

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007784.D
 Acq On : 21 Dec 2018 09:58
 Operator : SY/AP
 Sample : J6389-09
 Misc : 4.12G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS014-0006-01

Quant Time: Dec 21 10:57:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	64067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	101999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	64530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18838	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	34218	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	7.88	113	27568	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	
50) Toluene-d8	10.32	98	78317	33.39	ug/l	0.00
Spiked Amount			Recovery	=	66.78%	
62) 4-Bromofluorobenzene	12.62	95	24023	26.51	ug/l	0.00
Spiked Amount			Recovery	=	53.02%	

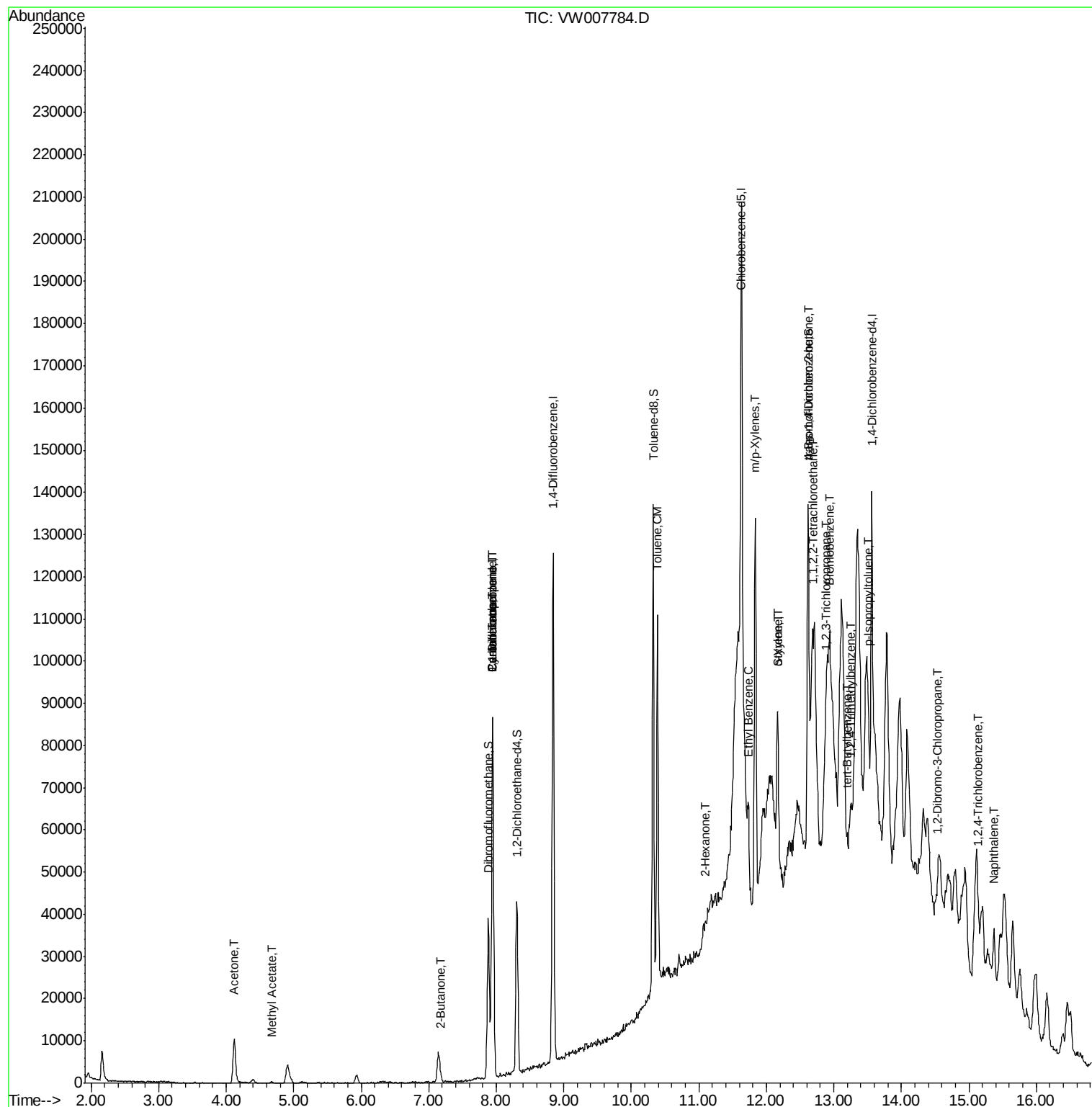
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	18862	143.444	ug/l	93
18) Methyl Acetate	4.67	43	611	1.954	ug/l #	70
20) Methylene Chloride	4.91	84	4040	Below Cal	#	80
25) 2-Butanone	7.18	43	1266	8.220	ug/l #	78
31) Cyclohexane	7.95	56	1445	1.382	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	4723	4.797	ug/l #	54
38) Carbon Tetrachloride	7.95	117	6759	5.830	ug/l #	15
52) Toluene	10.39	92	38907	22.074	ug/l	100
59) 2-Hexanone	11.10	43	237	1.048	ug/l	87
67) Ethyl Benzene	11.73	91	10358	4.322	ug/l	95
68) m/p-Xylenes	11.83	106	27540	29.622	ug/l	95
69) o-Xylene	12.17	106	8819	10.119	ug/l	98
70) Styrene	12.17	104	1941	1.355	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.68	83	10635	49.813	ug/l #	27
76) 1,2,3-Trichloropropane	12.88	75	681	4.677	ug/l #	100
77) Bromobenzene	12.93	156	79774	244.457	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	10305	148.564	ug/l #	11
83) tert-Butylbenzene	13.20	119	4132	3.834	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.26	105	3505	2.828	ug/l	94
86) p-Isopropyltoluene	13.51	119	3174	2.350	ug/l #	66
92) 1,2-Dibromo-3-Chloropropan	14.53	75	63	1.437	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.14	180	934	2.319	ug/l #	72
95) Naphthalene	15.37	128	5771	7.752	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

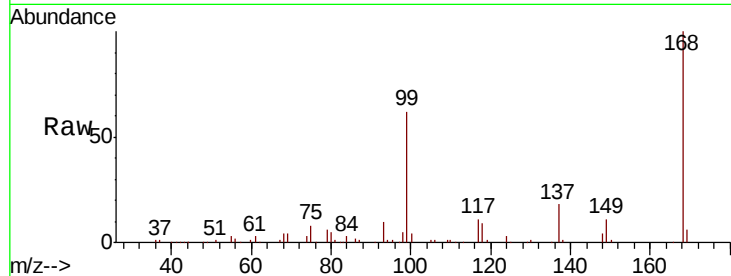
P001-SS014-0006-01

Tot Ion:168 Resp: 64067

Ion Ratio Lower Upper

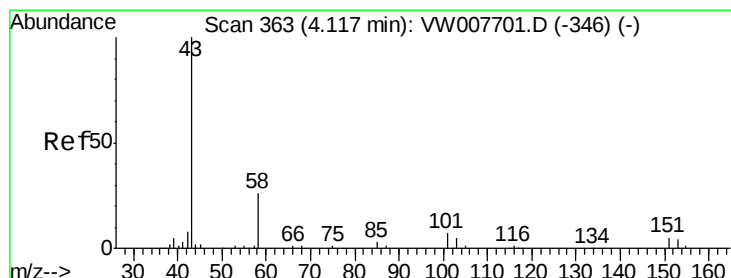
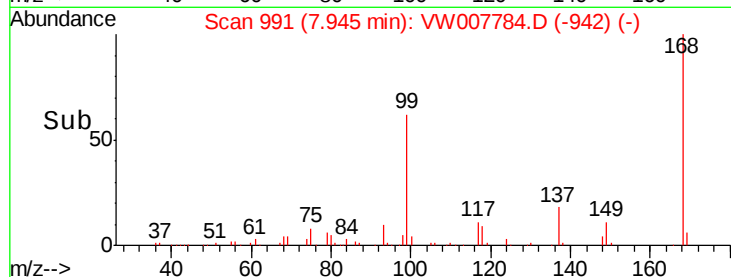
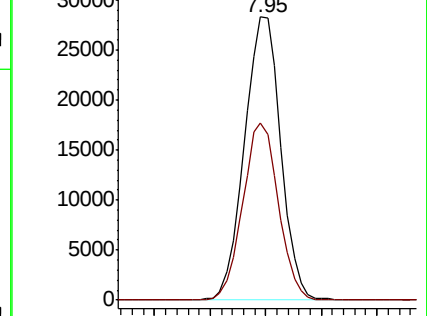
168 100

99 62.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 143.444 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007784.D

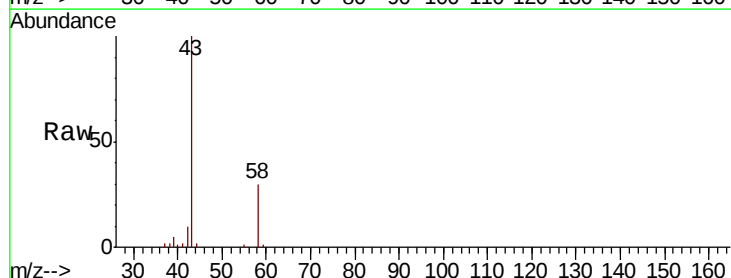
Acq: 21 Dec 2018 09:58

Tgt Ion: 43 Resp: 18862

Ion Ratio Lower Upper

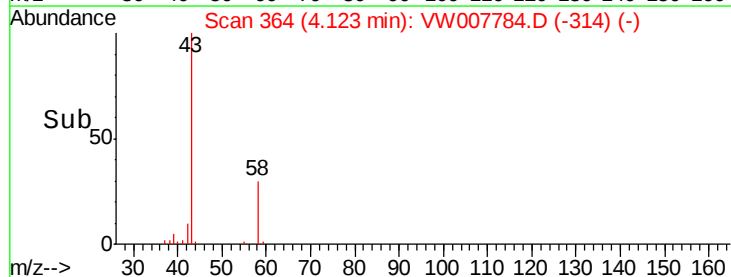
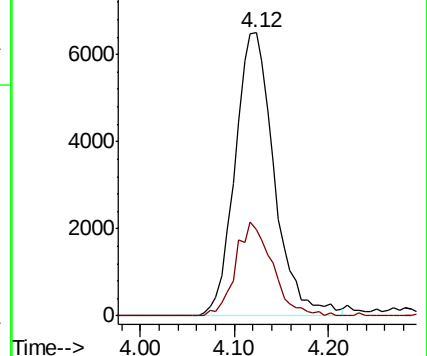
43 100

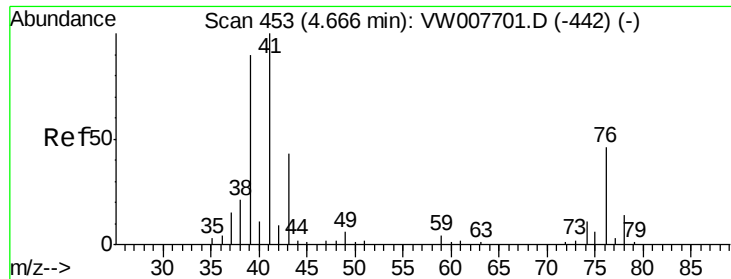
58 30.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

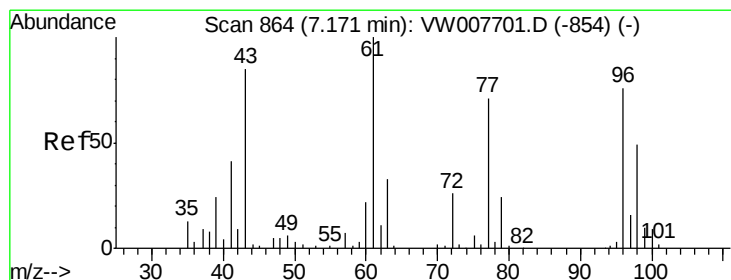
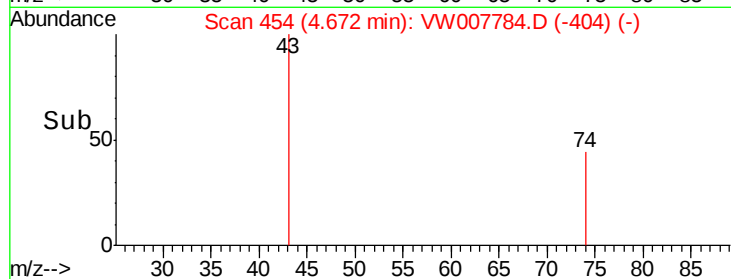
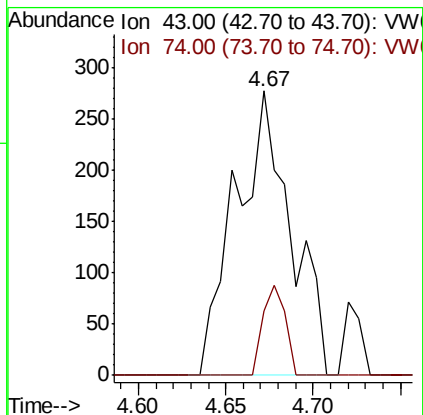
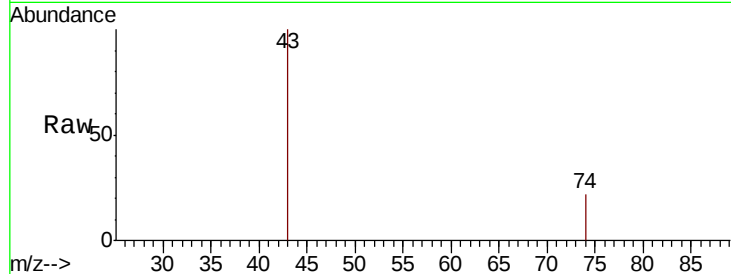




#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

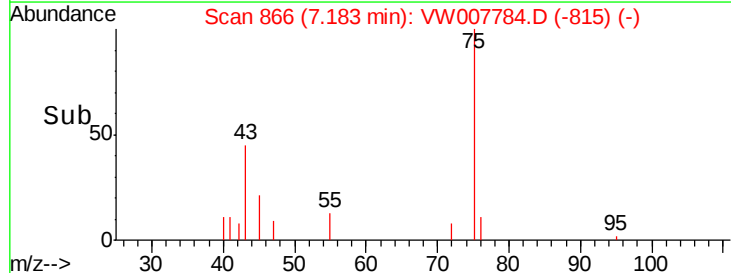
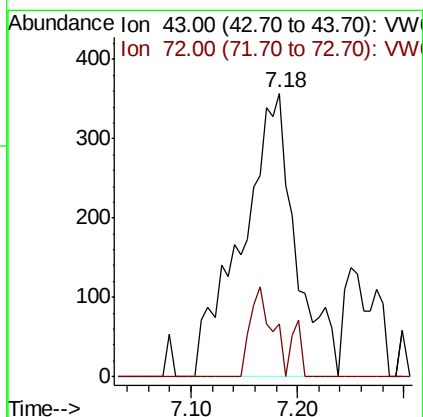
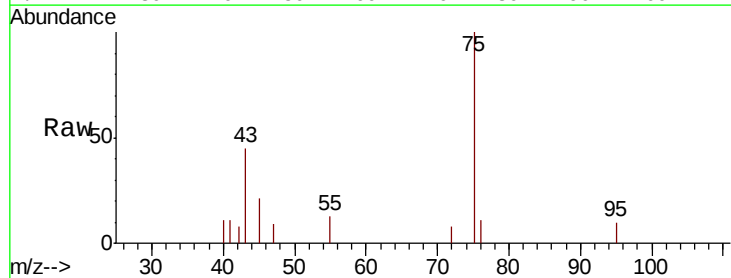
Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0006-01

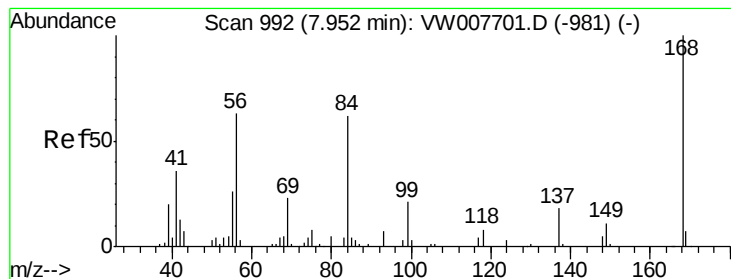
Tot Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
74 12.6 22.7 34.1#



#25
2-Butanone
Concen: 8.220 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
72 18.8 24.5 36.7#





#31

Cyclohexane

Concen: 1.382 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0006-01

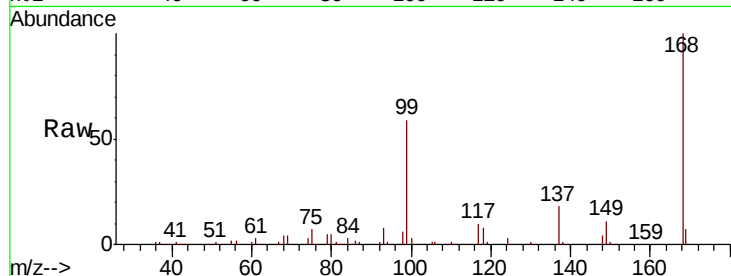
Tot Ion: 56 Resp: 1445

Ion Ratio Lower Upper

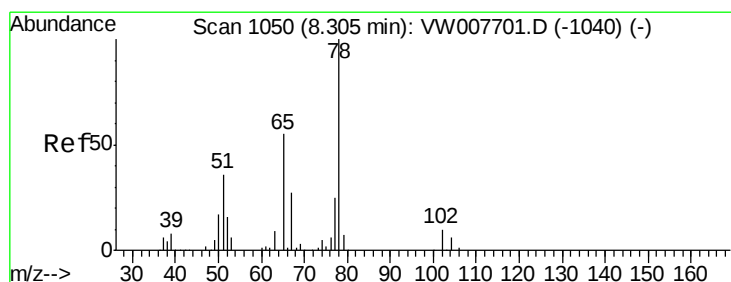
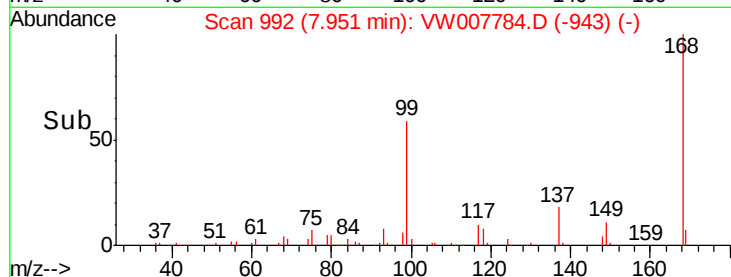
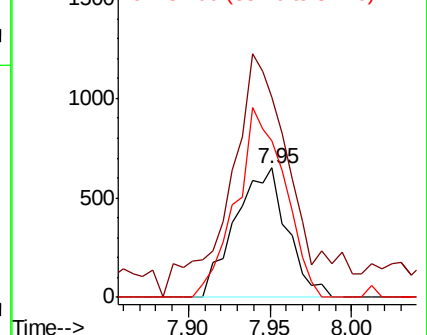
56 100

69 126.1 29.7 44.5#

84 121.2 78.9 118.3#



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: 48.730 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007784.D

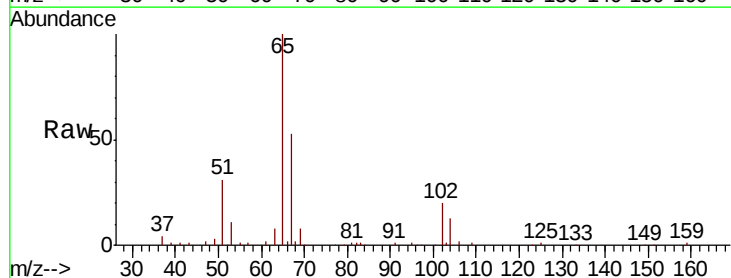
Acq: 21 Dec 2018 09:58

Tgt Ion: 65 Resp: 34218

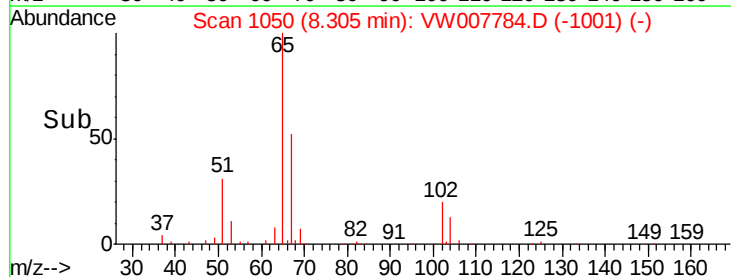
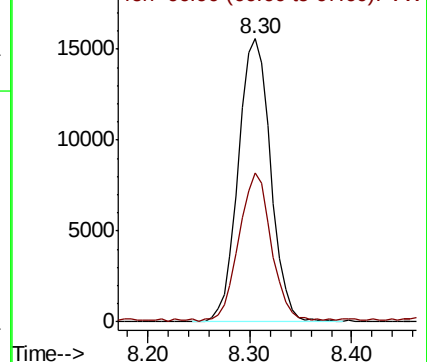
Ion Ratio Lower Upper

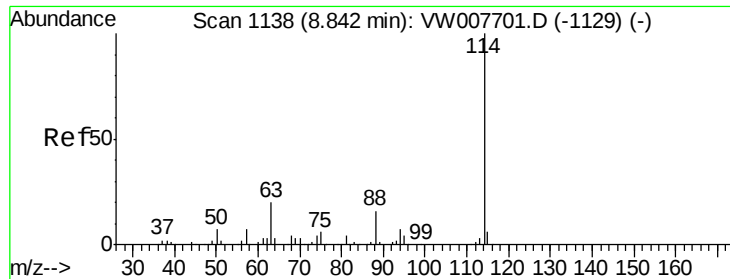
65 100

67 51.9 0.0 100.6



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

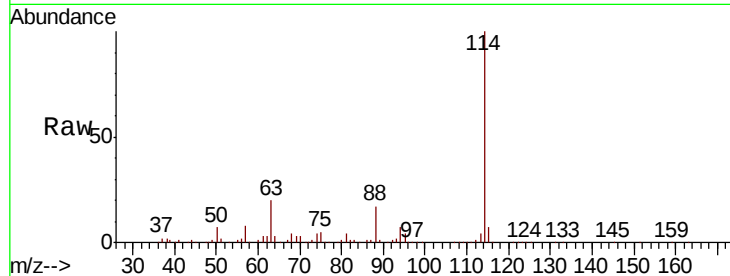




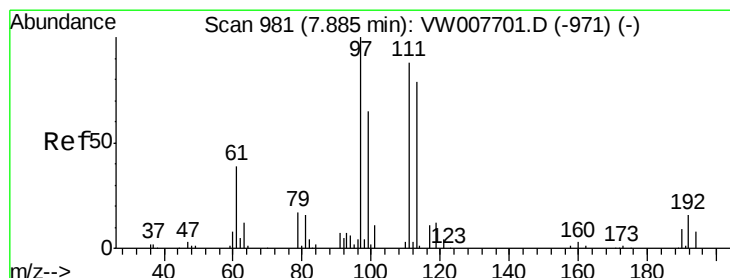
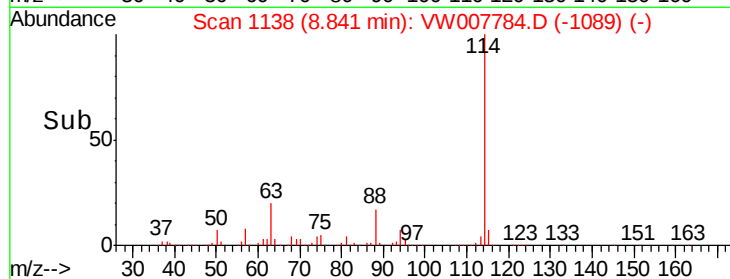
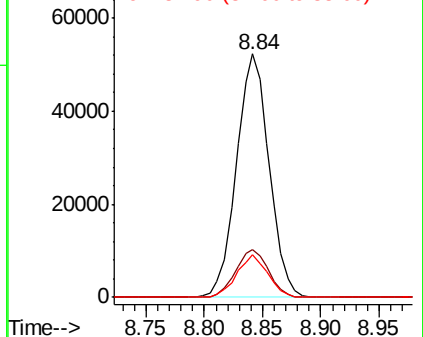
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007784.D
 Acq: 21 Dec 2018 09:58

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS014-0006-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	17.4	0.0	32.6

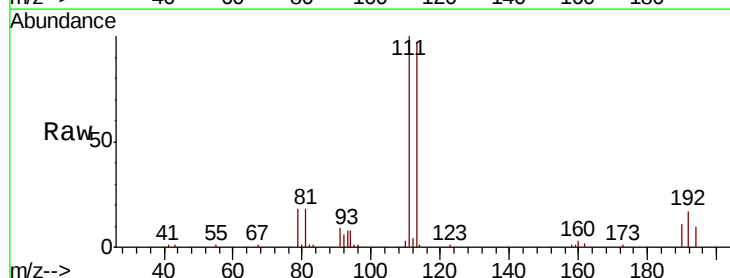


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

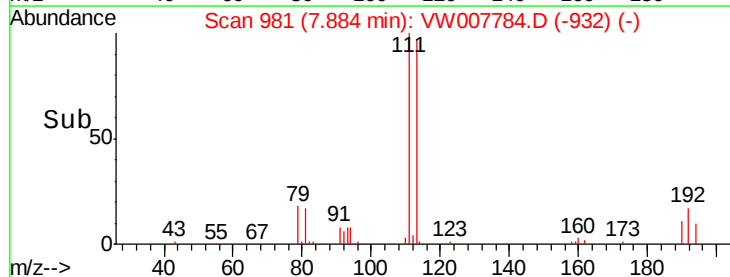
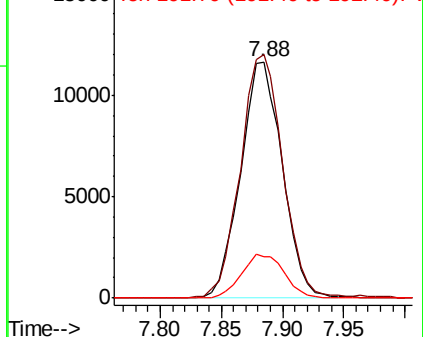


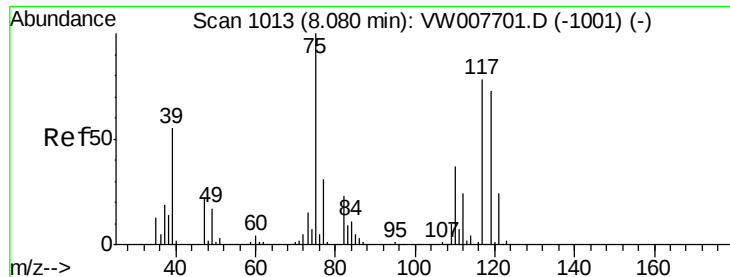
#35
 Dibromofluoromethane
 Concen: 44.304 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007784.D
 Acq: 21 Dec 2018 09:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	124.0
192	18.8	15.5	23.3



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: 4.797 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0006-01

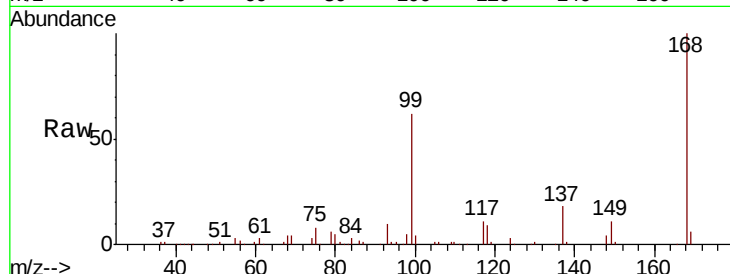
Tot Ion: 75 Resp: 4723

Ion Ratio Lower Upper

75 100

110 14.9 18.6 55.8#

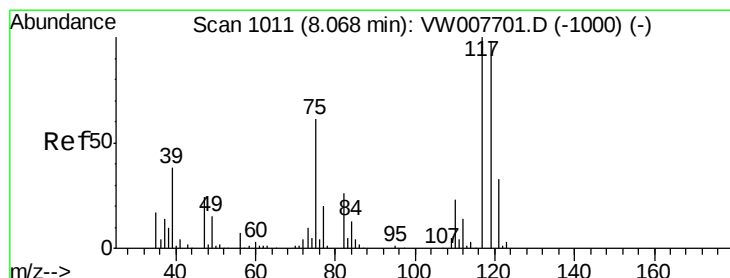
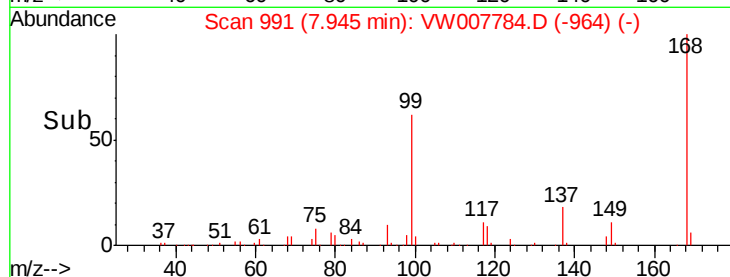
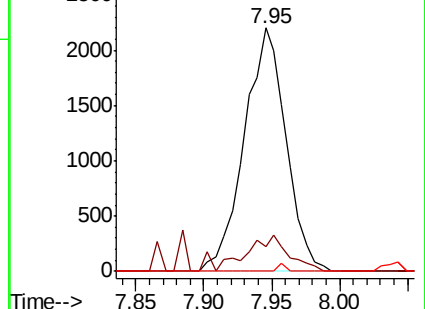
77 0.6 25.0 37.4#



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: 5.830 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

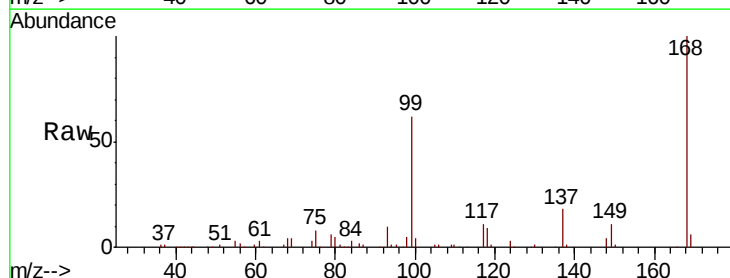
Tgt Ion: 117 Resp: 6759

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

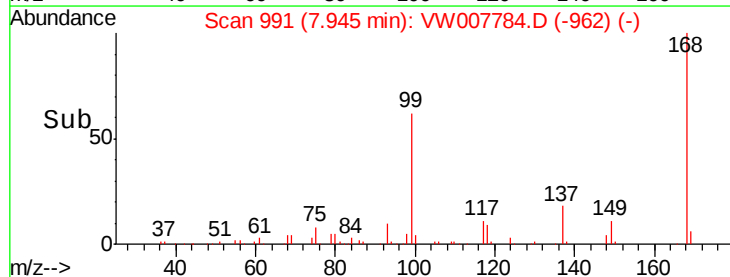
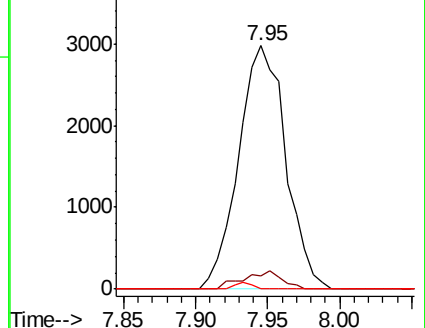
121 0.0 26.1 39.1#

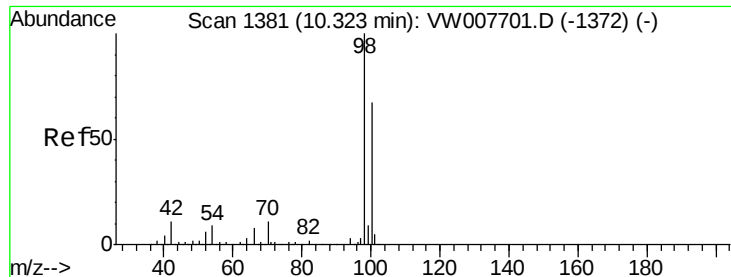


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 33.386 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

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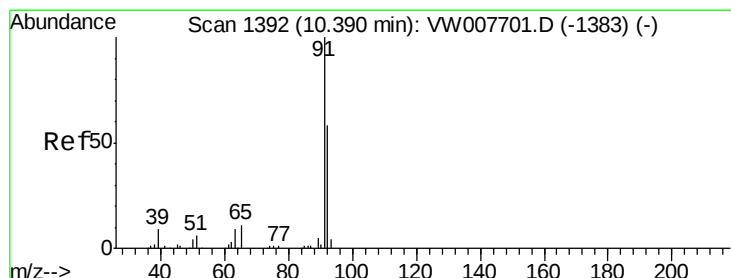
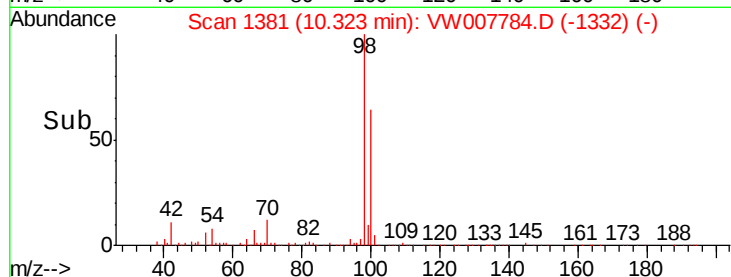
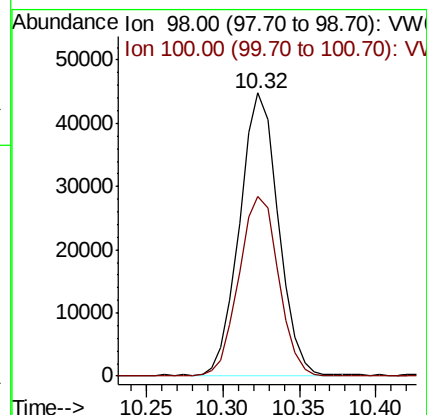
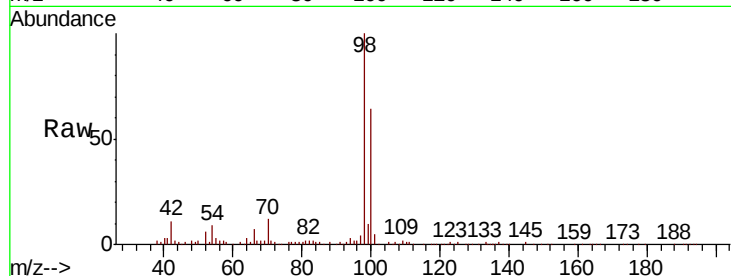
P001-SS014-0006-01

Tot Ion: 98 Resp: 78317

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#52

Toluene

Concen: 22.074 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007784.D

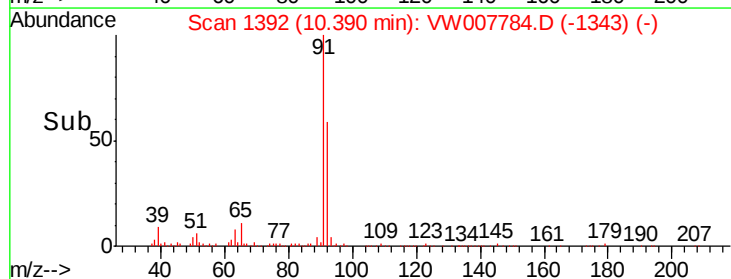
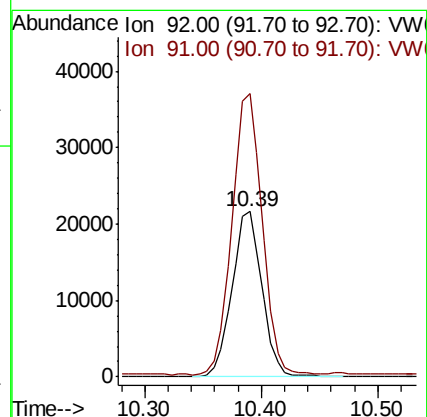
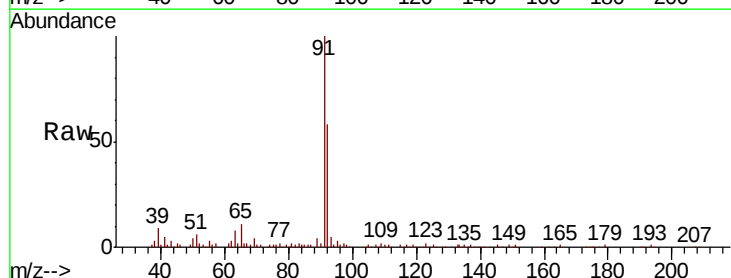
Acq: 21 Dec 2018 09:58

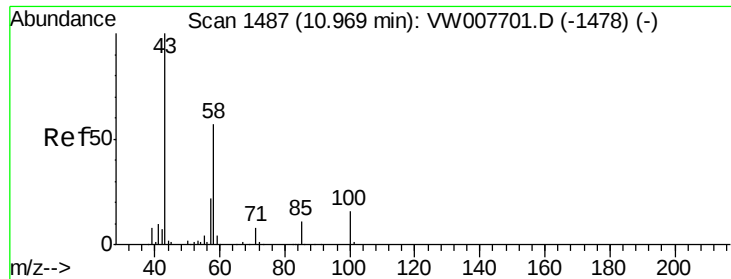
Tgt Ion: 92 Resp: 38907

Ion Ratio Lower Upper

92 100

91 170.5 137.0 205.4





#59

2-Hexanone

Concen: 1.048 ug/l

RT: 11.10 min Scan# 1509

Delta R.T. 0.13 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument:

MSVOA_W

ClientSampleId:

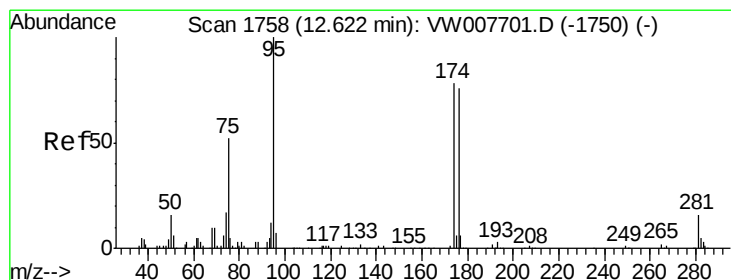
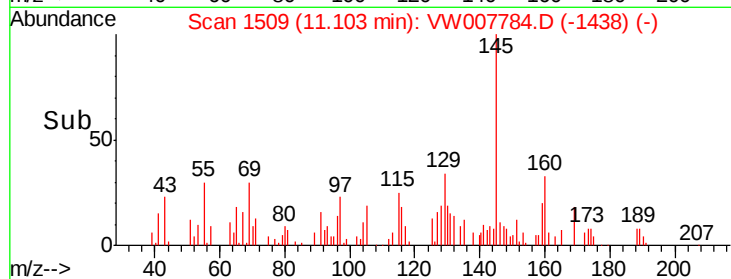
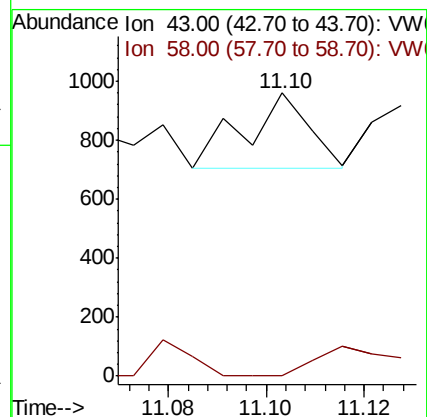
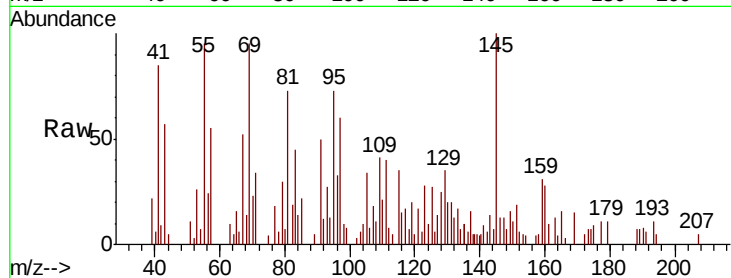
P001-SS014-0006-01

Tot Ion: 43 Resp: 237

Ion Ratio Lower Upper

43 100

58 46.0 27.7 83.1



#62

4-Bromofluorobenzene

Concen: 26.509 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

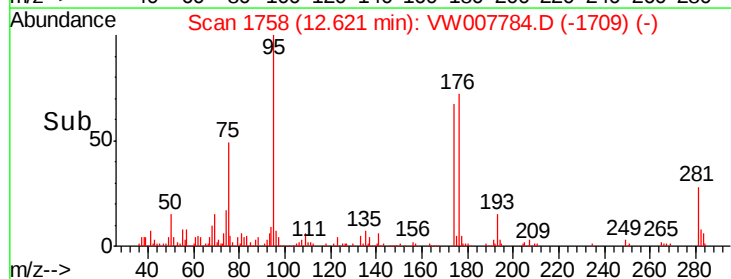
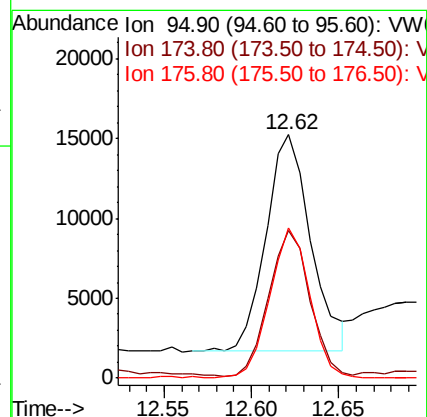
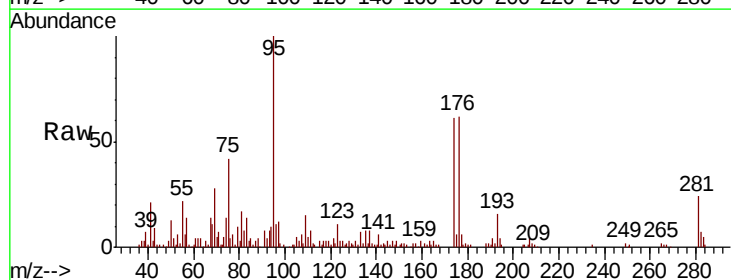
Tgt Ion: 95 Resp: 24023

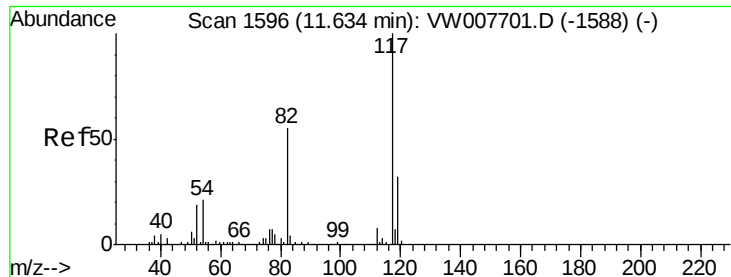
Ion Ratio Lower Upper

95 100

174 61.8 0.0 152.2

176 62.4 0.0 146.8

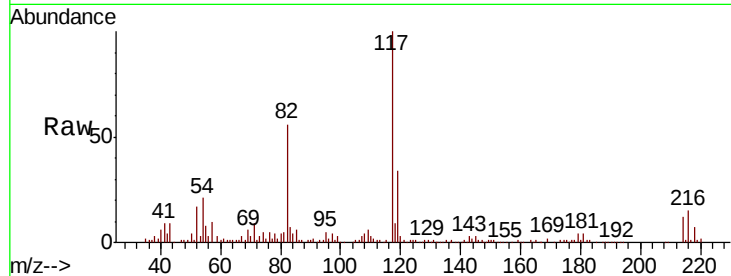




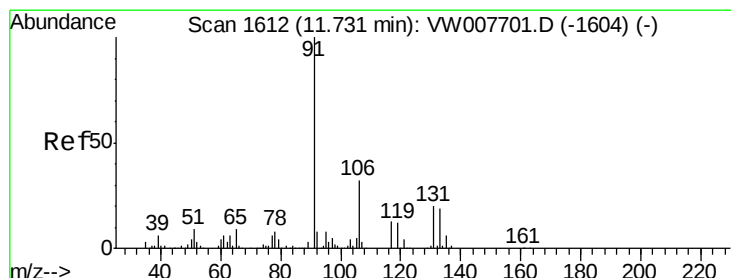
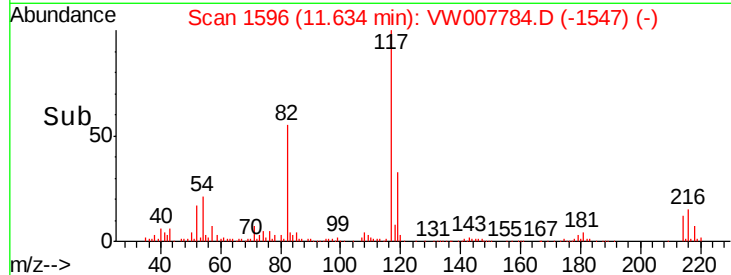
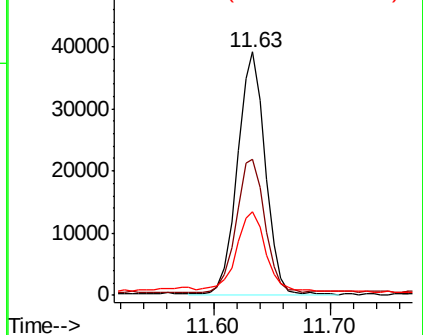
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0006-01

Tot Ion:117 Resp: 64530
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 33.0 25.7 38.5

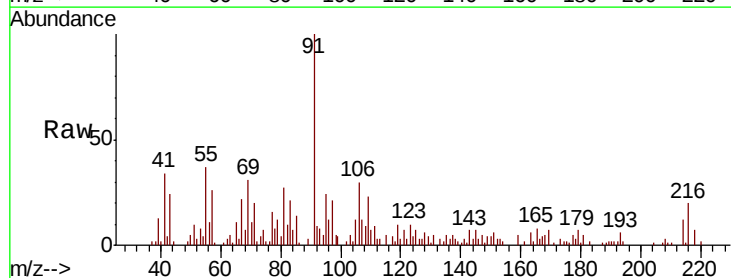


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

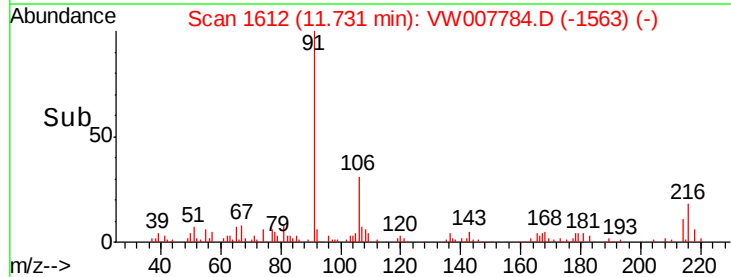
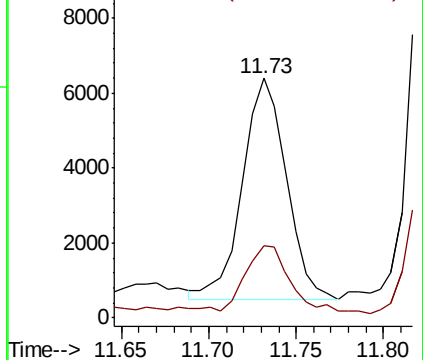


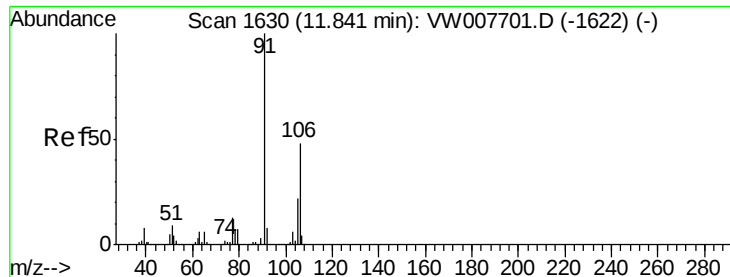
#67
Ethyl Benzene
Concen: 4.322 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

Tgt Ion: 91 Resp: 10358
Ion Ratio Lower Upper
91 100
106 29.4 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 29.622 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

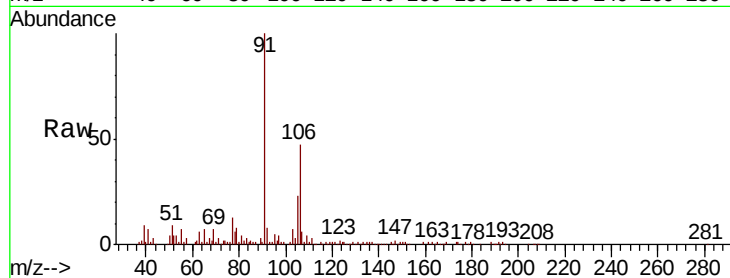
P001-SS014-0006-01

Tot Ion:106 Resp: 27540

Ion Ratio Lower Upper

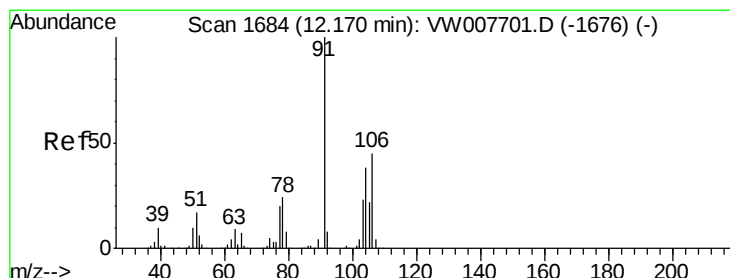
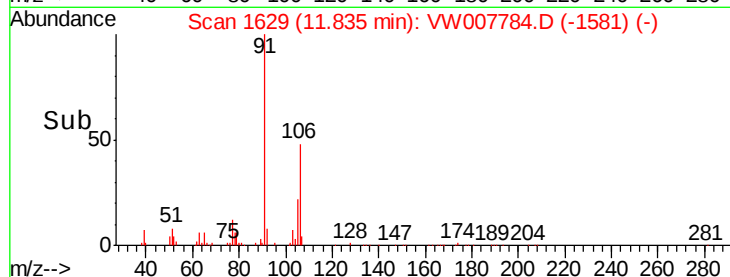
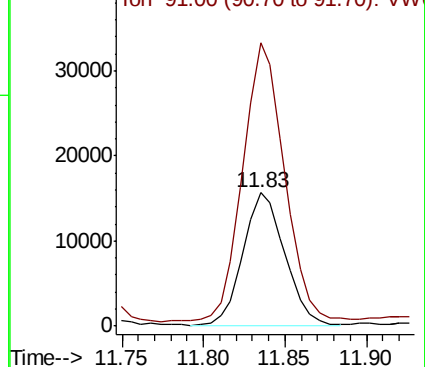
106 100

91 214.2 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 10.119 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007784.D

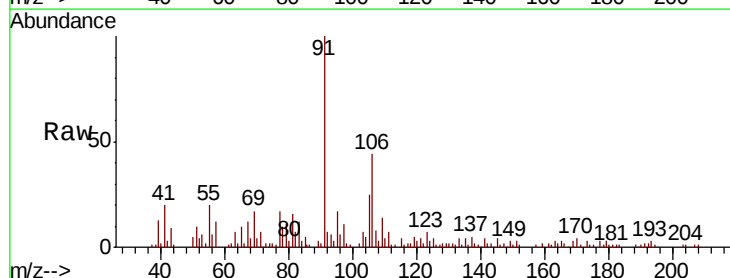
Acq: 21 Dec 2018 09:58

Tgt Ion:106 Resp: 8819

Ion Ratio Lower Upper

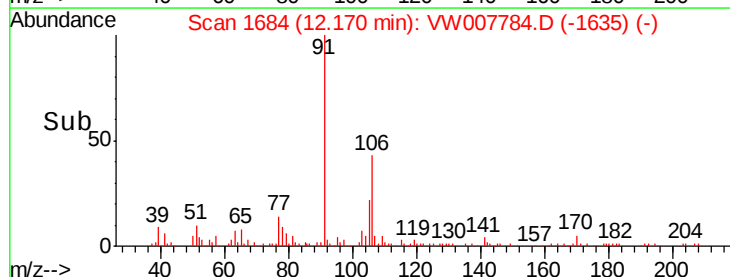
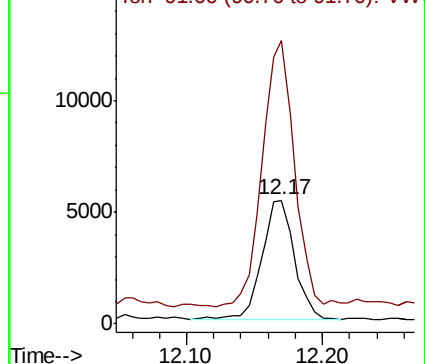
106 100

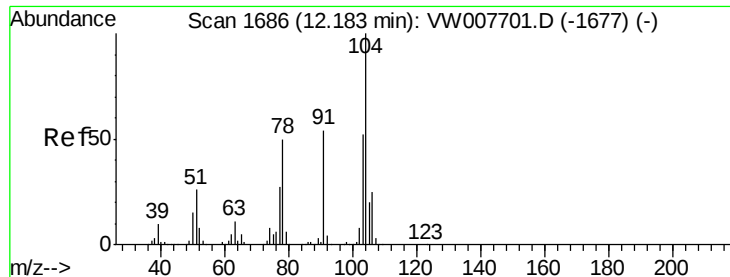
91 223.4 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

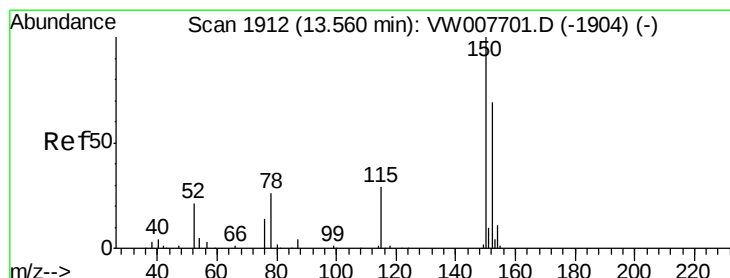
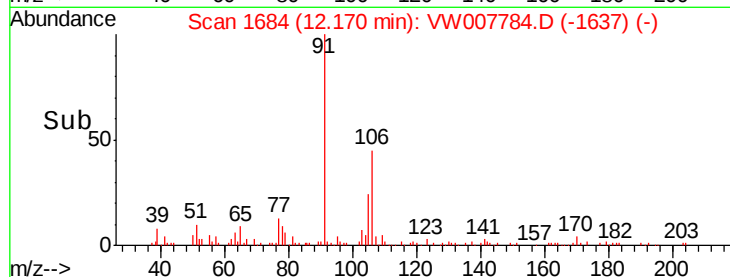
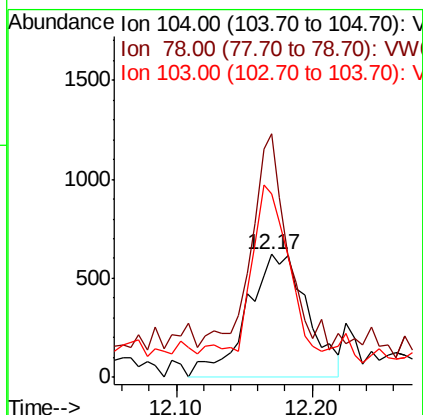
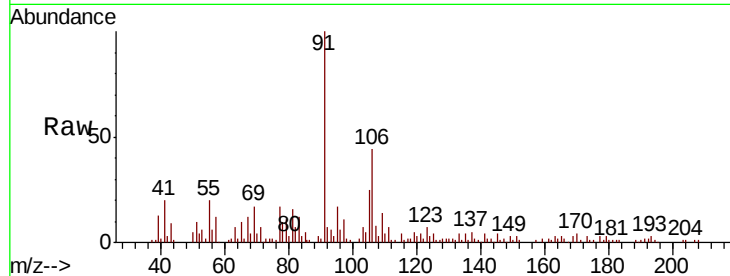




#70
Stvrene
Concen: 1.355 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

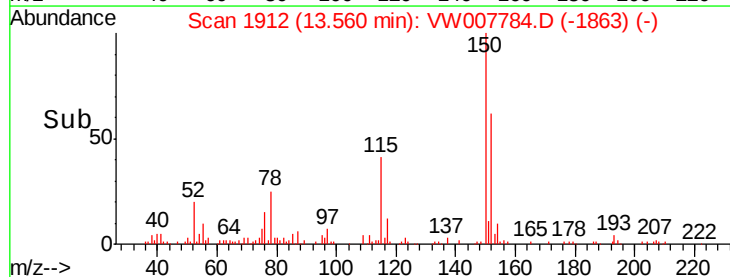
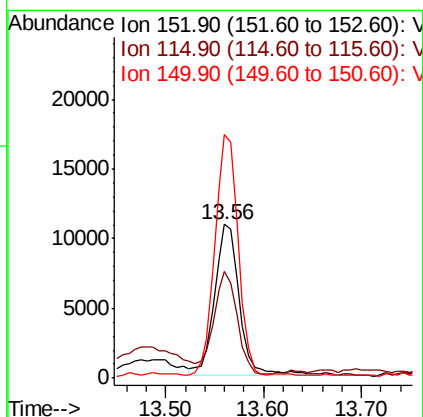
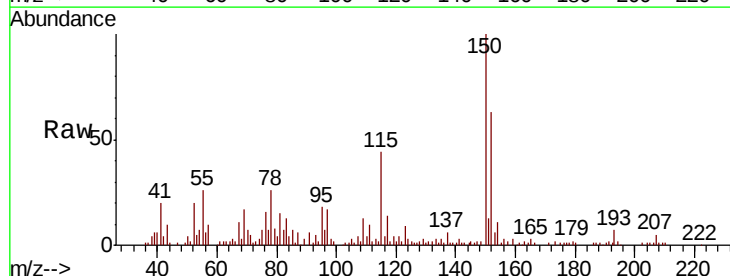
Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0006-01

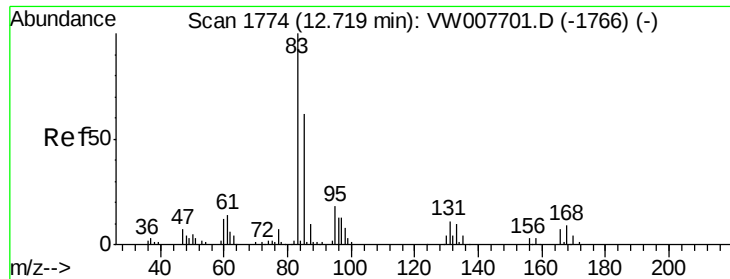
Tot Ion:104 Resp: 1941
Ion Ratio Lower Upper
104 100
78 96.4 43.4 65.0#
103 77.8 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

Tgt Ion:152 Resp: 18838
Ion Ratio Lower Upper
152 100
115 64.2 31.8 95.4
150 150.4 0.0 350.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.813 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.04 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0006-01

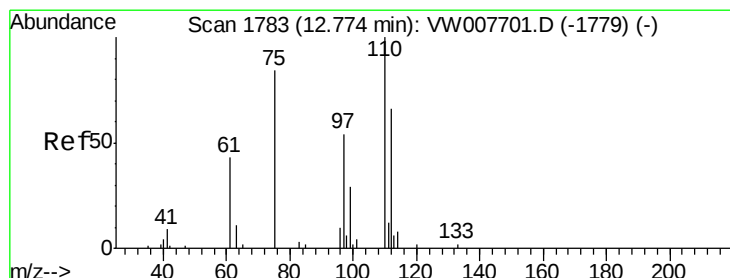
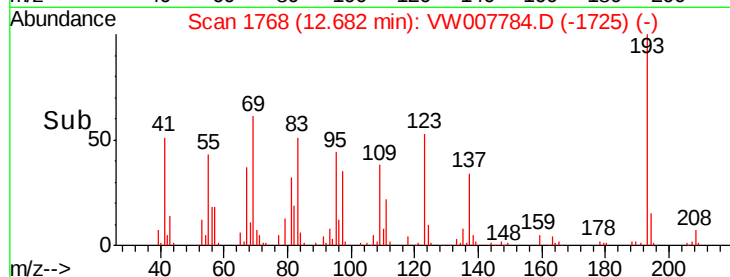
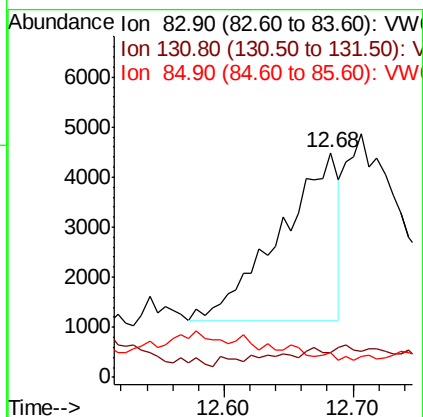
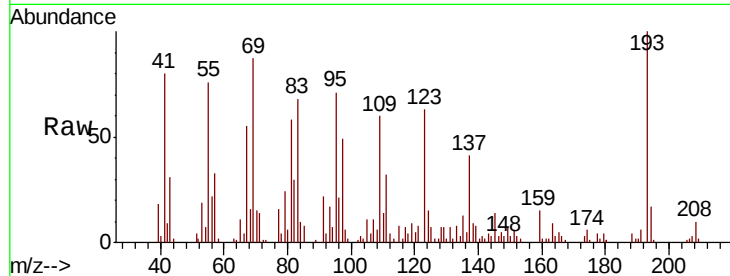
Tot Ion: 83 Resp: 10635

Ion Ratio Lower Upper

83 100

131 1.3 6.3 18.8#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 4.677 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.10 min

Lab File: VW007784.D

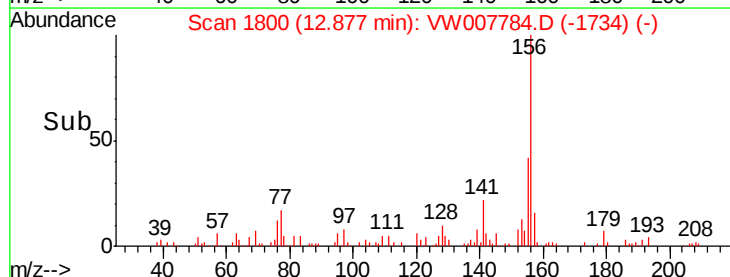
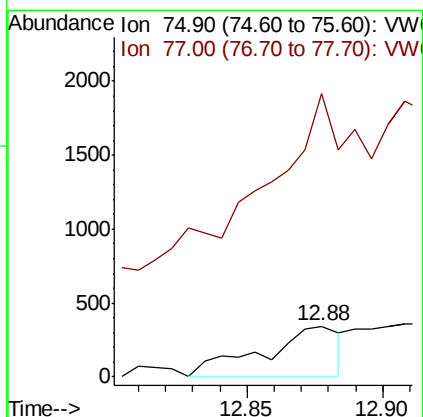
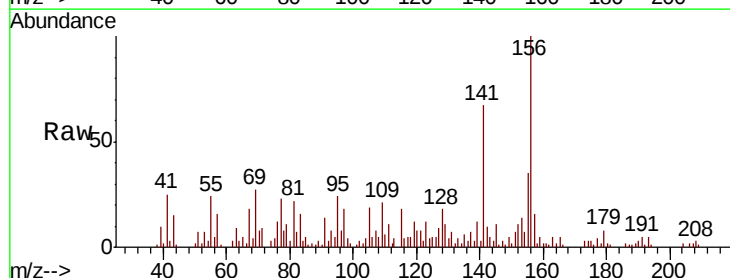
Acq: 21 Dec 2018 09:58

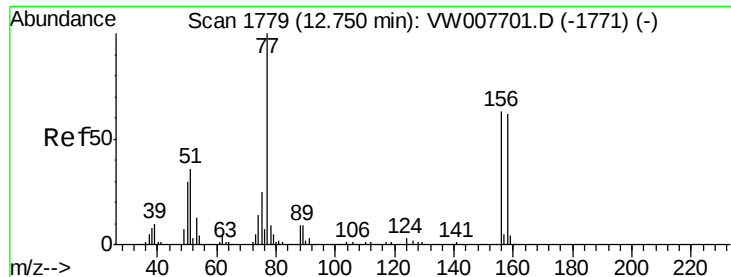
Tgt Ion: 75 Resp: 681

Ion Ratio Lower Upper

75 100

77 419.2 0.0 0.0#





#77

Bromobenzene

Concen: 244.457 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0006-01

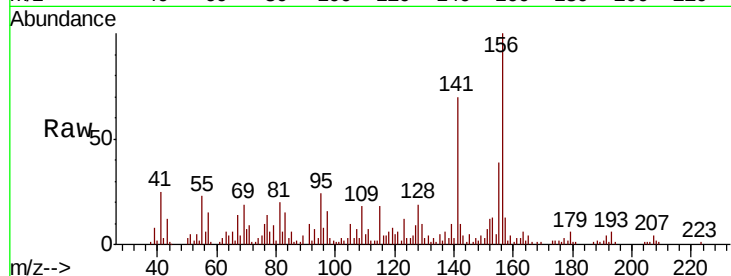
Tot Ion:156 Resp: 79774

Ion Ratio Lower Upper

156 100

77 0.0 87.4 262.1#

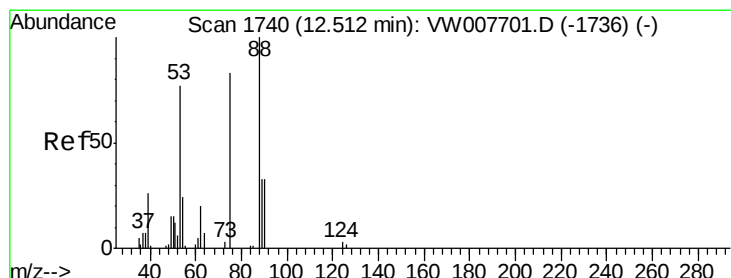
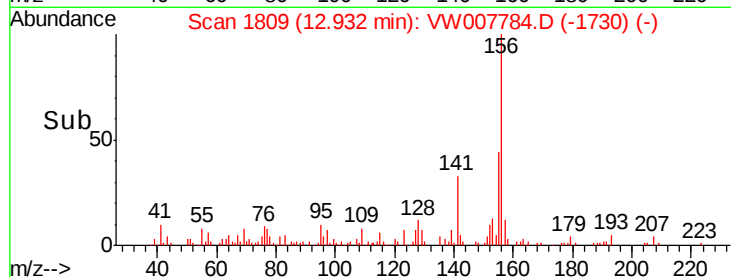
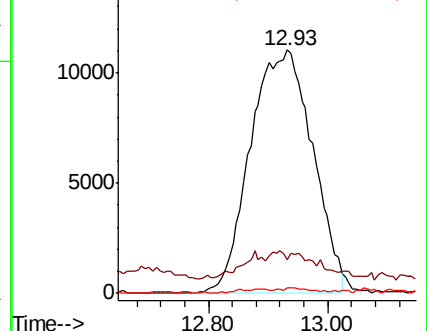
158 0.5 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 148.564 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

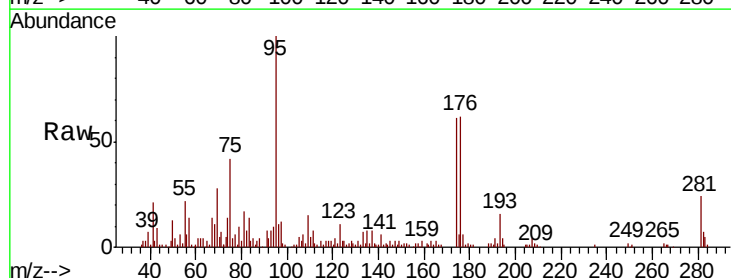
Tgt Ion: 75 Resp: 10305

Ion Ratio Lower Upper

75 100

53 3.1 80.2 120.2#

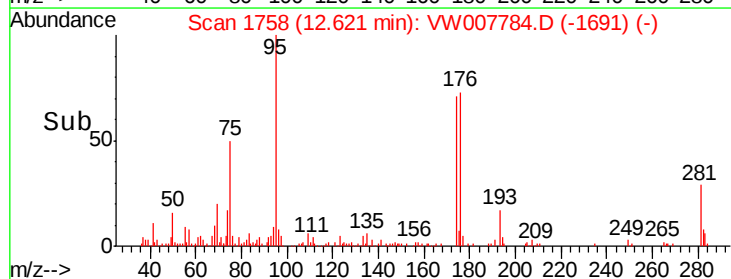
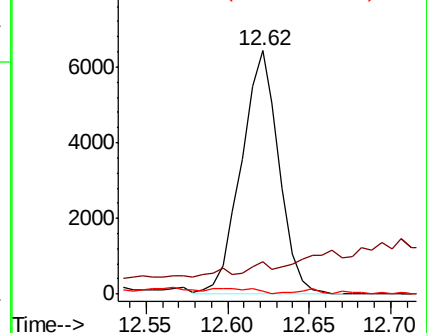
89 0.0 39.2 58.8#

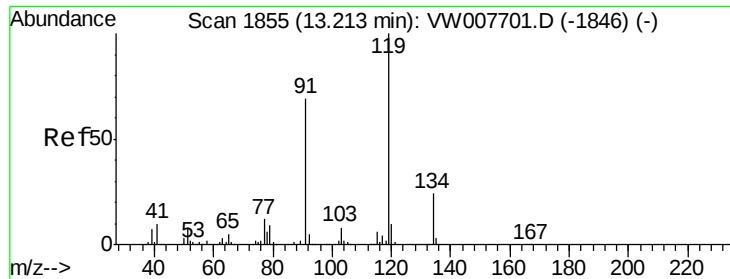


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#83

tert-Butylbenzene

Concen: 3.834 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW007784.D

Acq: 21 Dec 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

P001-SS014-0006-01

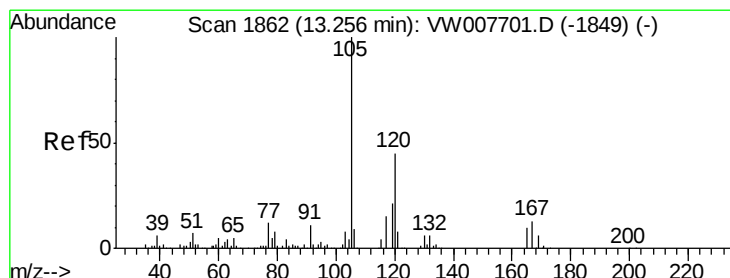
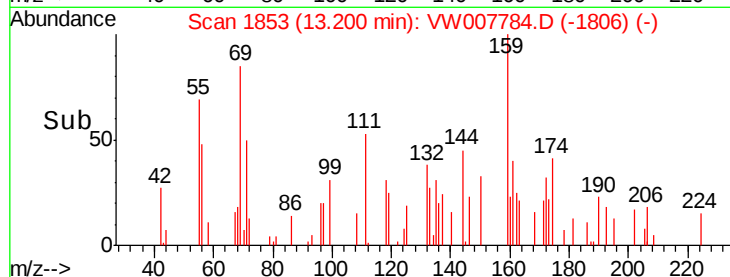
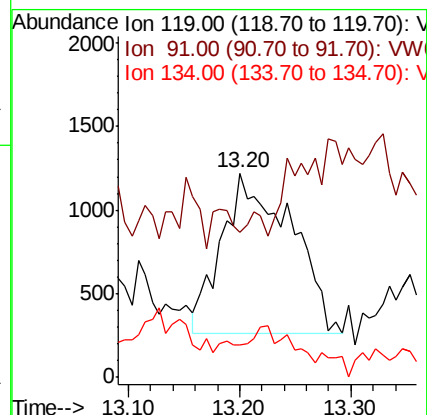
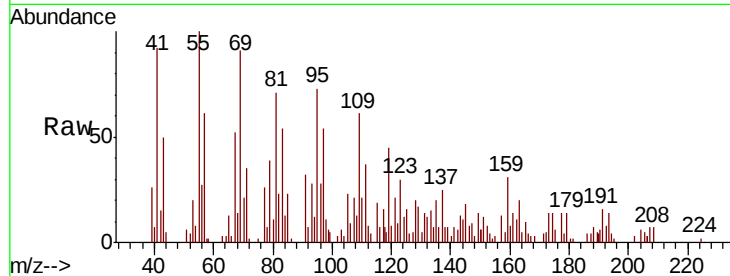
Tot Ion:119 Resp: 4132

Ion Ratio Lower Upper

119 100

91 2.9 34.2 102.5#

134 0.0 12.8 38.4#



#84

1,2,4-Trimethylbenzene

Concen: 2.828 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007784.D

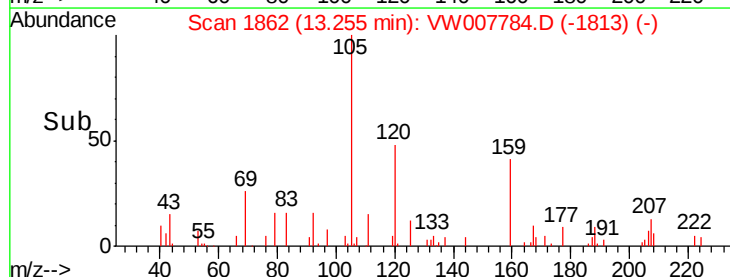
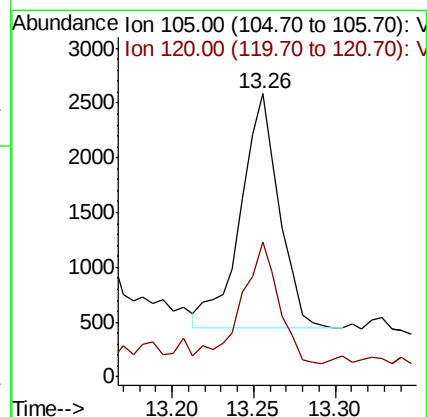
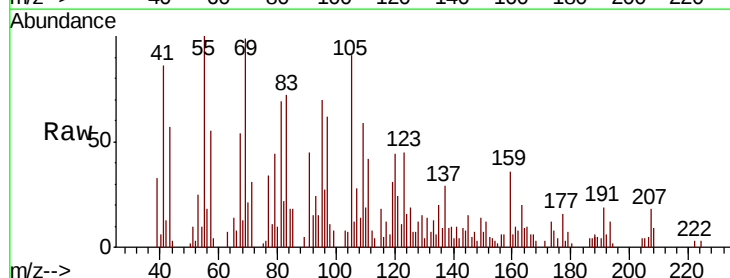
Acq: 21 Dec 2018 09:58

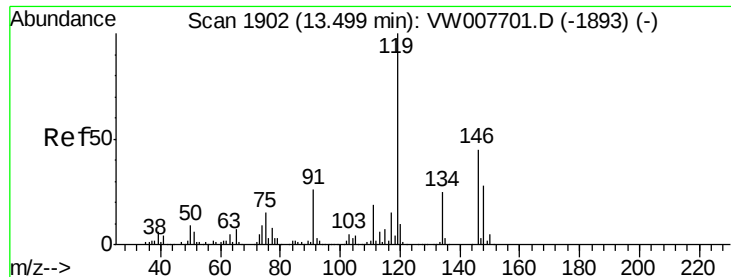
Tgt Ion:105 Resp: 3505

Ion Ratio Lower Upper

105 100

120 47.8 22.0 66.0

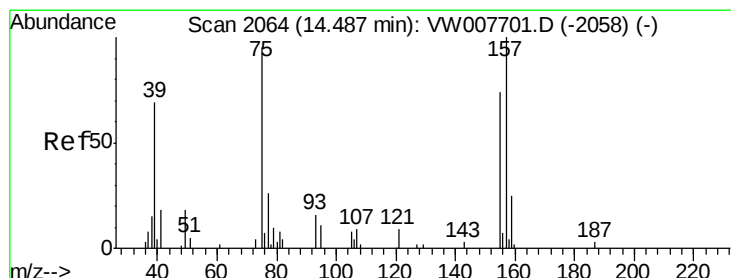
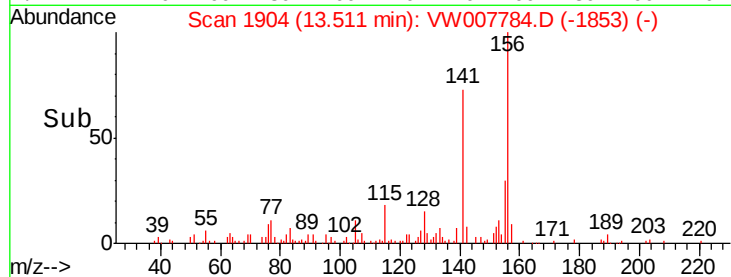
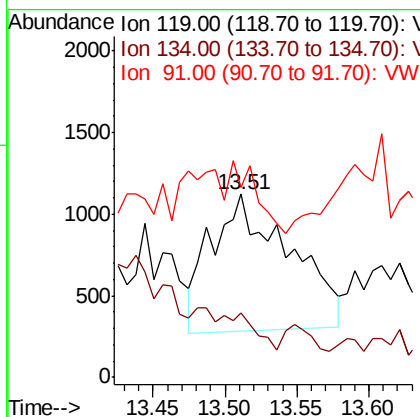
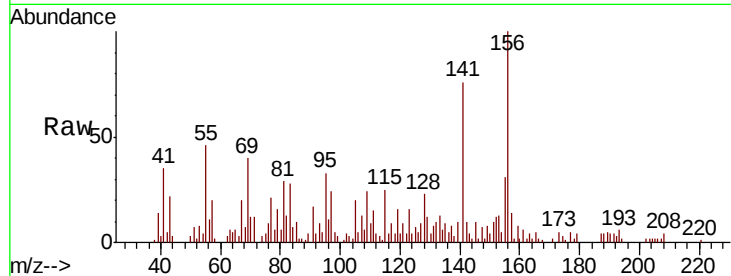




#86
p-Isopropyltoluene
Concen: 2.350 ug/l
RT: 13.51 min Scan# 1904
Delta R.T. 0.01 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

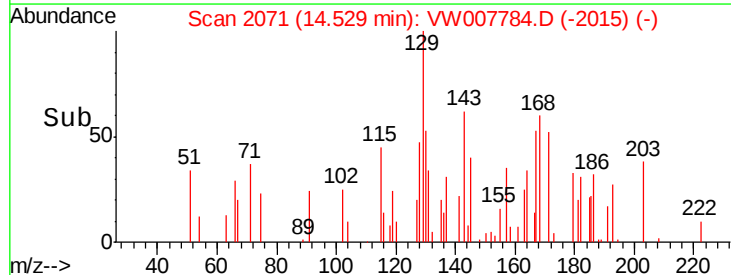
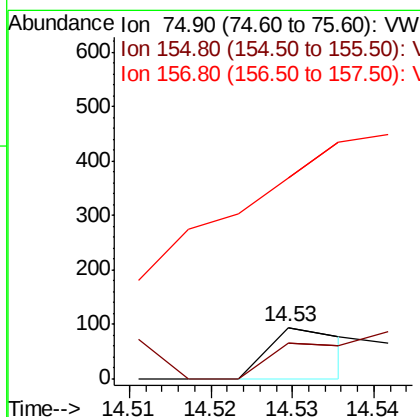
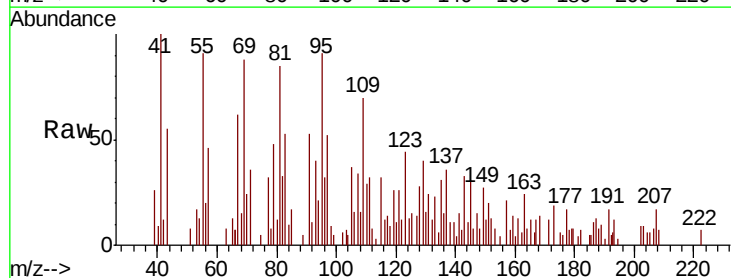
Instrument :
MSVOA_W
ClientSampleId :
P001-SS014-0006-01

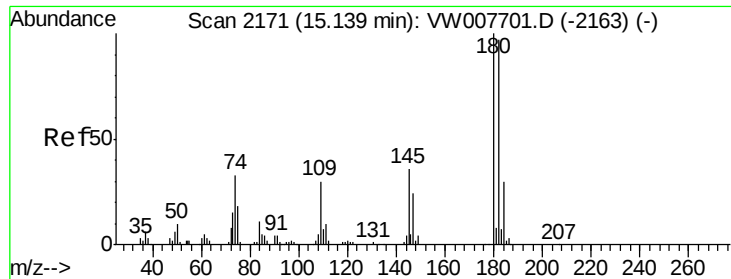
Tot Ion:119 Resp: 3174
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 17.5 12.8 38.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.437 ug/l
RT: 14.53 min Scan# 2071
Delta R.T. 0.04 min
Lab File: VW007784.D
Acq: 21 Dec 2018 09:58

Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 112.7 39.4 118.1
157 0.0 52.0 156.0#

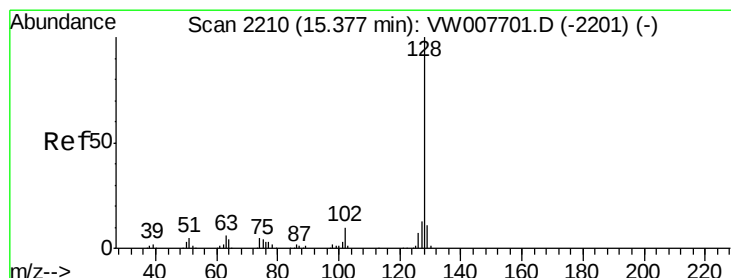
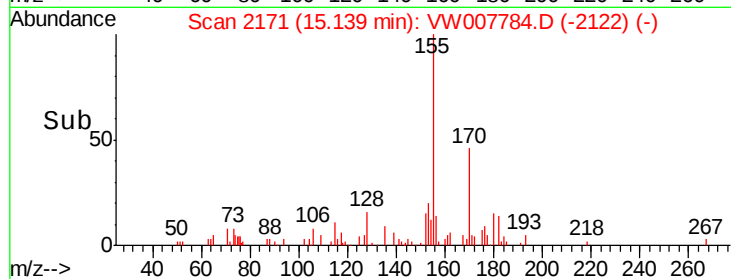
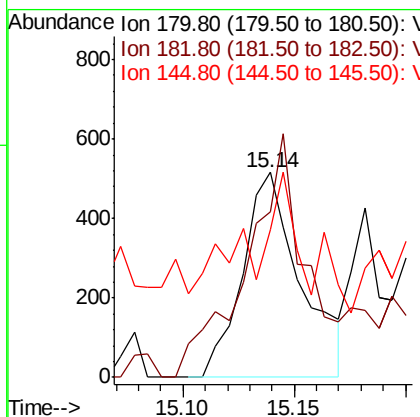
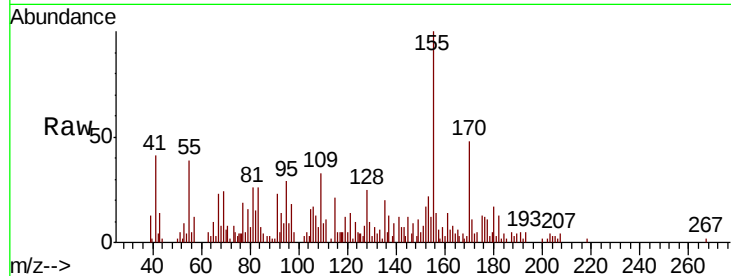




#93
 1,2,4-Trichlorobenzene
 Concen: 2.319 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007784.D
 Acq: 21 Dec 2018 09:58

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS014-0006-01

Tot Ion:180 Resp: 934
 Ion Ratio Lower Upper
 180 100
 182 118.7 47.5 142.6
 145 57.6 17.5 52.5#



#95
 Naphthalene
 Concen: 7.752 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007784.D
 Acq: 21 Dec 2018 09:58

Tgt Ion:128 Resp: 5771
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.7 16.1
 129 13.0 8.8 13.2

