

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003910.D
 Acq On : 12 Jul 2018 20:59
 Operator : SY/AP
 Sample : J3947-05
 Misc : 3.89G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:56:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	138350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	221710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54467	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	95692	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	7.88	113	86096	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	
50) Toluene-d8	10.33	98	296479	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	74442	34.66	ug/l	0.00
Spiked Amount			Recovery	=	69.32%	

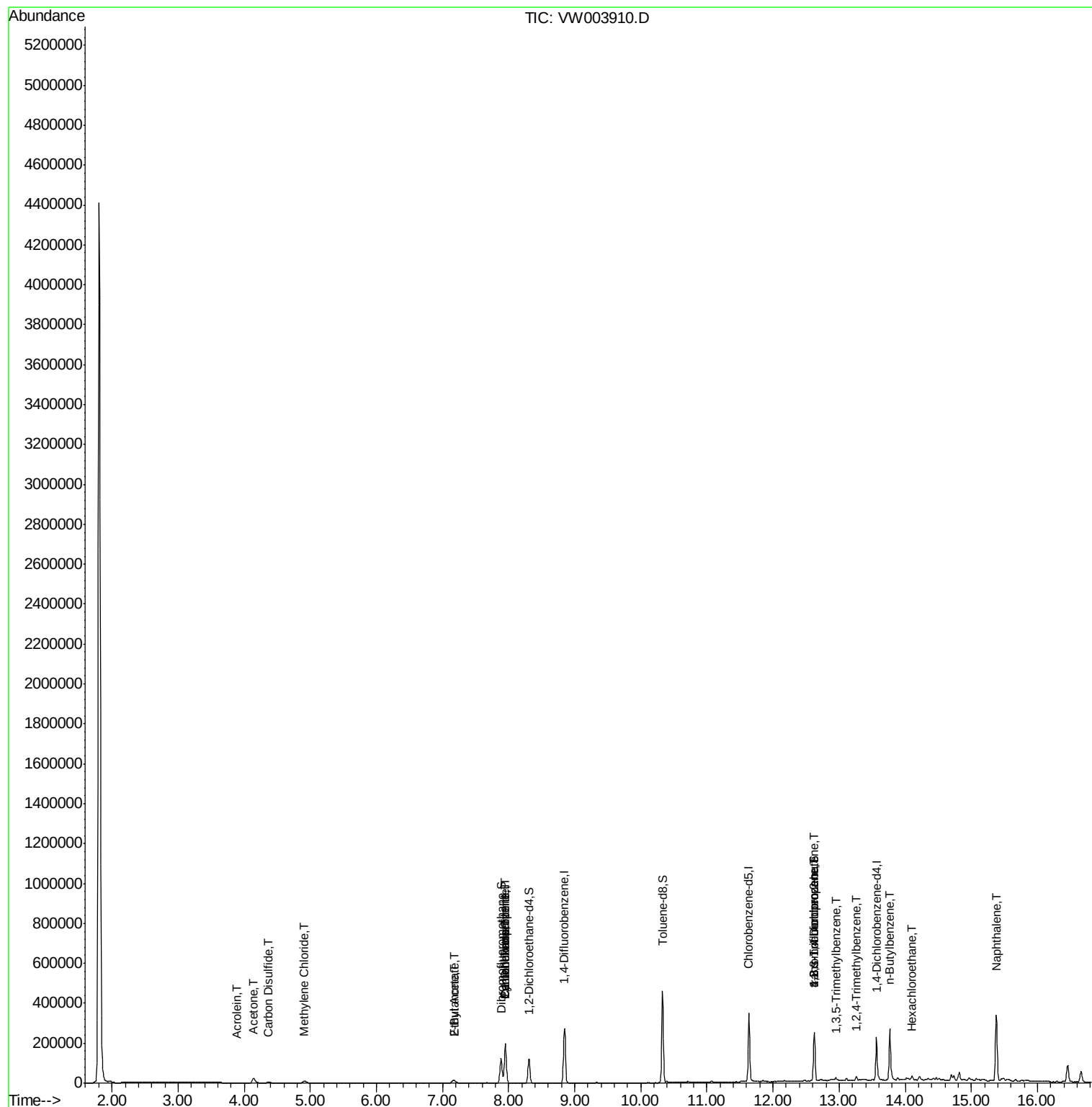
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.89	56	155	5.674	ug/l	84
16) Acetone	4.15	43	45969	146.446	ug/l	97
17) Carbon Disulfide	4.37	76	12858	3.018	ug/l	98
20) Methylene Chloride	4.92	84	9341	1.887	ug/l	91
25) 2-Butanone	7.19	43	13067	26.578	ug/l	92
31) Cyclohexane	7.95	56	3957	1.499	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	11745	4.993	ug/l #	50
37) Ethyl Acetate	7.19	43	13067	11.416	ug/l #	71
38) Carbon Tetrachloride	7.95	117	14417	6.446	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	39238	73.362	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	3475	1.093	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	39238	179.460	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	10443	3.162	ug/l	99
89) n-Butylbenzene	13.77	91	23117	6.857	ug/l #	45
90) Hexachloroethane	14.10	117	1135	1.719	ug/l #	10
95) Naphthalene	15.38	128	271022	134.157	ug/l	99

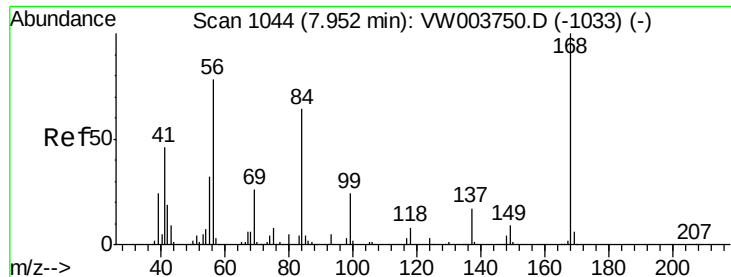
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

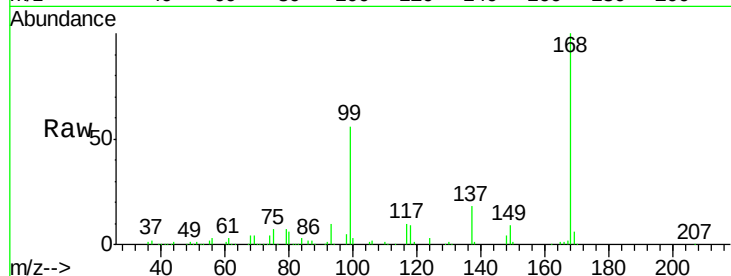
ClientSampleId :

Tot Ion:168 Resp: 138350

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

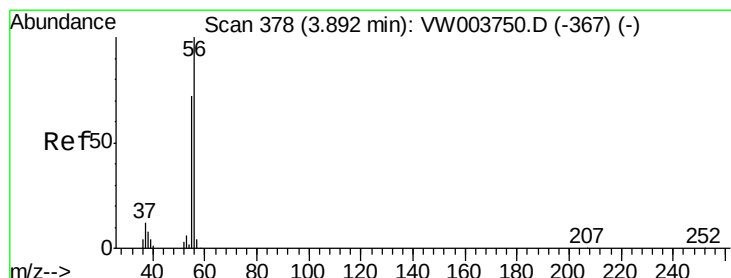
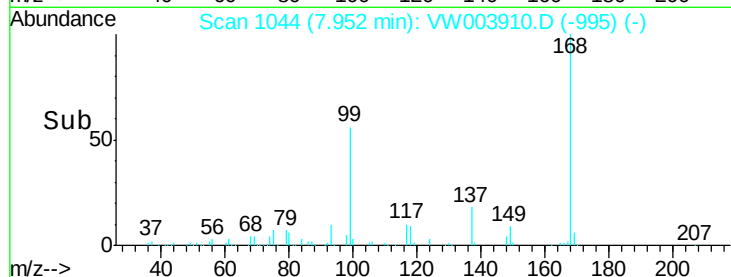
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 5.674 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003910.D

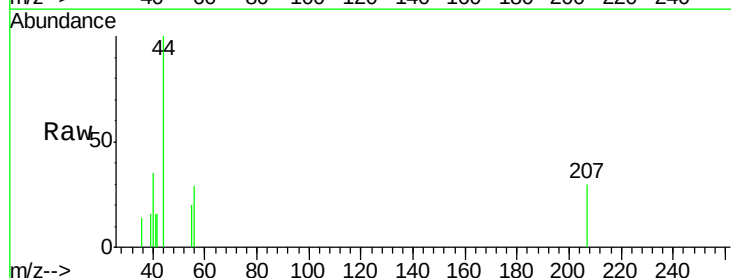
Acq: 12 Jul 2018 20:59

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 58.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

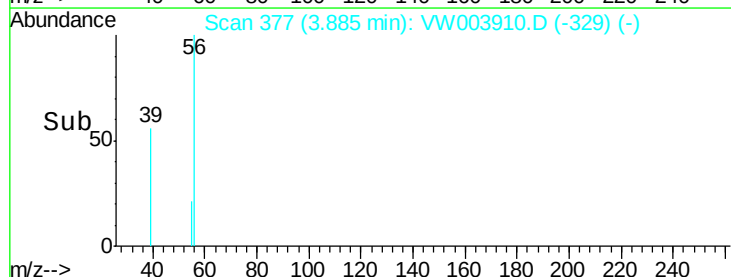
150

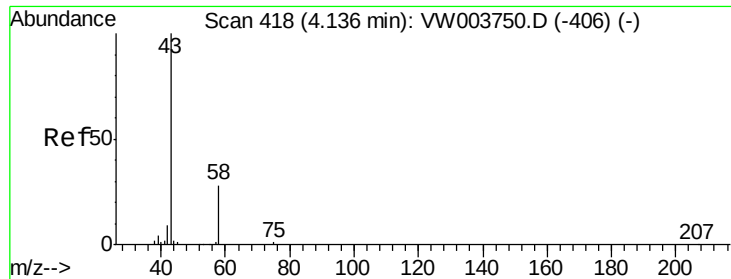
100

50

0

Time-->

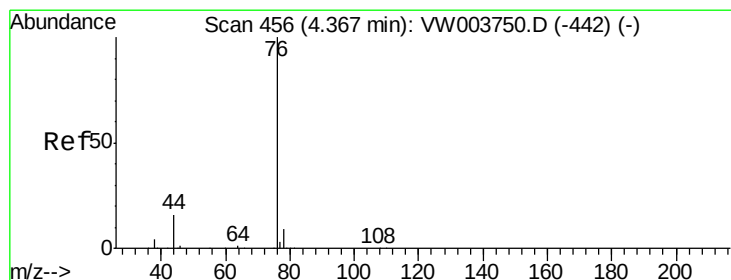
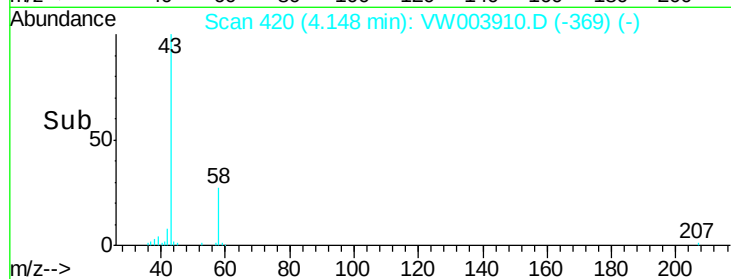
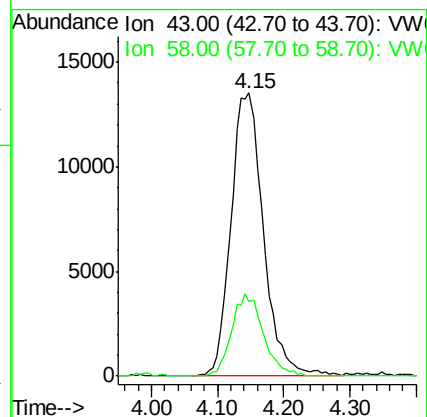
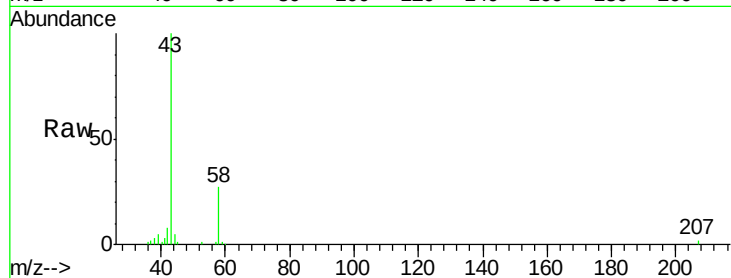




#16
Acetone
Concen: 146.446 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.01 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

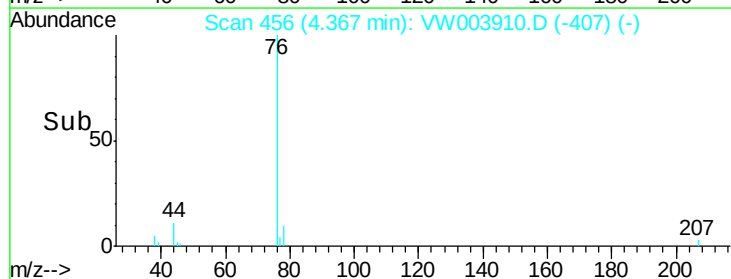
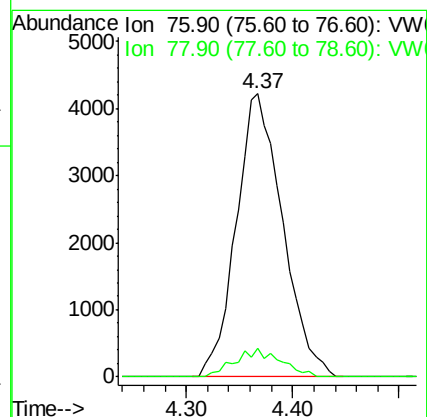
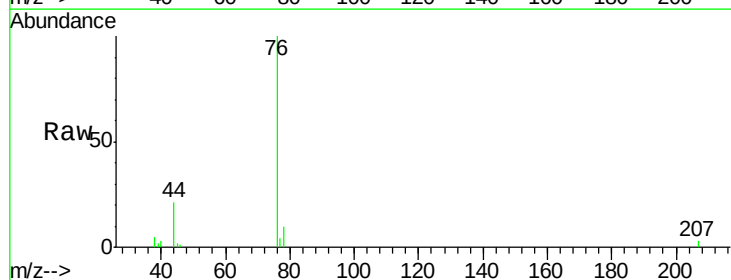
Instrument :
MSVOA_W
ClientSampled :

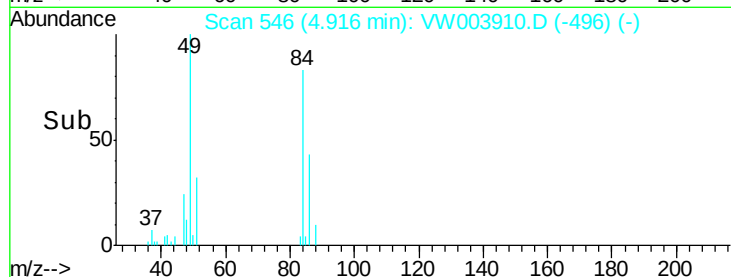
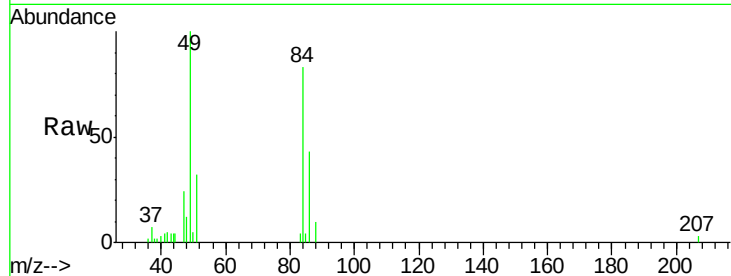
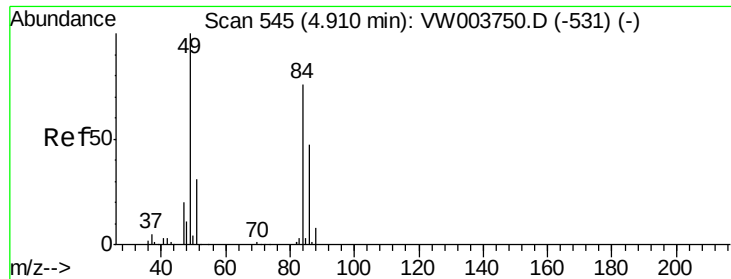
Tot Ion: 43 Resp: 45969
Ion Ratio Lower Upper
43 100
58 26.5 22.6 34.0



#17
Carbon Disulfide
Concen: 3.018 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

Tgt Ion: 76 Resp: 12858
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.2

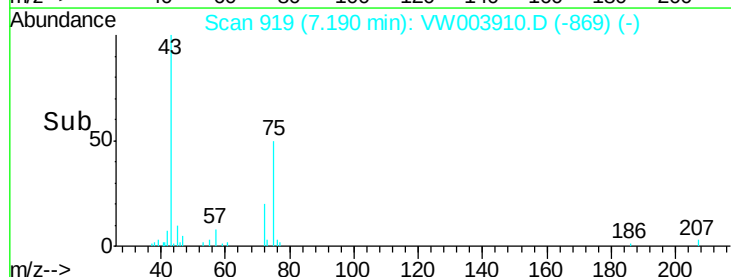
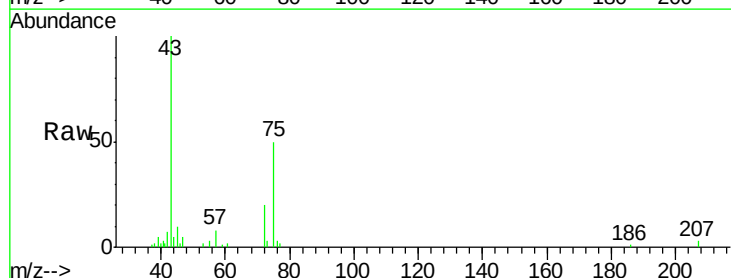
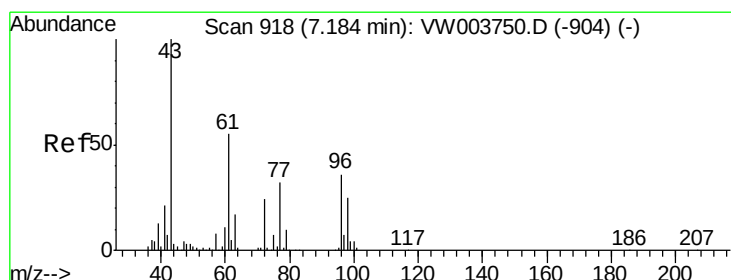
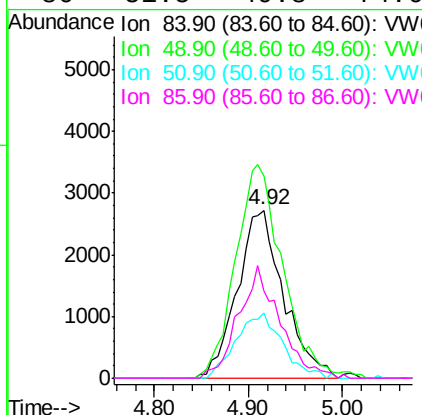




#20
Methylene Chloride
Concen: 1.887 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

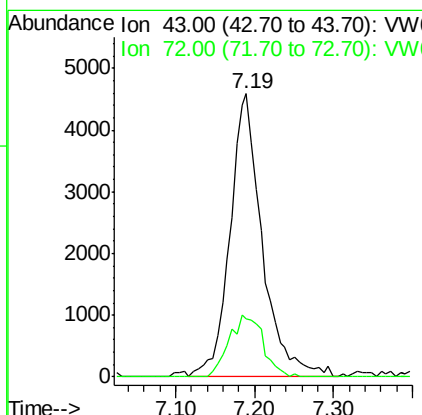
Instrument :
MSVOA_W
ClientSampled :

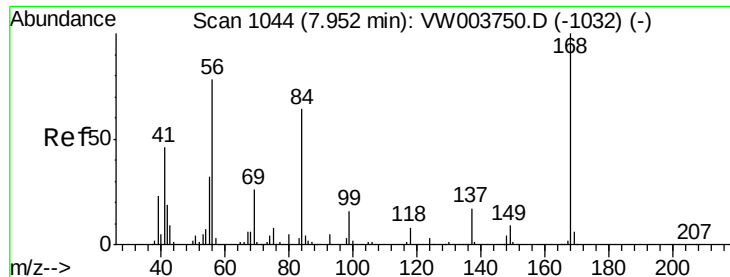
Tot Ion: 84 Resp: 9341
Ion Ratio Lower Upper
84 100
49 120.6 105.1 157.7
51 38.8 32.5 48.7
86 51.5 49.8 74.6



#25
2-Butanone
Concen: 26.578 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

Tgt Ion: 43 Resp: 13067
Ion Ratio Lower Upper
43 100
72 20.4 19.4 29.2

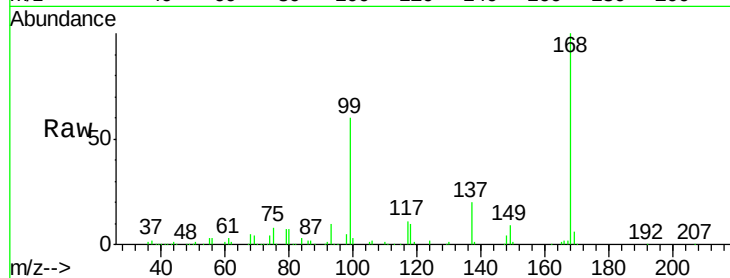




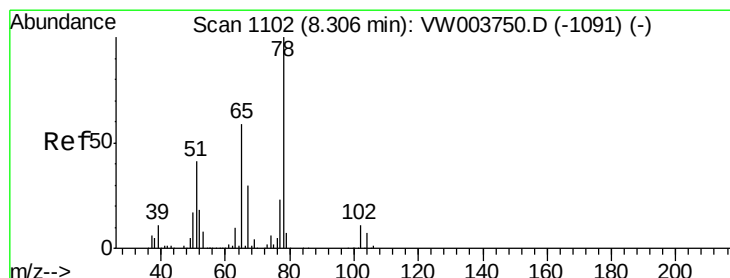
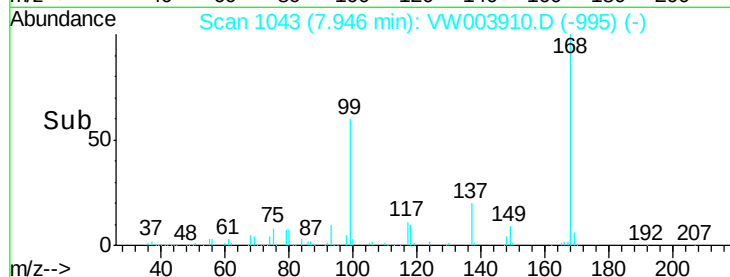
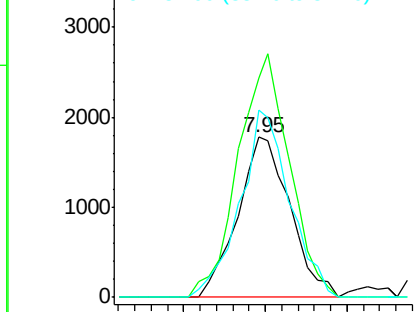
#31
Cyclohexane
Concen: 1.499 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 3957
Ion Ratio Lower Upper
56 100
69 136.9 26.2 39.4#
84 117.2 65.5 98.3#

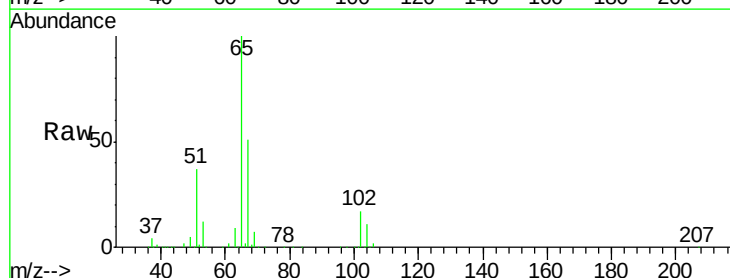


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

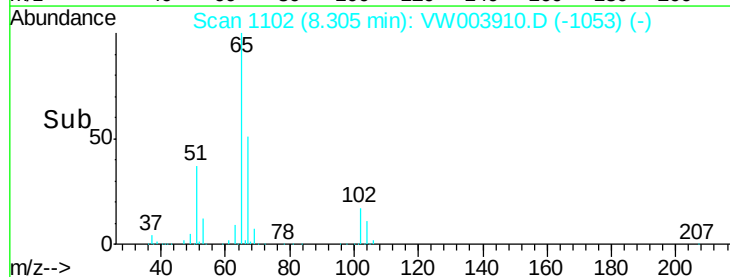
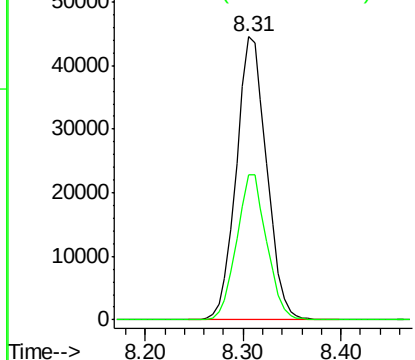


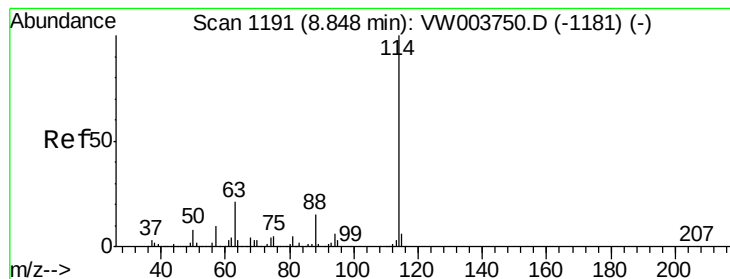
#33
1,2-Dichloroethane-d4
Concen: 52.891 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

Tgt Ion: 65 Resp: 95692
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

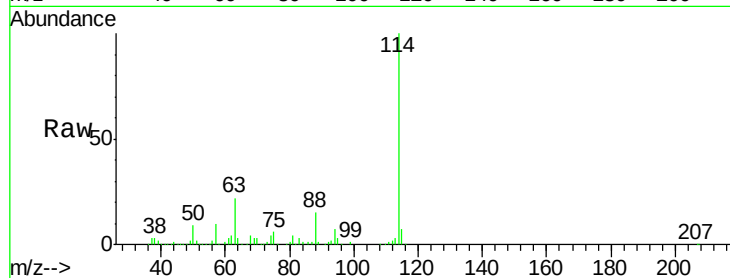
Tot Ion:114 Resp: 221710

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

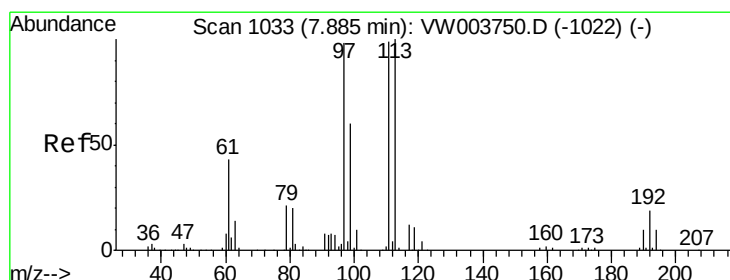
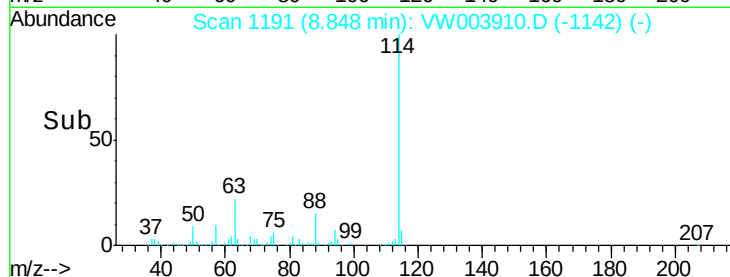
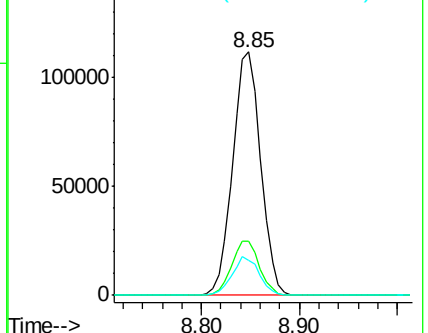
88 14.6 0.0 30.2



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: 55.484 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

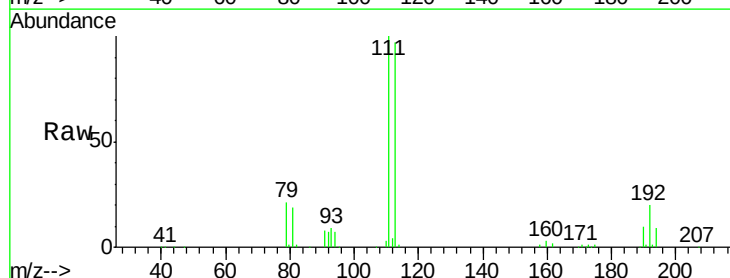
Tgt Ion:113 Resp: 86096

Ion Ratio Lower Upper

113 100

111 100.9 81.7 122.5

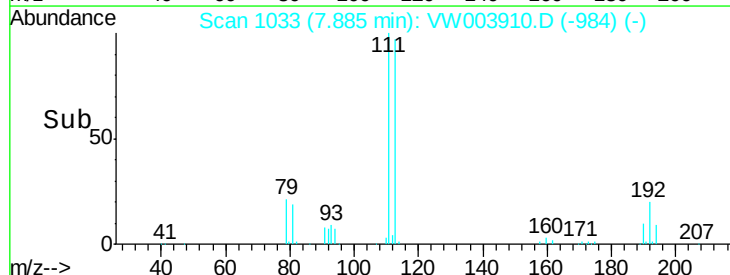
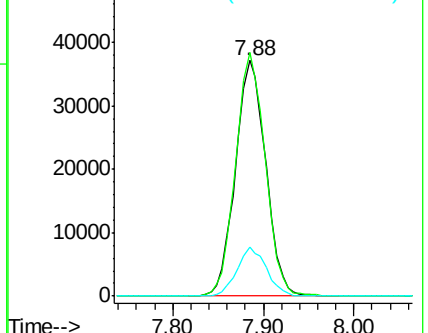
192 20.1 15.8 23.8

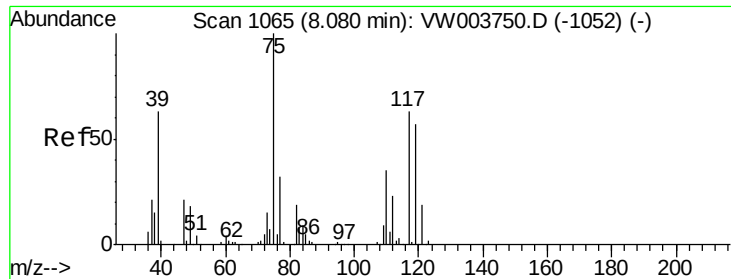


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

ClientSampled :

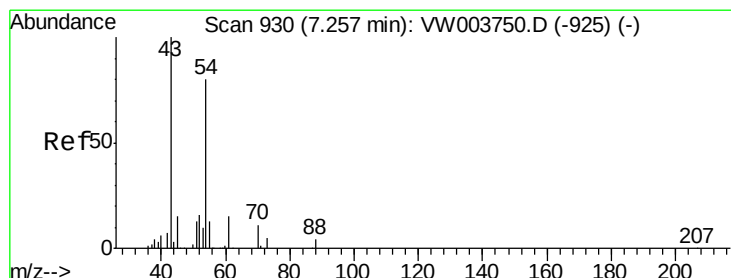
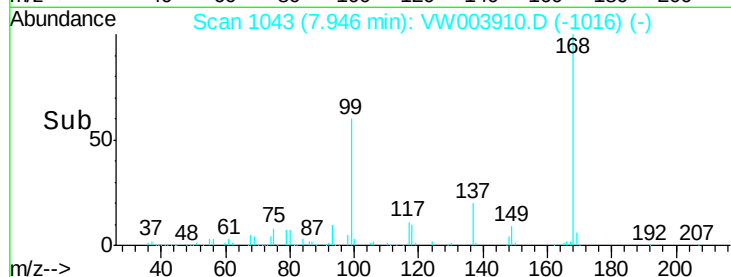
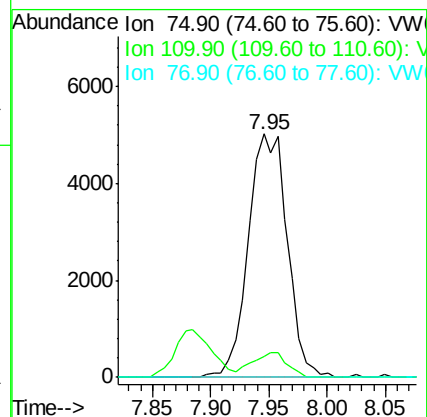
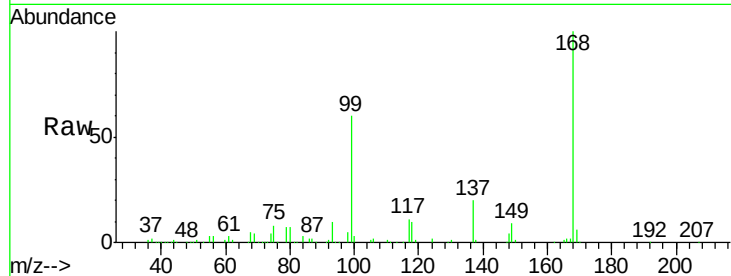
Tot Ion: 75 Resp: 11745

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 11.416 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

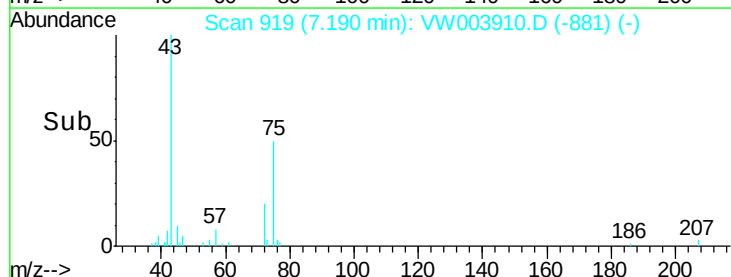
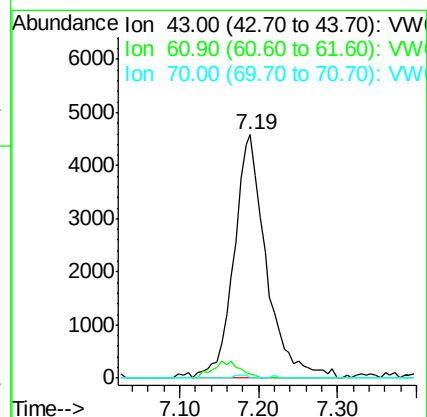
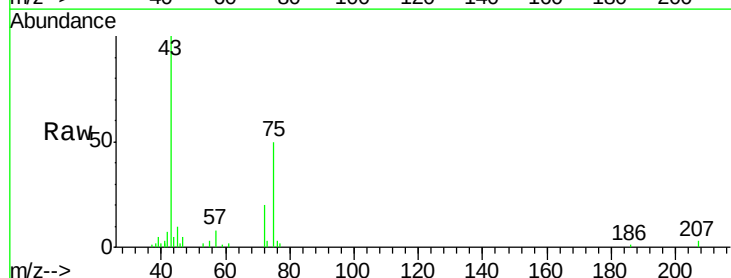
Tgt Ion: 43 Resp: 13067

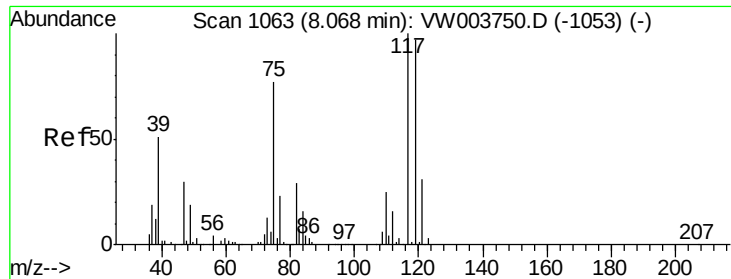
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.5 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 6.446 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

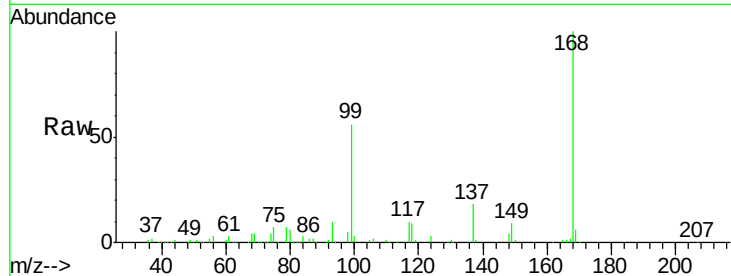
Tot Ion:117 Resp: 14417

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.2#

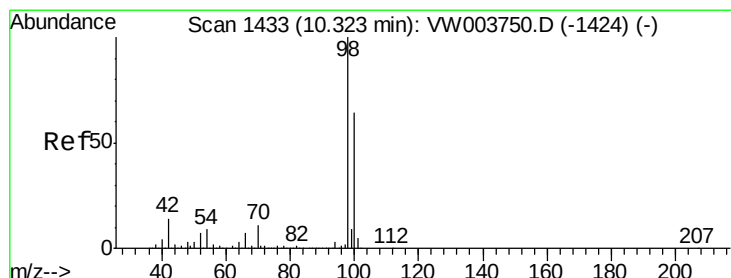
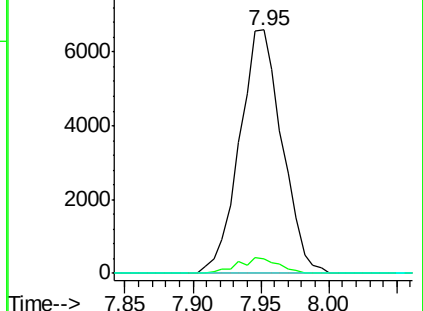
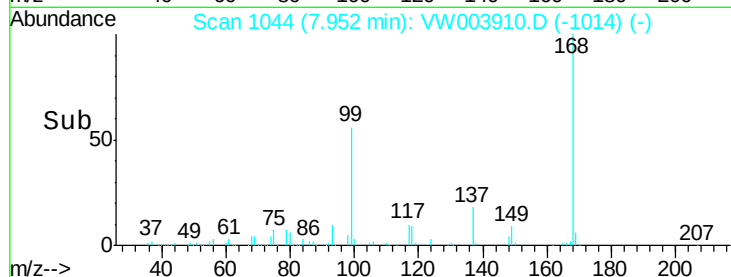
121 0.0 24.6 37.0#



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: 49.949 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003910.D

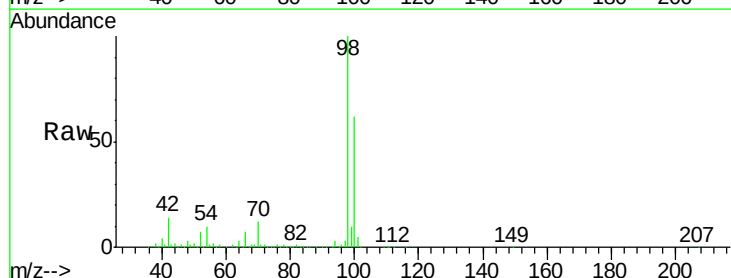
Acq: 12 Jul 2018 20:59

Tgt Ion: 98 Resp: 296479

Ion Ratio Lower Upper

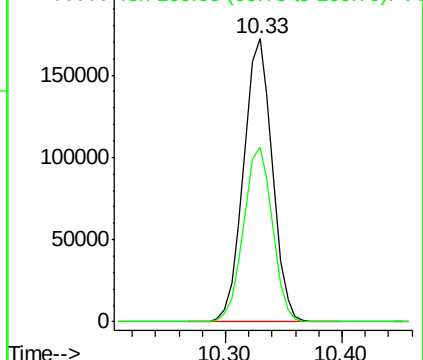
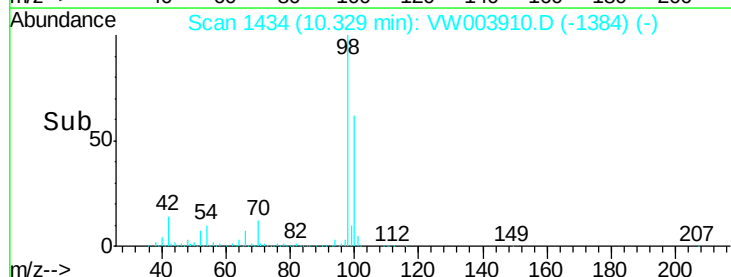
98 100

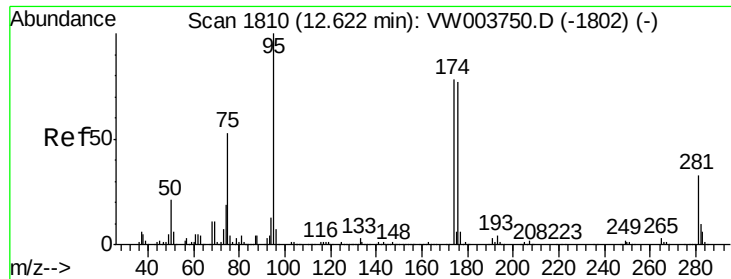
100 62.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 34.663 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

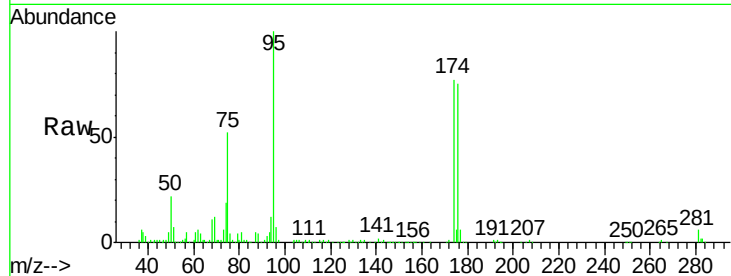
Tot Ion: 95 Resp: 74442

Ion Ratio Lower Upper

95 100

174 80.4 0.0 163.4

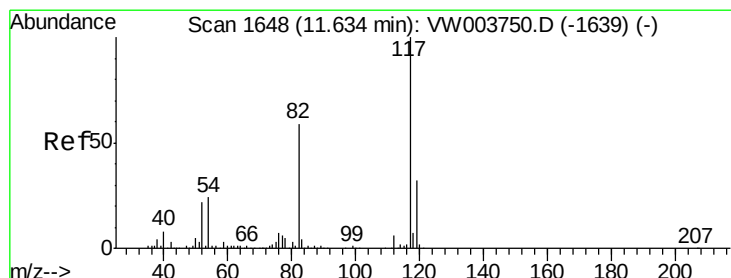
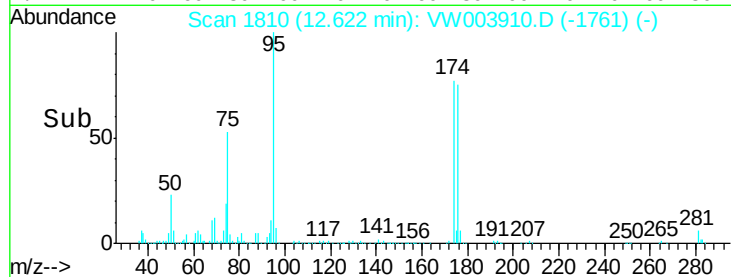
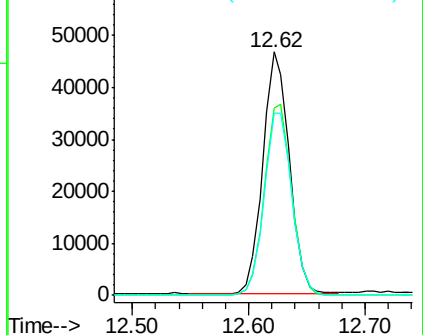
176 77.7 0.0 156.8



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: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

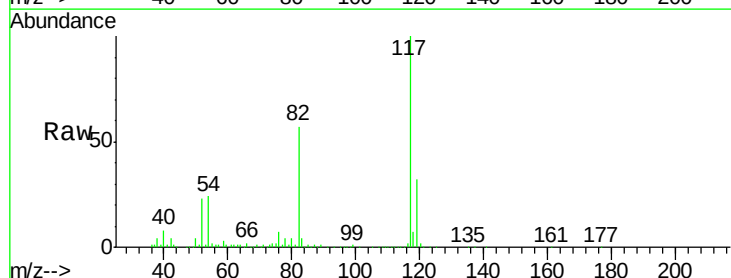
Tgt Ion: 117 Resp: 178974

Ion Ratio Lower Upper

117 100

82 56.9 46.9 70.3

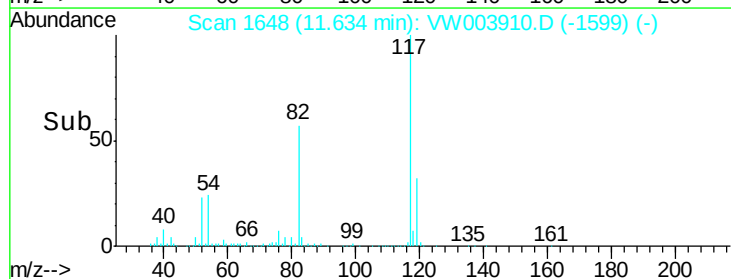
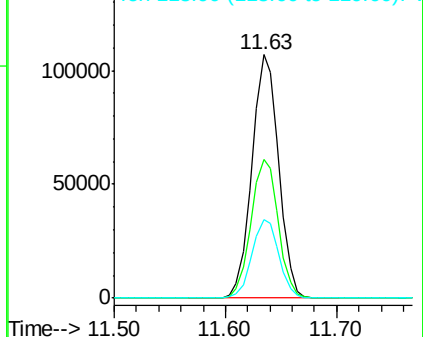
119 32.2 25.5 38.3

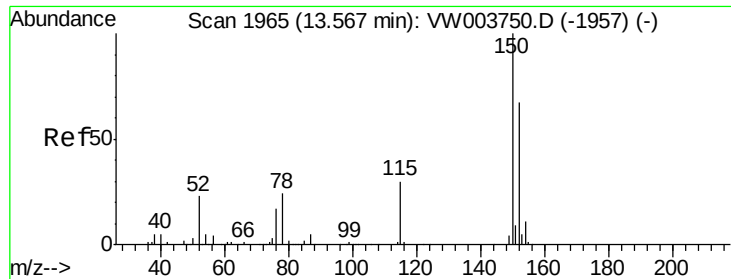


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



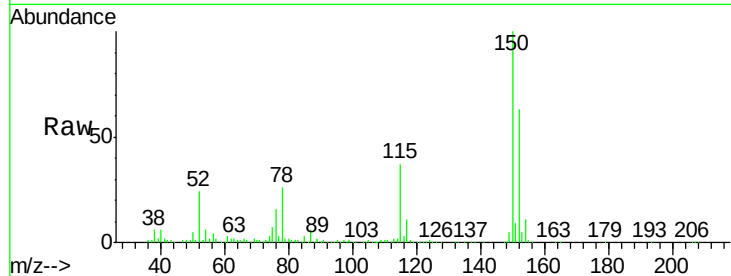


#72

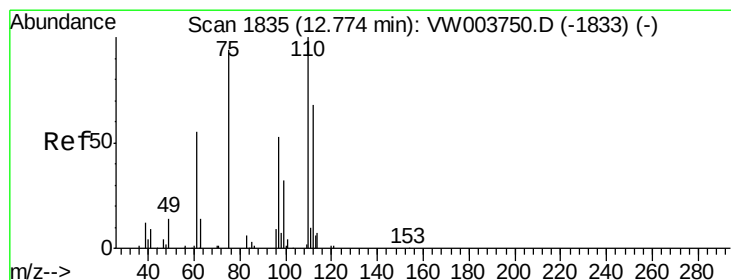
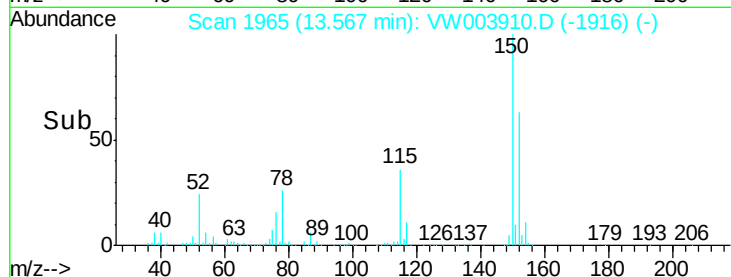
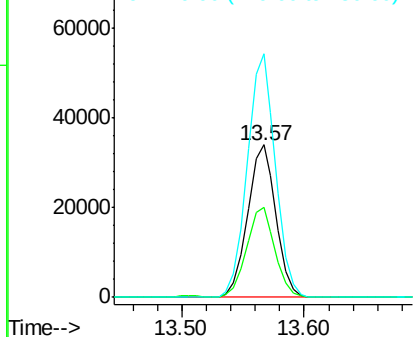
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 54467
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.8
150 158.8 0.0 342.4



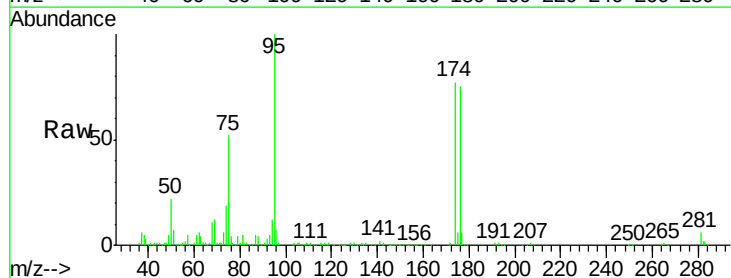
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



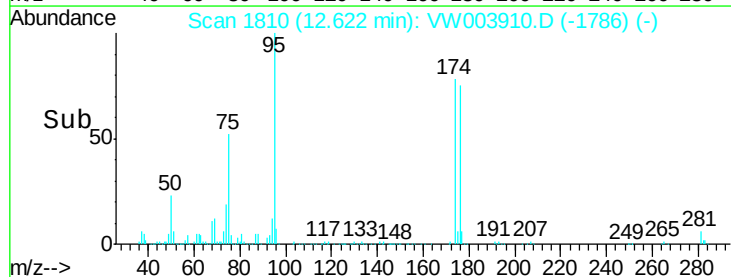
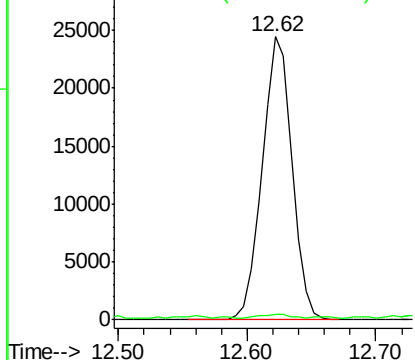
#76

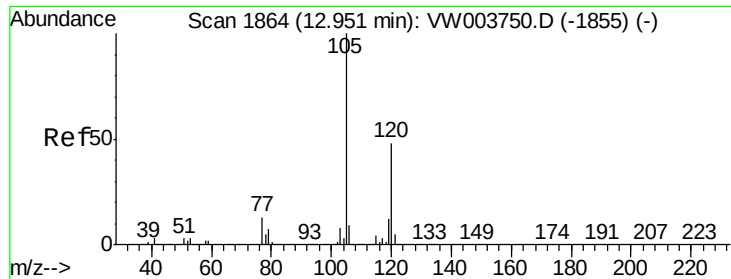
1,2,3-Trichloropropane
Concen: 73.362 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003910.D
Acq: 12 Jul 2018 20:59

Tgt Ion: 75 Resp: 39238
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



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: 1.093 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

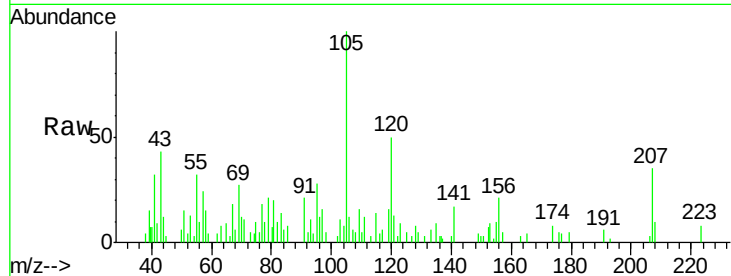
ClientSampled :

Tot Ion:105 Resp: 3475

Ion Ratio Lower Upper

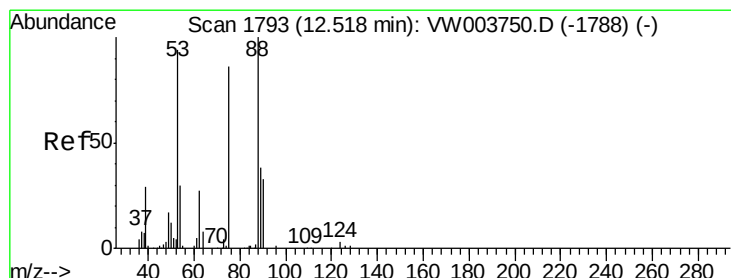
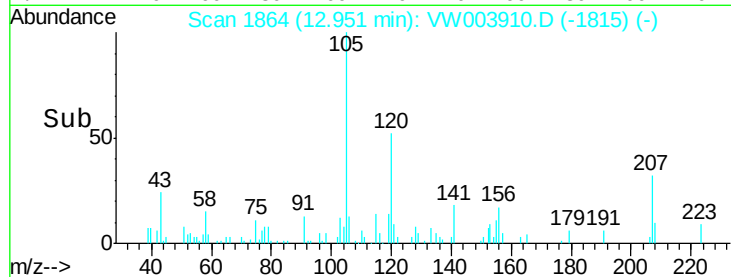
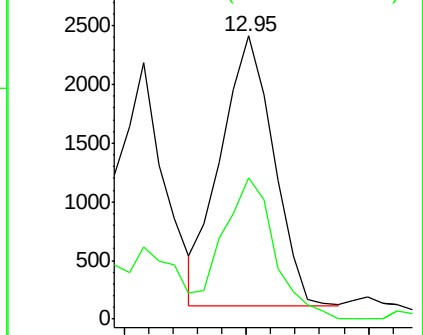
105 100

120 51.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 179.460 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

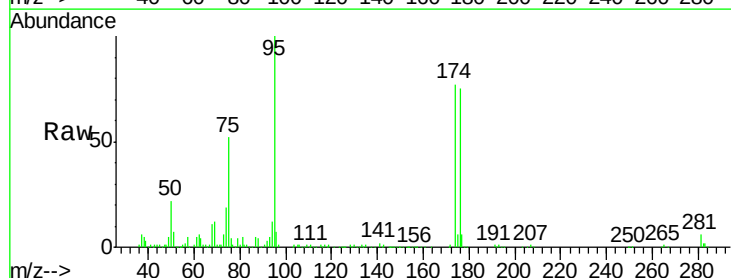
Tgt Ion: 75 Resp: 39238

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

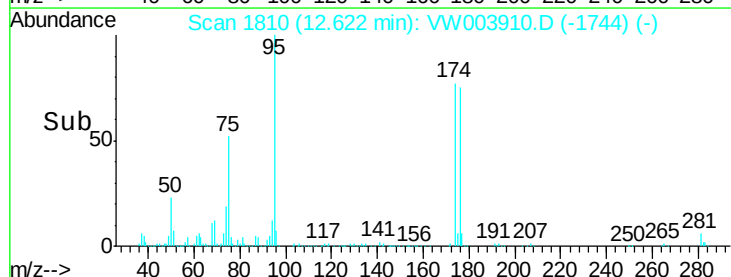
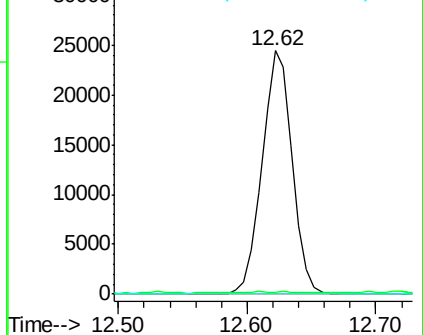
89 0.1 36.3 54.5#

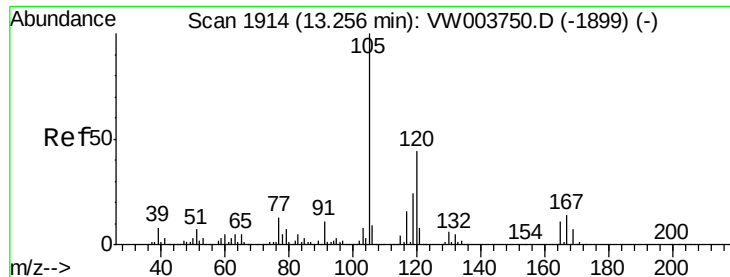


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

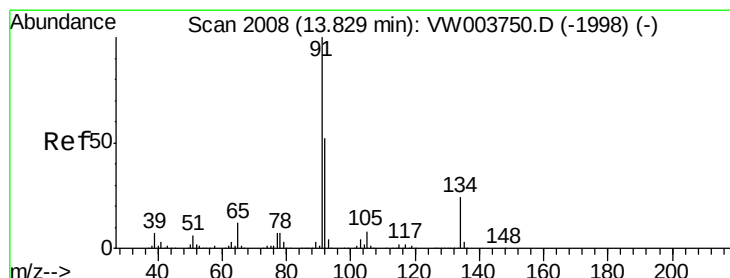
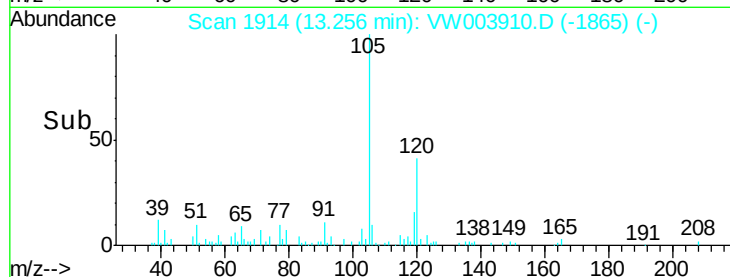
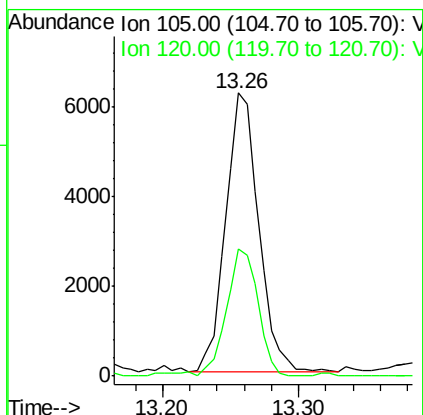
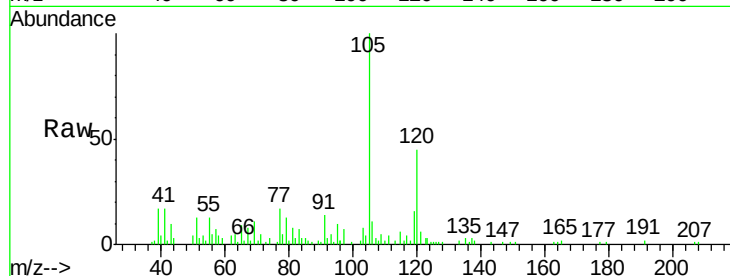




#84
 1,2,4-Trimethylbenzene
 Concen: 3.162 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003910.D
 Acq: 12 Jul 2018 20:59

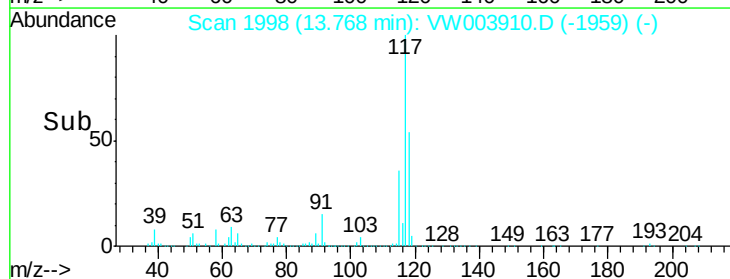
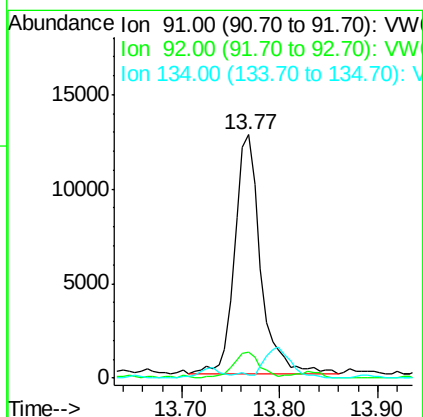
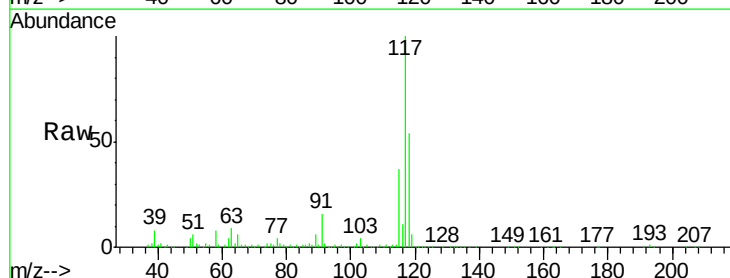
Instrument :
 MSVOA_W
 ClientSampleId :

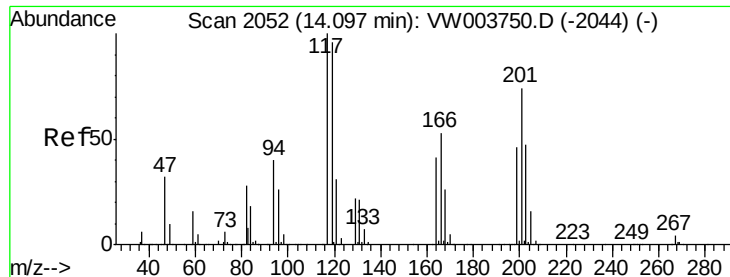
Tot Ion:105 Resp: 10443
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.0 66.0



#89
 n-Butylbenzene
 Concen: 6.857 ug/l
 RT: 13.77 min Scan# 1998
 Delta R.T. -0.06 min
 Lab File: VW003910.D
 Acq: 12 Jul 2018 20:59

Tgt Ion: 91 Resp: 23117
 Ion Ratio Lower Upper
 91 100
 92 11.4 26.1 78.3#
 134 0.0 12.4 37.4#





#90

Hexachloroethane

Concen: 1.719 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA_W

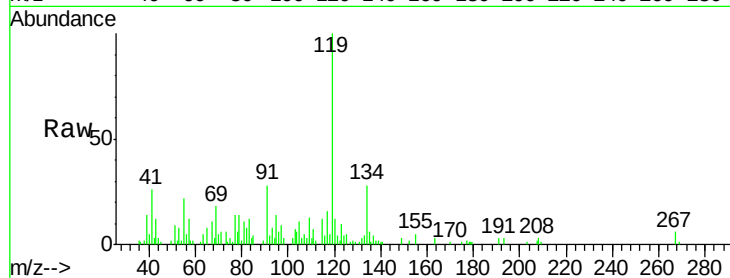
ClientSampled :

Tot Ion:117 Resp: 1135

Ion Ratio Lower Upper

117 100

201 0.0 39.2 117.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.10

800

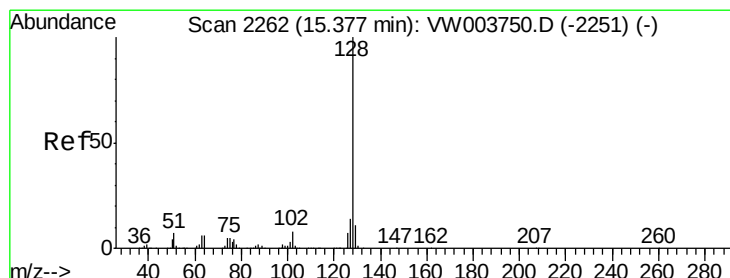
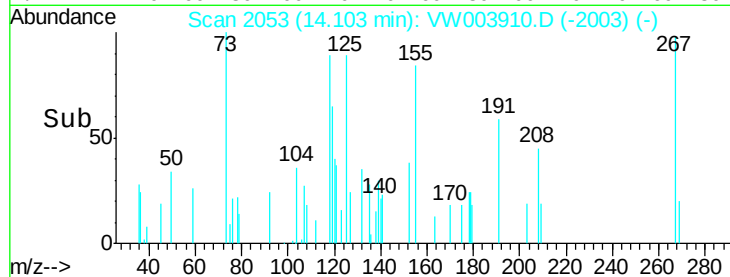
600

400

200

0

Time-->



#95

Naphthalene

Concen: 134.157 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

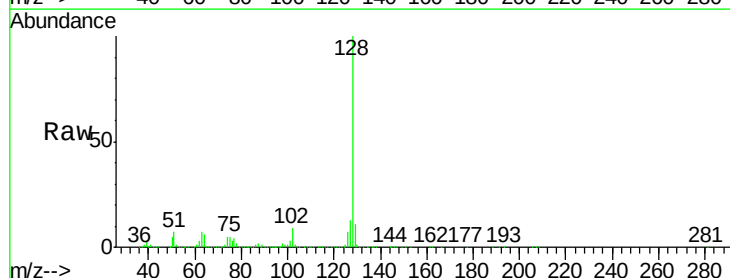
Tgt Ion:128 Resp: 271022

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.9 8.6 13.0



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

200000

150000

100000

50000

0

Time-->

