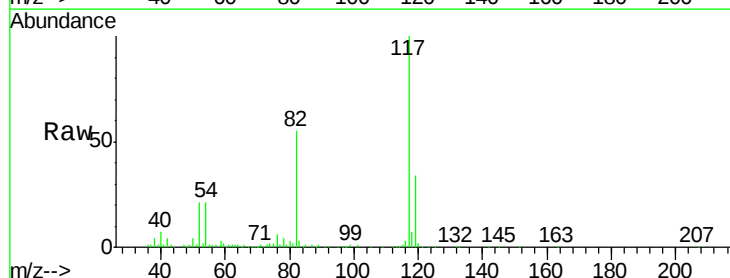
Tgt Ion: 117 Resp: 123535

Ion Ratio Lower Upper

117 100

82 54.4 42.6 63.8

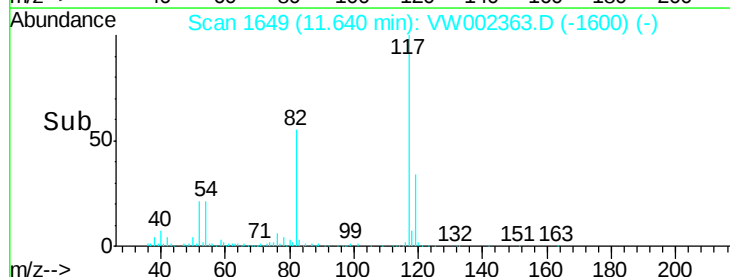
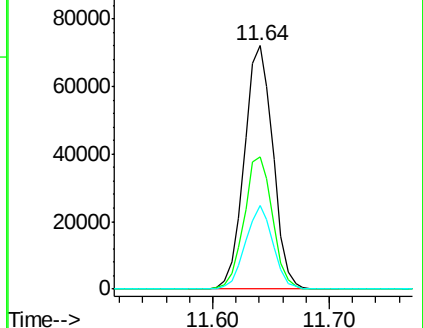
119 34.3 25.2 37.8

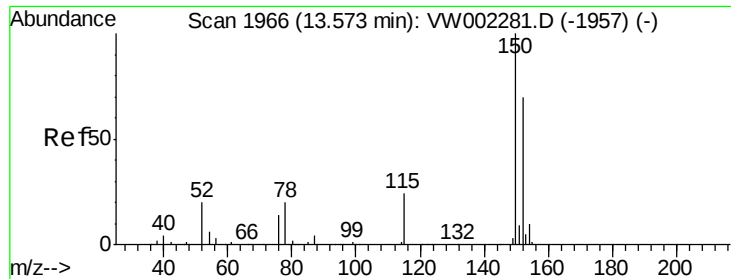


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002363.D

Acq: 10 May 2018 07:10

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-DRE

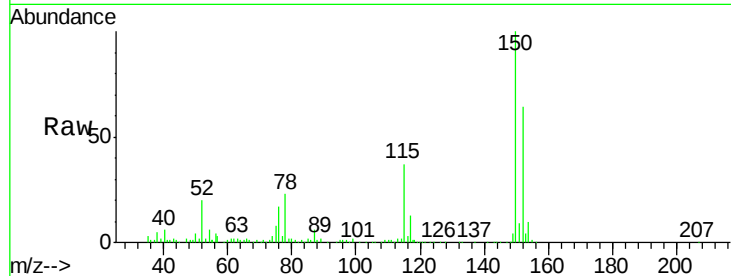
Tgt Ion:152 Resp: 46266

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.5

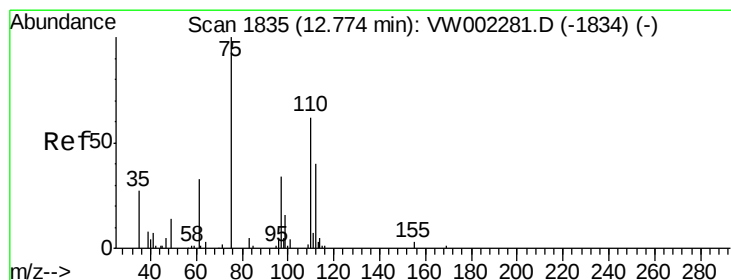
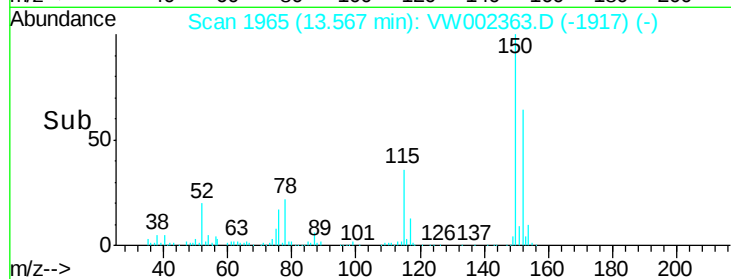
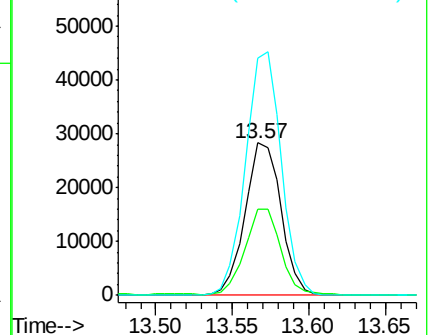
150 158.5 0.0 342.6



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: 60.33 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002363.D

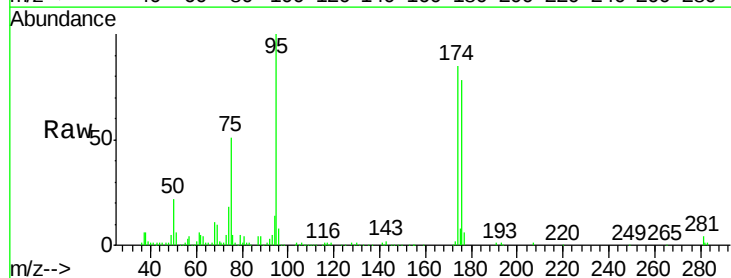
Acq: 10 May 2018 07:10

Tgt Ion: 75 Resp: 24753

Ion Ratio Lower Upper

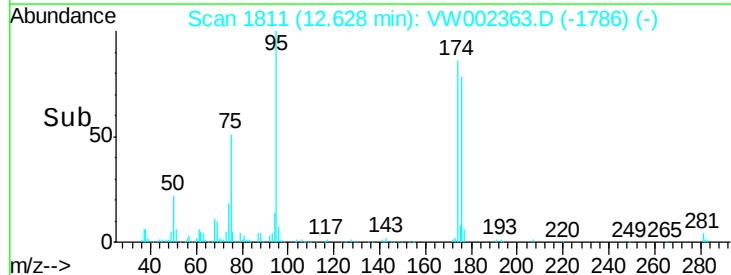
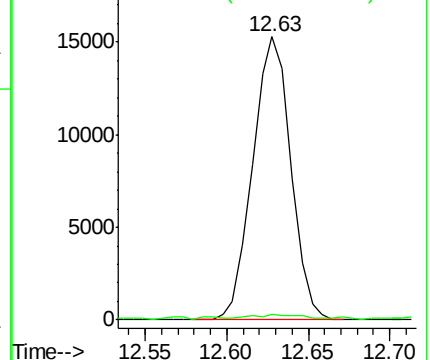
75 100

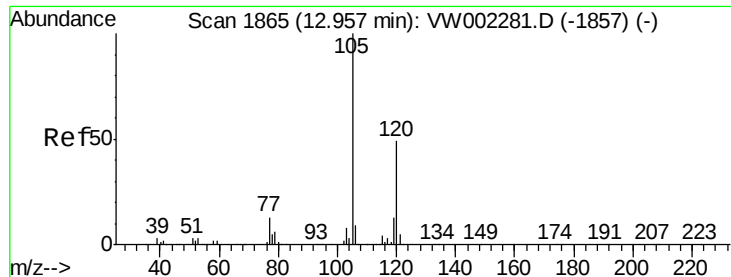
77 1.4 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

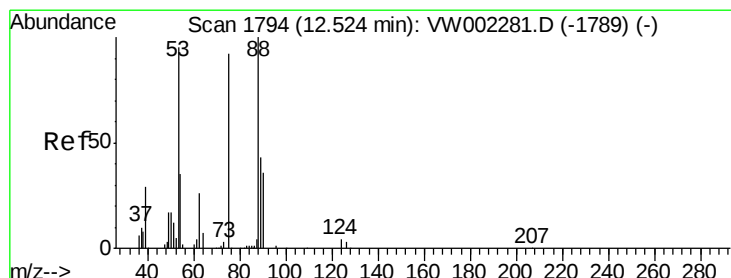
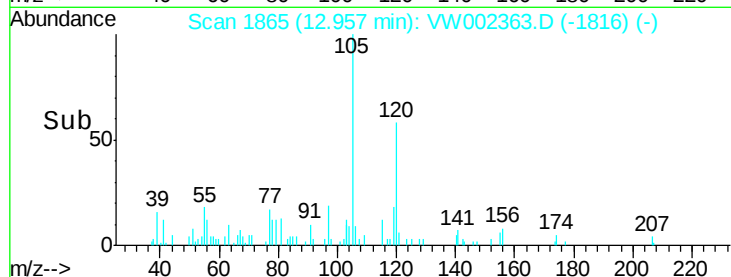
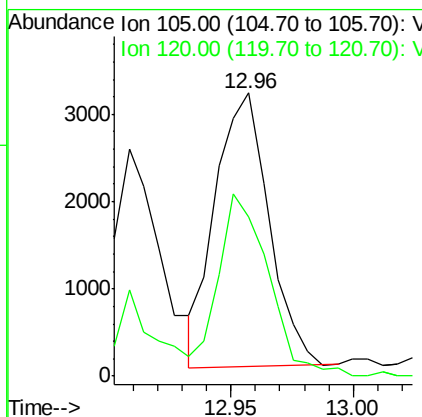
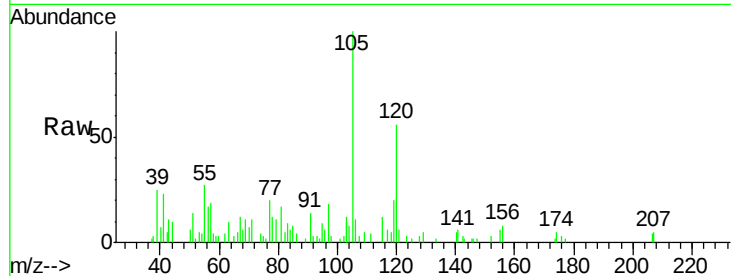




#80
 1,3,5-Trimethylbenzene
 Concen: 1.88 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VW002363.D
 Acq: 10 May 2018 07:10

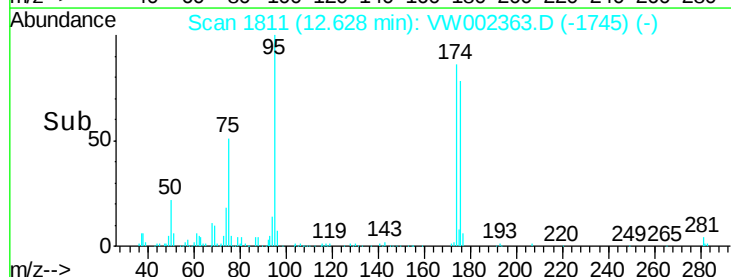
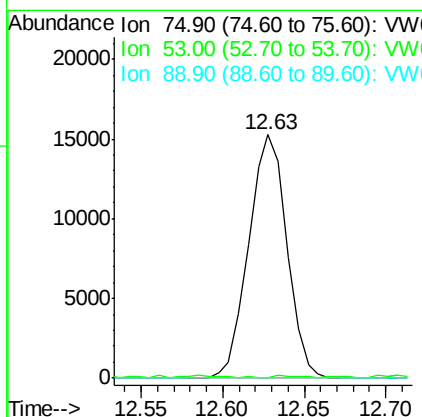
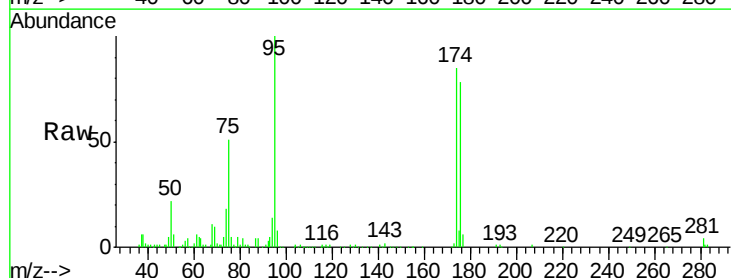
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-DRE

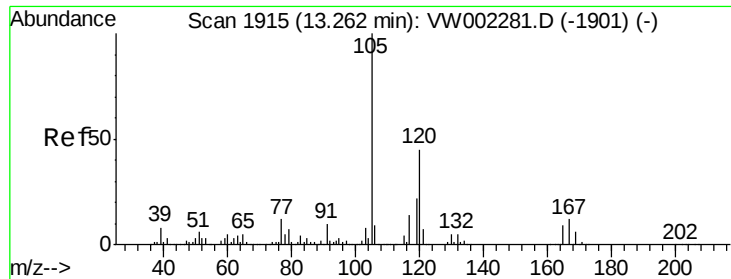
Tgt Ion: 105 Resp: 4765
 Ion Ratio Lower Upper
 105 100
 120 62.7 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.92 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002363.D
 Acq: 10 May 2018 07:10

Tgt Ion: 75 Resp: 24753
 Ion Ratio Lower Upper
 75 100
 53 1.4 79.9 119.9#
 89 0.1 37.6 56.4#

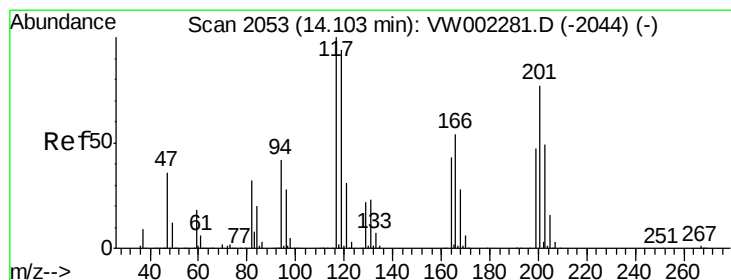
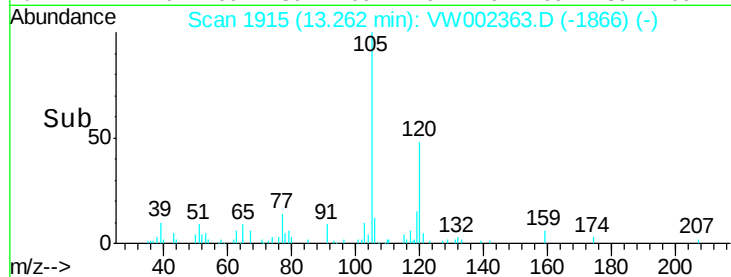
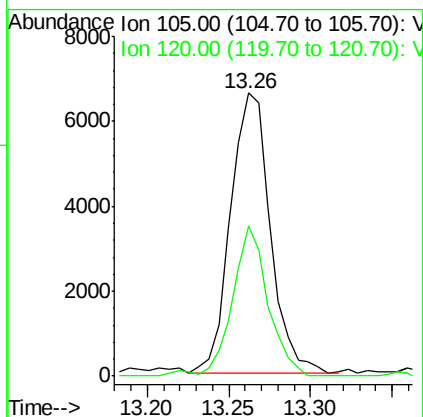
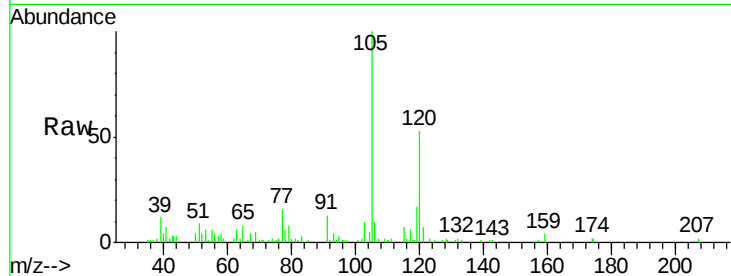




#84
 1,2,4-Trimethylbenzene
 Concen: 4.26 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002363.D
 Acq: 10 May 2018 07:10

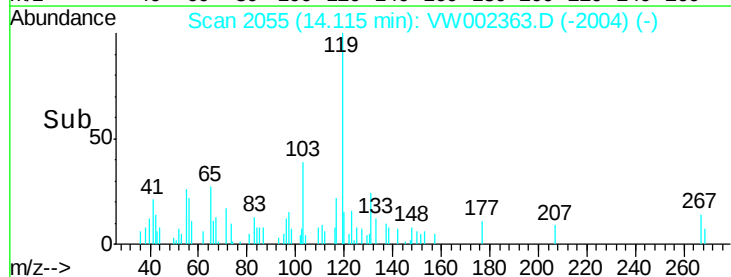
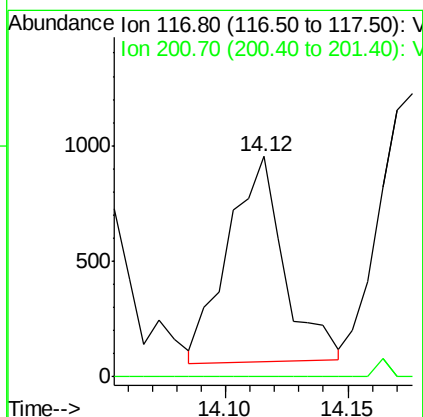
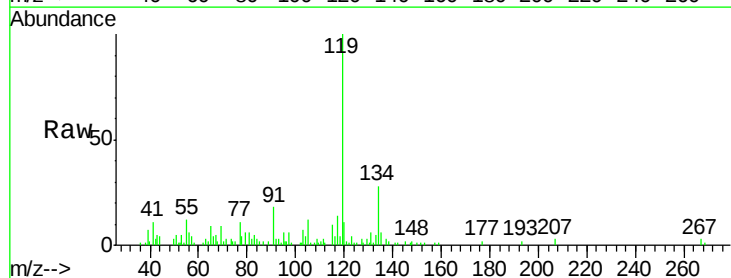
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-DRE

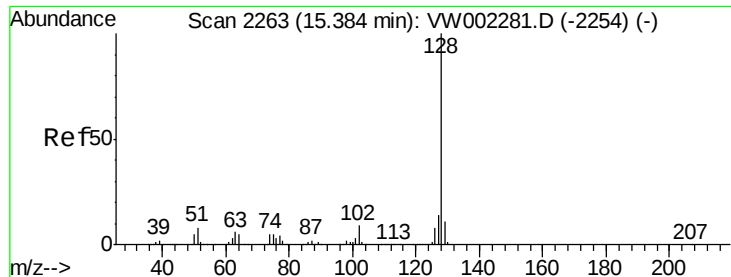
Tgt Ion:105 Resp: 11156
 Ion Ratio Lower Upper
 105 100
 120 48.3 22.5 67.5



#90
 Hexachloroethane
 Concen: 2.84 ug/l
 RT: 14.12 min Scan# 2055
 Delta R.T. 0.01 min
 Lab File: VW002363.D
 Acq: 10 May 2018 07:10

Tgt Ion:117 Resp: 1409
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.2 126.6#

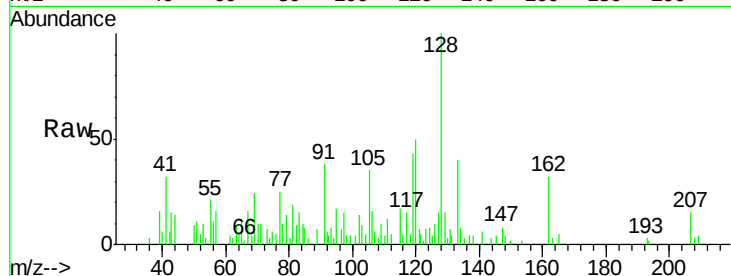




#95
Naphthalene
Concen: 2.63 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002363.D
Acq: 10 May 2018 07:10

Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-DRE

Tgt Ion:128 Resp: 4710
Ion Ratio Lower Upper
128 100
127 17.2 11.0 16.4#
129 11.4 8.7 13.1



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

