

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003300.D
 Acq On : 15 Jun 2018 18:53
 Operator : SY/AP
 Sample : J3241-11RE
 Misc : 5.34G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:49:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	158952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	262209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81028	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	122711	71.27	ug/l	0.00
Spiked Amount			Recovery	=	142.54%	
35) Dibromofluoromethane	7.89	113	103897	63.77	ug/l	0.00
Spiked Amount			Recovery	=	127.54%	
50) Toluene-d8	10.33	98	336098	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.62	95	109796	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	

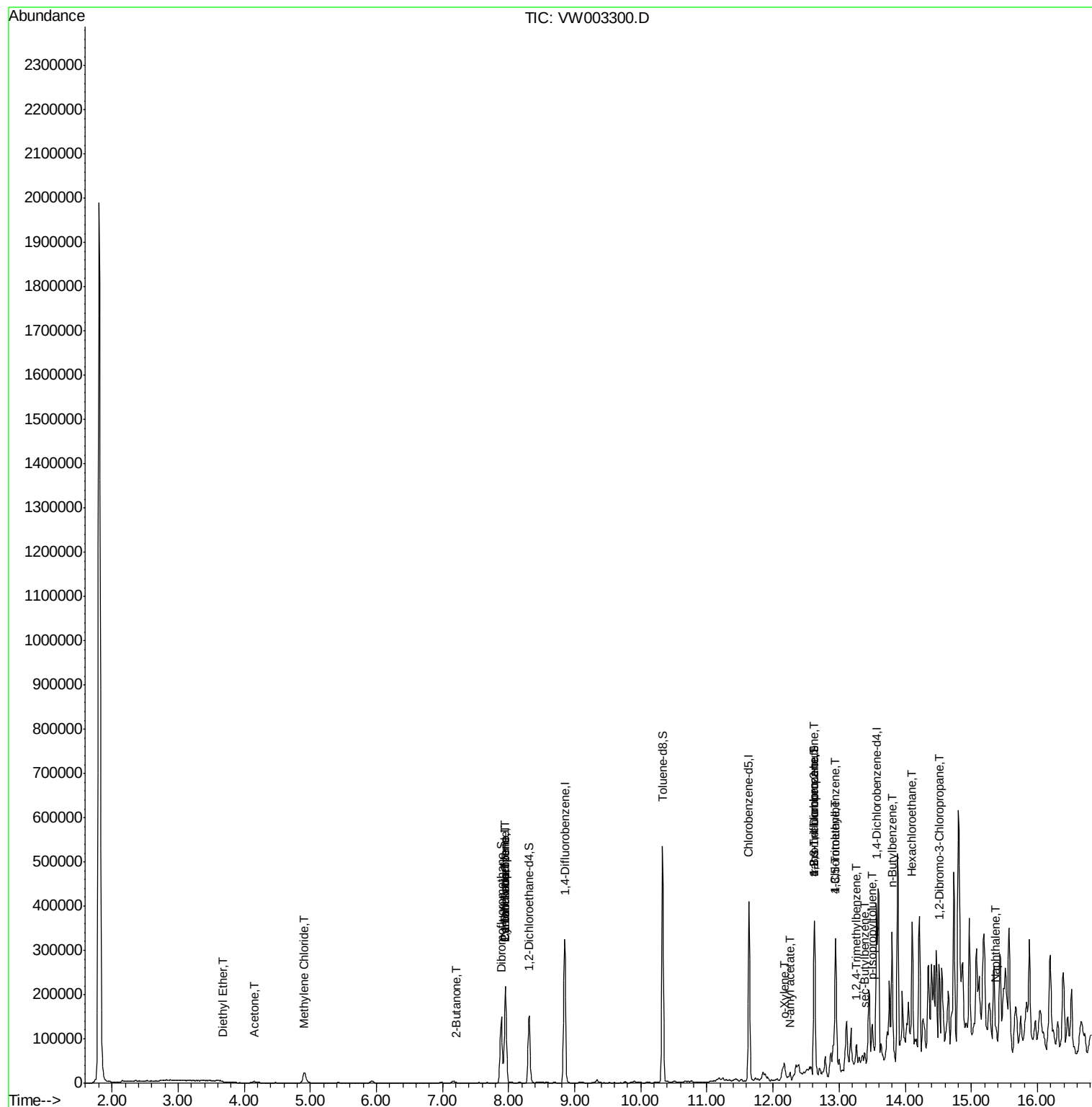
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	785	1.008	ug/l	63
16) Acetone	4.15	43	6248	17.303	ug/l #	89
20) Methylene Chloride	4.91	84	17858	8.603	ug/l	92
25) 2-Butanone	7.21	43	854	1.902	ug/l #	50
31) Cyclohexane	7.95	56	5732	2.060	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	12571	4.964	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15920	6.409	ug/l #	17
69) o-Xylene	12.17	106	7687	2.713	ug/l	94
74) N-amyl acetate	12.26	43	3901	3.041	ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	59881	86.446	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	87087	18.409	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	59881	198.918	ug/l #	9
82) 4-Chlorotoluene	12.95	91	10265	2.481	ug/l #	47
84) 1,2,4-Trimethylbenzene	13.26	105	28389	5.834	ug/l	98
85) sec-Butylbenzene	13.39	105	10299	1.719	ug/l	85
86) p-Isopropyltoluene	13.51	119	29869	5.651	ug/l	95
89) n-Butylbenzene	13.80	91	38654	7.503	ug/l #	1
90) Hexachloroethane	14.11	117	14211	14.864	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	685	4.269	ug/l #	28
95) Naphthalene	15.38	128	4811	1.711	ug/l #	86

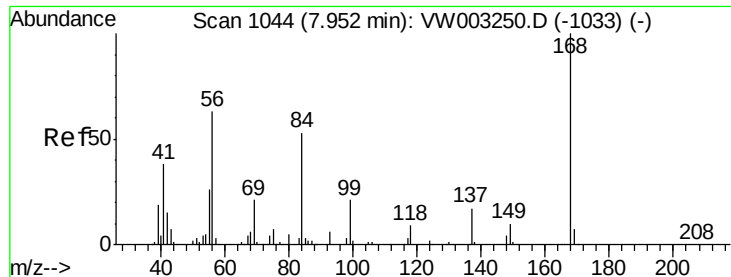
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

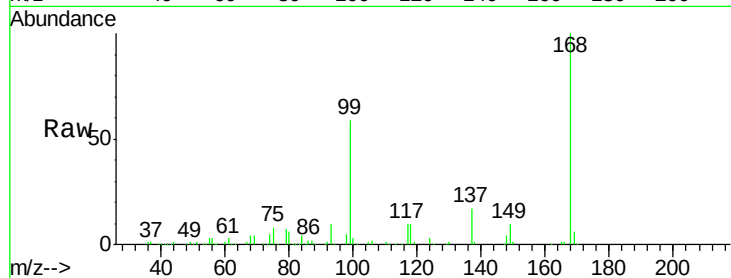
ClientSampled :

Tot Ion:168 Resp: 158952

Ion Ratio Lower Upper

168 100

99 59.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

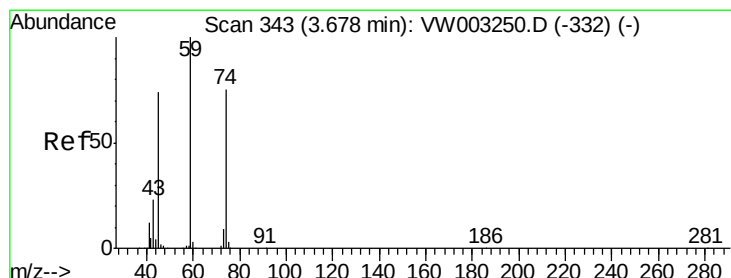
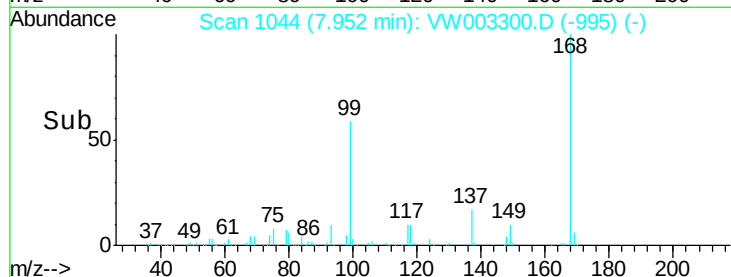
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.008 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.00 min

Lab File: VW003300.D

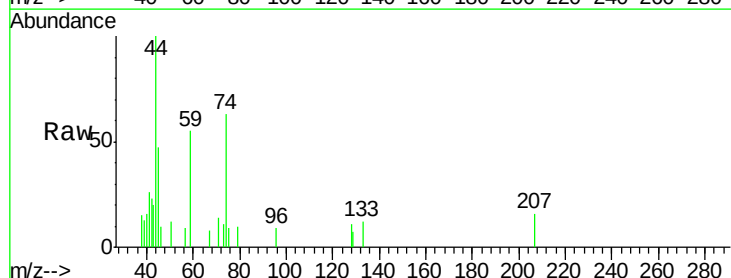
Acq: 15 Jun 2018 18:53

Tgt Ion: 74 Resp: 785

Ion Ratio Lower Upper

74 100

45 140.1 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

500

400

300

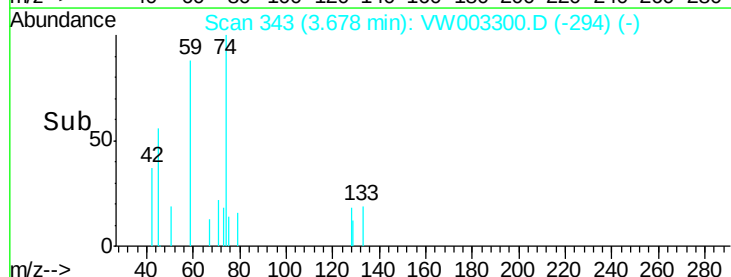
200

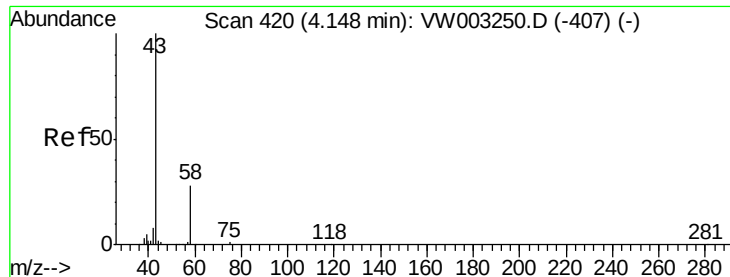
100

0

3.60 3.65 3.70

Time-->





#16

Acetone

Concen: 17.303 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

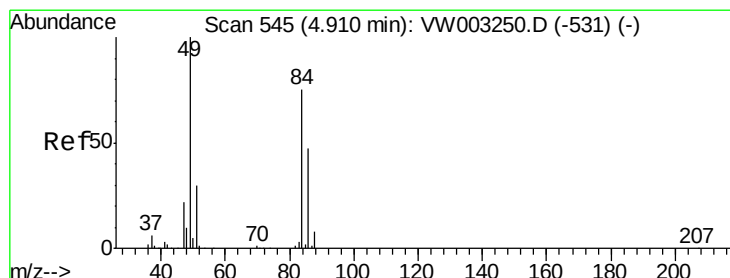
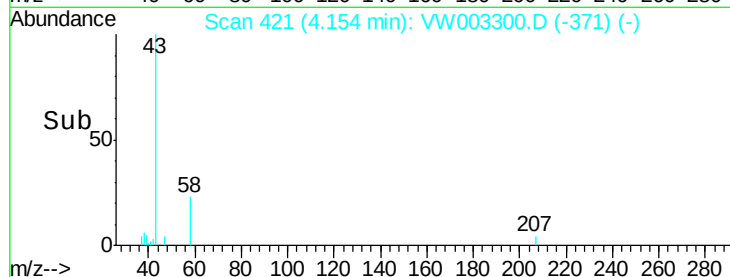
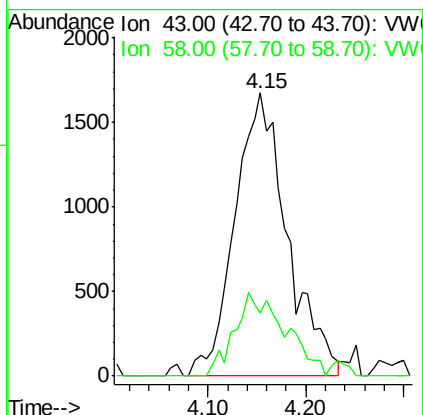
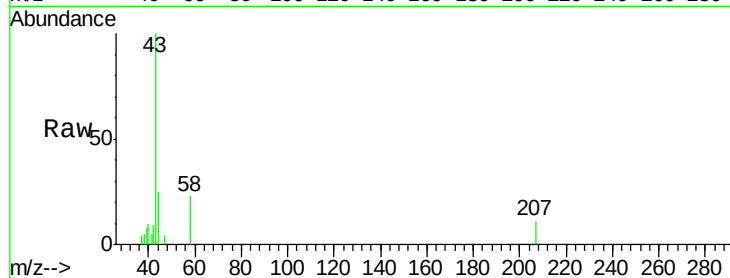
ClientSampleId :

Tot Ion: 43 Resp: 6248

Ion Ratio Lower Upper

43 100

58 22.5 22.6 34.0#



#20

Methylene Chloride

Concen: 8.603 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Tgt Ion: 84 Resp: 17858

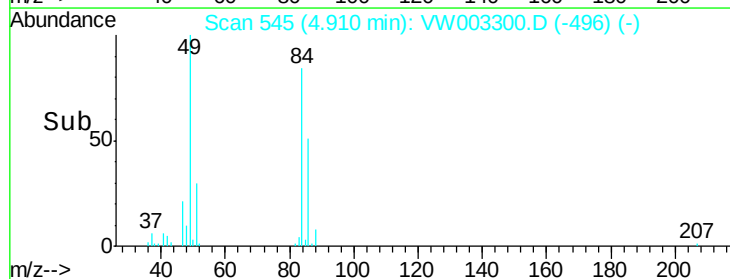
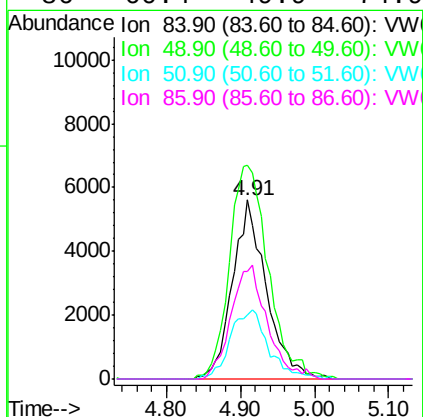
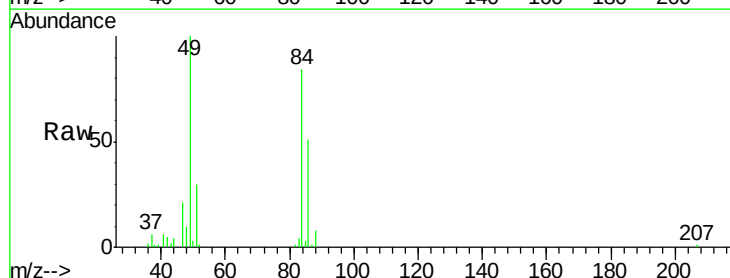
Ion Ratio Lower Upper

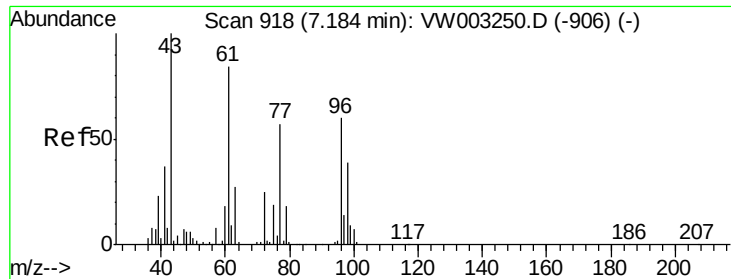
84 100

49 119.5 106.3 159.5

51 36.0 32.0 48.0

86 60.4 49.9 74.9





#25

2-Butanone

Concen: 1.902 ug/l

RT: 7.21 min Scan# 922

Delta R.T. 0.02 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

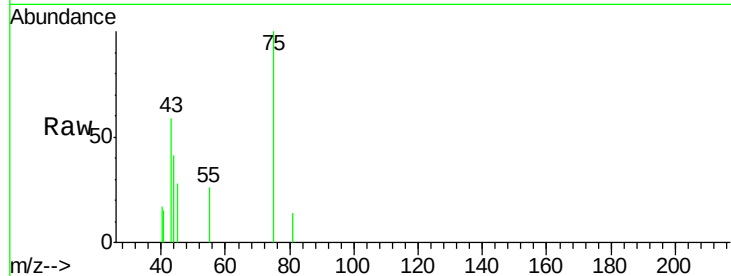
ClientSampled :

Tot Ion: 43 Resp: 854

Ion Ratio Lower Upper

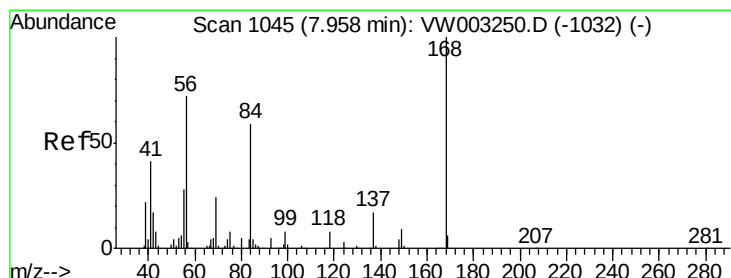
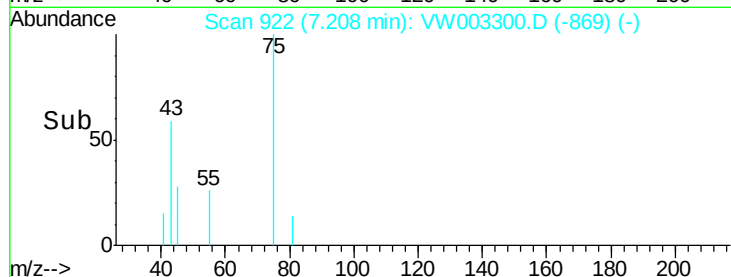
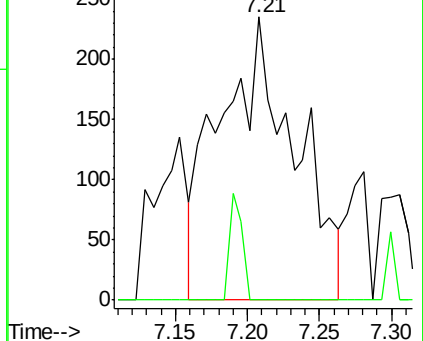
43 100

72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 2.060 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

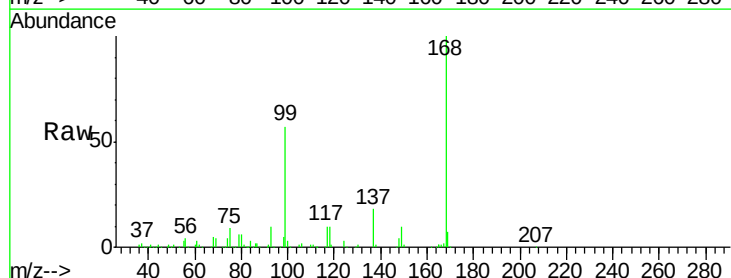
Tgt Ion: 56 Resp: 5732

Ion Ratio Lower Upper

56 100

69 115.2 26.3 39.5#

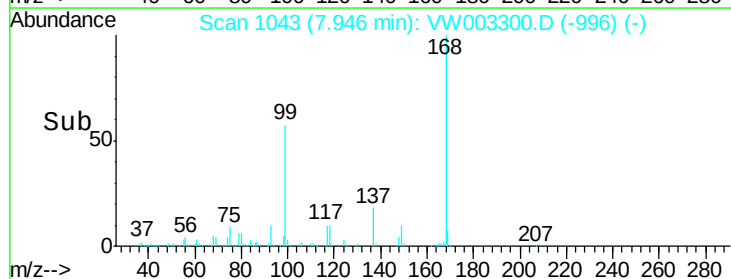
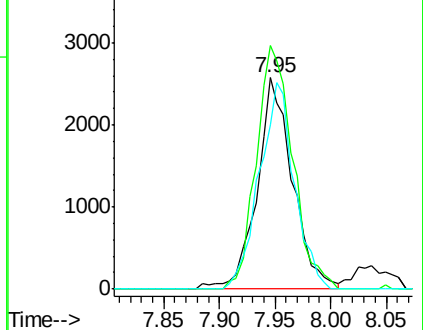
84 77.7 65.7 98.5

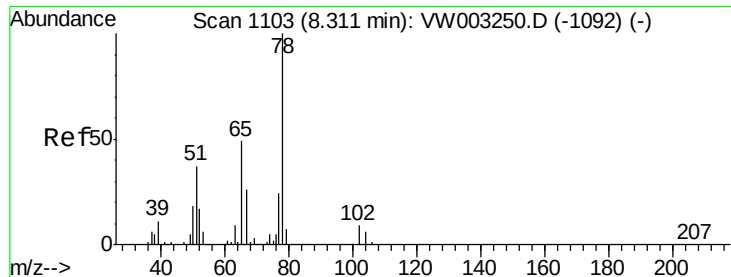


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

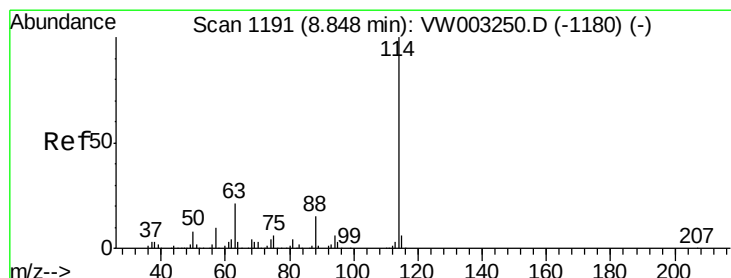
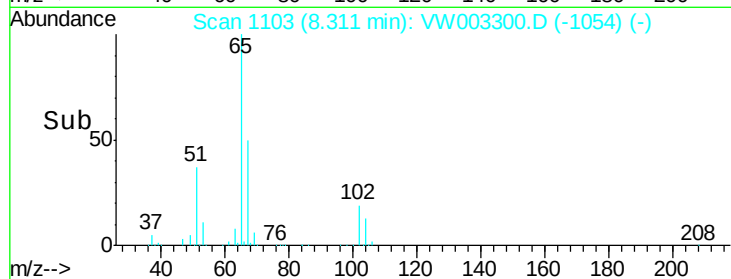
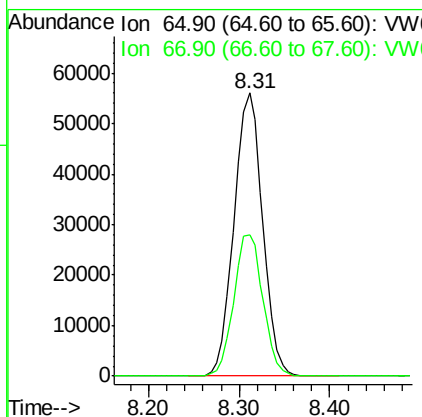
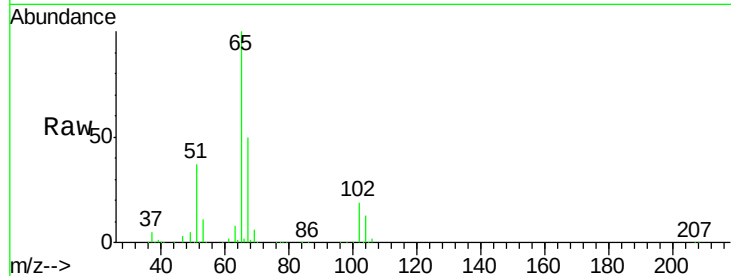




#33
 1,2-Dichloroethane-d4
 Concen: 71.273 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

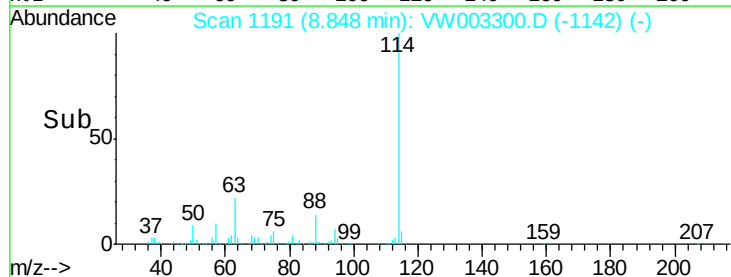
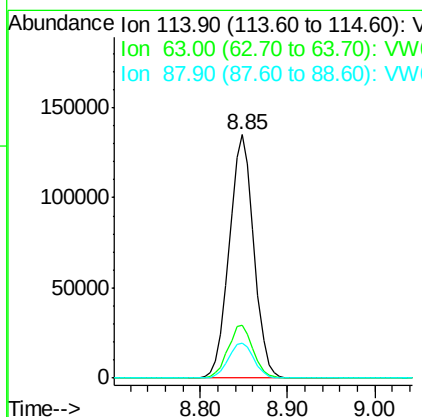
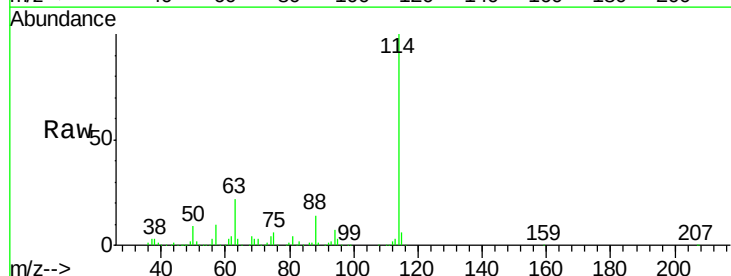
Instrument :
 MSVOA_W
 ClientSampleId :

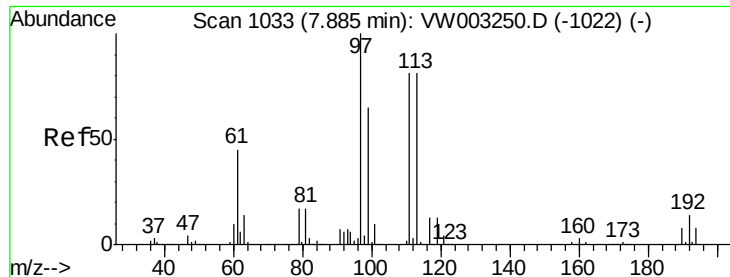
Tot Ion: 65 Resp: 122711
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

Tgt Ion: 114 Resp: 262209
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 14.5 0.0 29.6

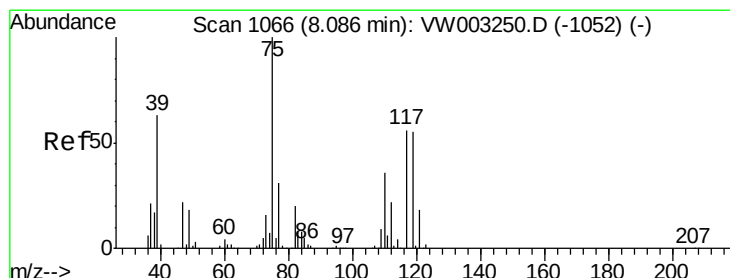
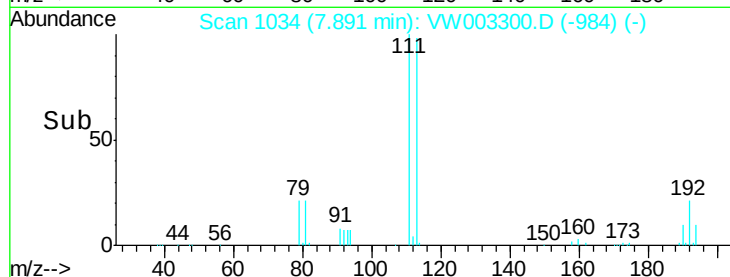
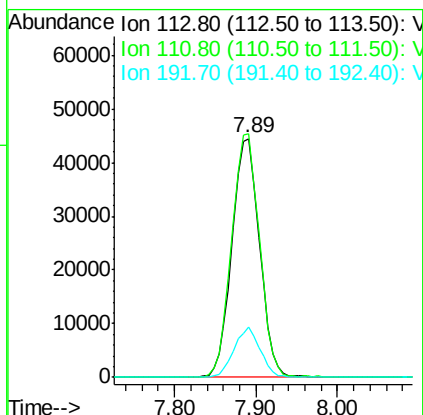
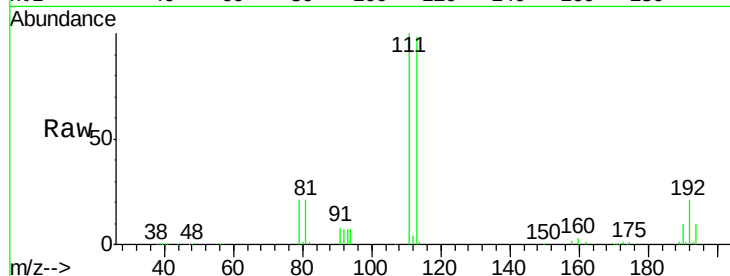




#35
 Dibromofluoromethane
 Concen: 63.768 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

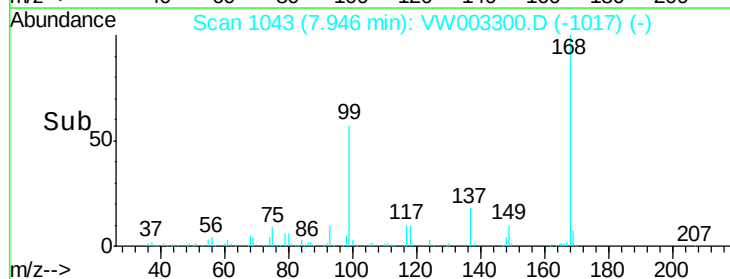
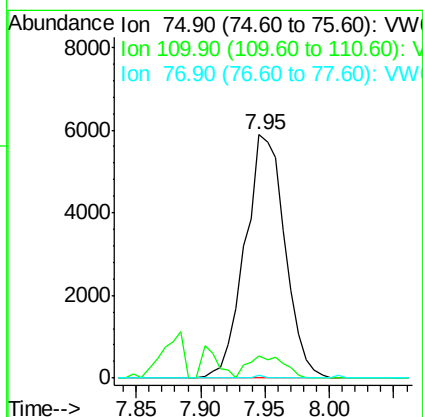
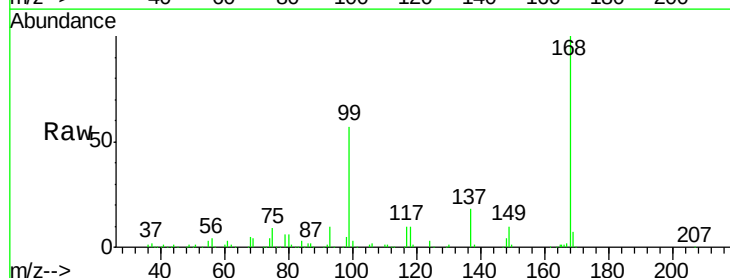
Instrument :
 MSVOA_W
 ClientSampleId :

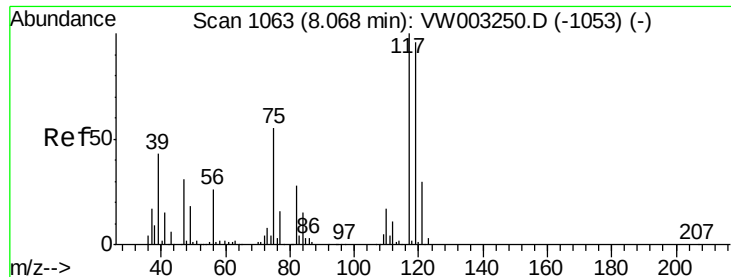
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	19.8	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.1	51.3#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.409 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

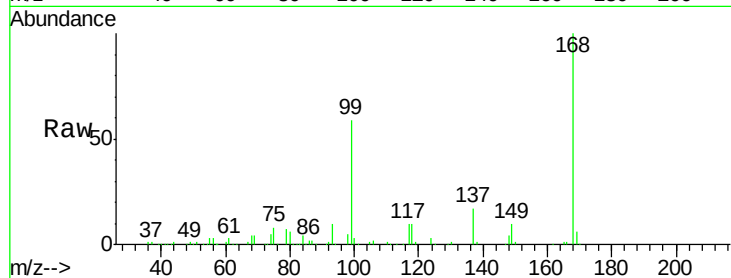
Tot Ion:117 Resp: 15920

Ion Ratio Lower Upper

117 100

119 6.7 76.6 115.0#

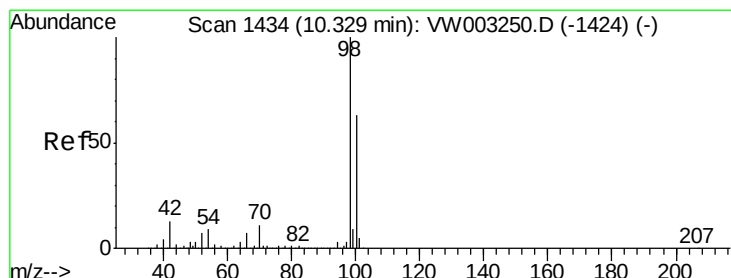
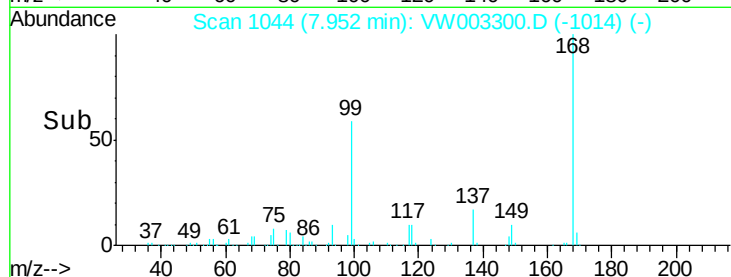
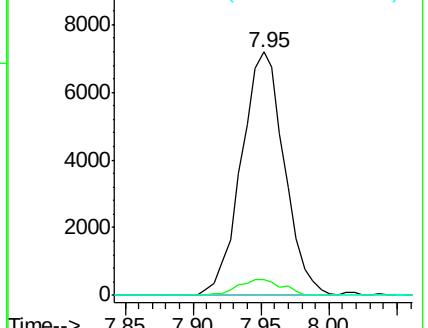
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 52.024 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003300.D

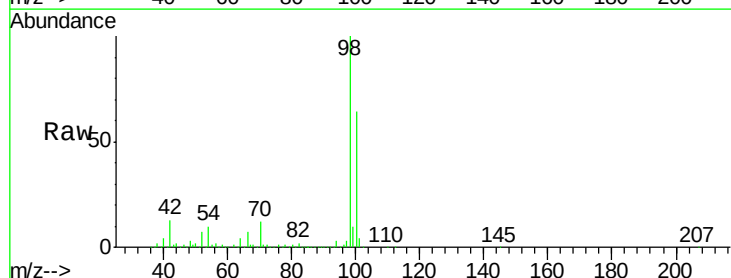
Acq: 15 Jun 2018 18:53

Tgt Ion: 98 Resp: 336098

Ion Ratio Lower Upper

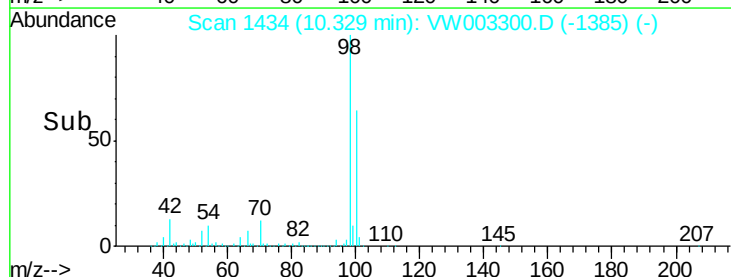
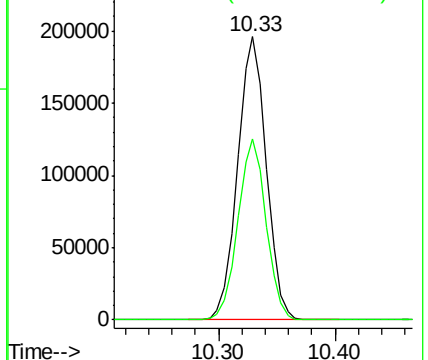
98 100

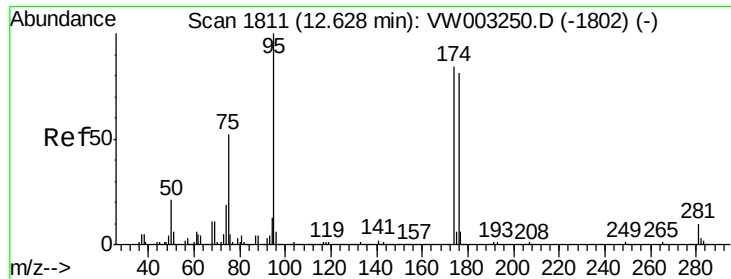
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

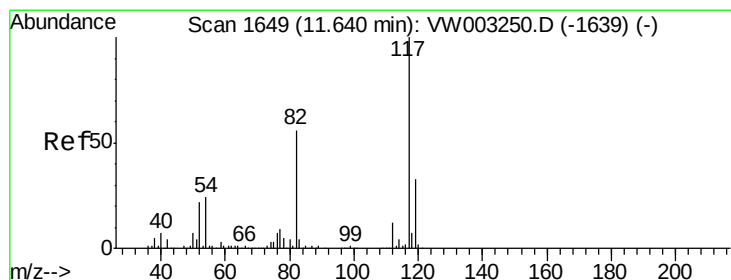
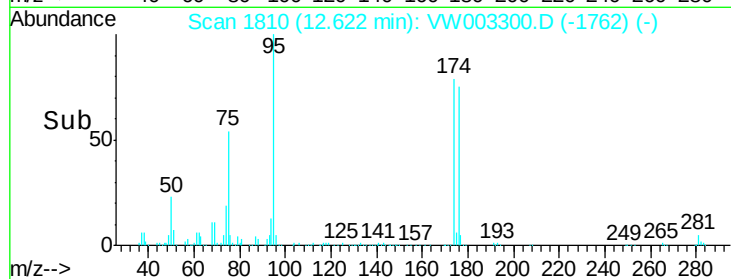
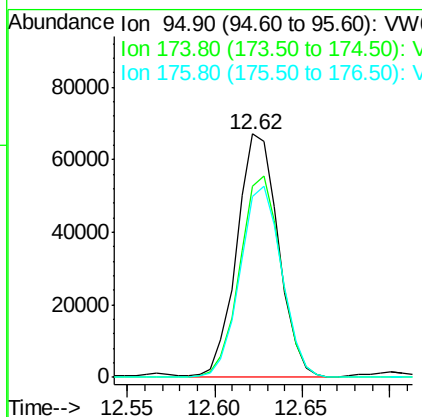
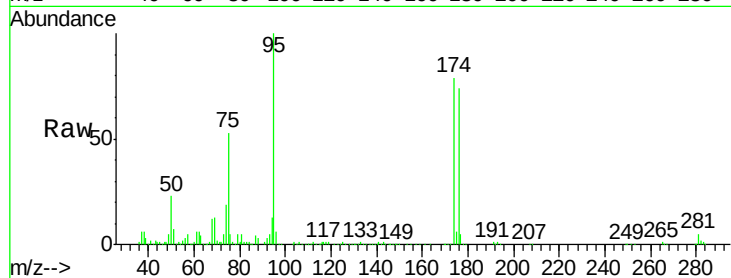




#62
4-Bromofluorobenzene
Concen: 48.023 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003300.D
Acq: 15 Jun 2018 18:53

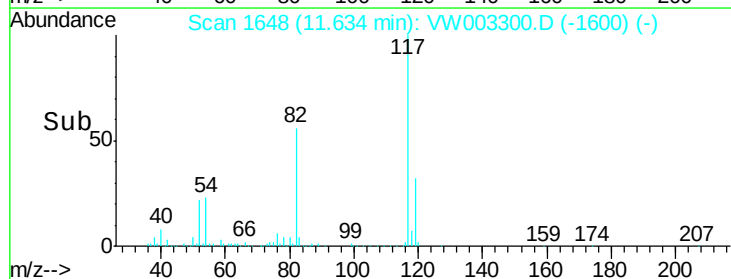
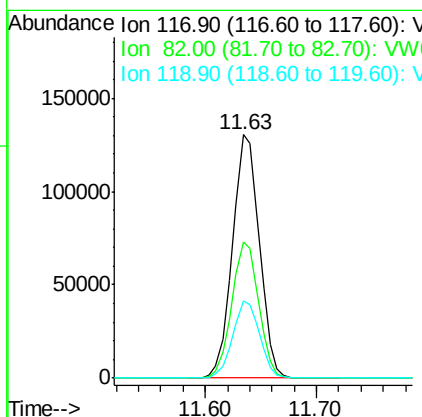
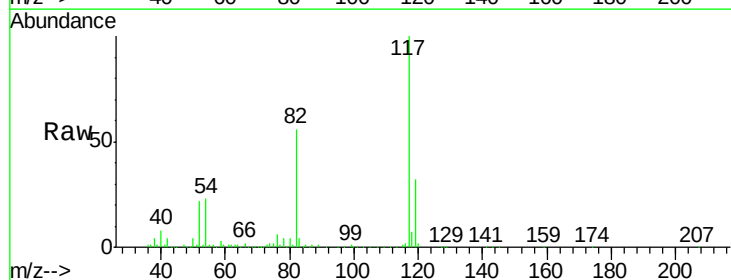
Instrument :
MSVOA_W
ClientSampleId :

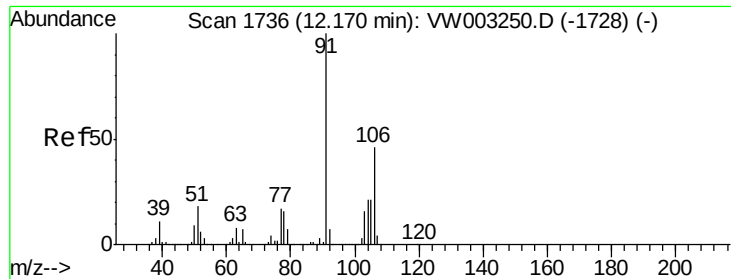
Tot Ion	95	Resp	109796
Ion Ratio	Lower	Upper	
95	100		
174	82.2	0.0	166.4
176	79.4	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003300.D
Acq: 15 Jun 2018 18:53

Tgt Ion	117	Resp	217874
Ion Ratio	Lower	Upper	
117	100		
82	55.7	44.6	67.0
119	31.7	26.7	40.1

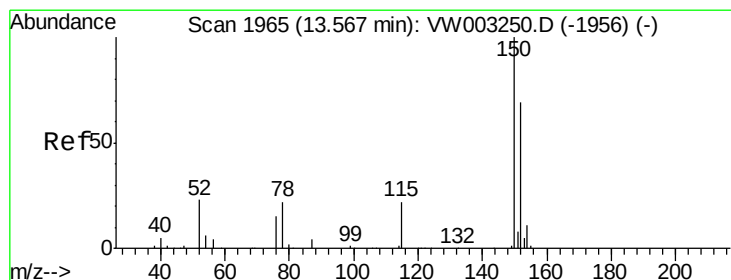
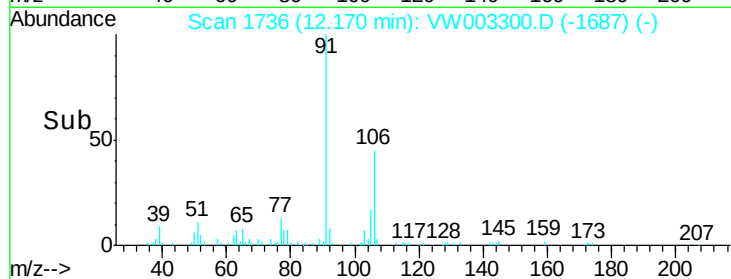
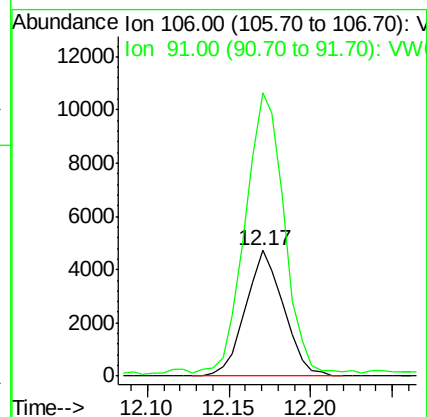
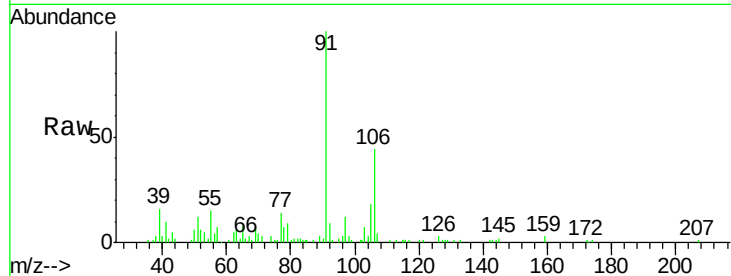




#69
o-Xylene
Concen: 2.713 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003300.D
Acq: 15 Jun 2018 18:53

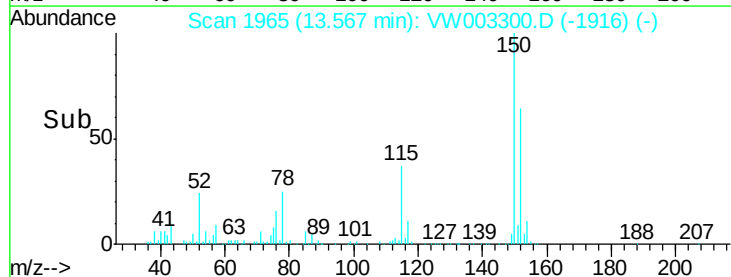
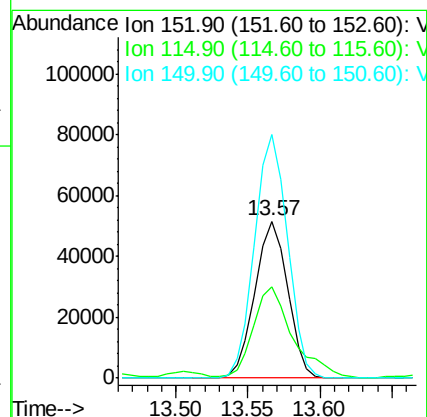
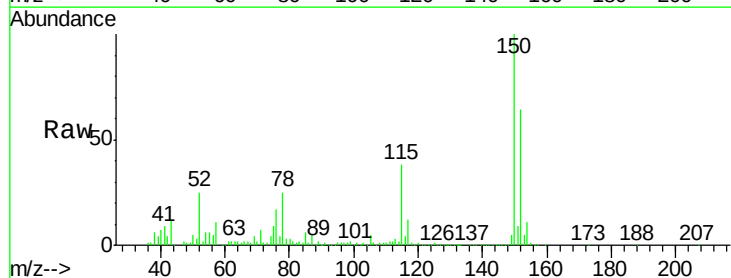
Instrument :
MSVOA_W
ClientSampled :

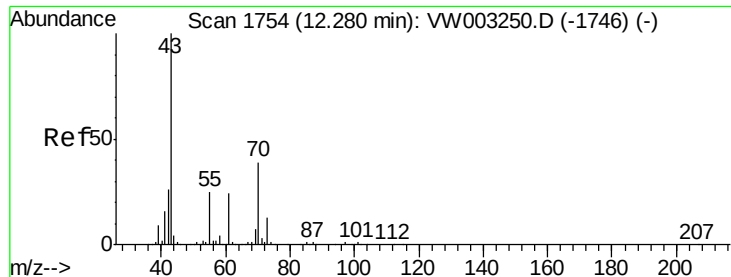
Tot Ion:106 Resp: 7687
Ion Ratio Lower Upper
106 100
91 225.9 108.6 325.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003300.D
Acq: 15 Jun 2018 18:53

Tgt Ion:152 Resp: 81028
Ion Ratio Lower Upper
152 100
115 69.3 29.3 88.0
150 156.4 0.0 349.6





#74

N-amvl acetate

Concen: 3.041 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 3901

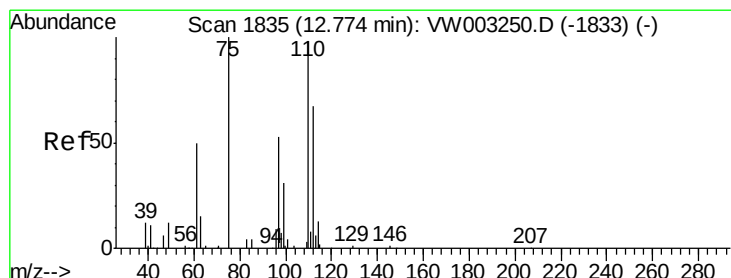
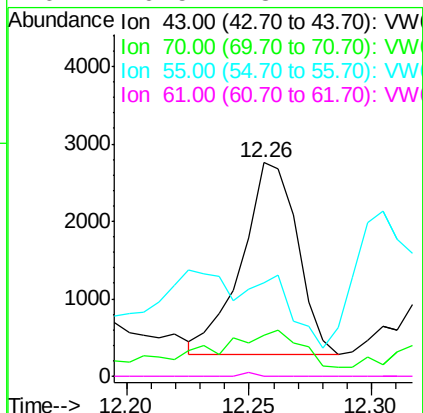
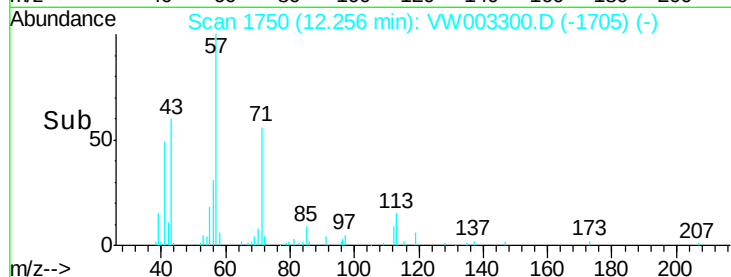
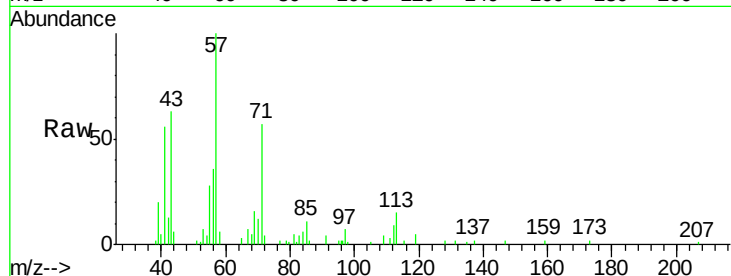
Ion Ratio Lower Upper

43 100

70 29.8 31.0 46.6#

55 0.0 19.7 29.5#

61 0.5 18.1 27.1#



#76

1,2,3-Trichloropropane

Concen: 86.446 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003300.D

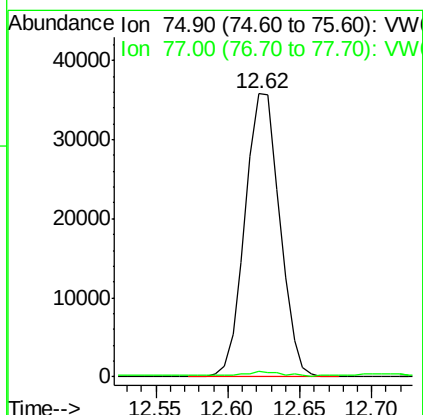
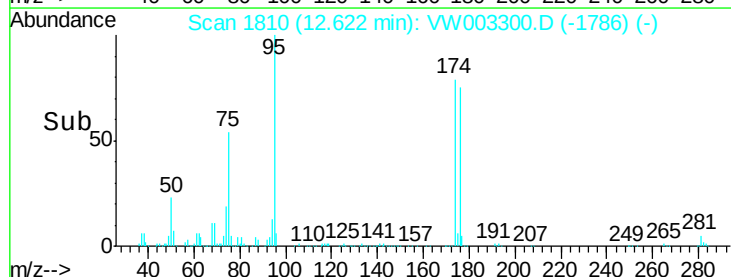
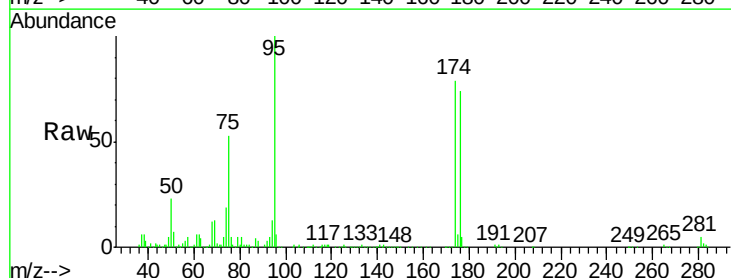
Acq: 15 Jun 2018 18:53

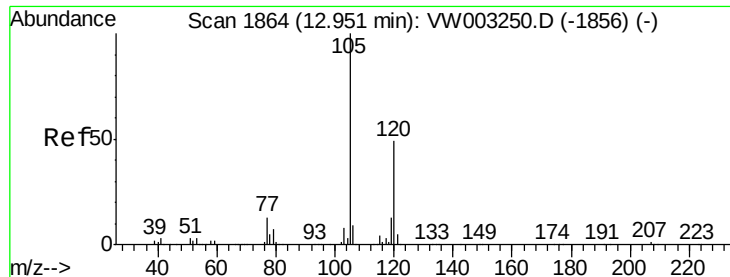
Tgt Ion: 75 Resp: 59881

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

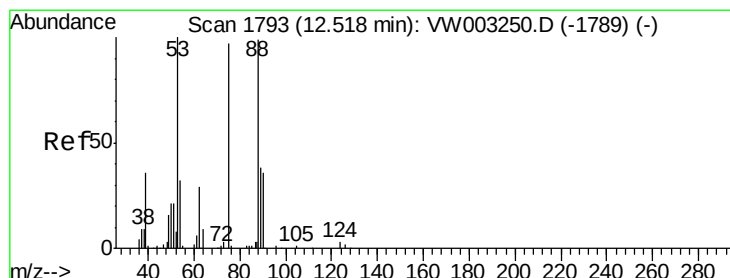
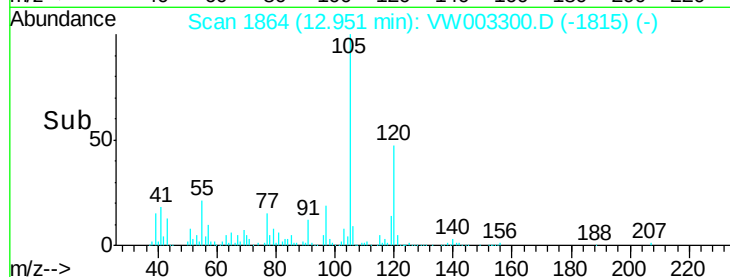
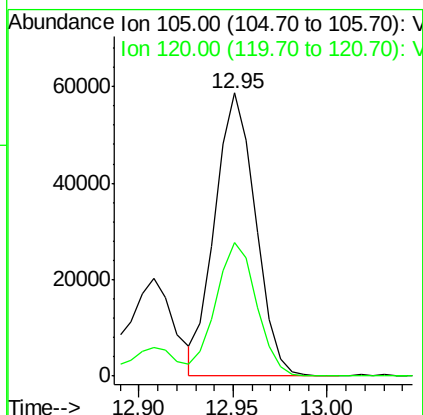
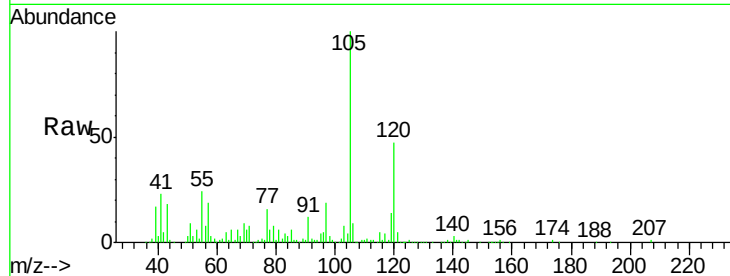




#80
 1,3,5-Trimethylbenzene
 Concen: 18.409 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

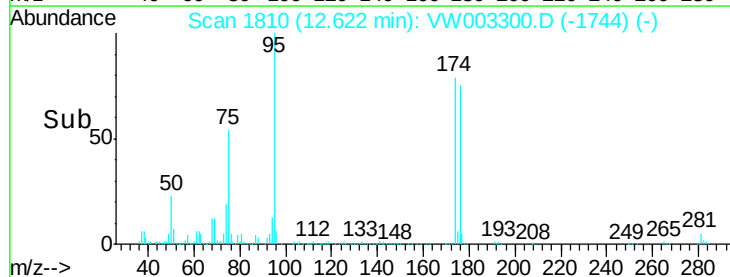
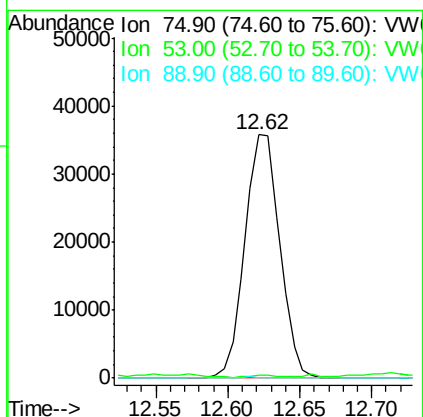
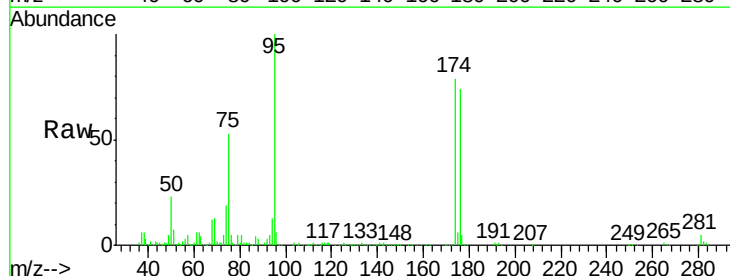
Instrument :
 MSVOA_W
 ClientSampleId :

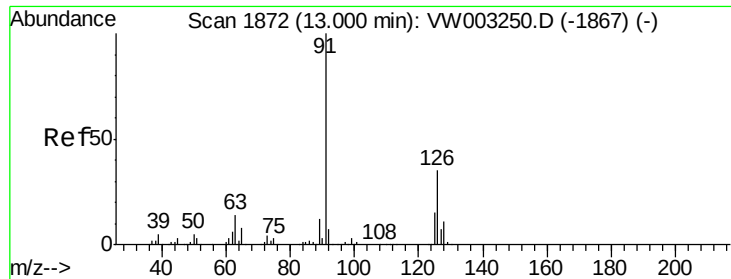
Tot Ion:105 Resp: 87087
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 198.918 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

Tgt Ion: 75 Resp: 59881
 Ion Ratio Lower Upper
 75 100
 53 0.6 82.9 124.3#
 89 0.2 36.7 55.1#





#82

4-Chlorotoluene

Concen: 2.481 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

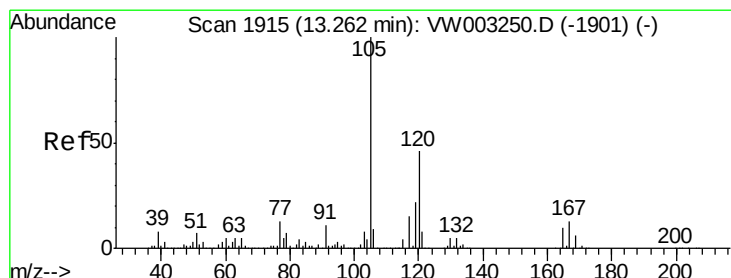
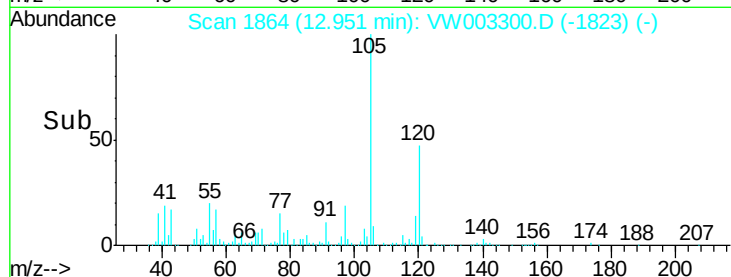
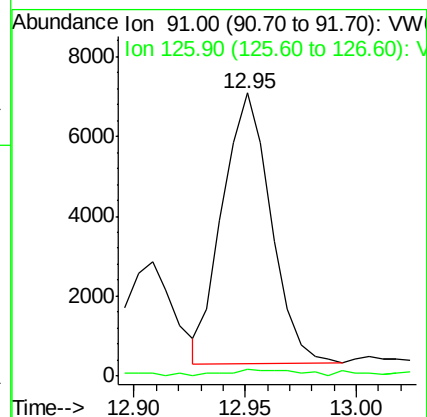
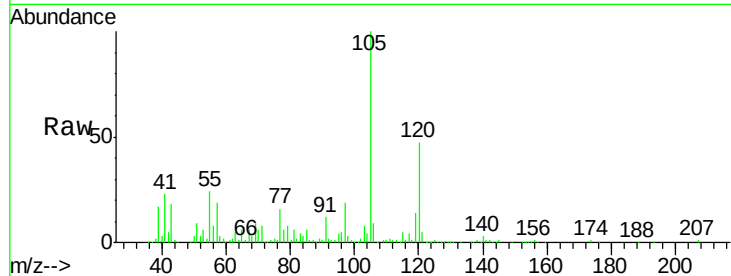
ClientSampled :

Tot Ion: 91 Resp: 10265

Ion Ratio Lower Upper

91 100

126 3.6 16.8 50.3#



#84

1,2,4-Trimethylbenzene

Concen: 5.834 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW003300.D

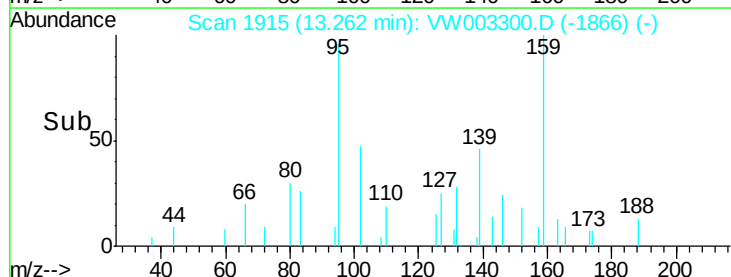
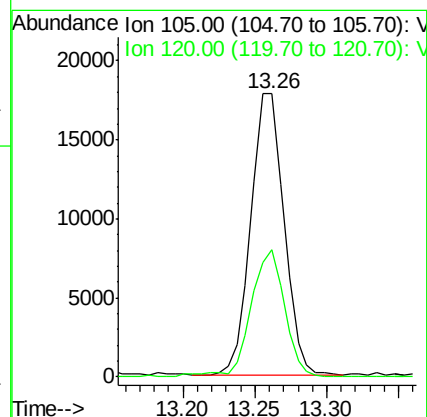
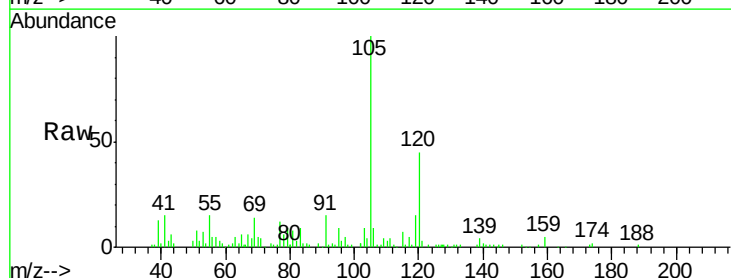
Acq: 15 Jun 2018 18:53

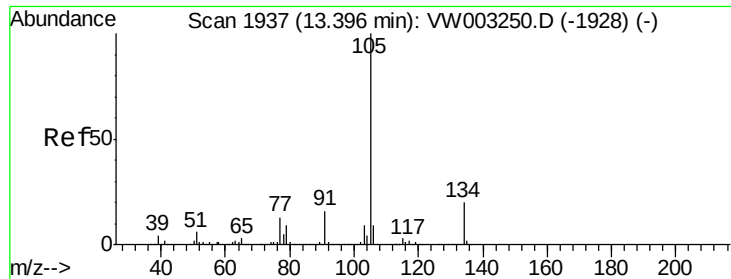
Tgt Ion:105 Resp: 28389

Ion Ratio Lower Upper

105 100

120 46.1 22.5 67.5

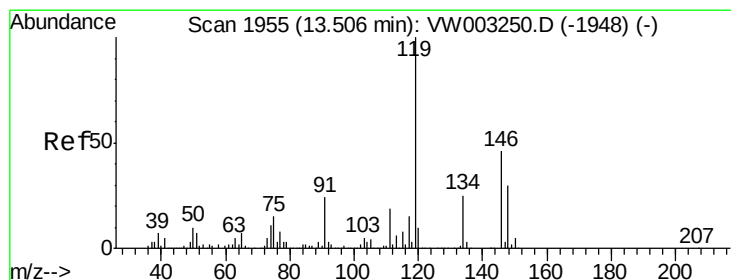
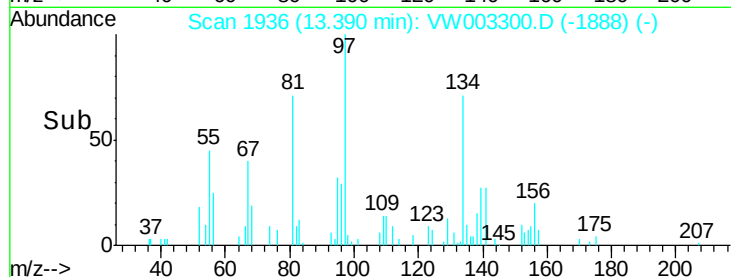
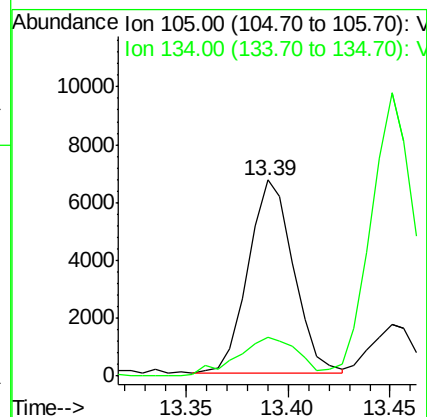
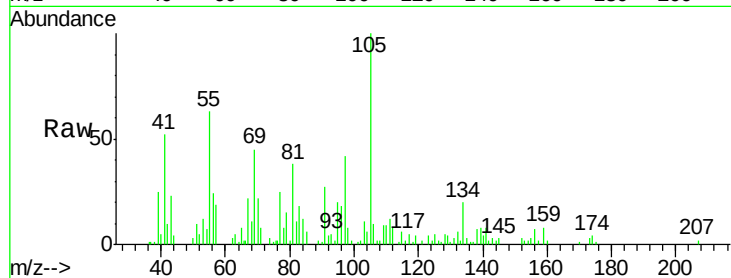




#85
 sec-Butylbenzene
 Concen: 1.719 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

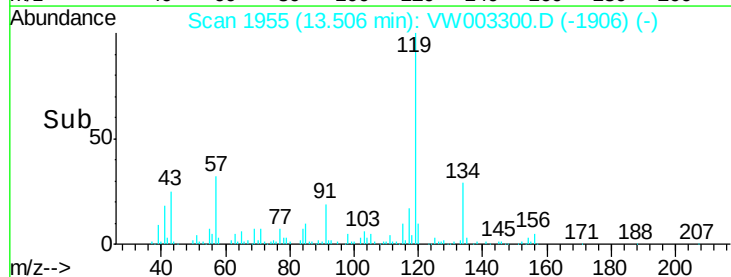
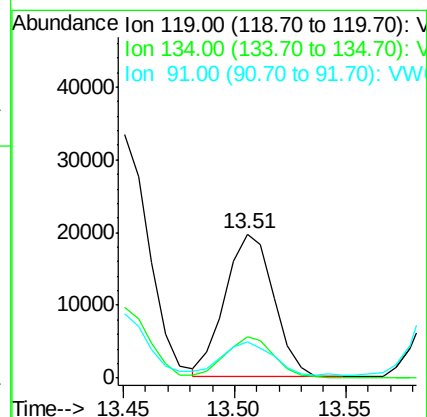
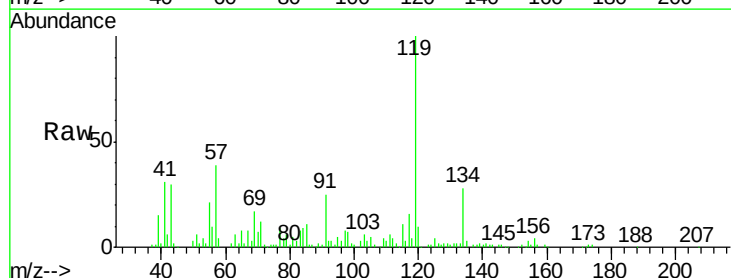
Instrument :
 MSVOA_W
 ClientSampled :

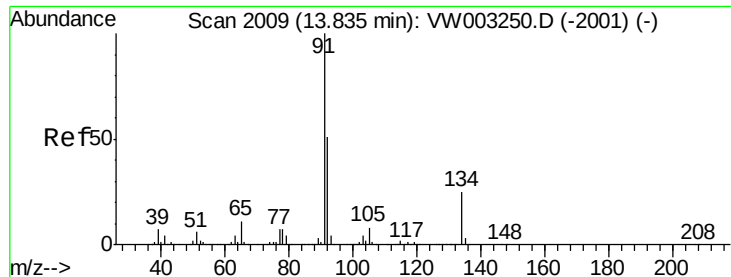
Tot Ion:105 Resp: 10299
 Ion Ratio Lower Upper
 105 100
 134 26.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 5.651 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003300.D
 Acq: 15 Jun 2018 18:53

Tgt Ion:119 Resp: 29869
 Ion Ratio Lower Upper
 119 100
 134 29.1 12.9 38.7
 91 25.1 11.8 35.3

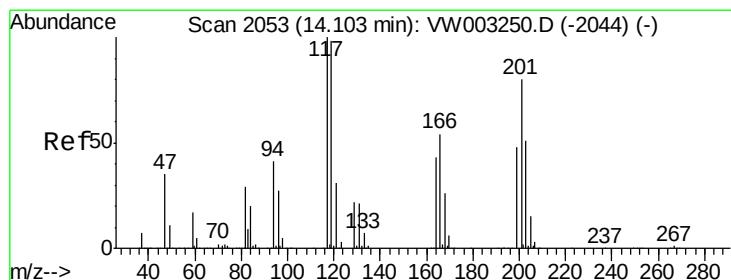
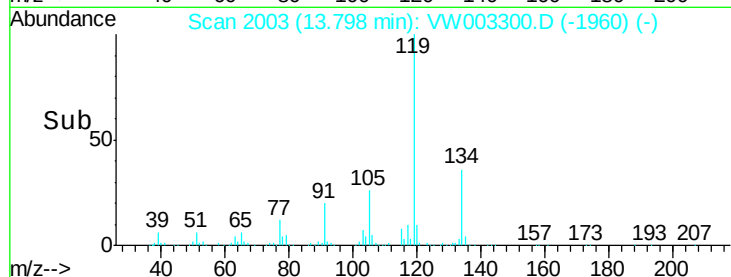
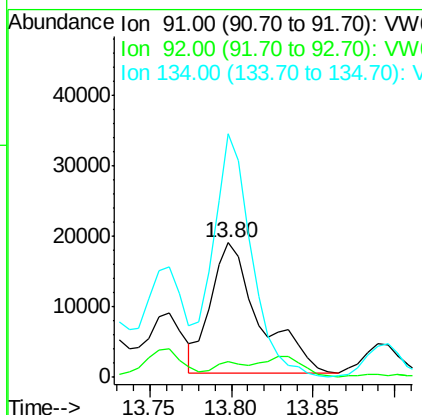
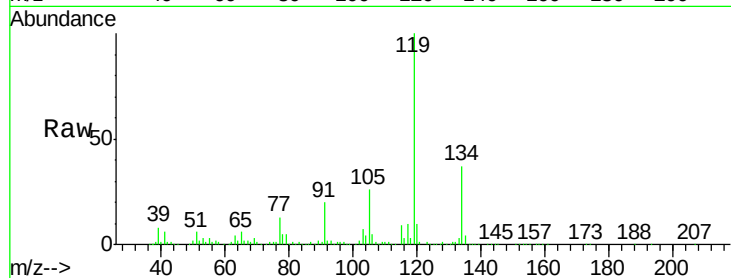




#89
n-Butylbenzene
Concen: 7.503 ug/l
RT: 13.80 min Scan# 2003
Delta R.T. -0.04 min
Lab File: VW003300.D
Acq: 15 Jun 2018 18:53

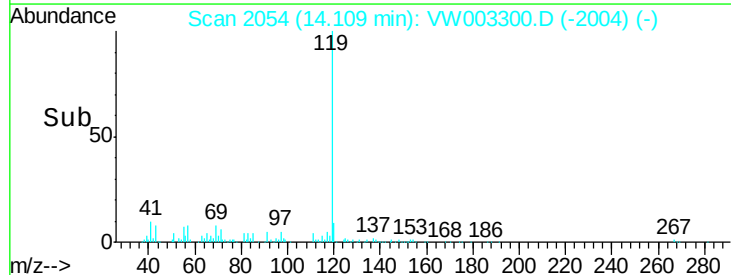
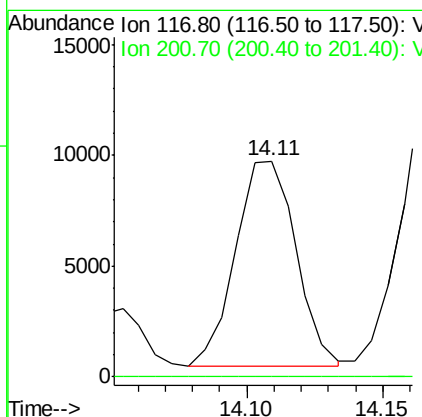
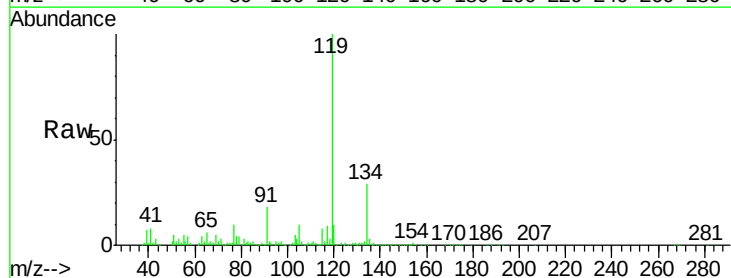
Instrument :
MSVOA_W
ClientSampled :

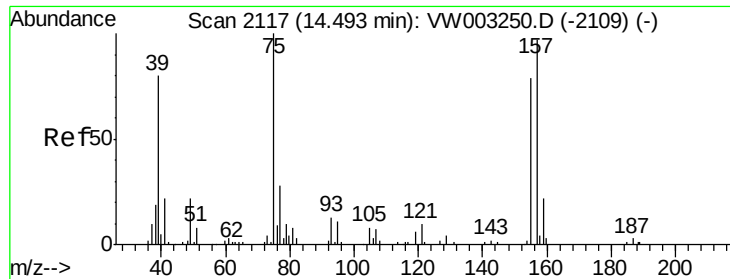
Tot Ion: 91 Resp: 38654
Ion Ratio Lower Upper
91 100
92 7.6 26.0 78.0#
134 148.7 12.7 38.0#



#90
Hexachloroethane
Concen: 14.864 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW003300.D
Acq: 15 Jun 2018 18:53

Tgt Ion: 117 Resp: 14211
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.269 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Instrument :

MSVOA_W

ClientSampled :

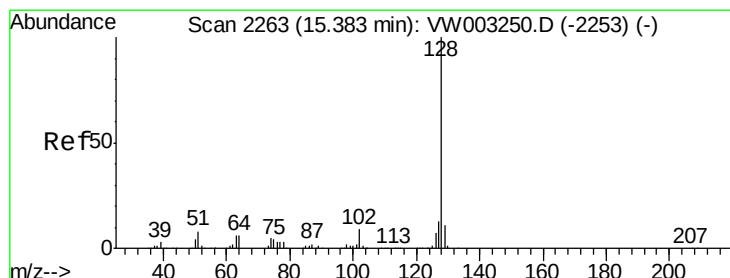
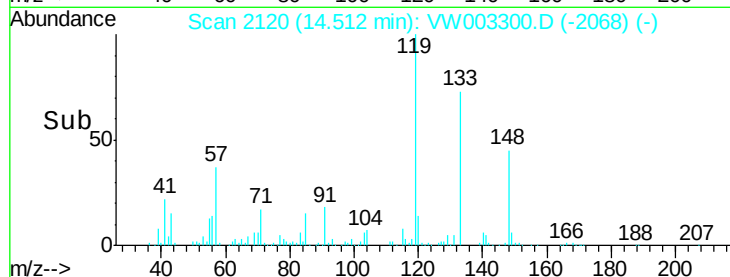
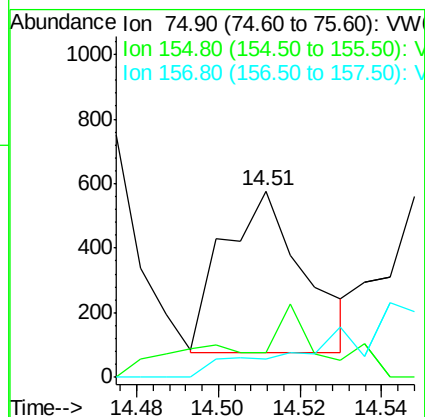
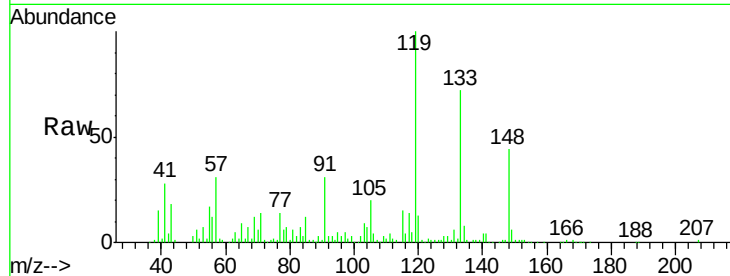
Tot Ion: 75 Resp: 685

Ion Ratio Lower Upper

75 100

155 49.2 39.4 118.2

157 0.0 51.5 154.5#



#95

Naphthalene

Concen: 1.711 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003300.D

Acq: 15 Jun 2018 18:53

Tgt Ion: 128 Resp: 4811

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

129 0.0 8.9 13.3#

