

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004328.D
 Acq On : 29 Jul 2018 21:41
 Operator : SY/AP
 Sample : J4109-03
 Misc : 8.21G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12(3-5)

Quant Time: Jul 30 05:36:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

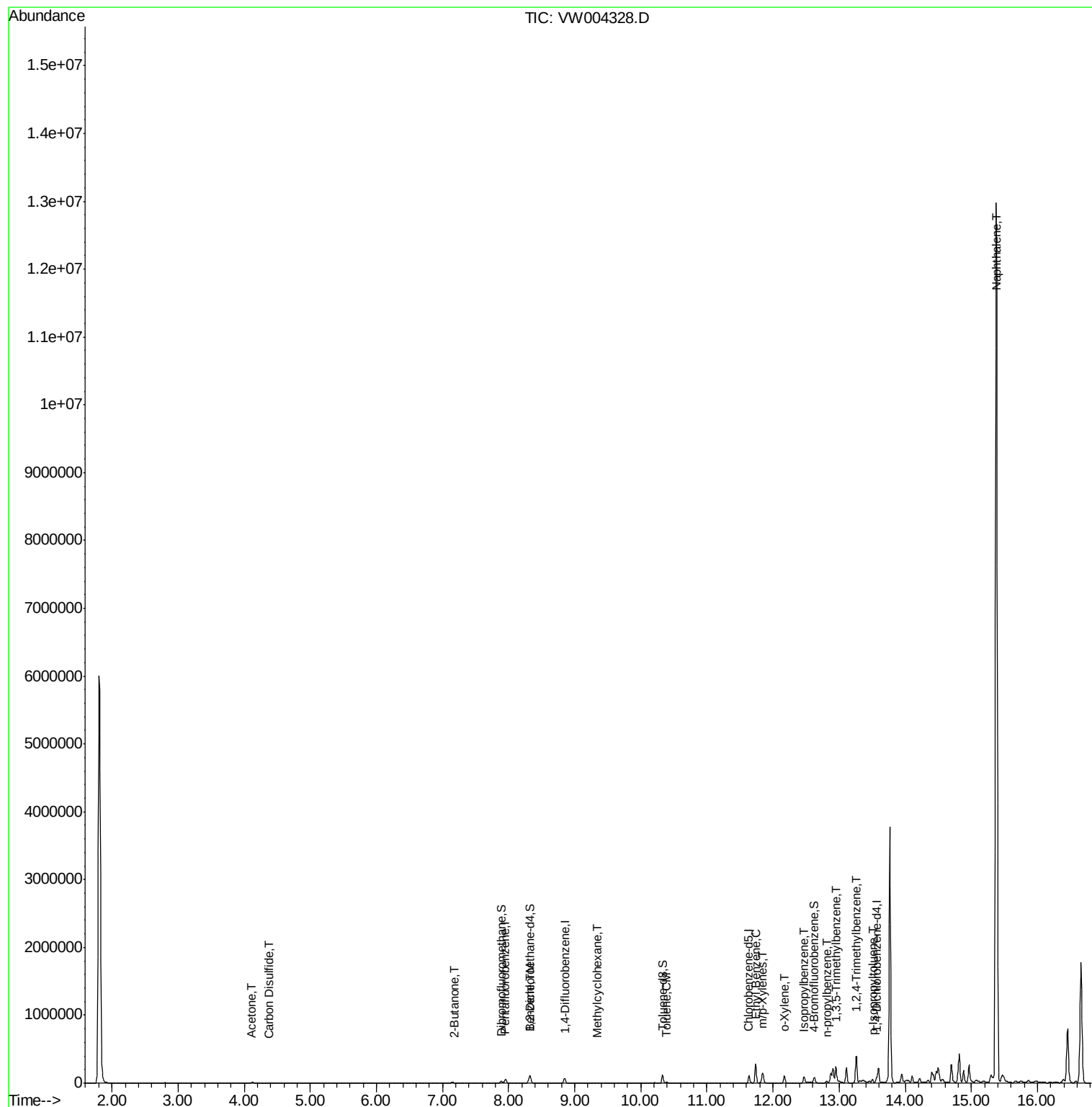
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	42549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	59948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	60219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	20481	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	26332	61.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.70%	
35) Dibromofluoromethane	7.88	113	23199	61.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.48%	
50) Toluene-d8	10.33	98	73212	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.62	95	26056	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
Target Compounds						
						Qvalue
16) Acetone	4.12	43	17861	174.35	ug/l	98
17) Carbon Disulfide	4.37	76	5266	4.59	ug/l	95
25) 2-Butanone	7.18	43	5847	49.05	ug/l	99
39) Methylcyclohexane	9.34	83	1348	1.87	ug/l #	88
40) Benzene	8.32	78	90950	53.91	ug/l	99
52) Toluene	10.39	92	7540	7.12	ug/l	97
67) Ethyl Benzene	11.74	91	185324	84.06	ug/l	99
68) m/p-Xylenes	11.84	106	45108	53.17	ug/l	99
69) o-Xylene	12.17	106	26857	34.26	ug/l	99
73) Isopropylbenzene	12.47	105	52676	37.09	ug/l	100
78) n-propylbenzene	12.81	91	20527	11.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	109669	89.64	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	220372	176.62	ug/l	100
86) p-Isopropyltoluene	13.51	119	20959	15.67	ug/l #	77
95) Naphthalene	15.38	128	10910884	14691.77	ug/l	99

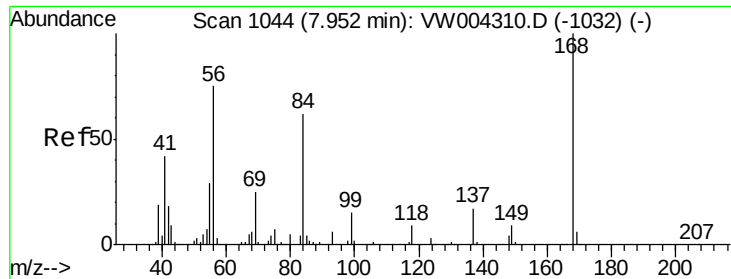
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

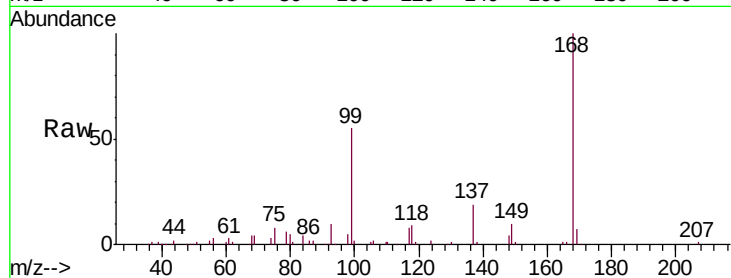
SB-12(3-5)

Tot Ion:168 Resp: 42549

Ion Ratio Lower Upper

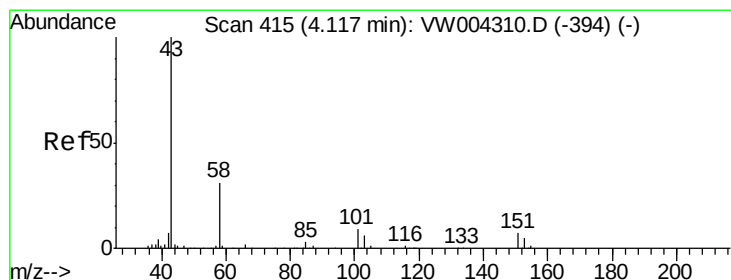
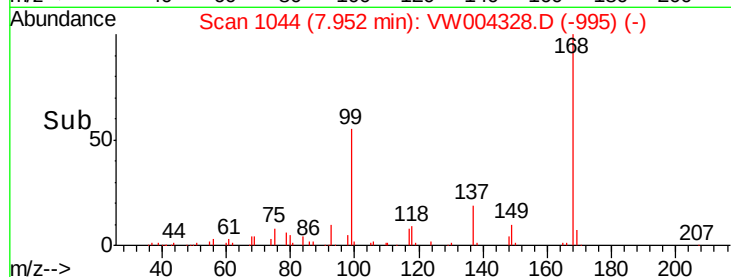
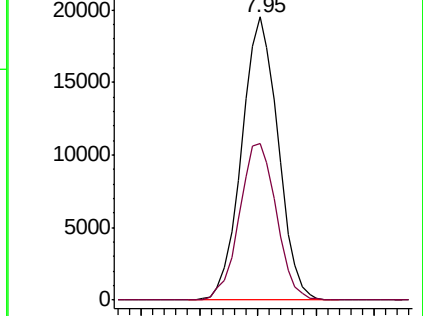
168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 174.35 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004328.D

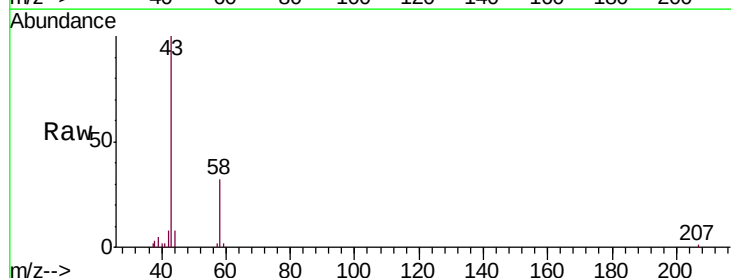
Acq: 29 Jul 2018 21:41

Tgt Ion: 43 Resp: 17861

Ion Ratio Lower Upper

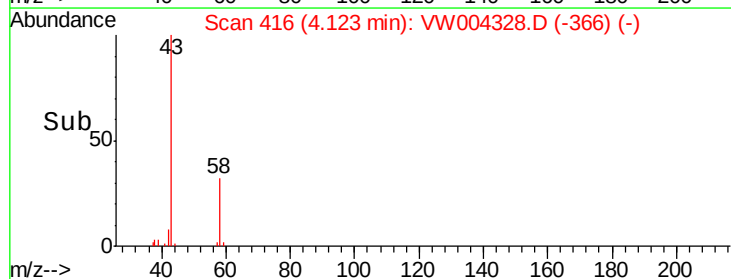
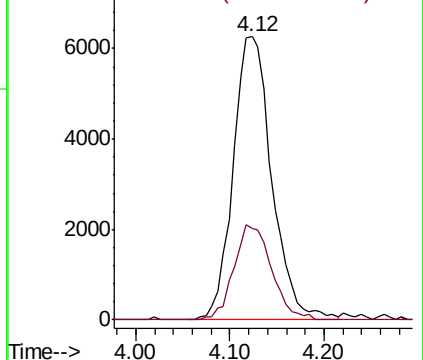
43 100

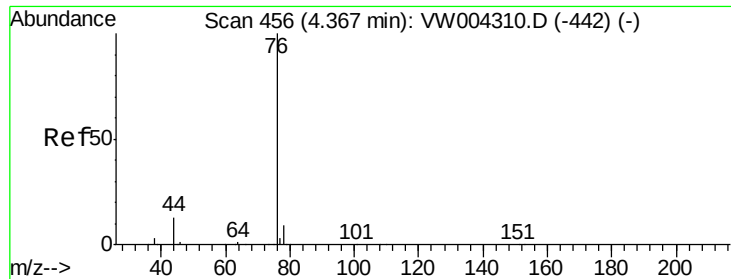
58 32.3 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

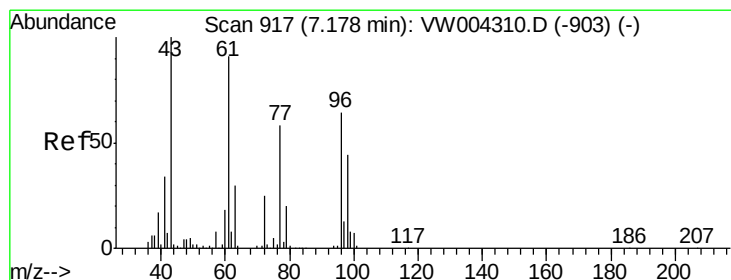
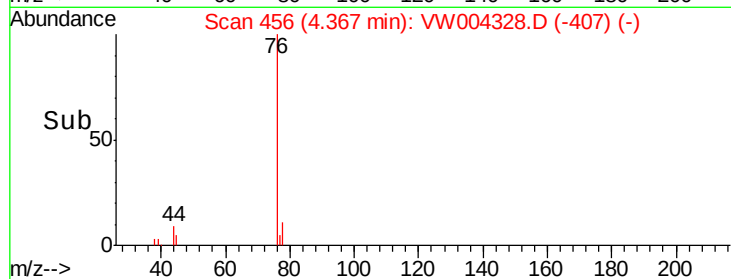
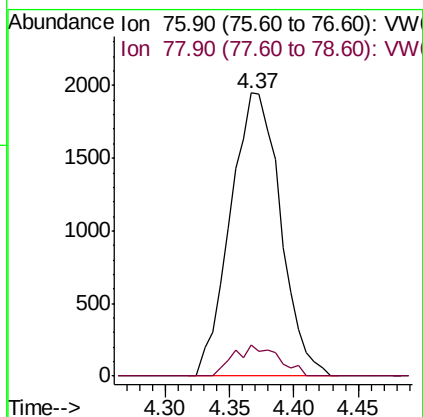
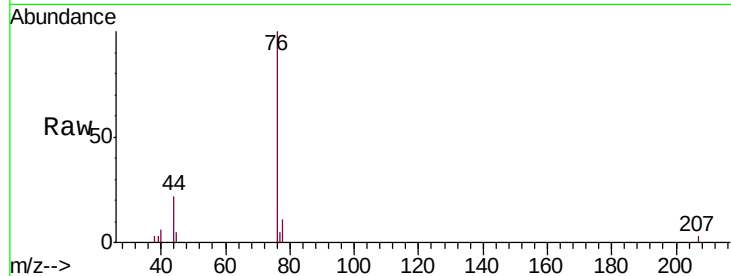




#17
Carbon Disulfide
Concen: 4.59 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

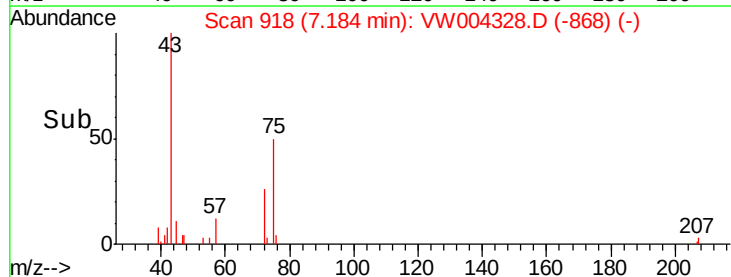
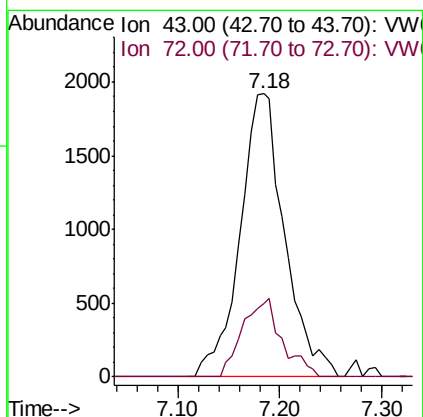
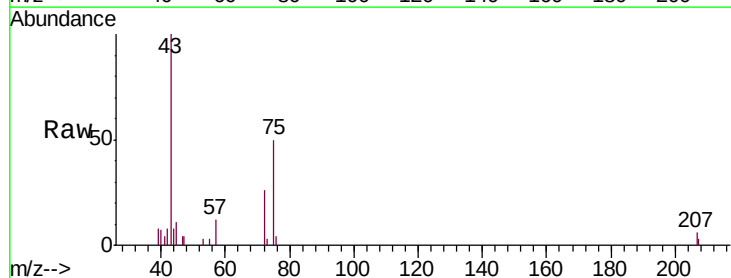
Instrument :
MSVOA_W
ClientSampleId :
SB-12(3-5)

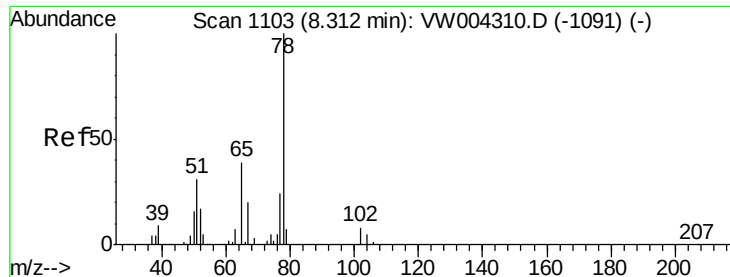
Tot Ion: 76 Resp: 5266
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0



#25
2-Butanone
Concen: 49.05 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

Tgt Ion: 43 Resp: 5847
Ion Ratio Lower Upper
43 100
72 25.8 20.3 30.5

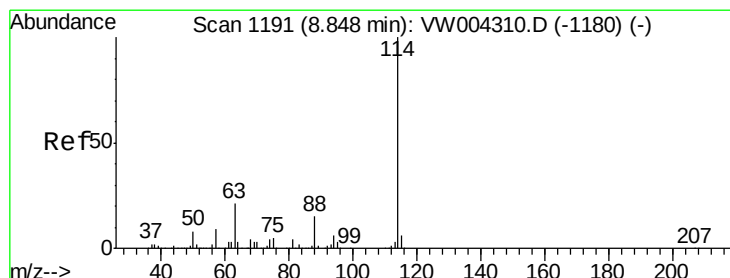
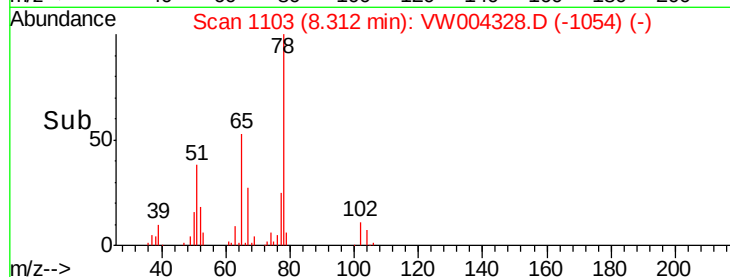
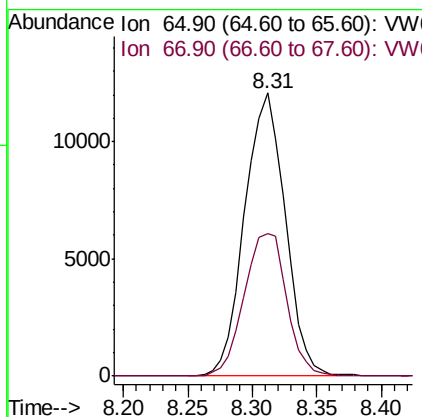
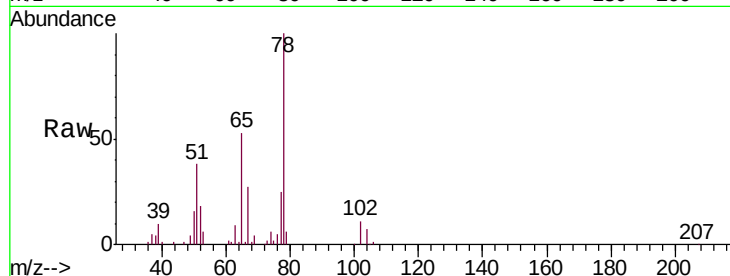




#33
 1,2-Dichloroethane-d4
 Concen: 61.35 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004328.D
 Acq: 29 Jul 2018 21:41

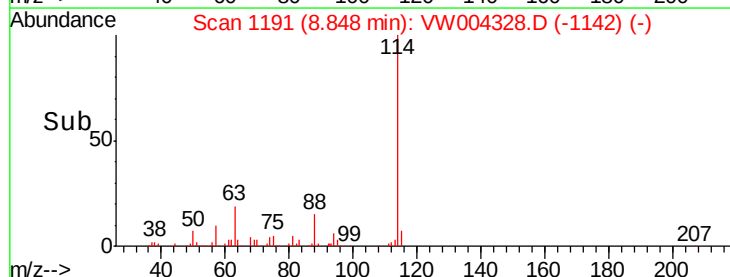
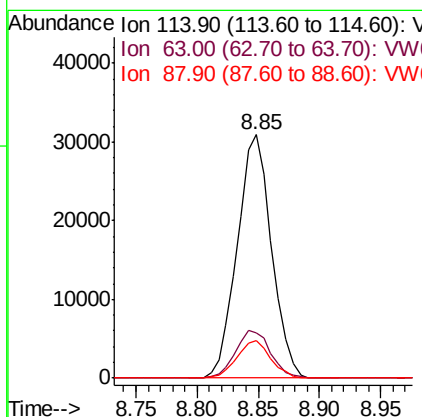
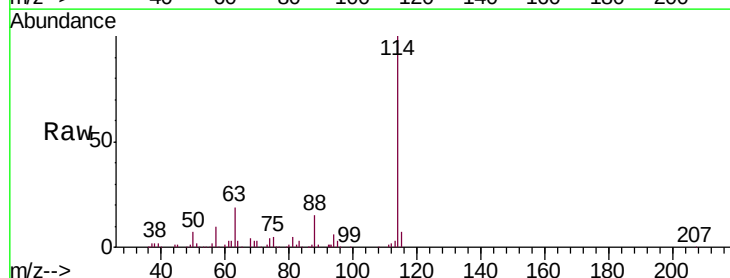
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12(3-5)

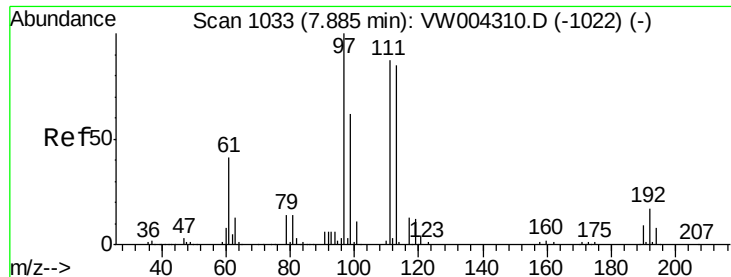
Tot Ion: 65 Resp: 26332
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004328.D
 Acq: 29 Jul 2018 21:41

Tgt Ion: 114 Resp: 59948
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 61.24 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

SB-12(3-5)

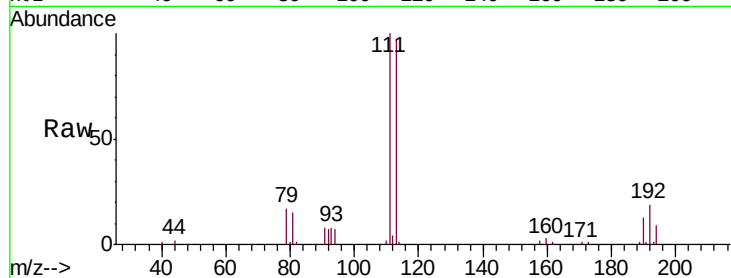
Tot Ion:113 Resp: 23199

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

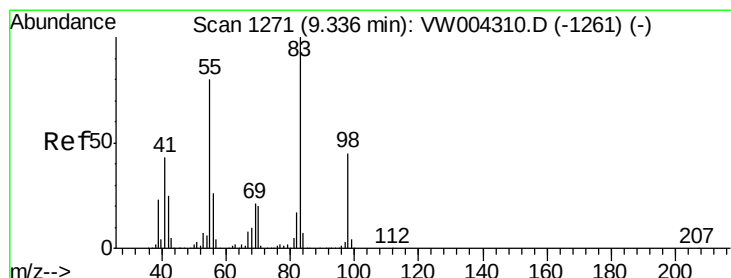
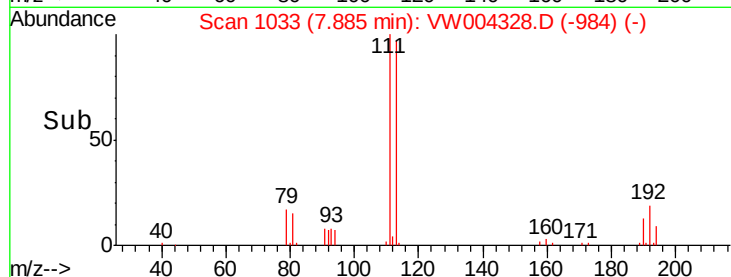
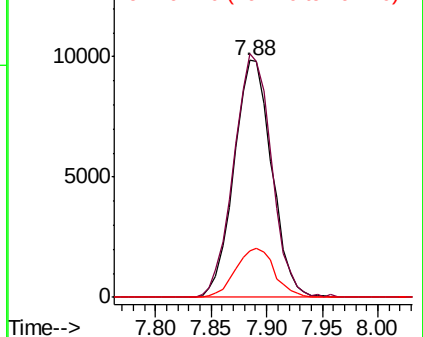
192 21.3 16.2 24.4



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



#39

Methylcyclohexane

Concen: 1.87 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

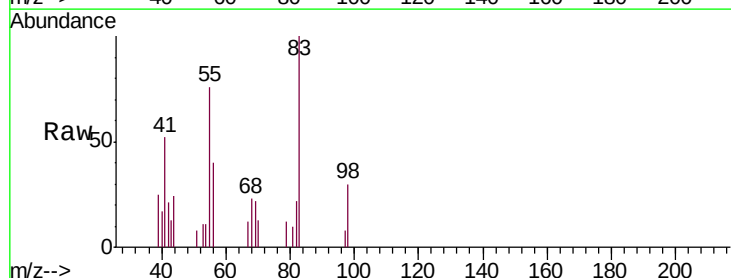
Tgt Ion: 83 Resp: 1348

Ion Ratio Lower Upper

83 100

55 75.6 64.3 96.5

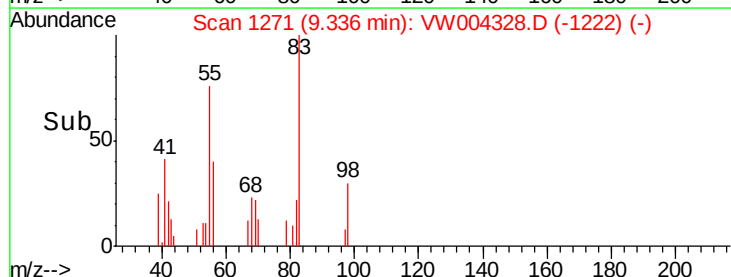
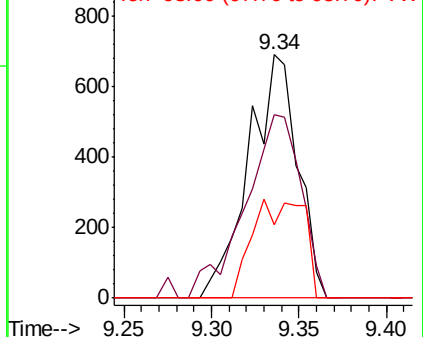
98 29.9 36.3 54.5#

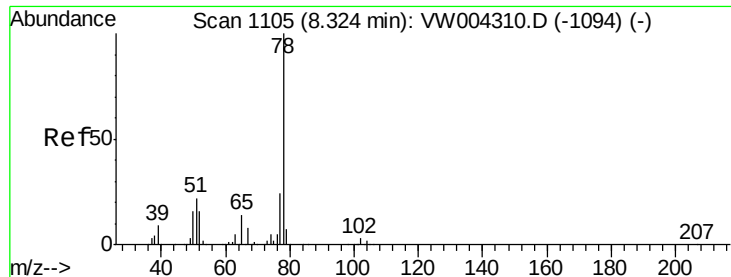


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 53.91 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

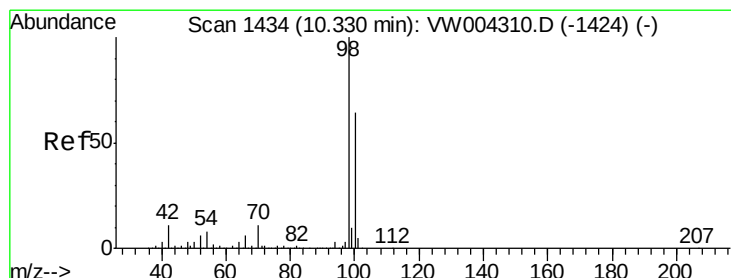
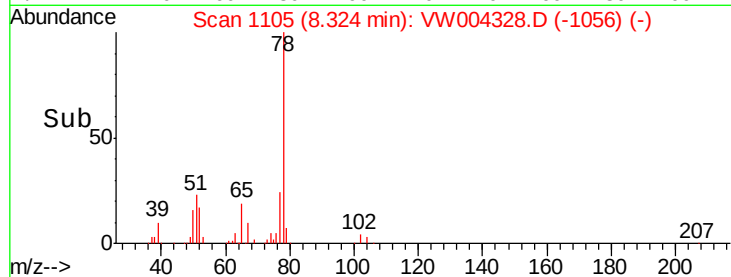
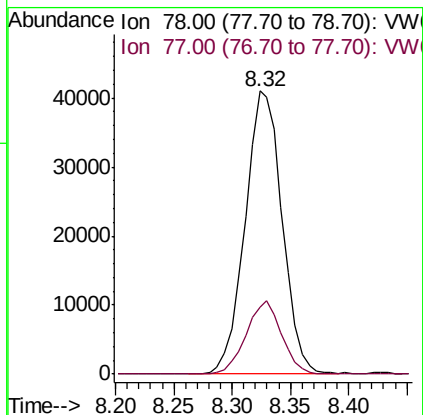
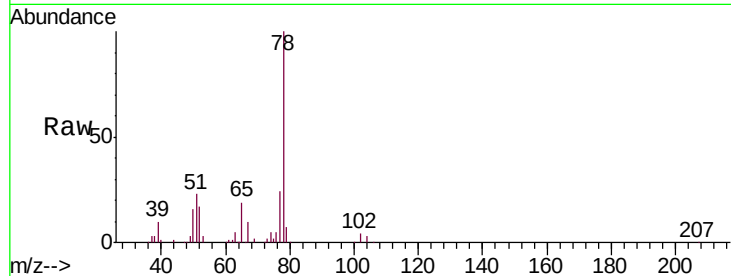
SB-12(3-5)

Tot Ion: 78 Resp: 90950

Ion Ratio Lower Upper

78 100

77 23.5 19.4 29.0



#50

Toluene-d8

Concen: 48.90 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004328.D

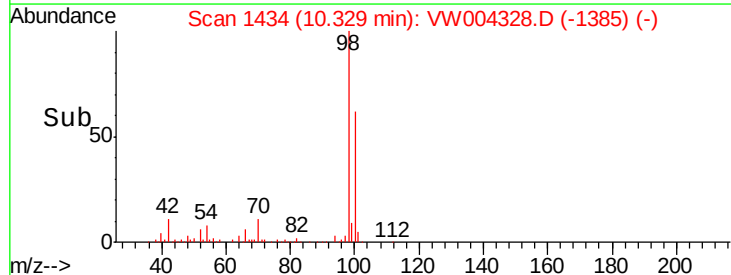
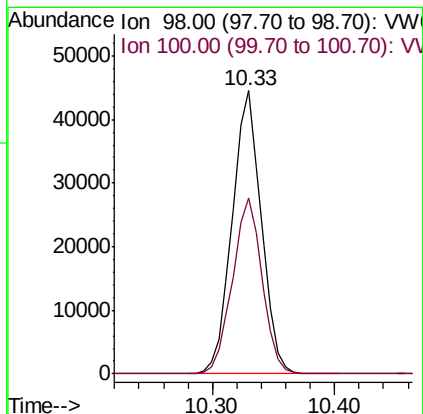
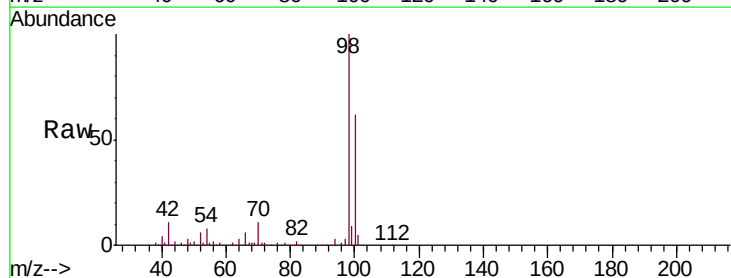
Acq: 29 Jul 2018 21:41

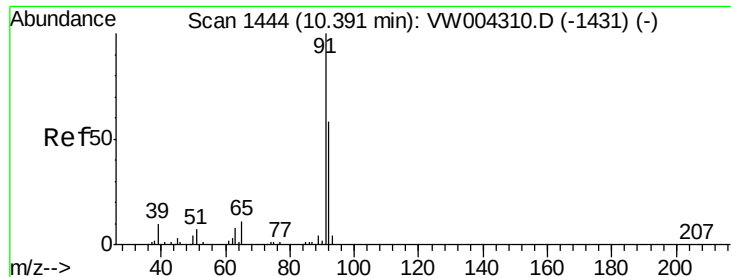
Tgt Ion: 98 Resp: 73212

Ion Ratio Lower Upper

98 100

100 62.9 51.5 77.3





#52

Toluene

Concen: 7.12 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

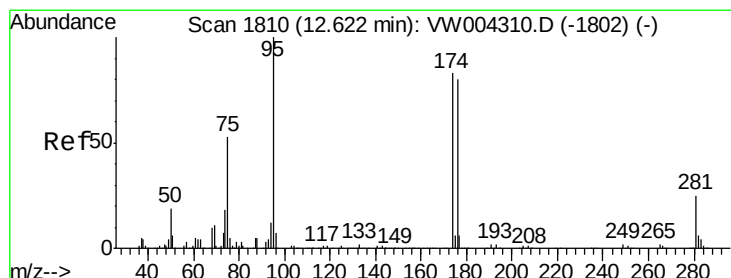
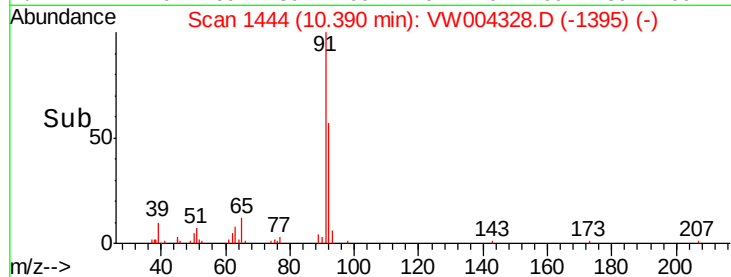
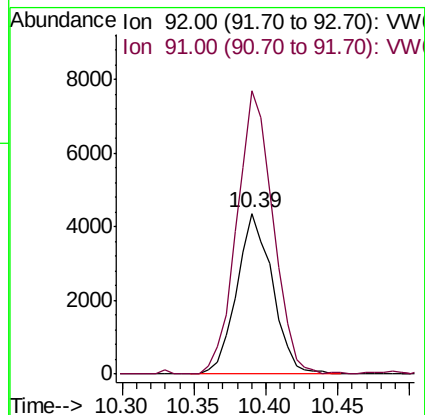
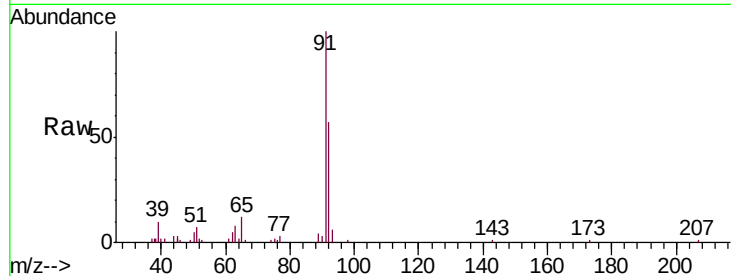
SB-12(3-5)

Tot Ion: 92 Resp: 7540

Ion Ratio Lower Upper

92 100

91 178.1 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 49.43 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

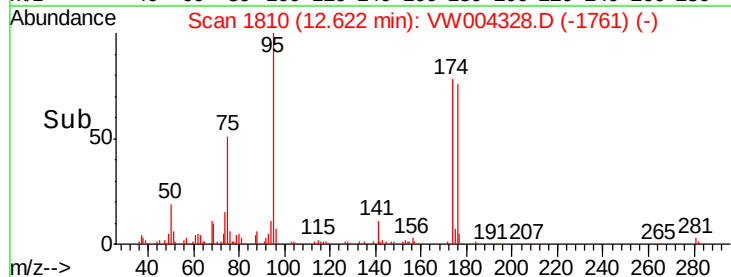
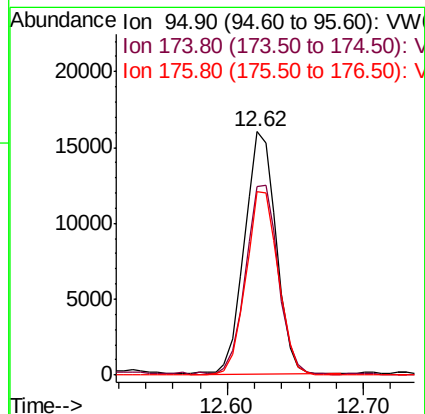
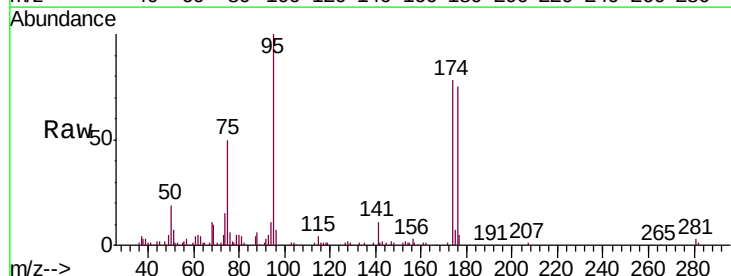
Tgt Ion: 95 Resp: 26056

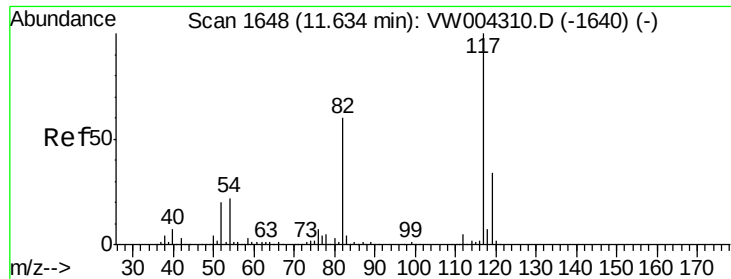
Ion Ratio Lower Upper

95 100

174 81.3 0.0 167.8

176 77.0 0.0 162.4

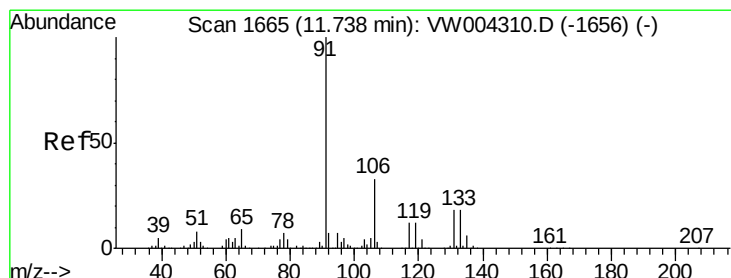
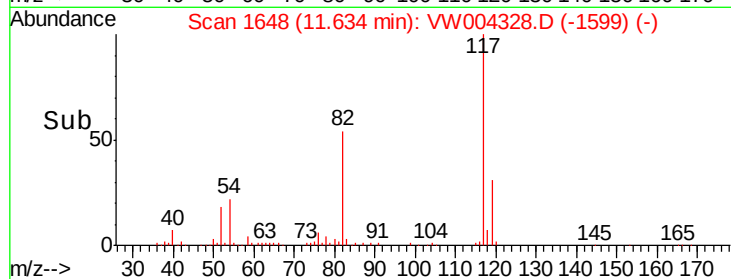
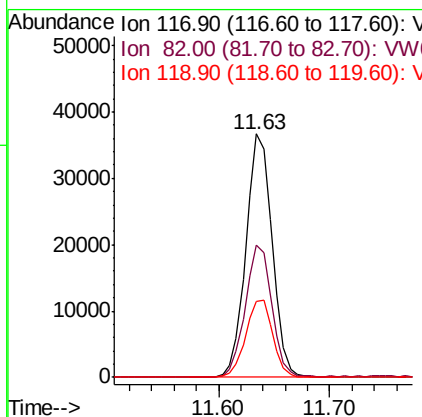
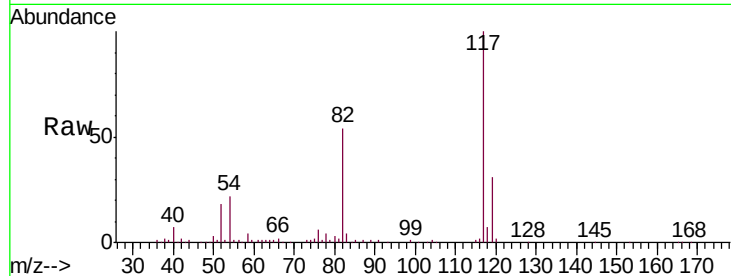




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

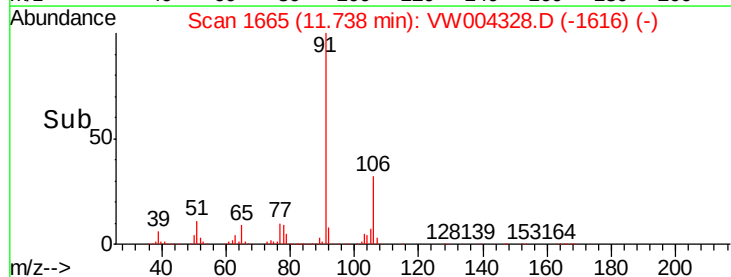
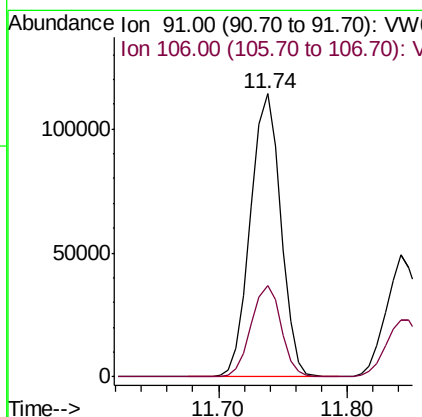
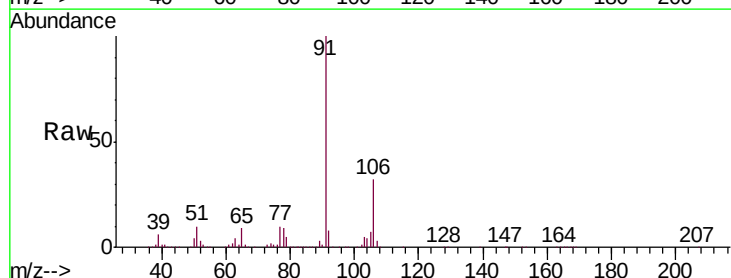
Instrument :
MSVOA_W
ClientSampleId :
SB-12(3-5)

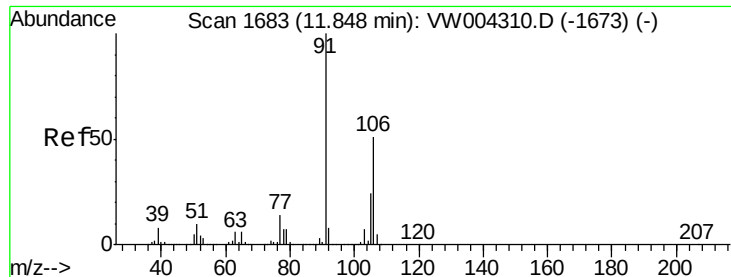
Tot Ion:117 Resp: 60219
Ion Ratio Lower Upper
117 100
82 54.1 47.9 71.9
119 31.4 27.1 40.7



#67
Ethyl Benzene
Concen: 84.06 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

Tgt Ion: 91 Resp: 185324
Ion Ratio Lower Upper
91 100
106 32.2 26.1 39.1

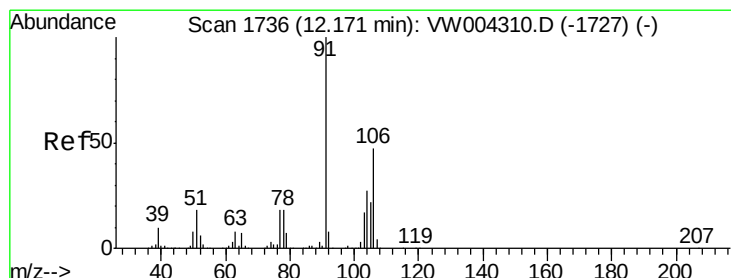
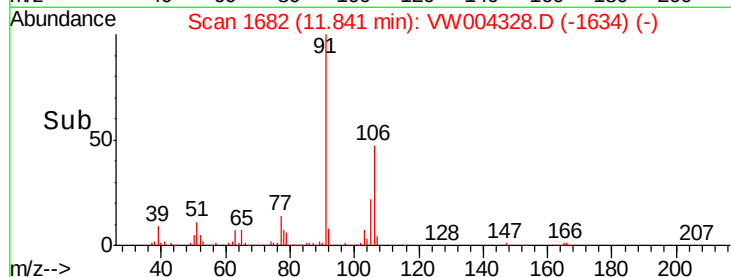
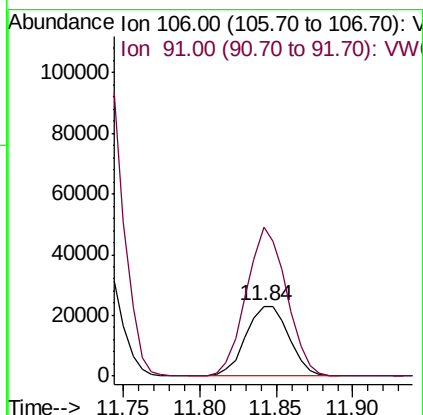
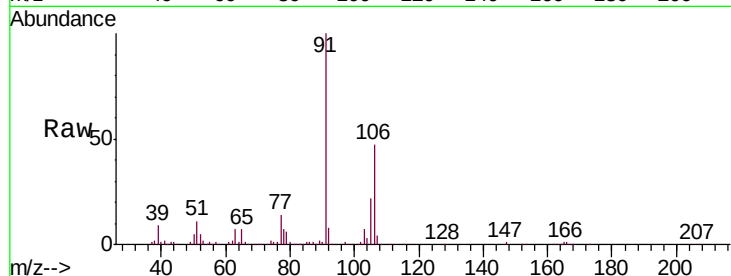




#68
m/p-Xylenes
Concen: 53.17 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

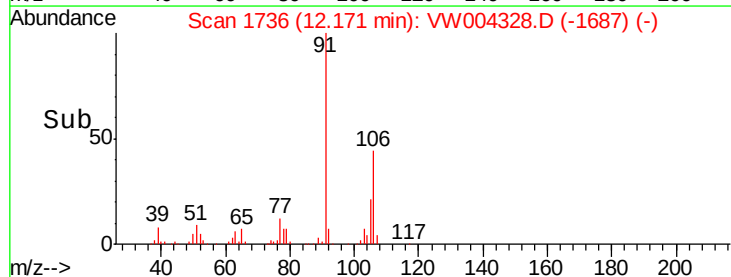
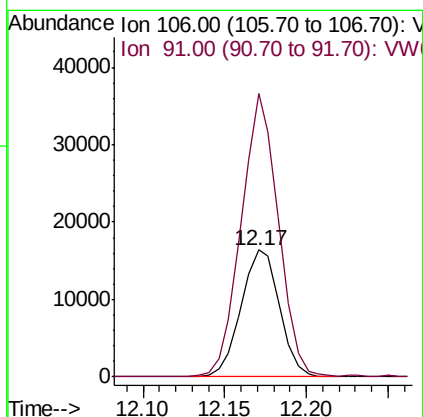
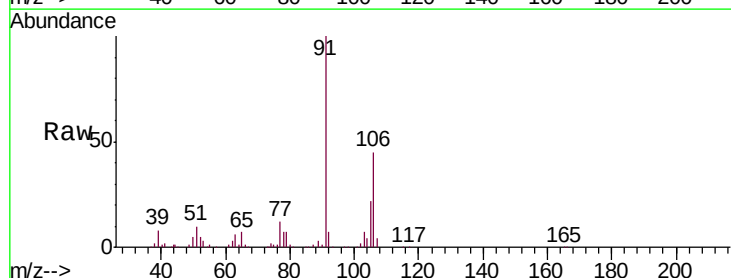
Instrument :
MSVOA_W
ClientSampleId :
SB-12(3-5)

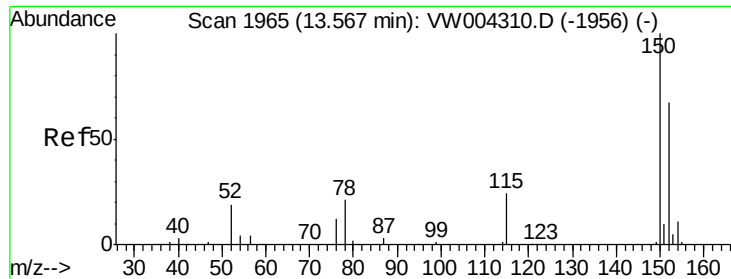
Tot Ion:106 Resp: 45108
Ion Ratio Lower Upper
106 100
91 200.6 162.2 243.2



#69
o-Xylene
Concen: 34.26 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

Tgt Ion:106 Resp: 26857
Ion Ratio Lower Upper
106 100
91 216.6 108.7 326.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004328.D

Acq: 29 Jul 2018 21:41

Instrument :

MSVOA_W

ClientSampleId :

SB-12(3-5)

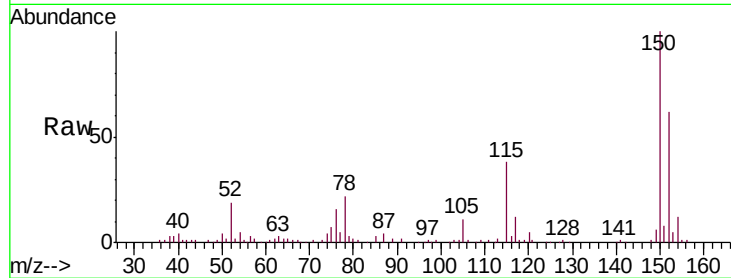
Tot Ion:152 Resp: 20481

Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.4#

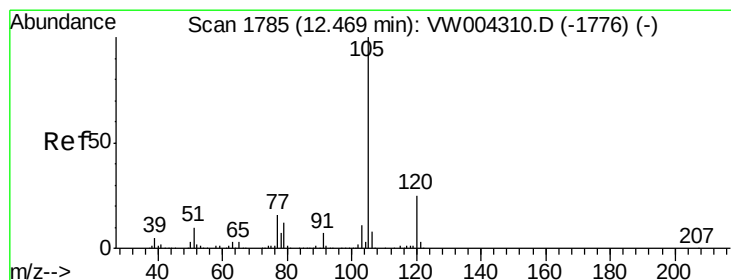
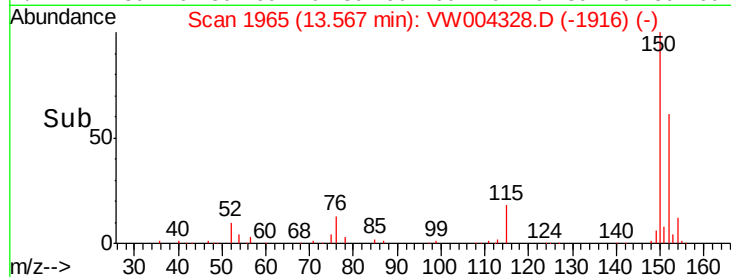
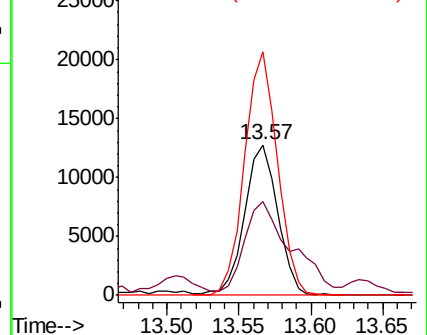
150 159.0 0.0 346.4



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



#73

Isopropylbenzene

Concen: 37.09 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004328.D

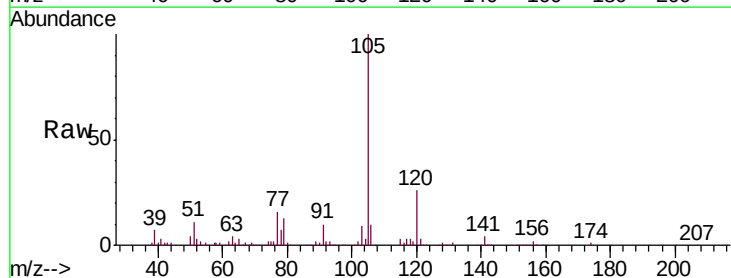
Acq: 29 Jul 2018 21:41

Tgt Ion:105 Resp: 52676

Ion Ratio Lower Upper

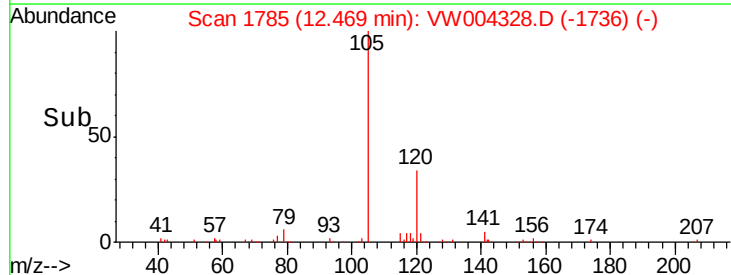
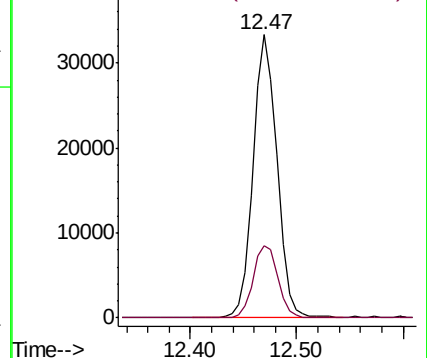
105 100

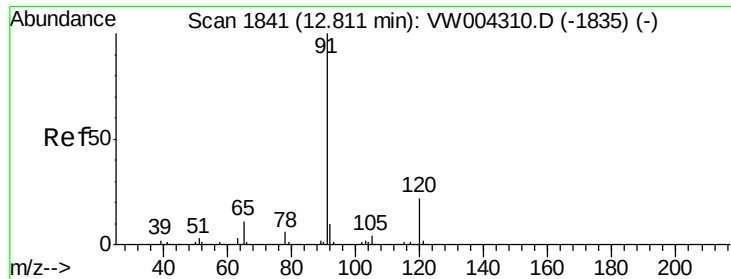
120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

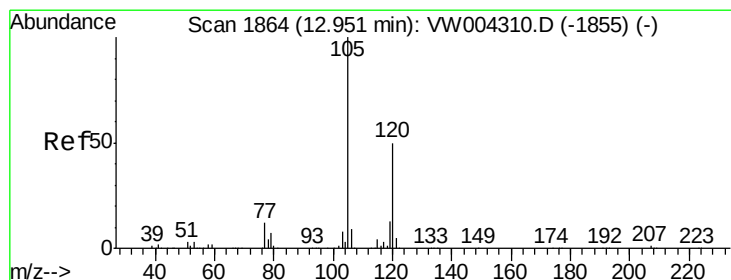
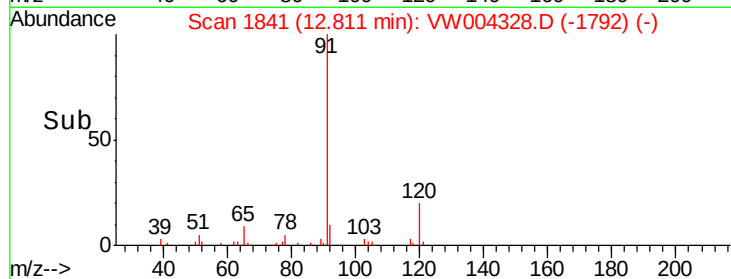
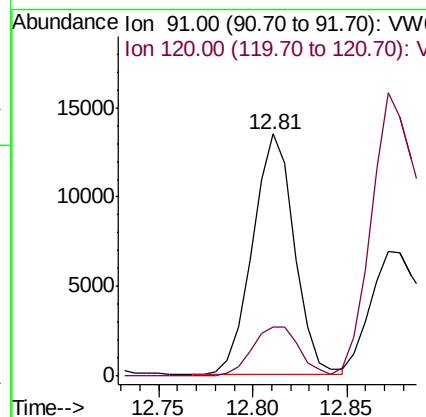
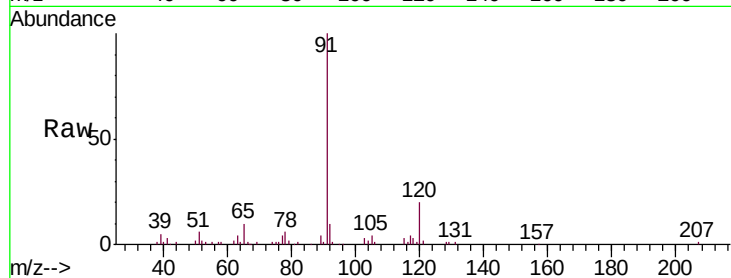




#78
n-propylbenzene
Concen: 11.86 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

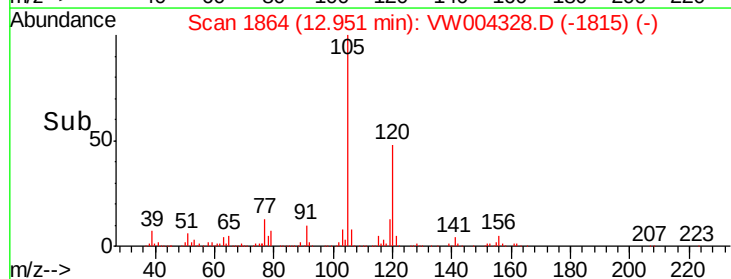
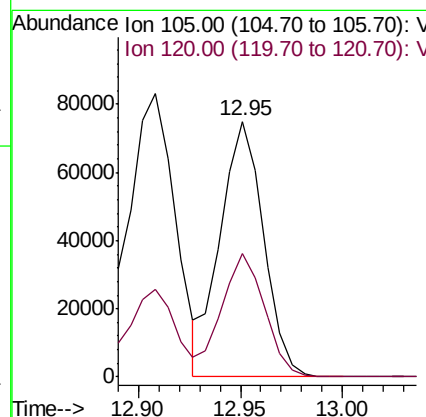
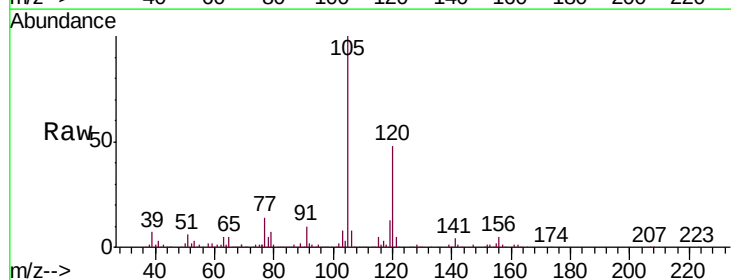
Instrument :
MSVOA_W
ClientSampleId :
SB-12(3-5)

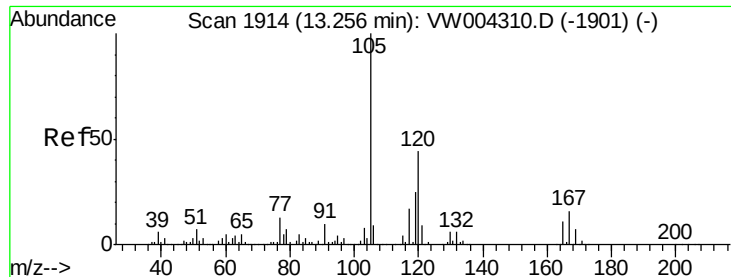
Tot Ion: 91 Resp: 20527
Ion Ratio Lower Upper
91 100
120 23.1 11.3 33.8



#80
1,3,5-Trimethylbenzene
Concen: 89.64 ug/l
RT: 12.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

Tgt Ion:105 Resp: 109669
Ion Ratio Lower Upper
105 100
120 48.3 25.1 75.2

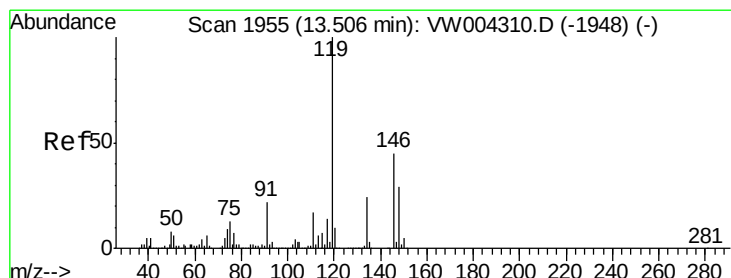
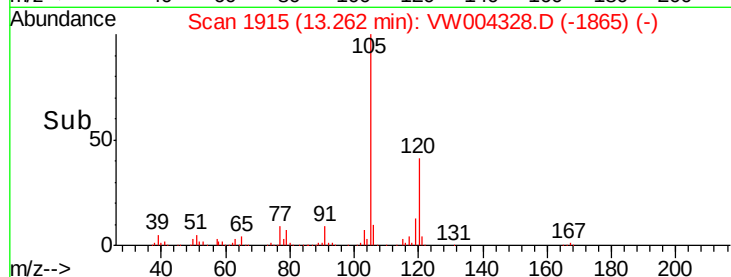
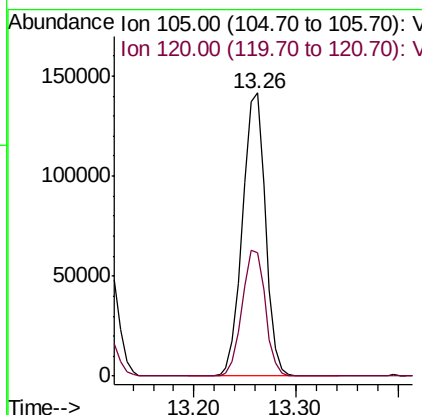
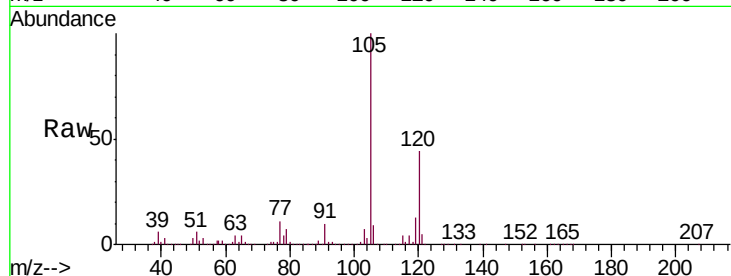




#84
 1,2,4-Trimethylbenzene
 Concen: 176.62 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW004328.D
 Acq: 29 Jul 2018 21:41

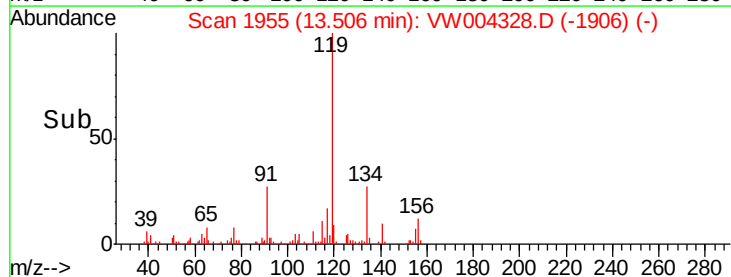
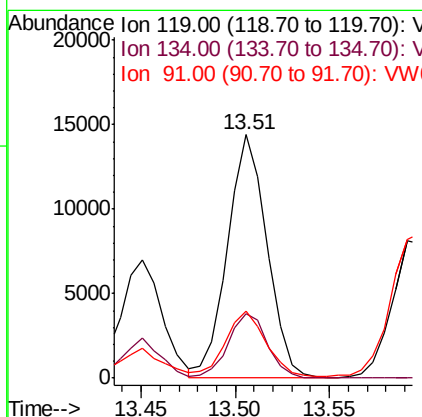
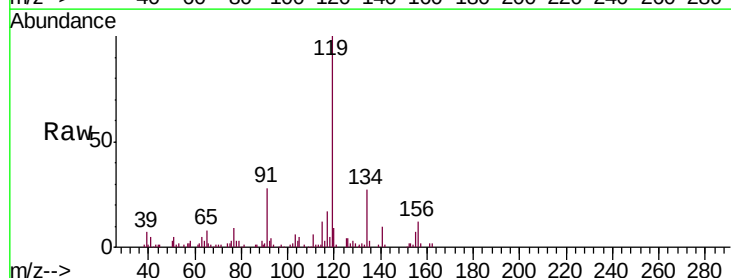
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12(3-5)

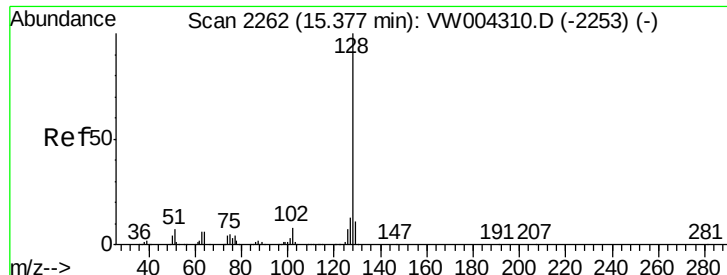
Tot Ion:105 Resp: 220372
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.0



#86
 p-Isopropyltoluene
 Concen: 15.67 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004328.D
 Acq: 29 Jul 2018 21:41

Tgt Ion:119 Resp: 20959
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.6 37.8
 91 0.0 11.3 33.9#





#95
Naphthalene
Concen: 14691.77 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004328.D
Acq: 29 Jul 2018 21:41

Instrument :
MSVOA_W
ClientSampleId :
SB-12(3-5)

Tot Ion:128 Resp:10910884
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.6 8.6 13.0

