

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004254.D
 Acq On : 27 Jul 2018 05:53
 Operator : SY/AP
 Sample : J4162-06RE
 Misc : 4.97G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 07:39:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	93293	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	130623	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	7.88	113	113445	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	10.33	98	370594	40.71	ug/l	0.00
Spiked Amount			Recovery	=	81.42%	
62) 4-Bromofluorobenzene	12.63	95	100572	30.64	ug/l	0.00
Spiked Amount			Recovery	=	61.28%	

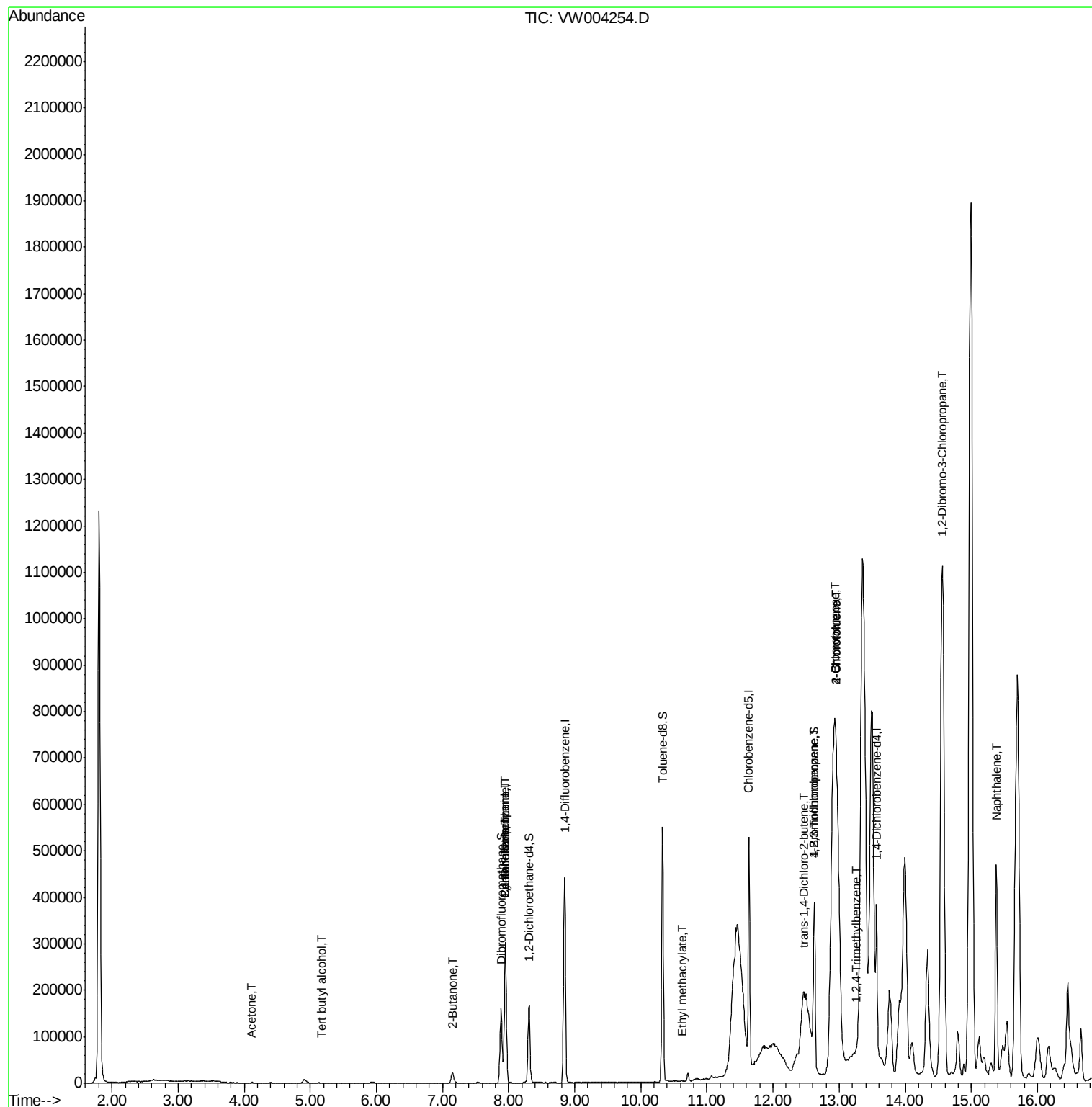
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	368	2.156	ug/l #	72
16) Acetone	4.12	43	1204	2.027	ug/l #	86
20) Methylene Chloride	4.90	84	5605	Below Cal	#	83
25) 2-Butanone	7.16	43	1322	1.654	ug/l #	77
31) Cyclohexane	7.95	56	4825	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17375	4.618	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22045	6.271	ug/l #	18
56) Ethyl methacrylate	10.63	69	106	2.982	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	51789	55.916	ug/l #	100
77) Bromobenzene	12.93	156	1263810	801.182	ug/l #	1
79) 2-Chlorotoluene	12.95	91	8623	1.890	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.46	75	6530	15.595	ug/l #	26
82) 4-Chlorotoluene	12.95	91	8623	1.762	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.26	105	8106	1.420	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.55	75	105950	467.349	ug/l #	5
95) Naphthalene	15.38	128	384362	105.630	ug/l	99

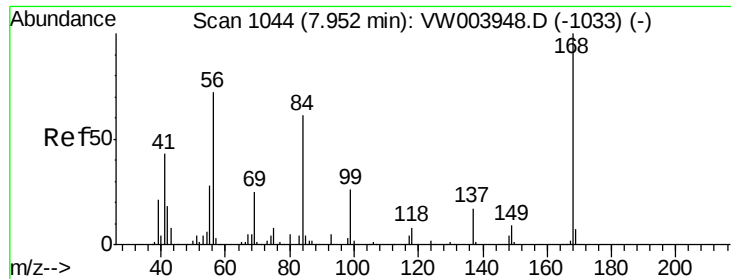
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 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: VW004254.D

Acq: 27 Jul 2018 05:53

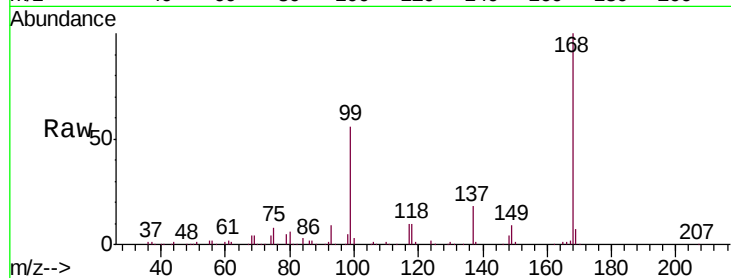
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 221170

Ion Ratio Lower Upper

168 100

99 56.3 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

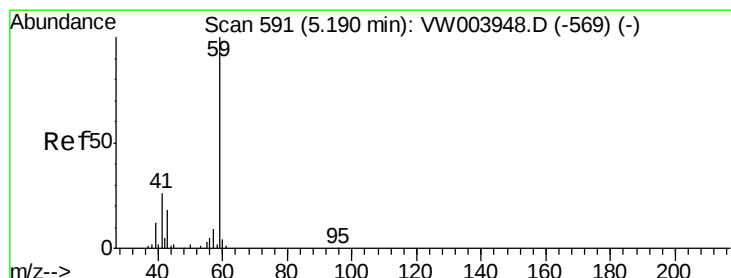
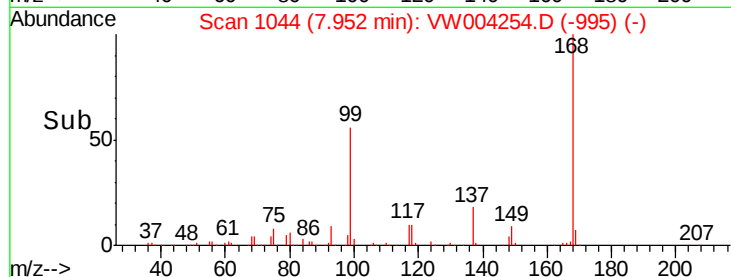
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.156 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW004254.D

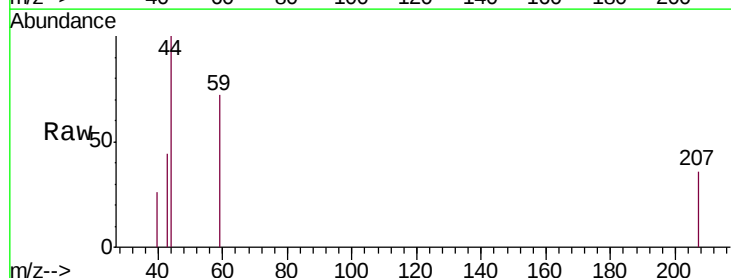
Acq: 27 Jul 2018 05:53

Tgt Ion: 59 Resp: 368

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

200

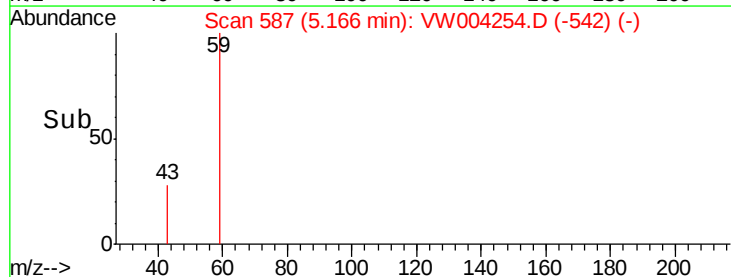
150

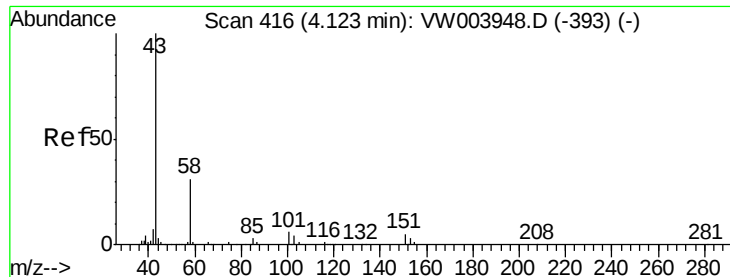
100

50

0

Time-->





#16

Acetone

Concen: 2.027 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Instrument :

MSVOA_W

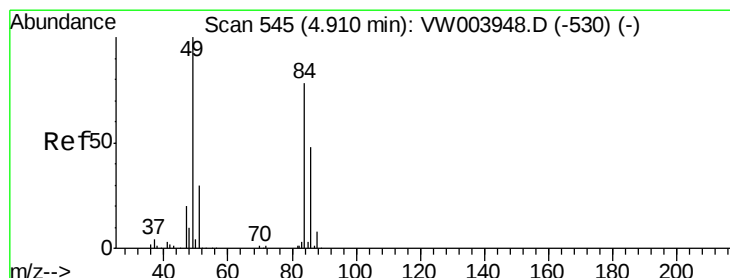
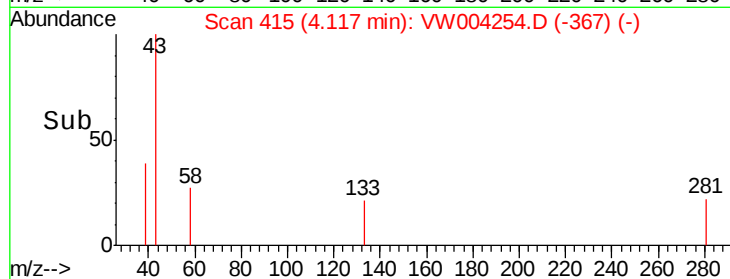
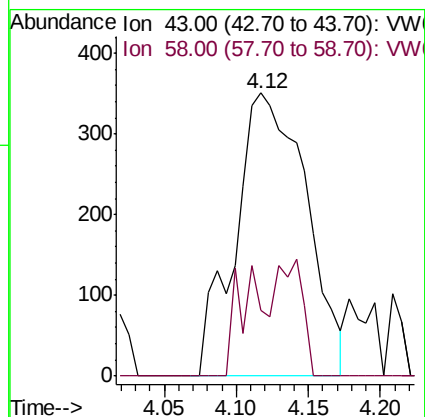
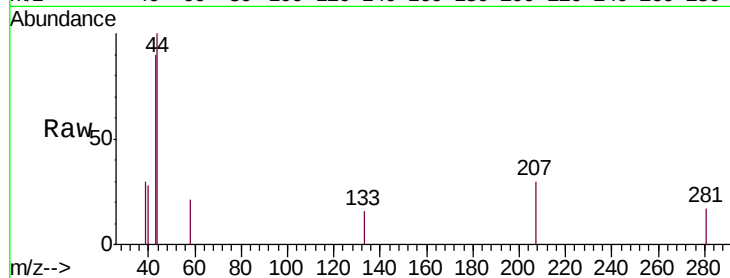
ClientSampleId :

Tot Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 23.1 24.5 36.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Tgt Ion: 84 Resp: 5605

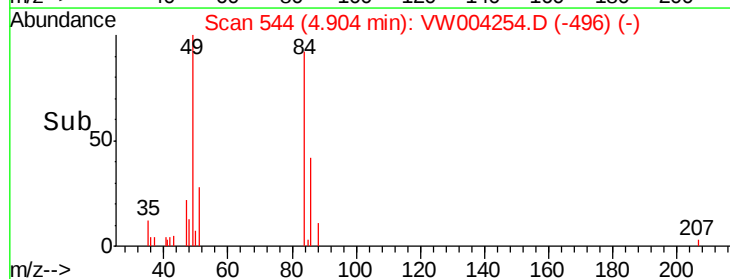
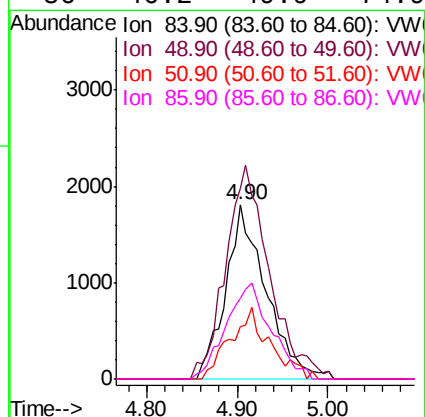
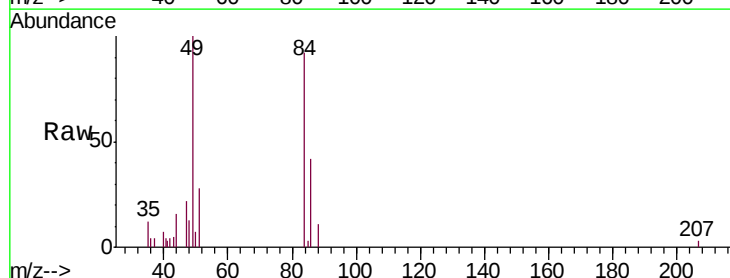
Ion Ratio Lower Upper

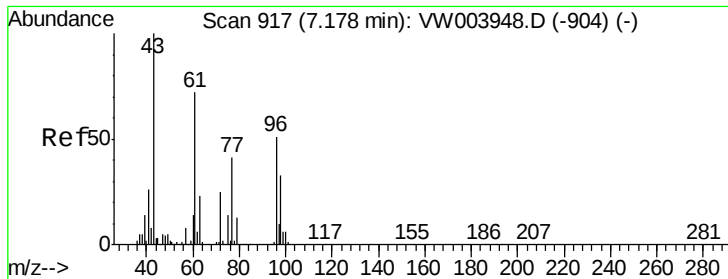
84 100

49 108.9 102.9 154.3

51 30.3 30.9 46.3#

86 46.2 49.9 74.9#

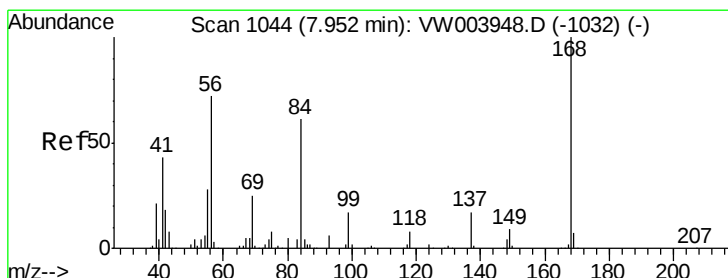
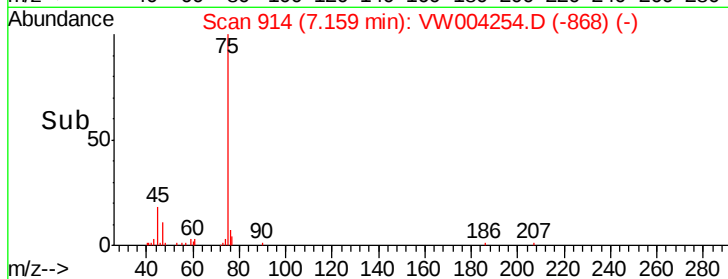
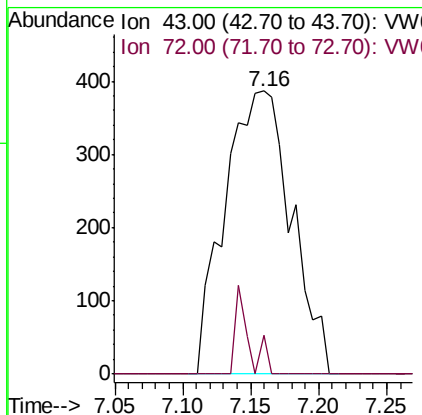
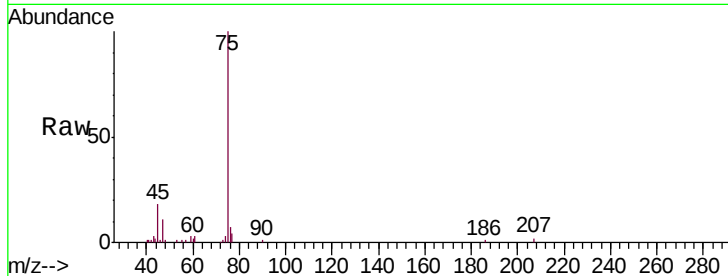




#25
2-Butanone
Concen: 1.654 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004254.D
Acq: 27 Jul 2018 05:53

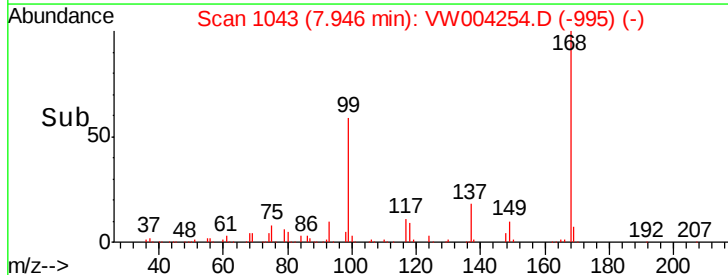
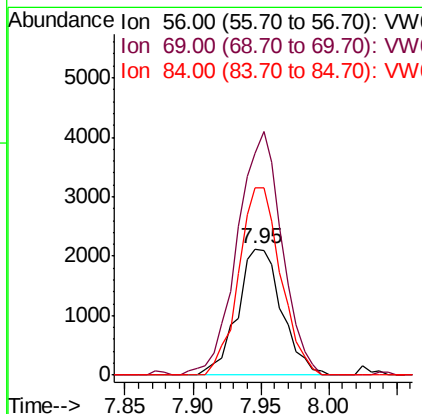
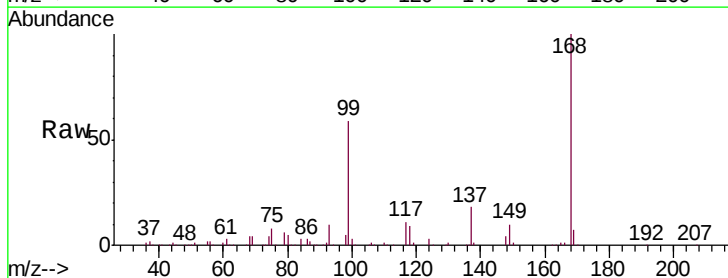
Instrument :
MSVOA_W
ClientSampleId :

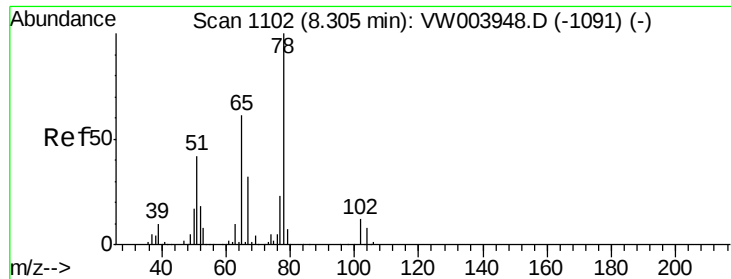
Tot Ion: 43 Resp: 1322
Ion Ratio Lower Upper
43 100
72 13.4 19.8 29.6#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004254.D
Acq: 27 Jul 2018 05:53

Tgt Ion: 56 Resp: 4825
Ion Ratio Lower Upper
56 100
69 176.0 27.8 41.8#
84 149.0 67.2 100.8#

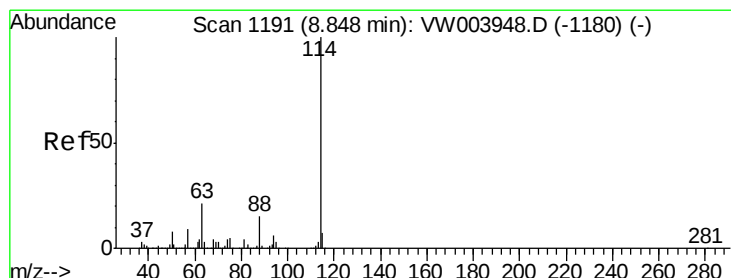
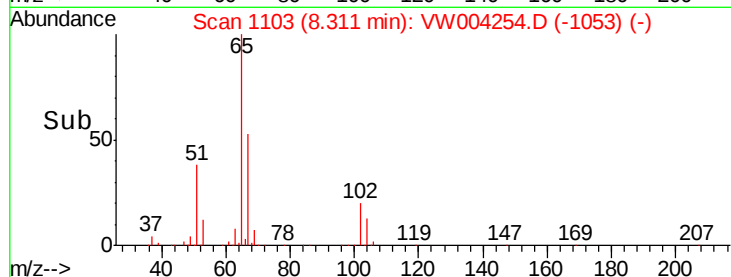
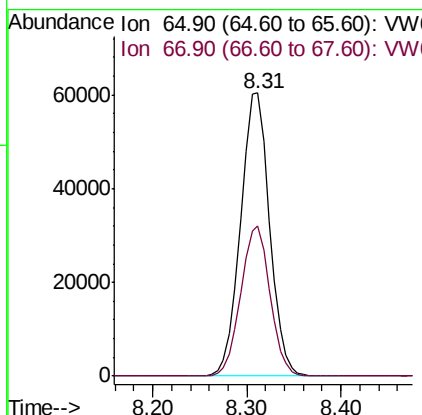
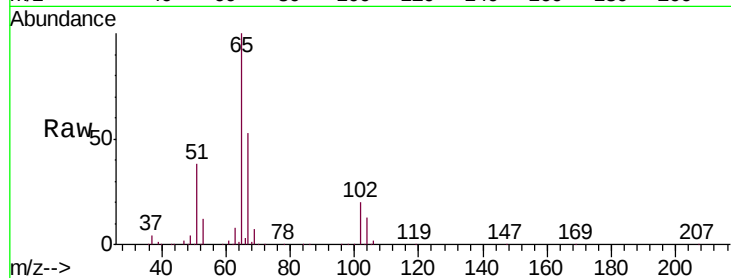




#33
 1,2-Dichloroethane-d4
 Concen: 52.836 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004254.D
 Acq: 27 Jul 2018 05:53

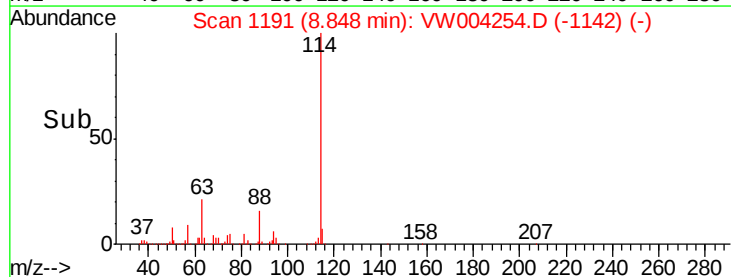
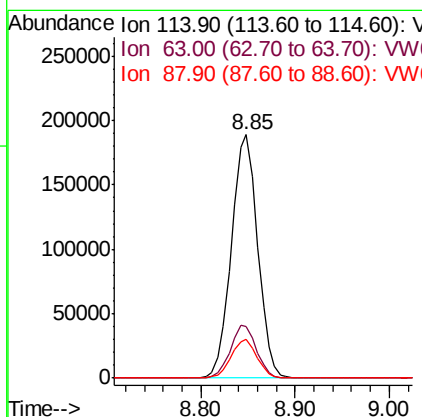
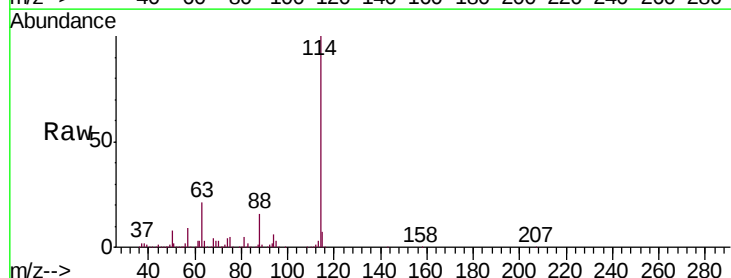
Instrument :
 MSVOA_W
 ClientSampleId :

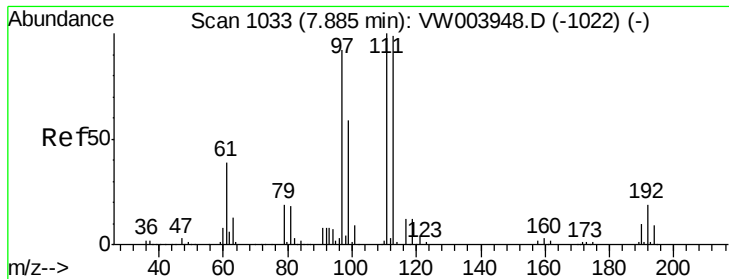
Tot Ion: 65 Resp: 130623
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004254.D
 Acq: 27 Jul 2018 05:53

Tgt Ion: 114 Resp: 365658
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.8
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.354 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Instrument :
MSVOA_W
ClientSampled :

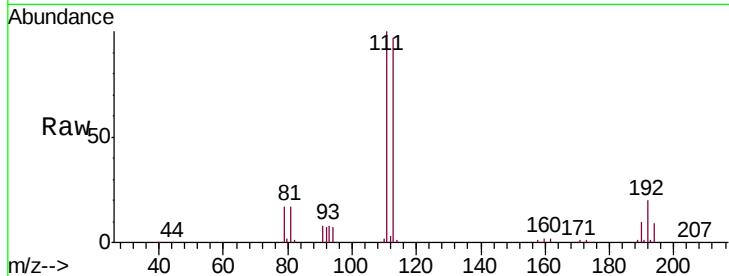
Tot Ion:113 Resp: 113445

Ion Ratio Lower Upper

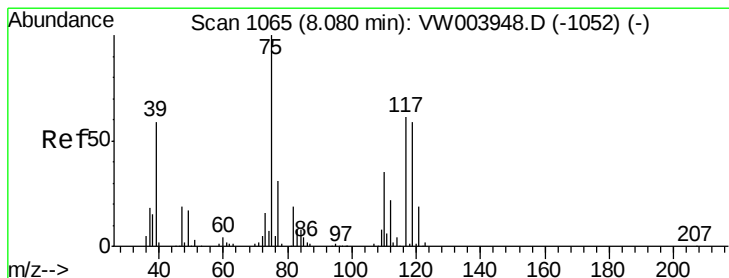
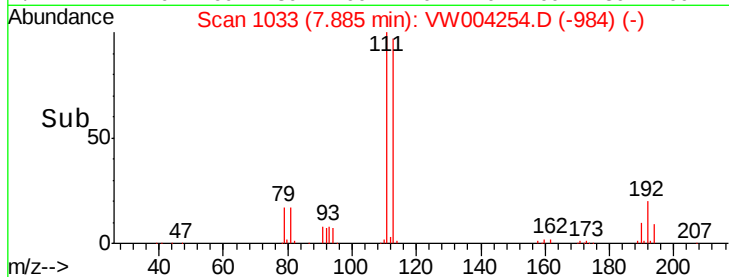
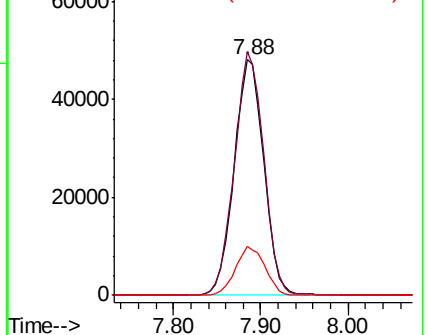
113 100

111 102.6 81.3 121.9

192 20.7 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

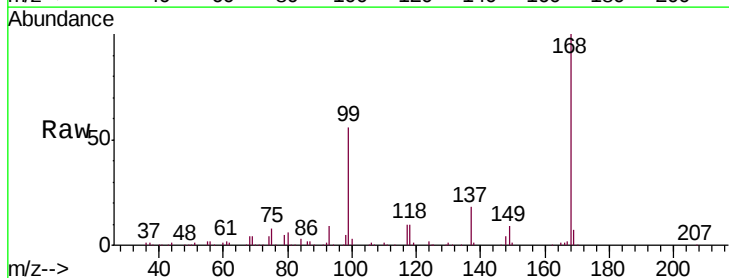
Tgt Ion: 75 Resp: 17375

Ion Ratio Lower Upper

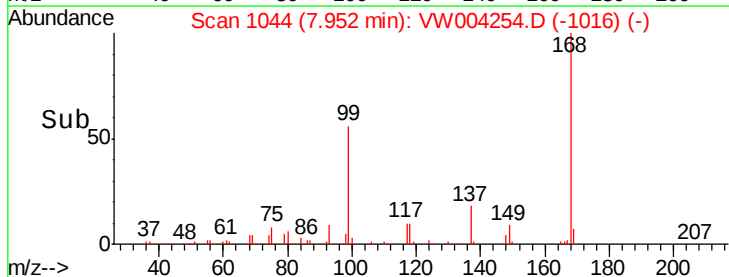
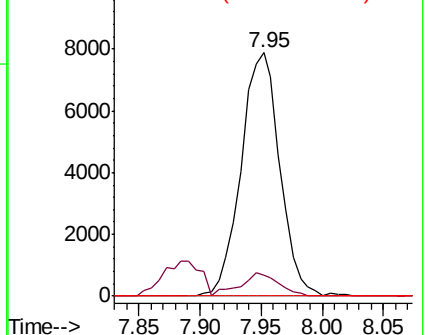
75 100

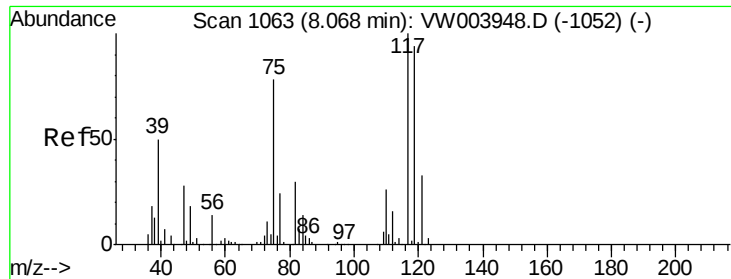
110 8.9 17.0 51.0#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Instrument :

MSVOA_W

ClientSampled :

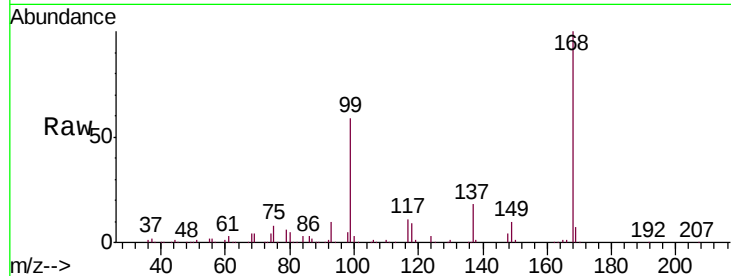
Tot Ion:117 Resp: 22045

Ion Ratio Lower Upper

117 100

119 6.5 75.3 112.9#

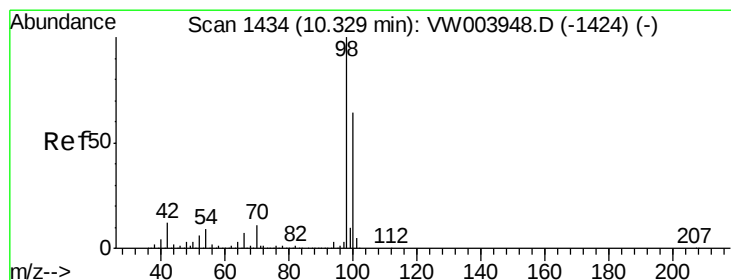
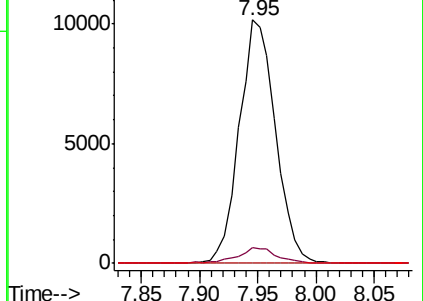
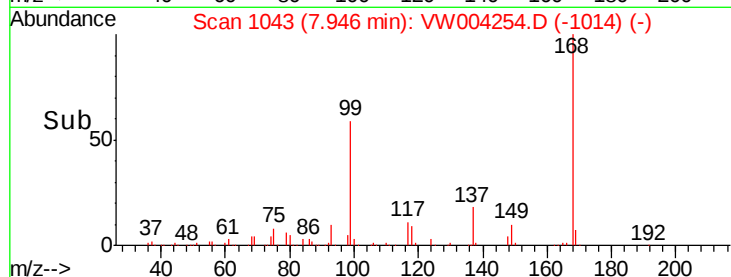
121 0.0 26.0 39.0#



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: 40.708 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004254.D

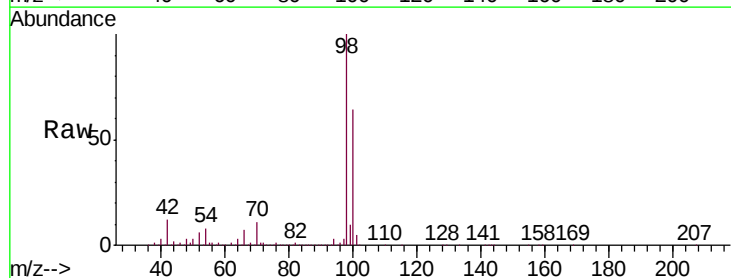
Acq: 27 Jul 2018 05:53

Tgt Ion: 98 Resp: 370594

Ion Ratio Lower Upper

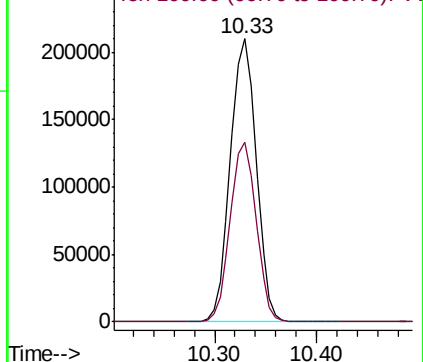
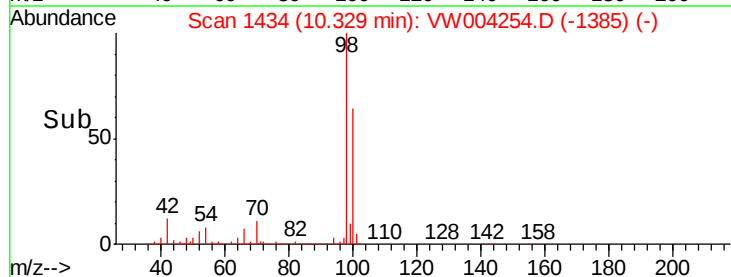
98 100

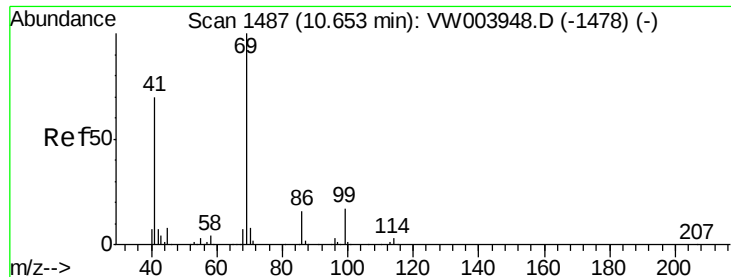
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.982 ug/l

RT: 10.63 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Instrument :

MSVOA_W

ClientSampled :

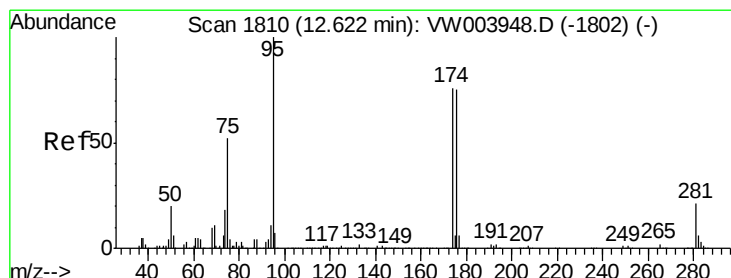
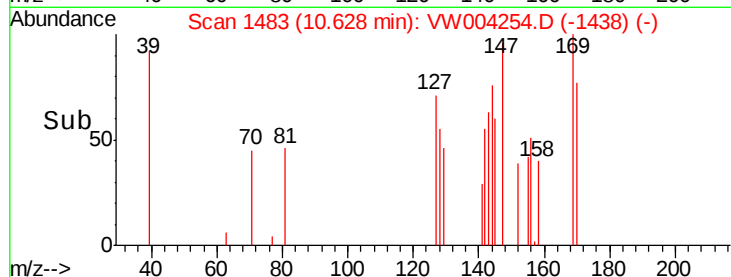
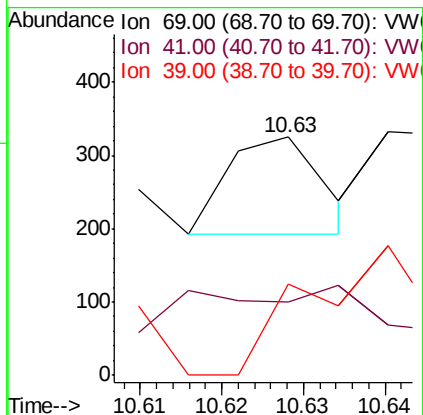
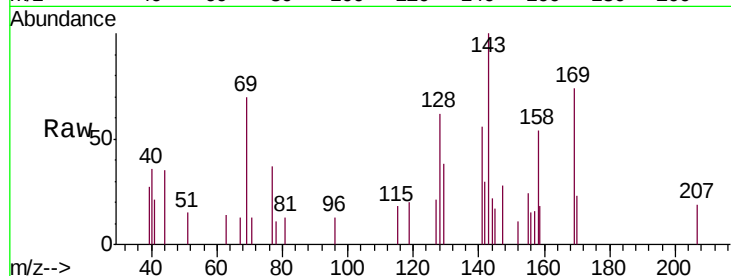
Tot Ion: 69 Resp: 106

Ion Ratio Lower Upper

69 100

41 75.5 56.5 84.7

39 217.9 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 30.636 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

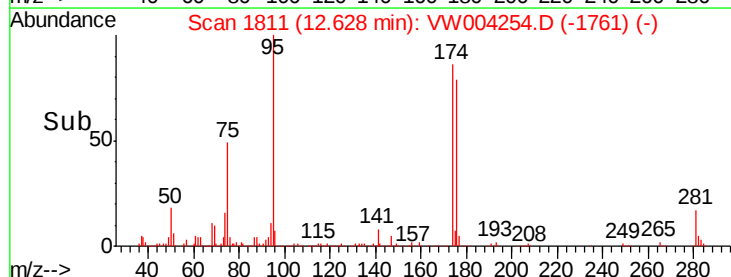
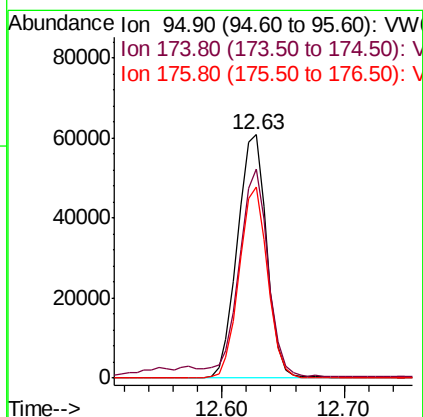
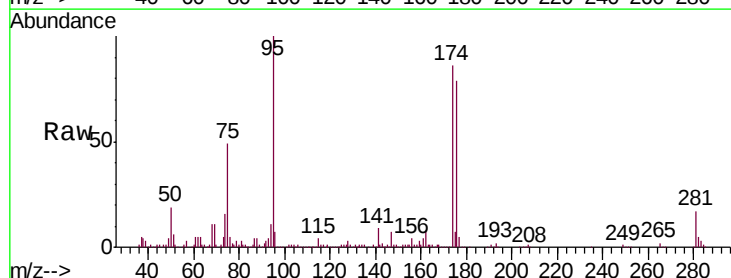
Tgt Ion: 95 Resp: 100572

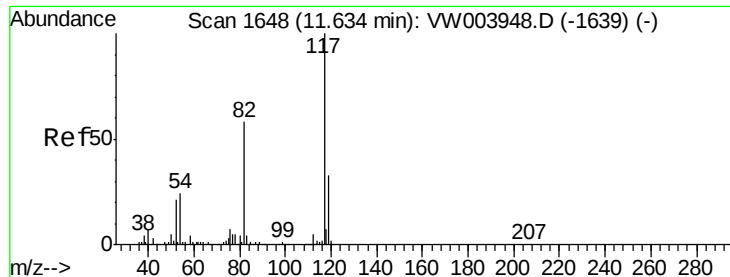
Ion Ratio Lower Upper

95 100

174 84.5 0.0 160.2

176 76.2 0.0 155.8

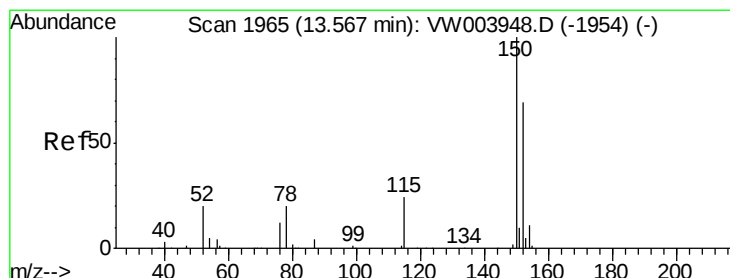
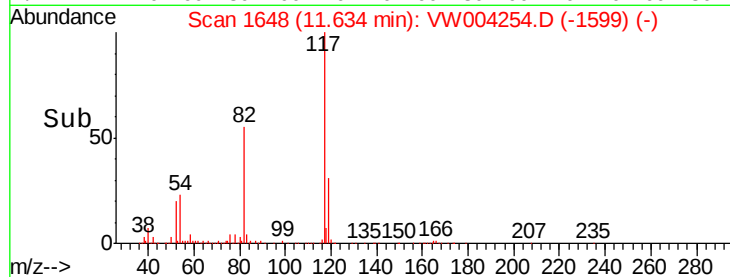
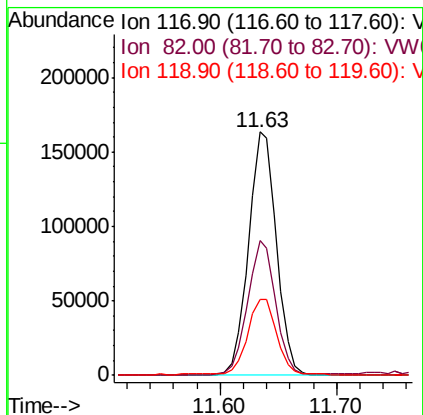
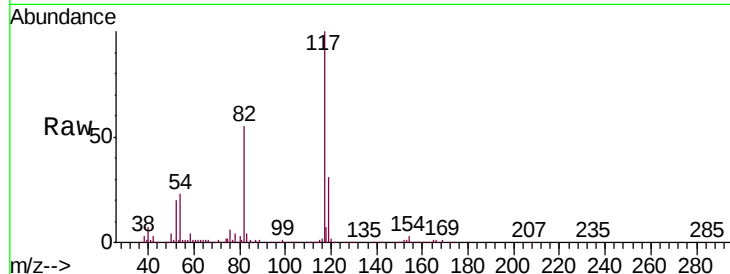




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004254.D
Acq: 27 Jul 2018 05:53

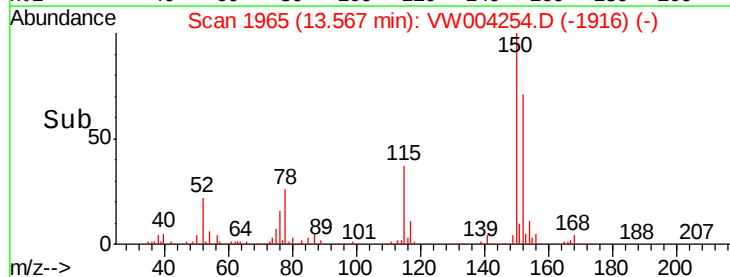
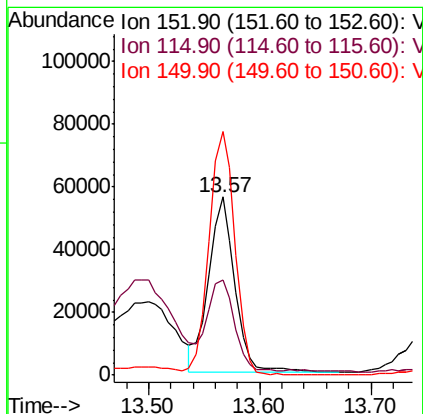
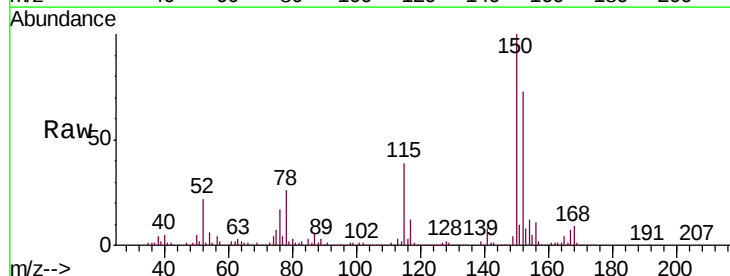
Instrument :
MSVOA_W
ClientSampleId :

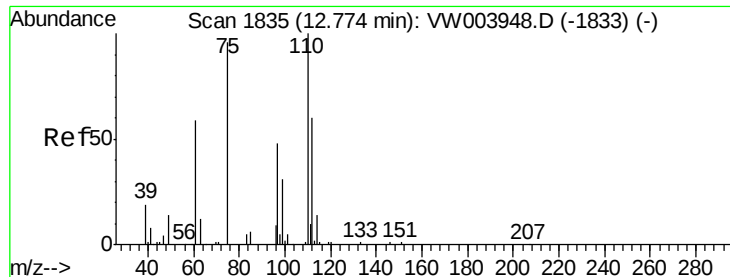
Tot Ion:117 Resp: 272629
Ion Ratio Lower Upper
117 100
82 55.0 46.5 69.7
119 31.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004254.D
Acq: 27 Jul 2018 05:53

Tgt Ion:152 Resp: 93293
Ion Ratio Lower Upper
152 100
115 52.1 29.2 87.6
150 134.3 0.0 345.2

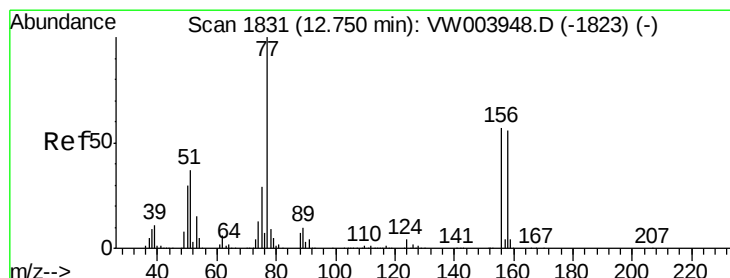
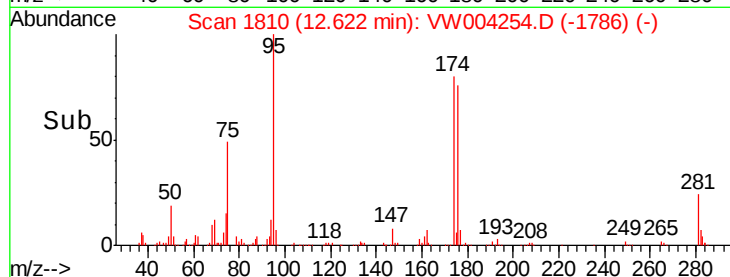
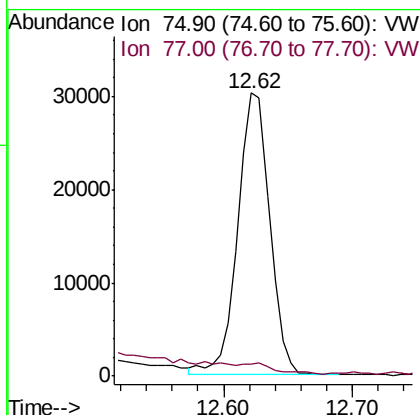
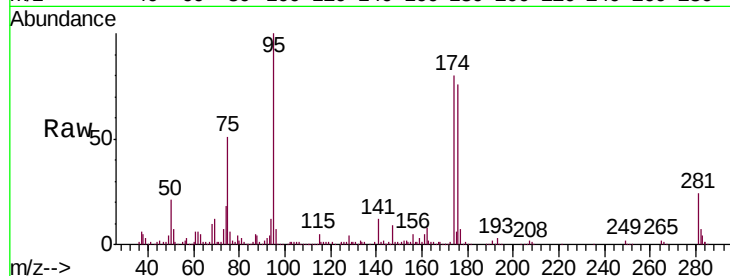




#76
 1,2,3-Trichloropropane
 Concen: 55.916 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004254.D
 Acq: 27 Jul 2018 05:53

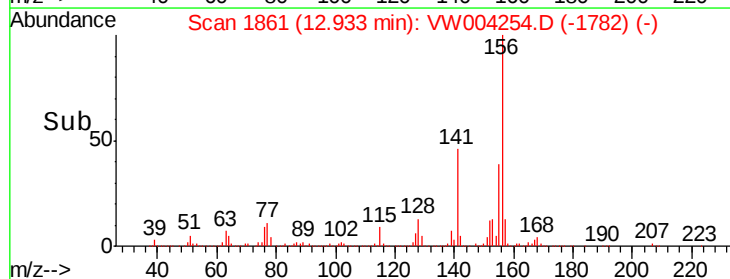
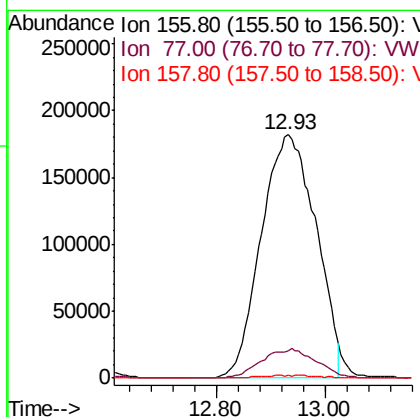
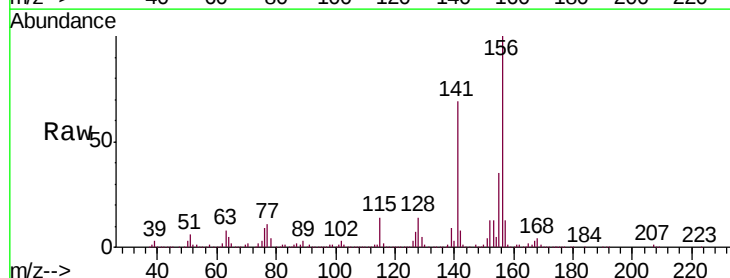
Instrument :
 MSVOA_W
 ClientSampleId :

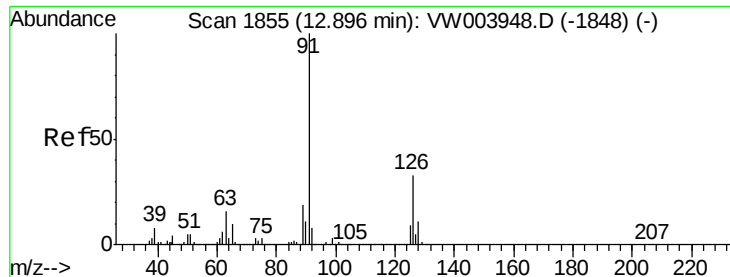
Tot Ion: 75 Resp: 51789
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 801.182 ug/l
 RT: 12.93 min Scan# 1861
 Delta R.T. 0.18 min
 Lab File: VW004254.D
 Acq: 27 Jul 2018 05:53

Tgt Ion: 156 Resp: 1263810
 Ion Ratio Lower Upper
 156 100
 77 11.7 96.2 288.6#
 158 0.0 48.5 145.5#

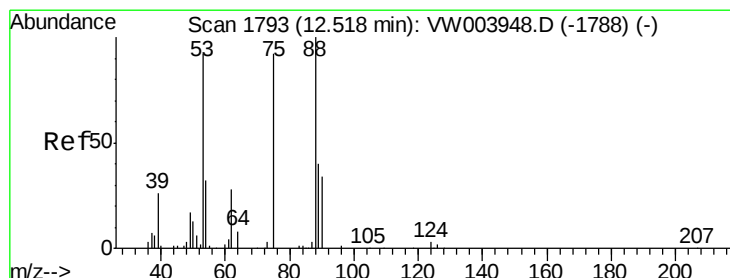
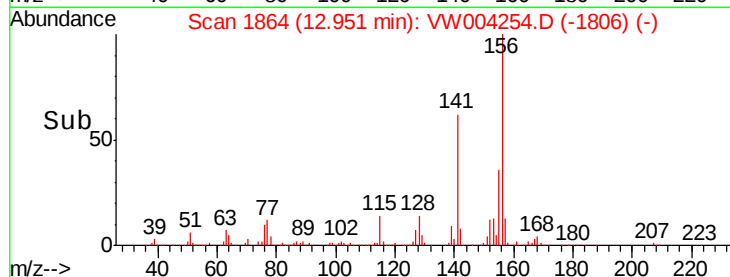
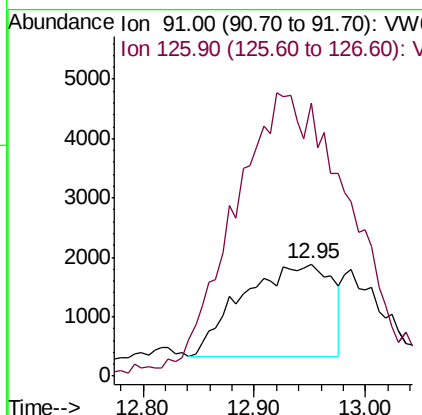
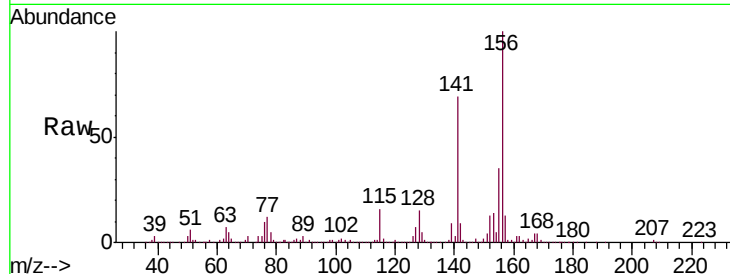




#79
 2-Chlorotoluene
 Concen: 1.890 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.05 min
 Lab File: VW004254.D
 Acq: 27 Jul 2018 05:53

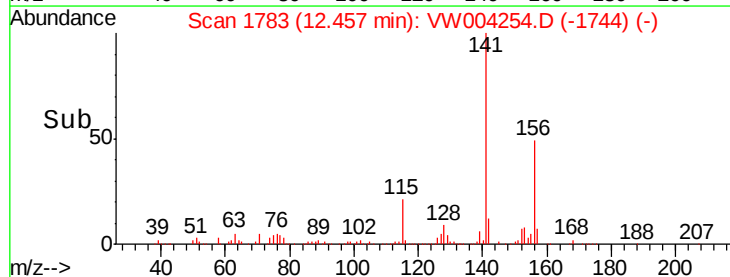
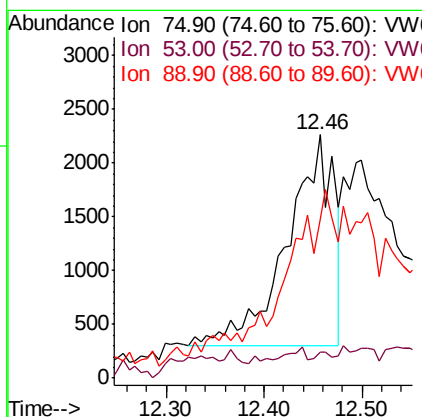
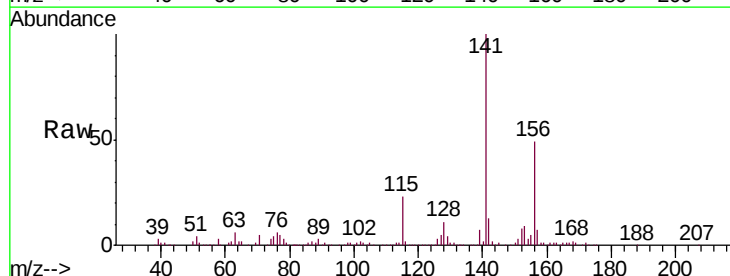
Instrument :
 MSVOA_W
 ClientSampled :

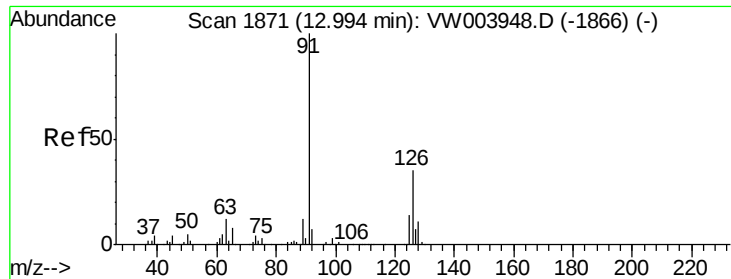
Tot Ion: 91 Resp: 8623
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.595 ug/l
 RT: 12.46 min Scan# 1783
 Delta R.T. -0.06 min
 Lab File: VW004254.D
 Acq: 27 Jul 2018 05:53

Tgt Ion: 75 Resp: 6530
 Ion Ratio Lower Upper
 75 100
 53 2.5 77.6 116.4#
 89 62.9 36.6 54.8#





#82

4-Chlorotoluene

Concen: 1.762 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.04 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Instrument :

MSVOA_W

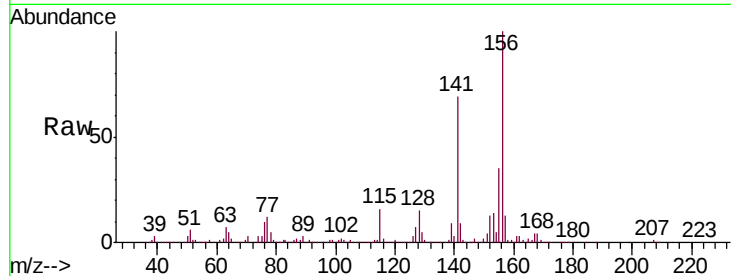
ClientSampleId :

Tot Ion: 91 Resp: 8623

Ion Ratio Lower Upper

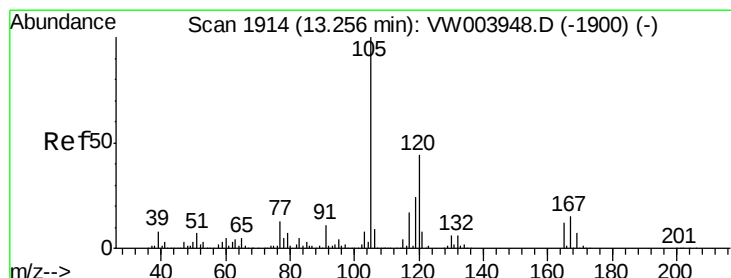
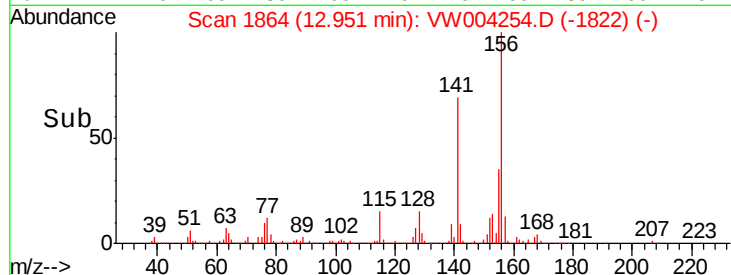
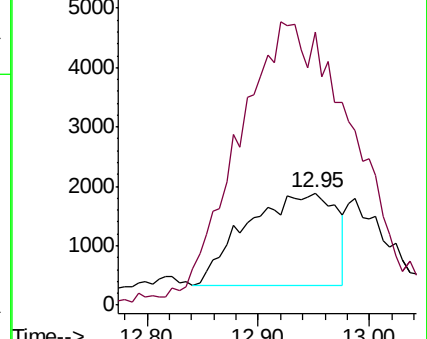
91 100

126 0.0 16.7 50.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#84

1,2,4-Trimethylbenzene

Concen: 1.420 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW004254.D

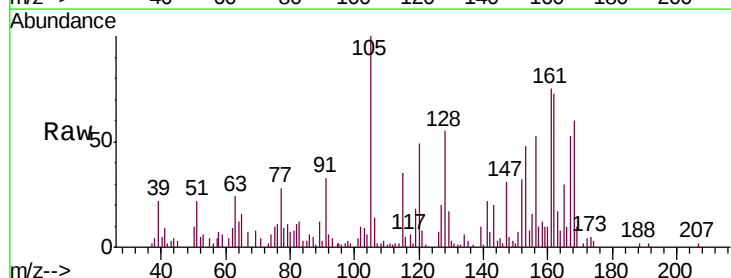
Acq: 27 Jul 2018 05:53

Tgt Ion:105 Resp: 8106

Ion Ratio Lower Upper

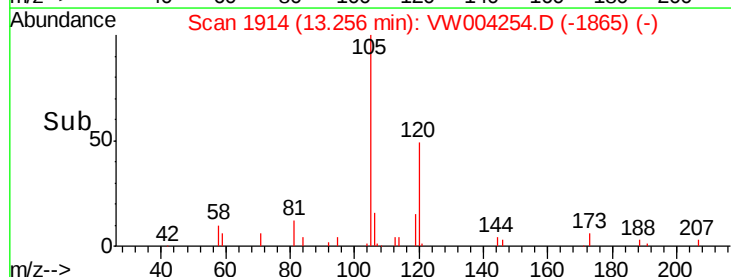
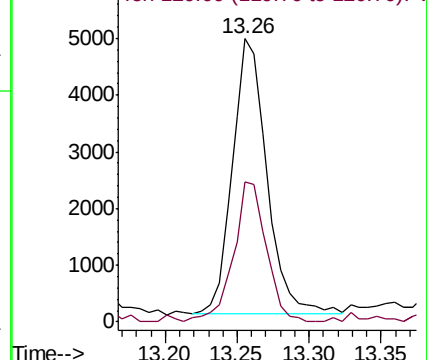
105 100

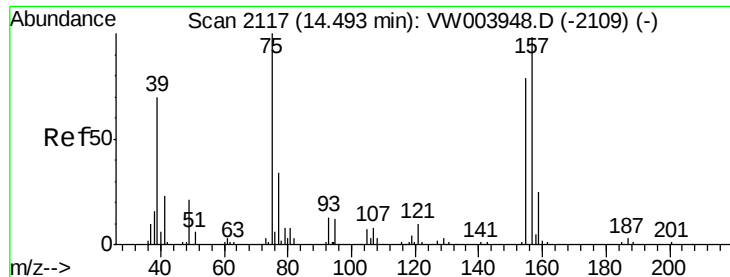
120 48.7 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 467.349 ug/l

RT: 14.55 min Scan# 2126

Delta R.T. 0.05 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

Instrument :

MSVOA_W

ClientSampleId :

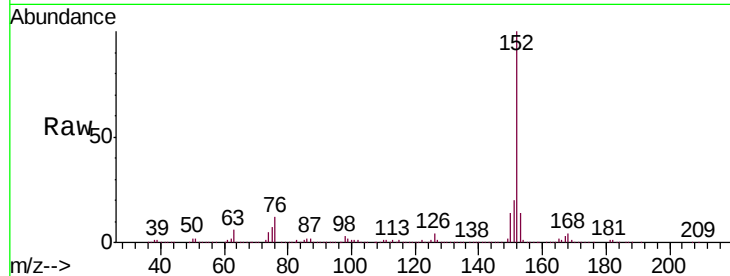
Tot Ion: 75 Resp: 105950

Ion Ratio Lower Upper

75 100

155 2.8 39.4 118.1#

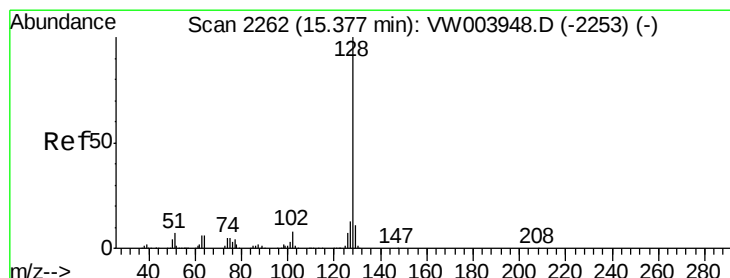
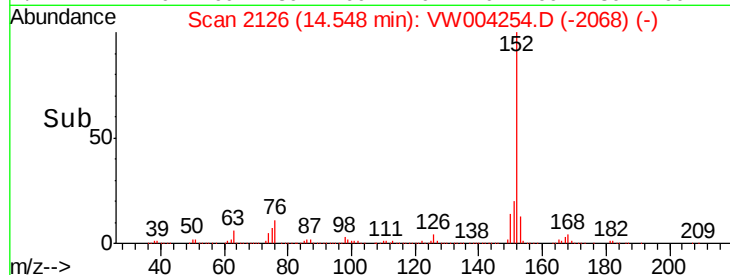
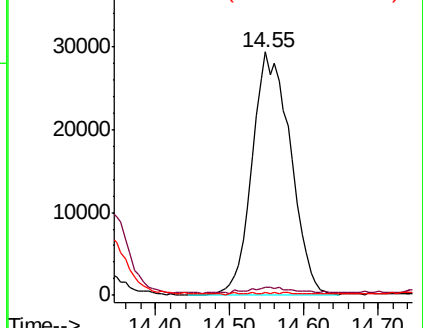
157 0.0 51.8 155.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 105.630 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004254.D

Acq: 27 Jul 2018 05:53

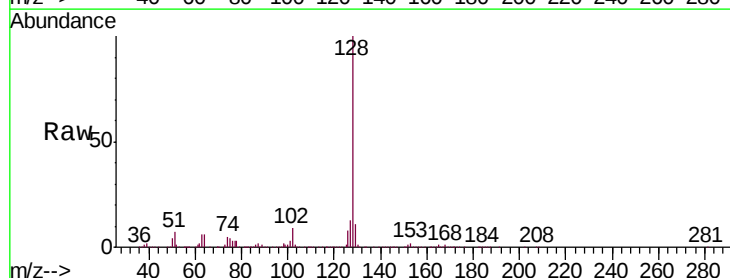
Tgt Ion:128 Resp: 384362

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.7 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

