

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
 Data File : VW006035.D
 Acq On : 11 Oct 2018 18:21
 Operator : VA/AP
 Sample : J5199-03RE
 Misc : 5.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-101118RE

Quant Time: Oct 12 01:57:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	314048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	116023	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	112696	55.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.70%	
35) Dibromofluoromethane	7.88	113	107049	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
50) Toluene-d8	10.33	98	373951	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.62	95	122313	41.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.34%	

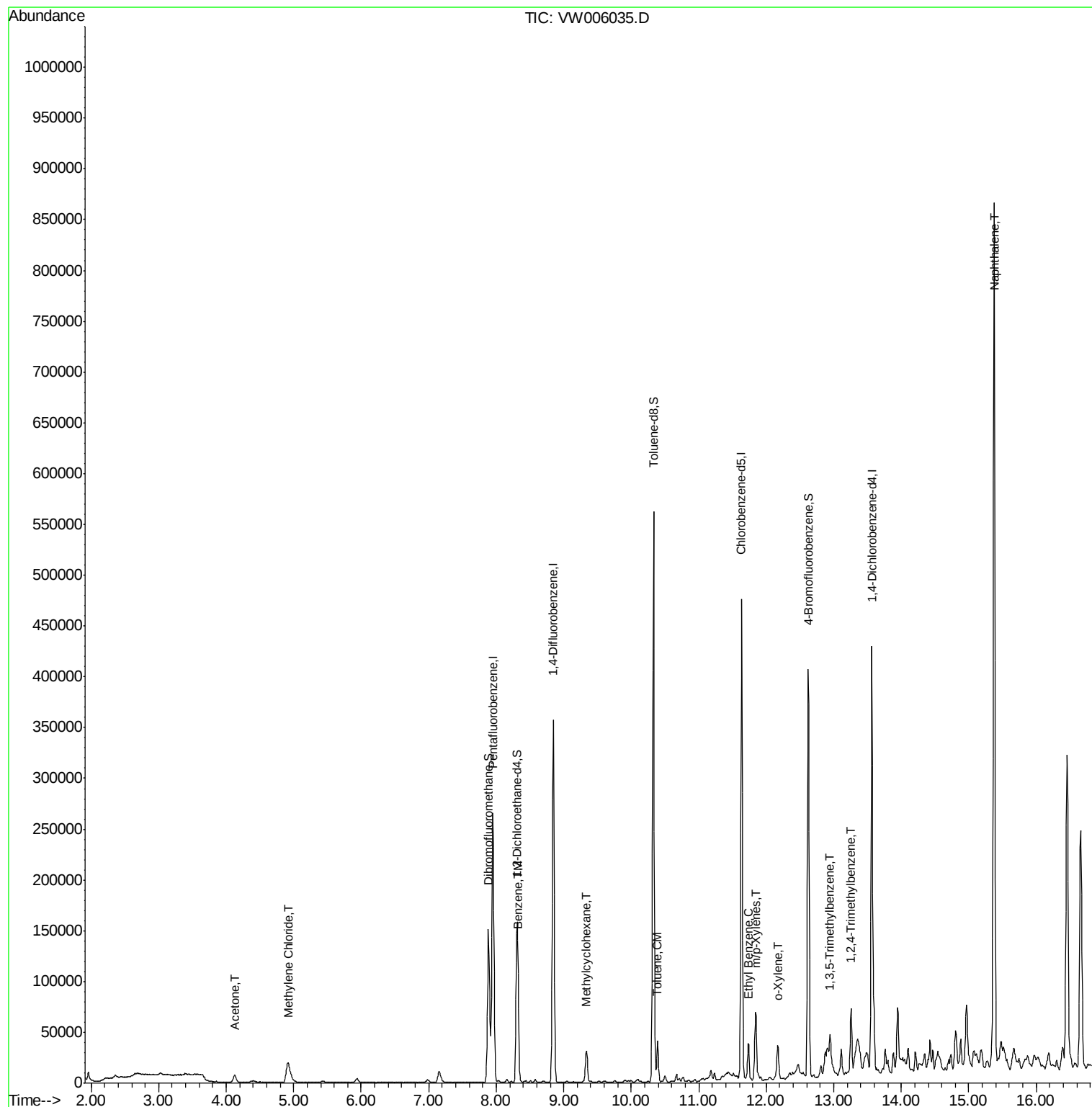
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	12547	30.85	ug/l	98
20) Methylene Chloride	4.92	84	19975	9.80	ug/l	92
39) Methylcyclohexane	9.34	83	13360	3.37	ug/l	94
40) Benzene	8.33	78	22596	2.74	ug/l	96
52) Toluene	10.39	92	16570	3.06	ug/l	96
67) Ethyl Benzene	11.74	91	24383	2.40	ug/l	99
68) m/p-Xylenes	11.84	106	21299	5.35	ug/l	97
69) o-Xylene	12.17	106	8998	2.36	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	10404	1.45	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	36131	5.01	ug/l	99
95) Naphthalene	15.38	128	741562	156.70	ug/l	100

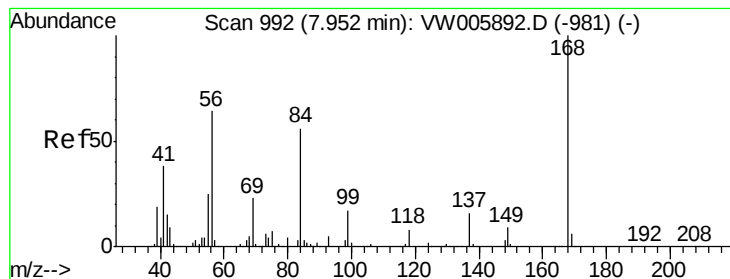
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006035.D

Acq: 11 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

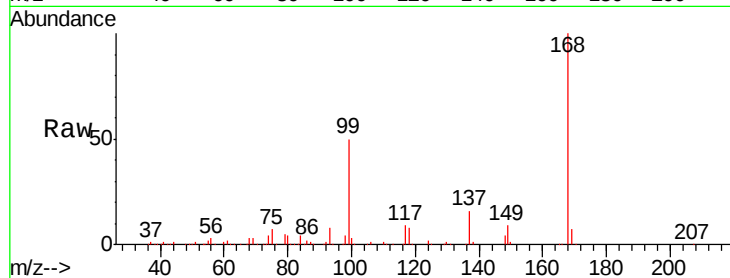
OK-02-101118RE

Tgt Ion:168 Resp: 209753

Ion Ratio Lower Upper

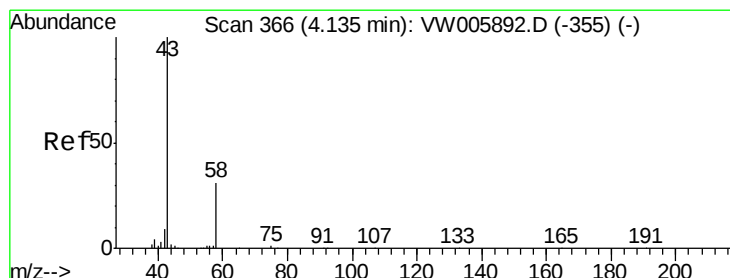
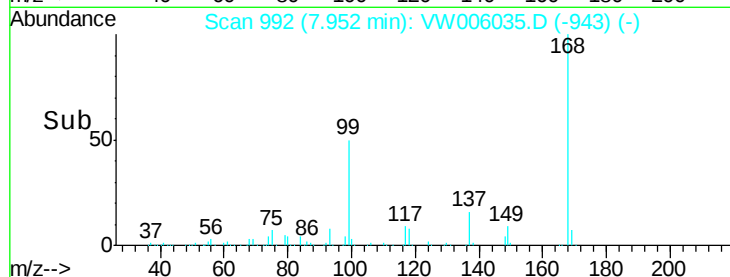
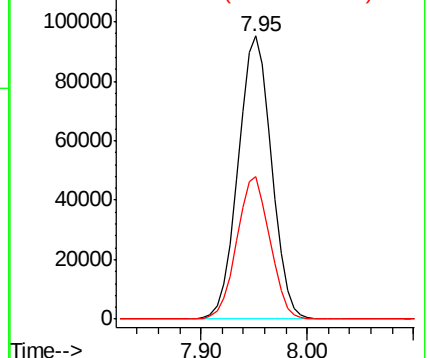
168 100

99 50.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 30.85 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW006035.D

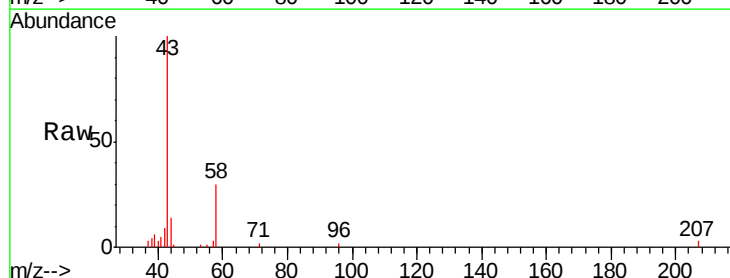
Acq: 11 Oct 2018 18:21

Tgt Ion: 43 Resp: 12547

Ion Ratio Lower Upper

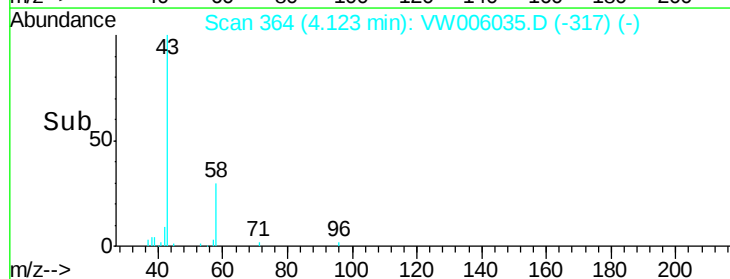
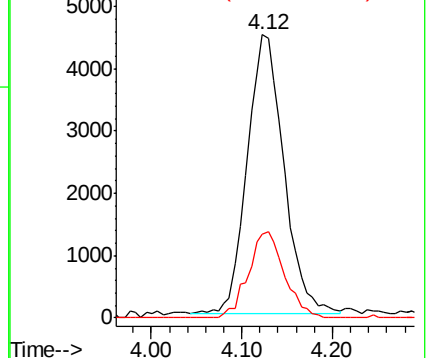
43 100

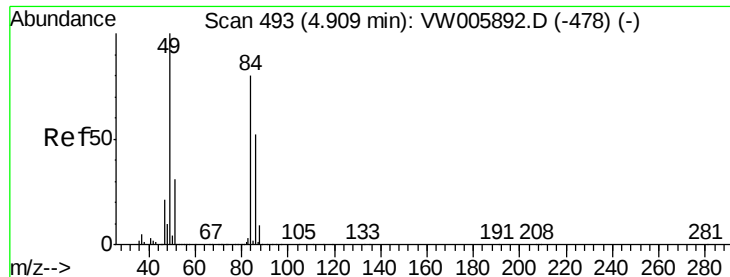
58 30.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

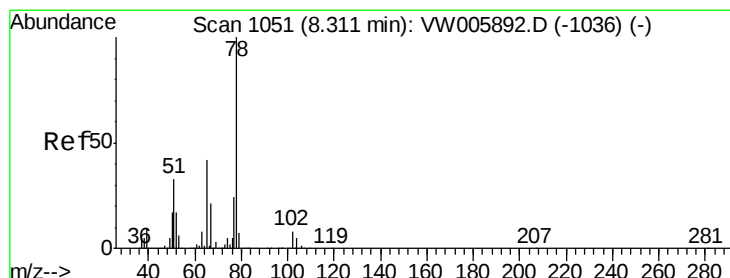
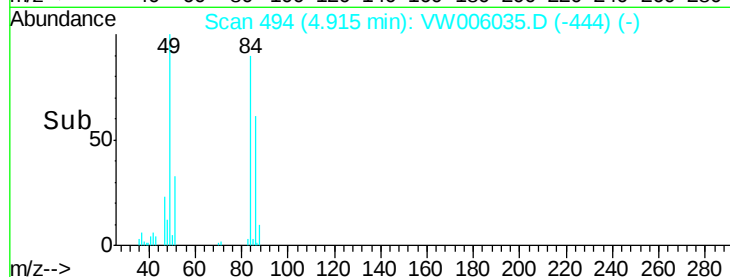
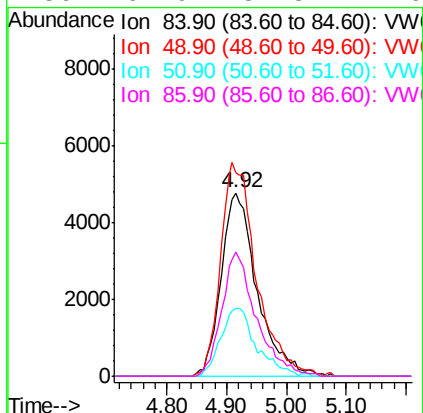
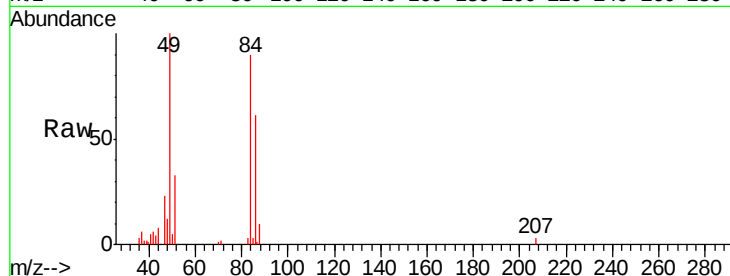




#20
Methylene Chloride
Concen: 9.80 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

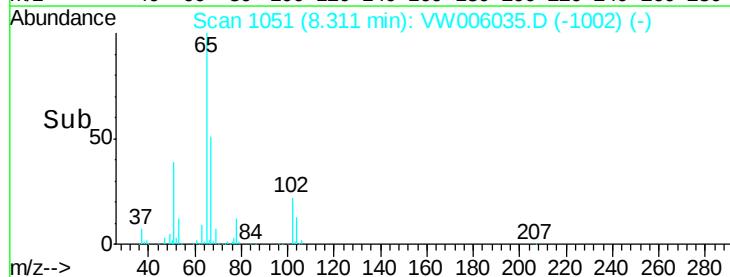
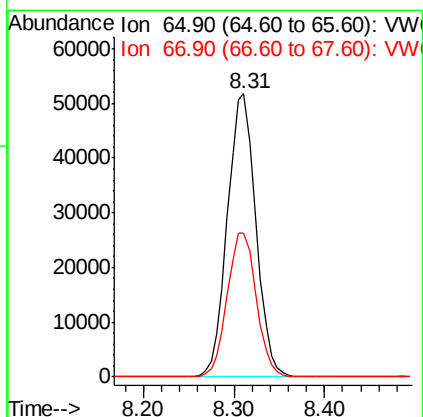
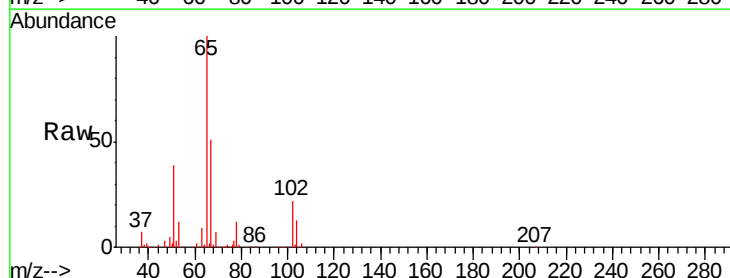
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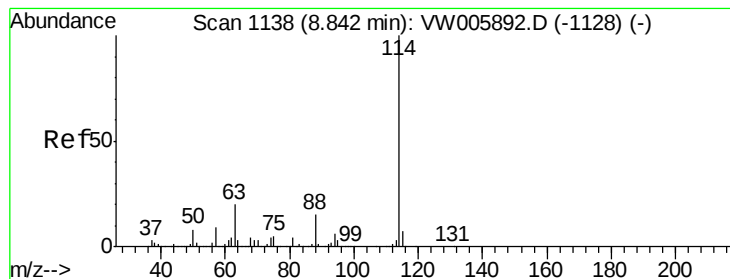
Tgt Ion:	84	Resp:	19975
Ion	Ratio	Lower	Upper
84	100		
49	110.8	99.9	149.9
51	37.1	31.1	46.7
86	67.9	51.8	77.6



#33
1,2-Dichloroethane-d4
Concen: 55.35 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

Tgt Ion:	65	Resp:	112696
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW006035.D

Acq: 11 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

OK-02-101118RE

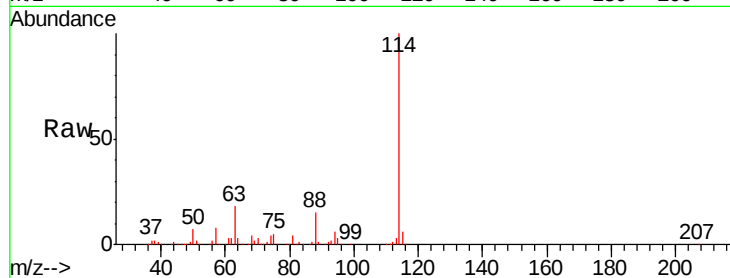
Tgt Ion:114 Resp: 314048

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.2

88 15.1 0.0 30.8



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

200000

150000

100000

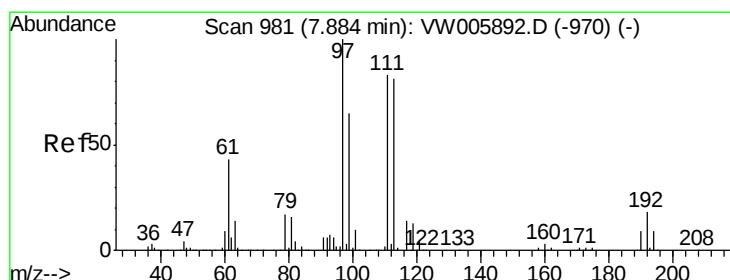
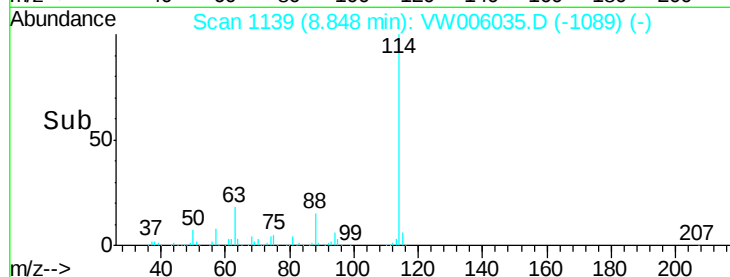
50000

0

8.85

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 53.39 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW006035.D

Acq: 11 Oct 2018 18:21

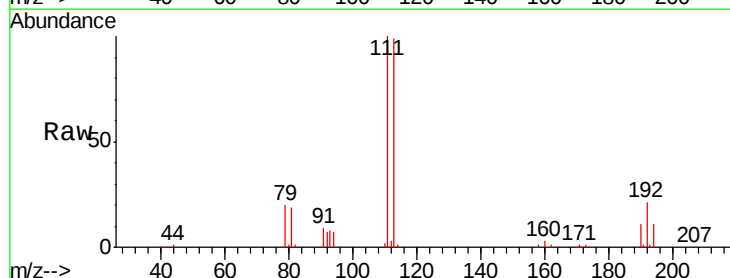
Tgt Ion:113 Resp: 107049

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 21.9 18.3 27.5



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

60000

50000

40000

30000

20000

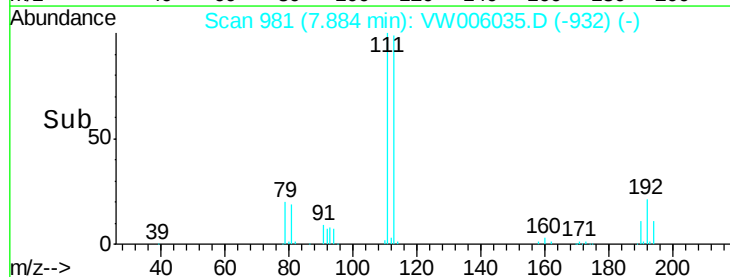
10000

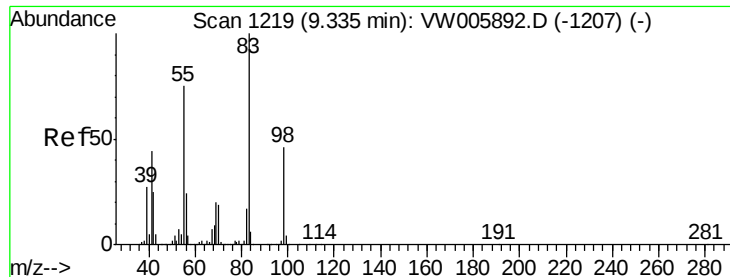
0

7.88

7.80 7.90 8.00

Time-->

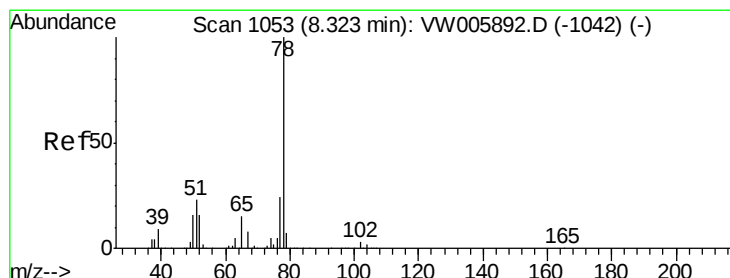
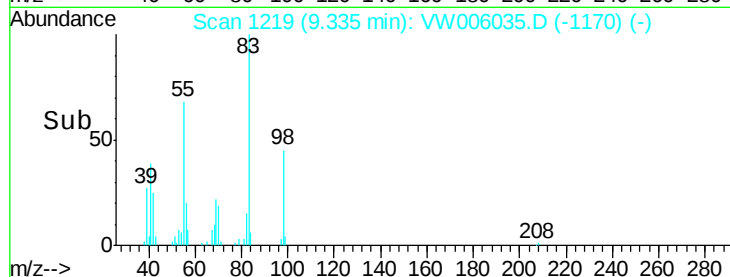
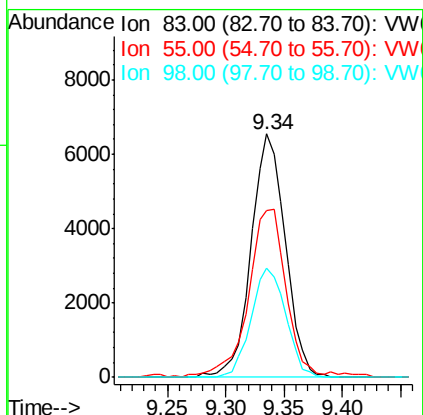
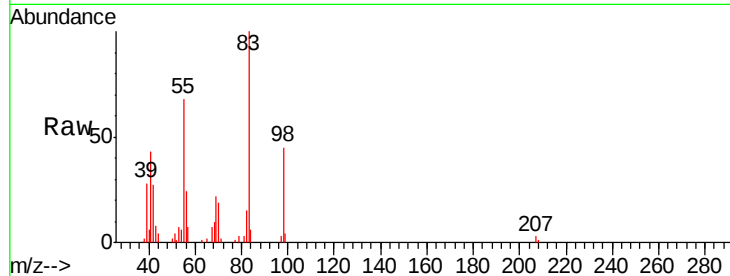




#39
Methylcyclohexane
Concen: 3.37 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

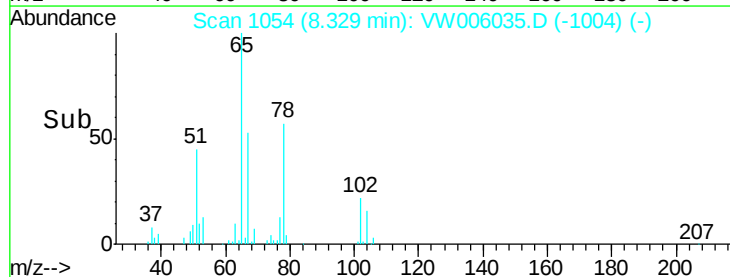
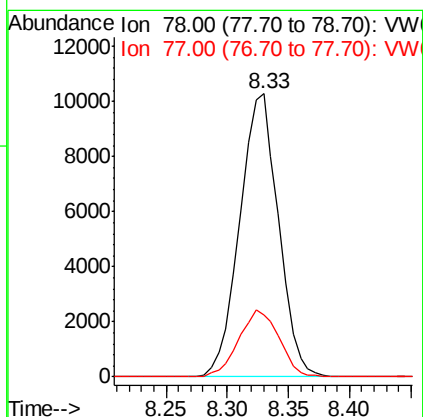
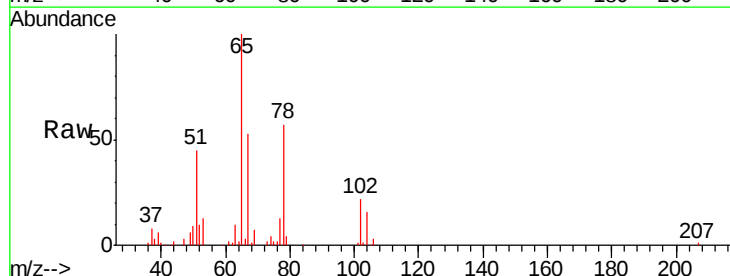
Instrument :
MSVOA_W
ClientSampleId :
OK-02-101118RE

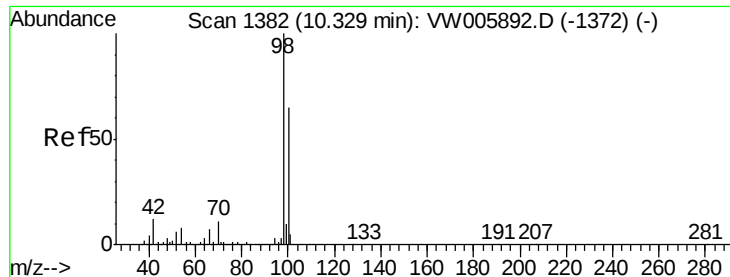
Tgt Ion: 83 Resp: 13360
Ion Ratio Lower Upper
83 100
55 67.5 59.8 89.6
98 44.8 37.1 55.7



#40
Benzene
Concen: 2.74 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

Tgt Ion: 78 Resp: 22596
Ion Ratio Lower Upper
78 100
77 22.1 19.1 28.7





#50

Toluene-d8

Concen: 48.47 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006035.D

Acq: 11 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

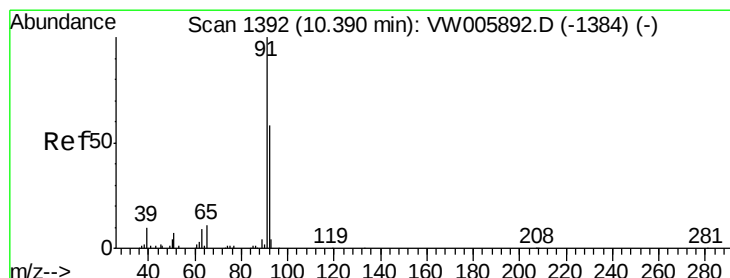
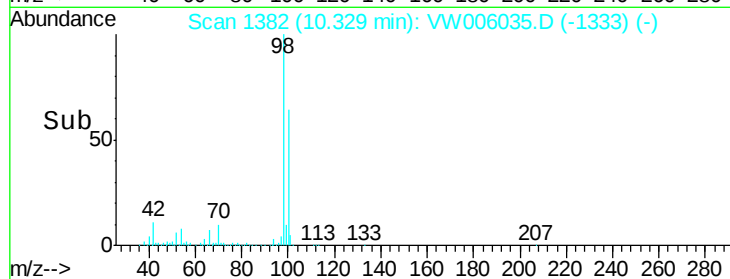
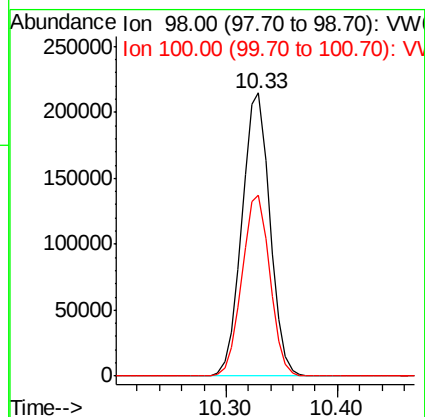
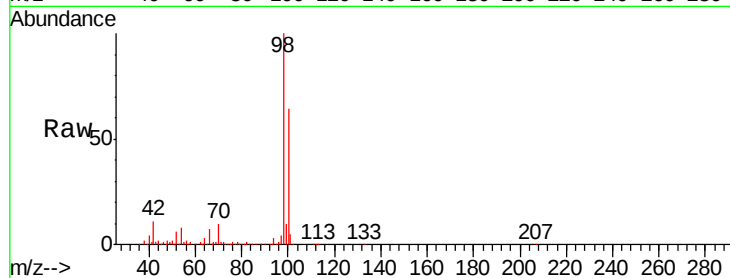
OK-02-101118RE

Tgt Ion: 98 Resp: 373951

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#52

Toluene

Concen: 3.06 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006035.D

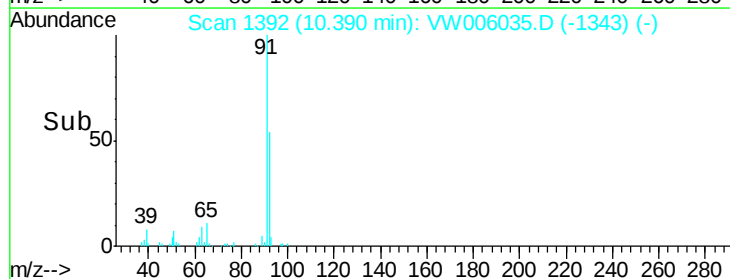
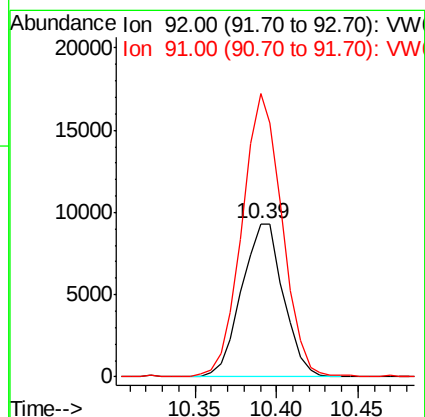
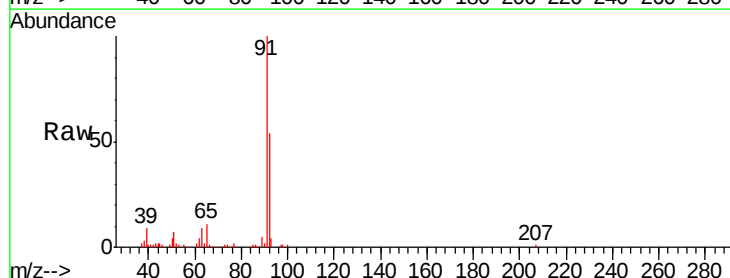
Acq: 11 Oct 2018 18:21

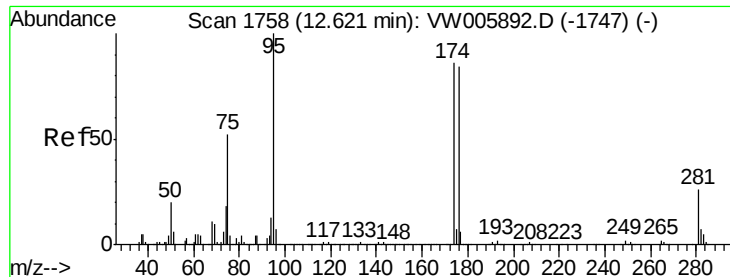
Tgt Ion: 92 Resp: 16570

Ion Ratio Lower Upper

92 100

91 178.0 138.2 207.4





#62

4-Bromofluorobenzene

Concen: 41.67 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006035.D

Acq: 11 Oct 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

OK-02-101118RE

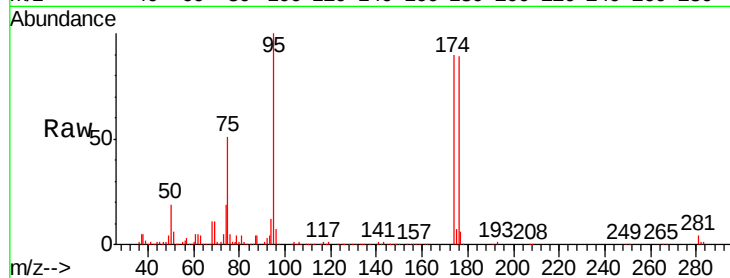
Tgt Ion: 95 Resp: 122313

Ion Ratio Lower Upper

95 100

174 94.2 0.0 176.4

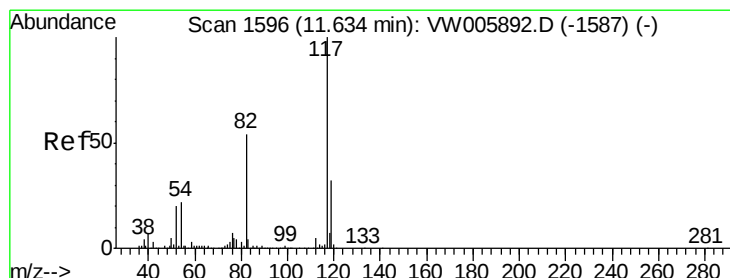
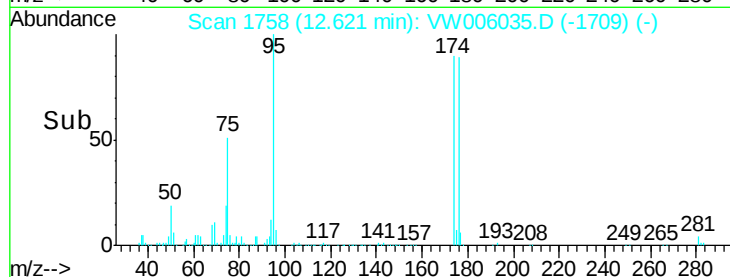
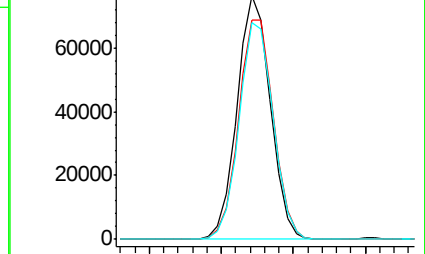
176 90.9 0.0 173.0



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: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006035.D

Acq: 11 Oct 2018 18:21

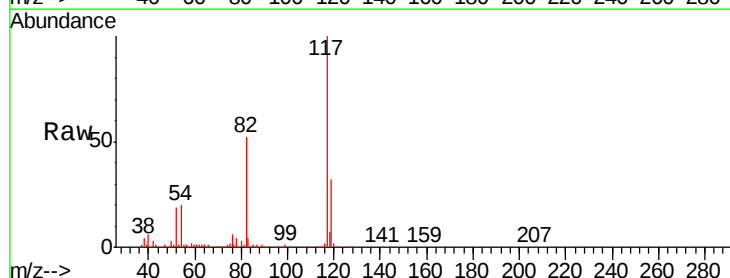
Tgt Ion: 117 Resp: 269054

Ion Ratio Lower Upper

117 100

82 52.3 43.5 65.3

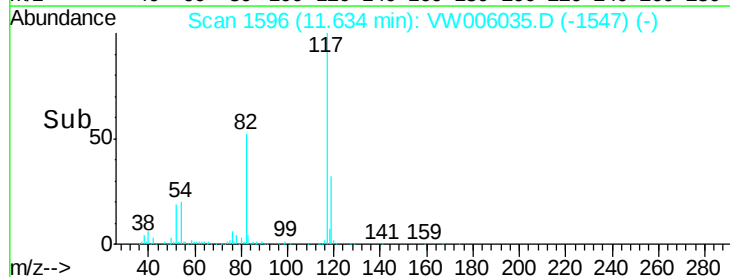
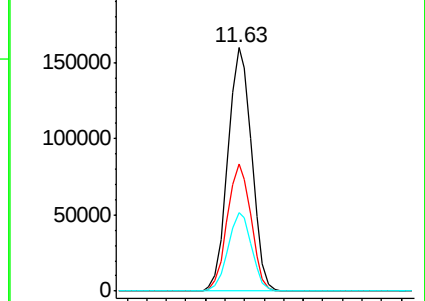
119 32.2 25.4 38.2

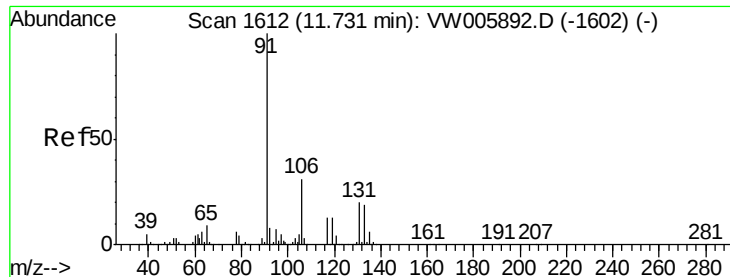


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

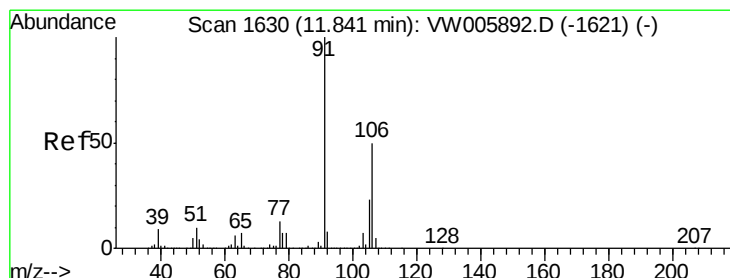
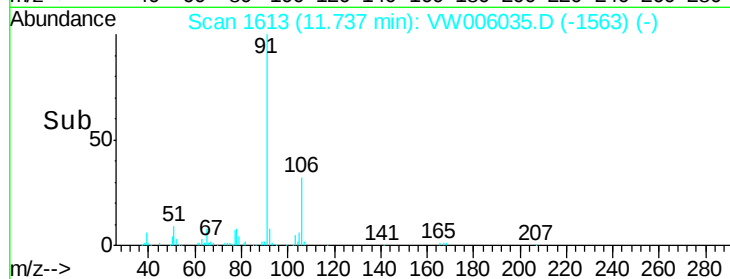
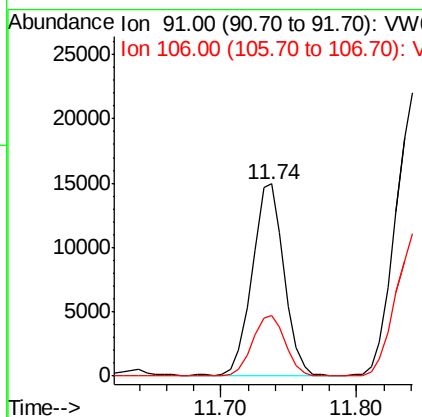
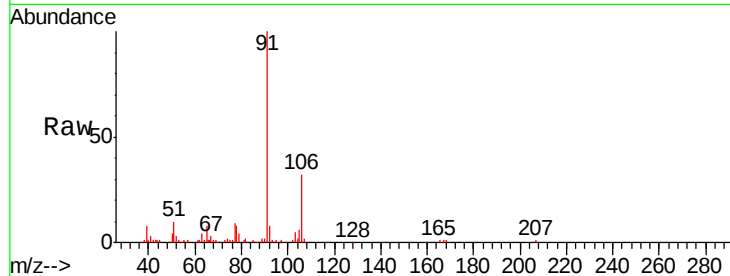




#67
Ethyl Benzene
Concen: 2.40 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

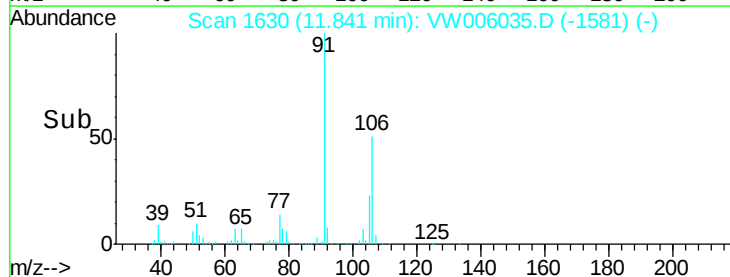
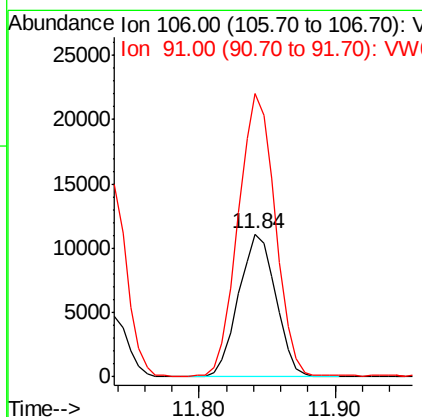
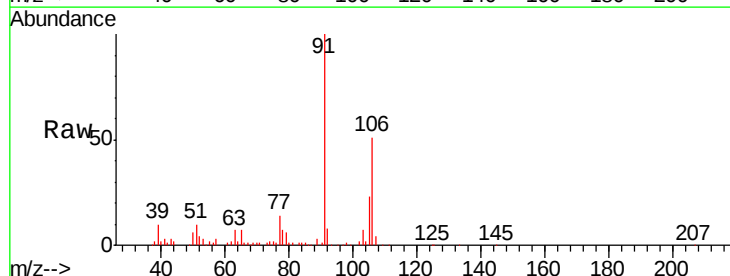
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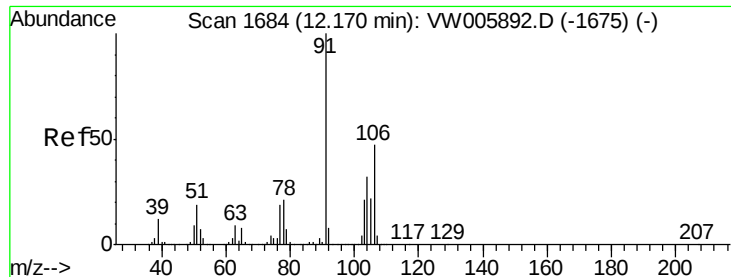
Tgt Ion: 91 Resp: 24383
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 5.35 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

Tgt Ion: 106 Resp: 21299
Ion Ratio Lower Upper
106 100
91 196.0 160.2 240.2

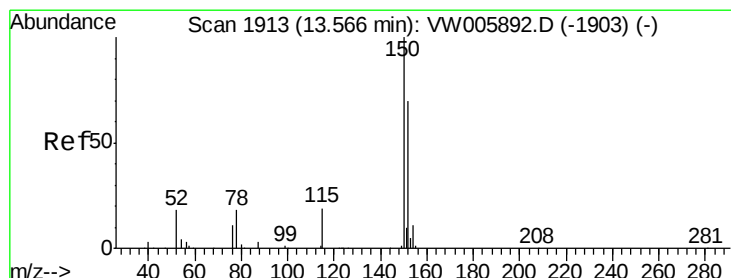
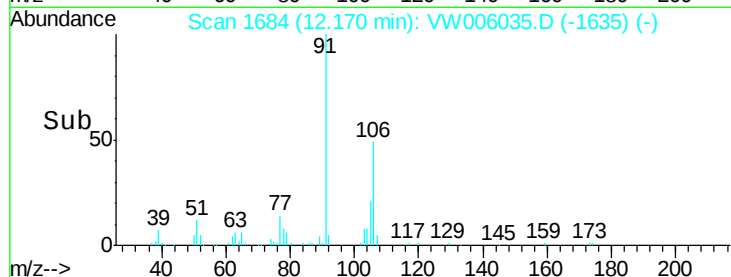
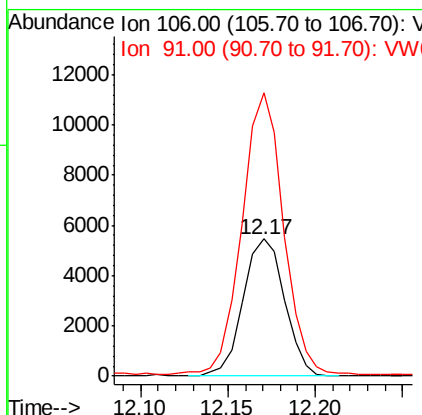
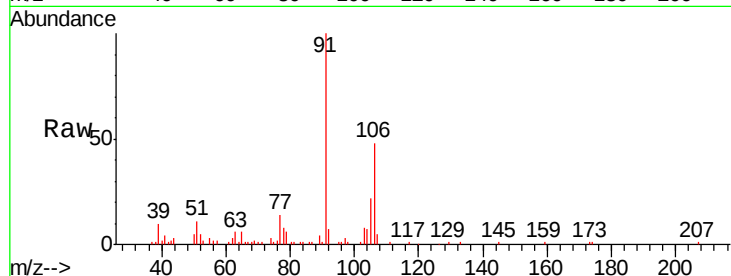




#69
o-Xylene
Concen: 2.36 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

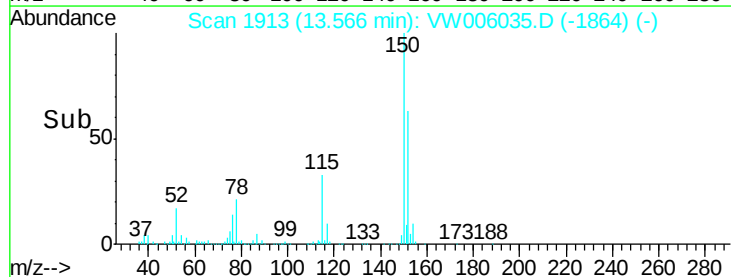
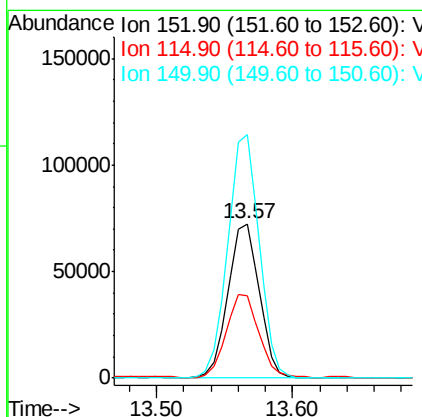
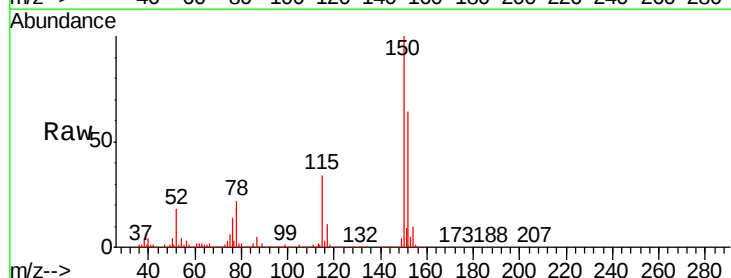
Instrument :
MSVOA_W
ClientSampleId :
OK-02-101118RE

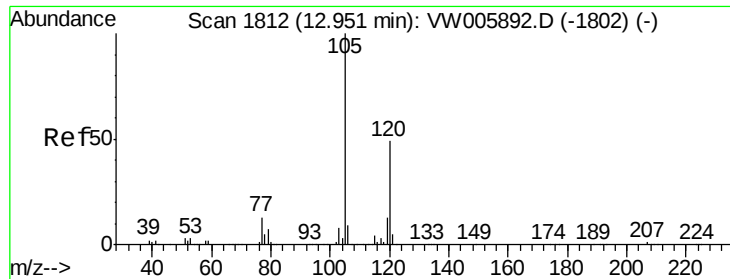
Tgt Ion:106 Resp: 8998
Ion Ratio Lower Upper
106 100
91 204.9 106.2 318.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

Tgt Ion:152 Resp: 116023
Ion Ratio Lower Upper
152 100
115 55.6 28.3 85.0
150 158.4 0.0 349.2

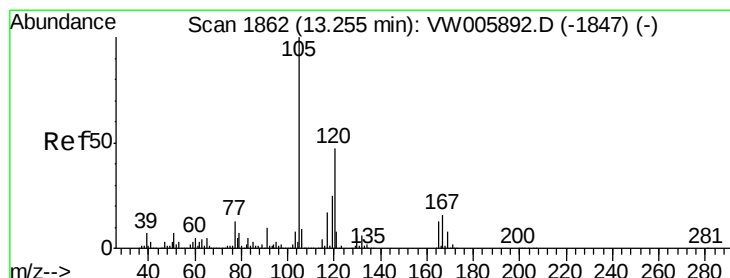
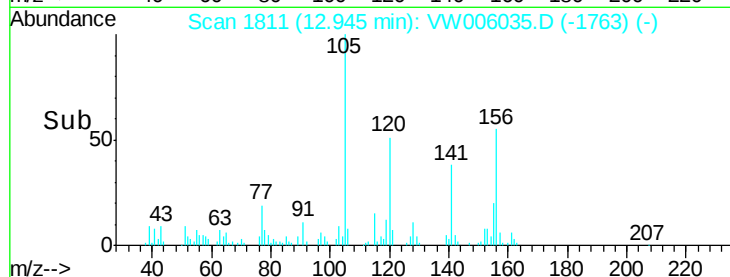
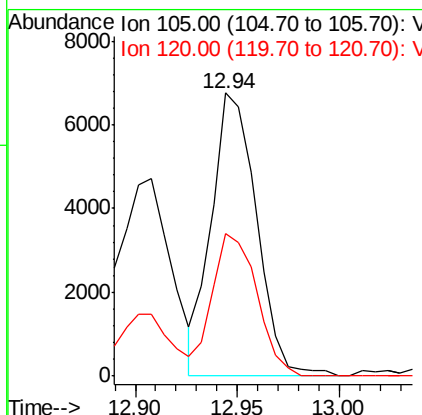
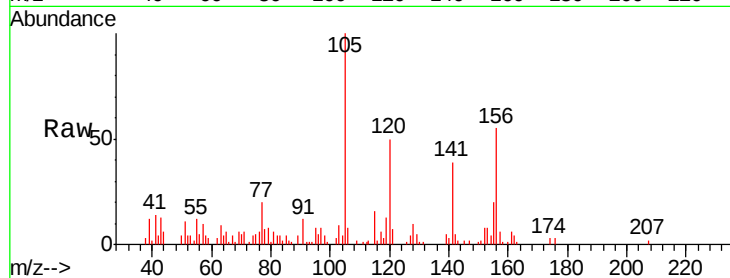




#80
 1,3,5-Trimethylbenzene
 Concen: 1.45 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW006035.D
 Acq: 11 Oct 2018 18:21

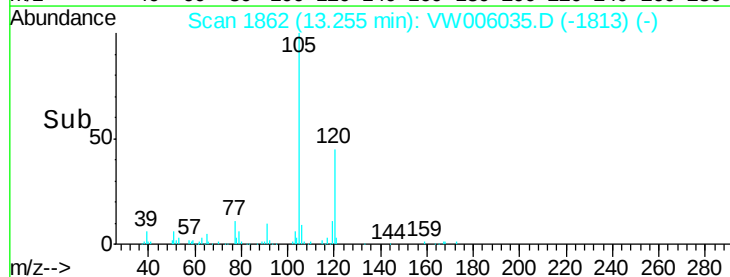
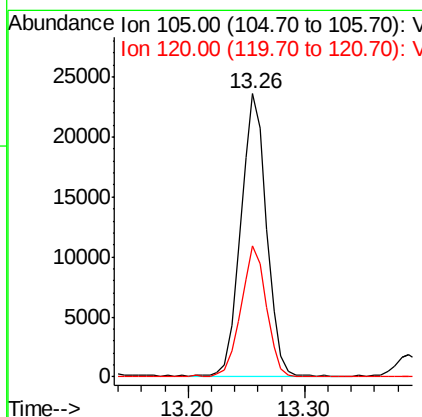
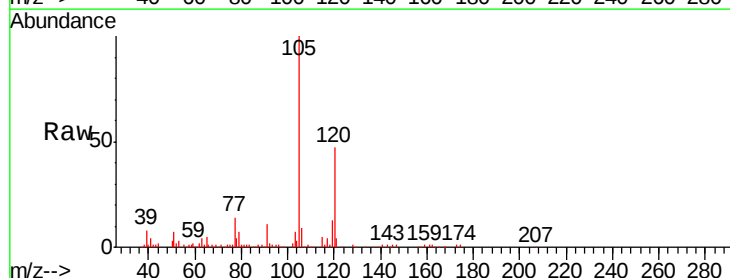
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-101118RE

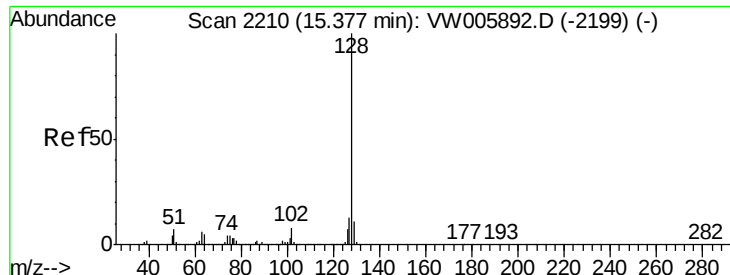
Tgt Ion:105 Resp: 10404
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.01 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006035.D
 Acq: 11 Oct 2018 18:21

Tgt Ion:105 Resp: 36131
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.8 68.3

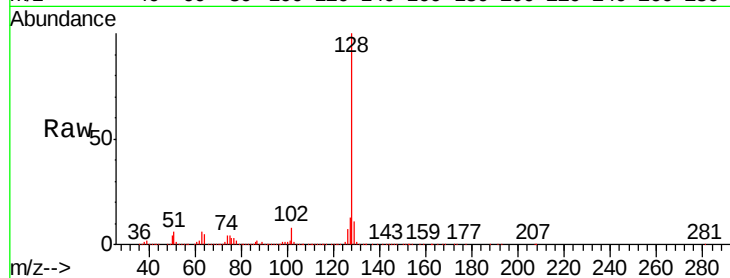




#95
Naphthalene
Concen: 156.70 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006035.D
Acq: 11 Oct 2018 18:21

Instrument :
MSVOA_W
ClientSampleId :
OK-02-101118RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.9	13.3



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

