

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007756.D
 Acq On : 20 Dec 2018 19:16
 Operator : SY/AP
 Sample : J6392-16
 Misc : 6.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(6-8)

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:04:06 AM

Quant Time: Dec 21 04:40:35 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	87391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63872	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	43208	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.88	113	36513	41.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.14%	
50) Toluene-d8	10.32	98	128630	38.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.76%	
62) 4-Bromofluorobenzene	12.62	95	52778	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	6142	34.243	ug/l	100
17) Carbon Disulfide	4.37	76	3669	1.375	ug/l #	93
40) Benzene	8.32	78	4869	1.297	ug/l #	89
52) Toluene	10.39	92	33836	13.435	ug/l	100
67) Ethyl Benzene	11.73	91	22786	4.729	ug/l	99
68) m/p-Xylenes	11.84	106	34590	18.508	ug/l	99
69) o-Xylene	12.17	106	14356	8.194	ug/l	100
73) Isopropylbenzene	12.47	105	30793	6.378	ug/l	99
78) n-propylbenzene	12.80	91	38203	6.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	16781	4.030	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	69434	16.523	ug/l	100
85) sec-Butylbenzene	13.39	105	7307	1.451	ug/l #	56
86) p-Isopropyltoluene	13.50	119	15848	3.461	ug/l	99
89) n-Butylbenzene	13.83	91	5817m	1.385	ug/l	
95) Naphthalene	15.38	128	26483	10.491	ug/l	98

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

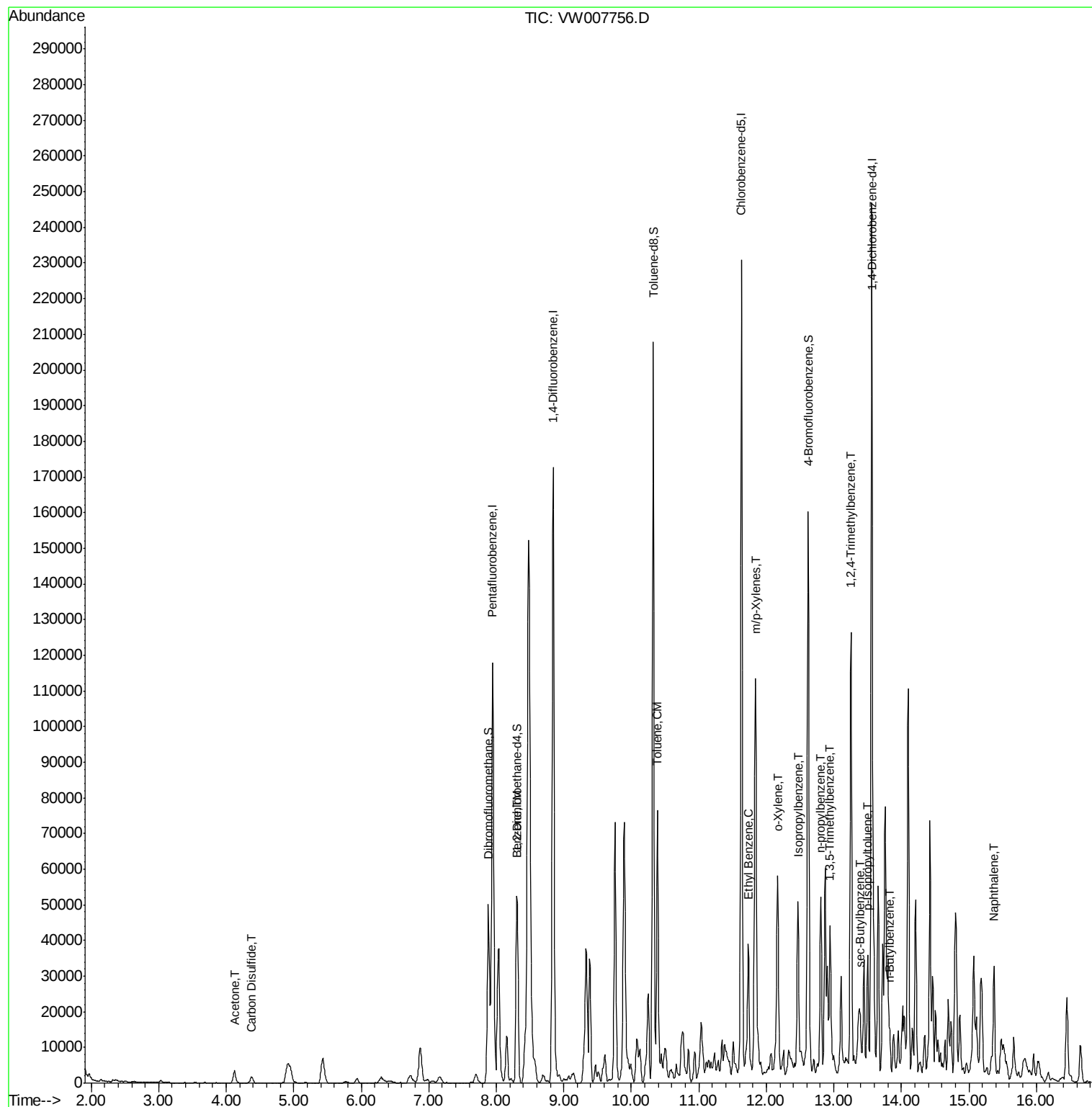
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
Data File : VW007756.D
Acq On : 20 Dec 2018 19:16
Operator : SY/AP
Sample : J6392-16
Misc : 6.08G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

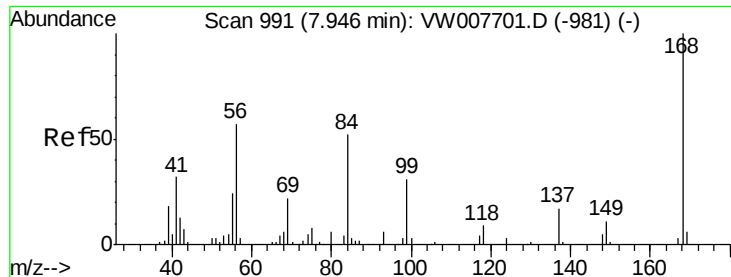
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(6-8)

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:06 AM

Quant Time: Dec 21 04:40:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(6-8)

Tgt Ion:168 Resp: 87391

Ion Ratio Lower Upper

168 100

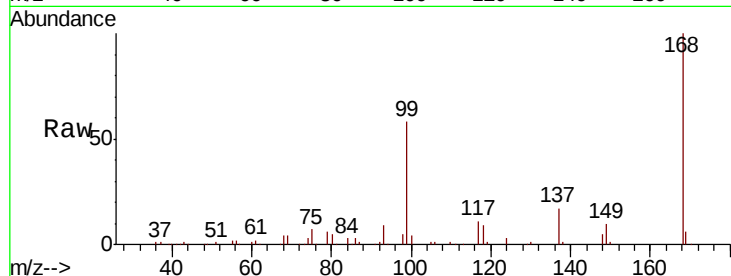
99 57.7 54.0 81.0

Manual Integrations

APPROVED

apatel

12/21/2018 11:04:06 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

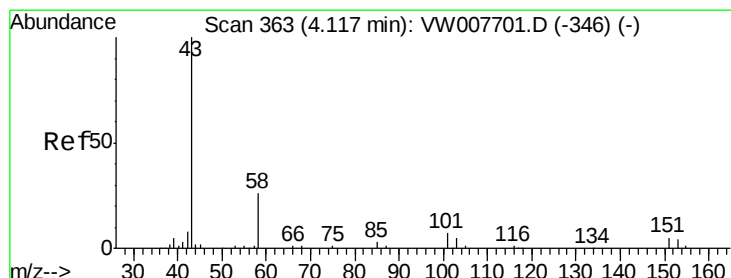
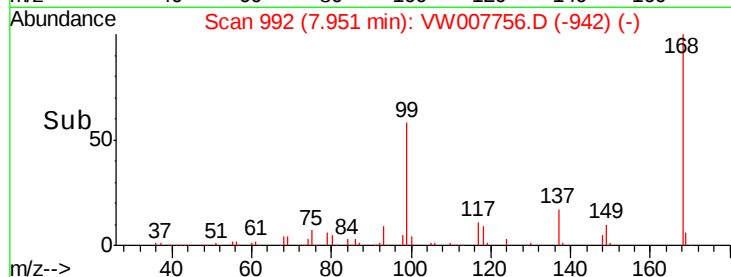
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 34.243 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007756.D

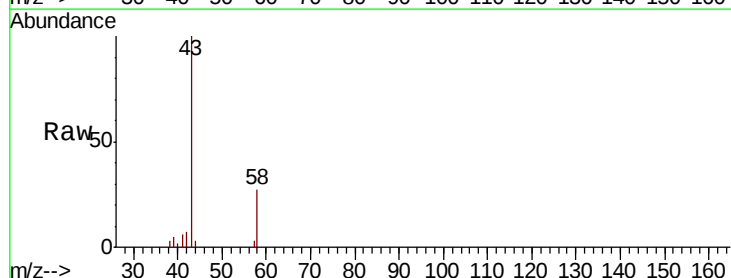
Acq: 20 Dec 2018 19:16

Tgt Ion: 43 Resp: 6142

Ion Ratio Lower Upper

43 100

58 26.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

1500

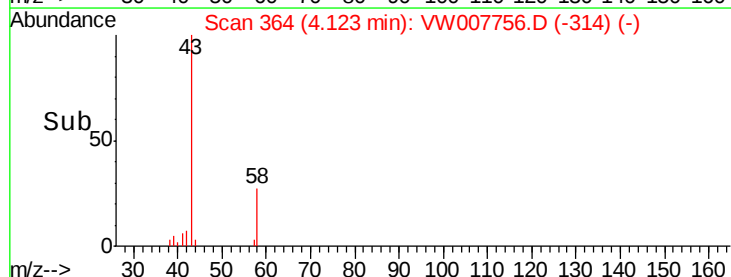
1000

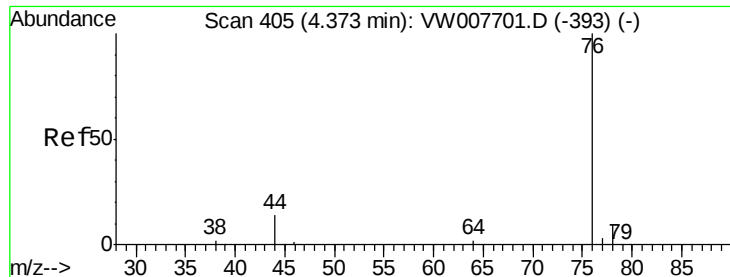
500

0

4.00 4.05 4.10 4.15 4.20

Time-->





#17

Carbon Disulfide

Concen: 1.375 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(6-8)

Tgt Ion: 76 Resp: 3669

Ion Ratio Lower Upper

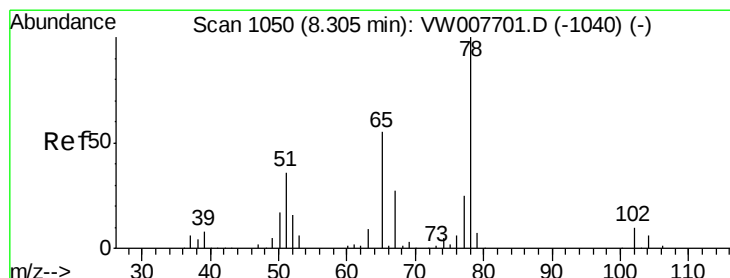
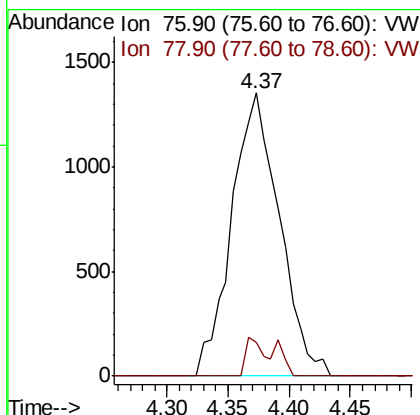
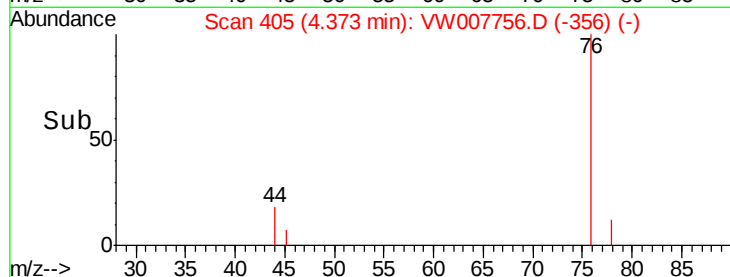
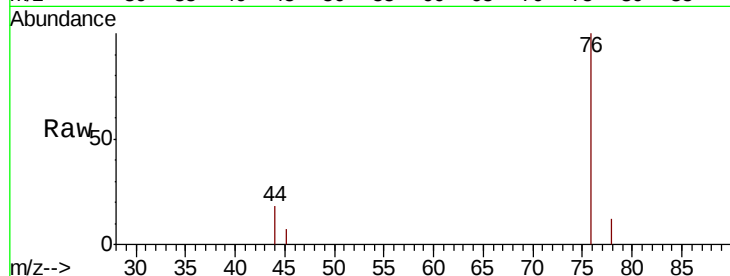
76 100

78 11.8 7.3 10.9#

Manual Integrations
APPROVED

apatel

12/21/2018 11:04:06 AM



#33

1,2-Dichloroethane-d4

Concen: 45.110 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007756.D

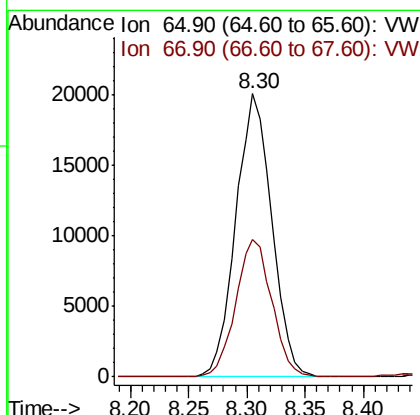
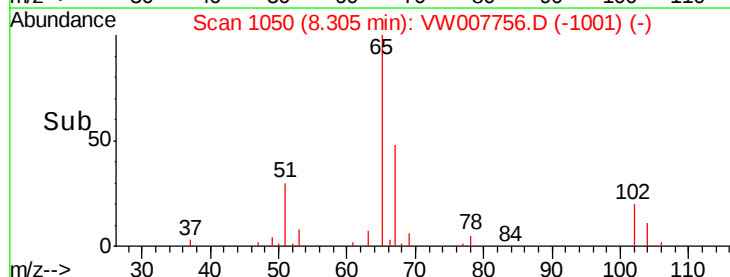
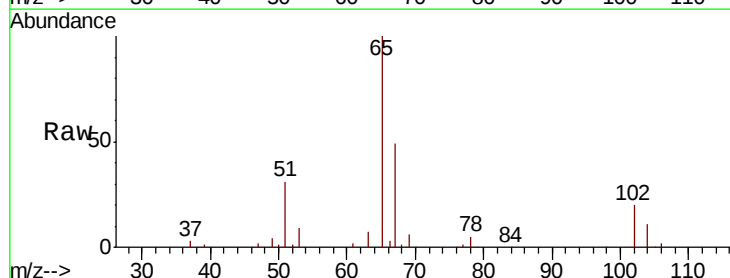
Acq: 20 Dec 2018 19:16

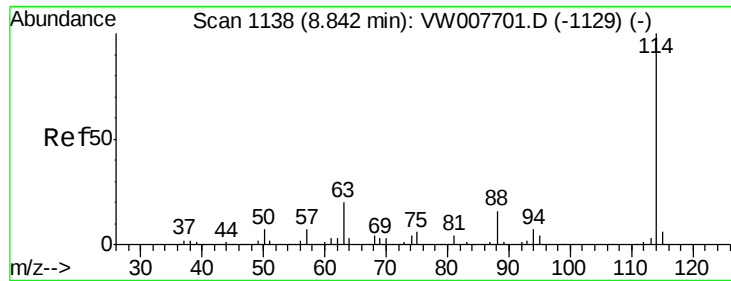
Tgt Ion: 65 Resp: 43208

Ion Ratio Lower Upper

65 100

67 48.6 0.0 100.6





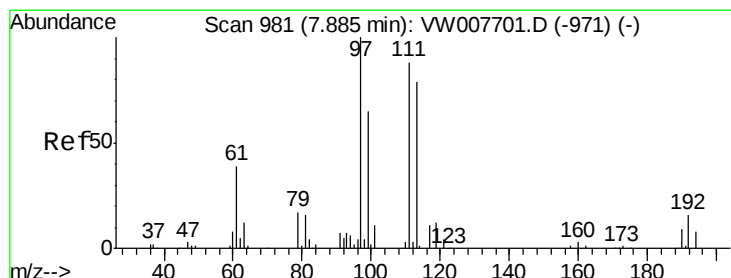
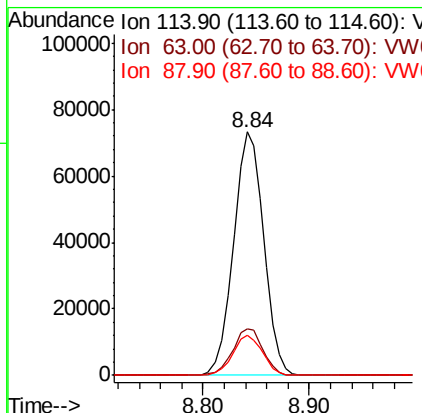
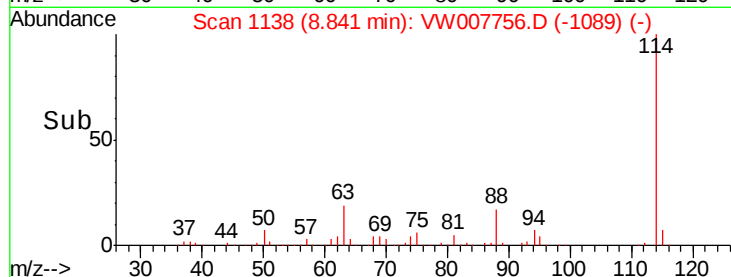
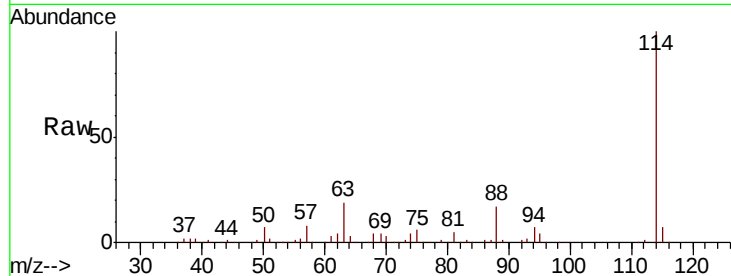
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007756.D
 Acq: 20 Dec 2018 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(6-8)

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	19.3	0.0	40.0
88	16.6	0.0	32.6

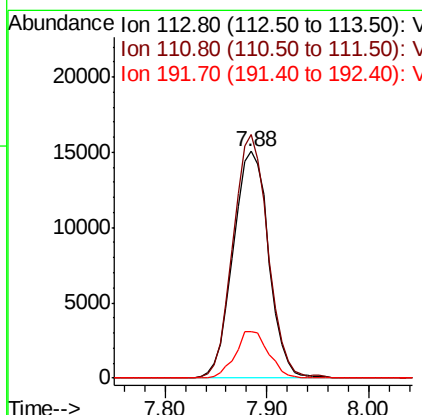
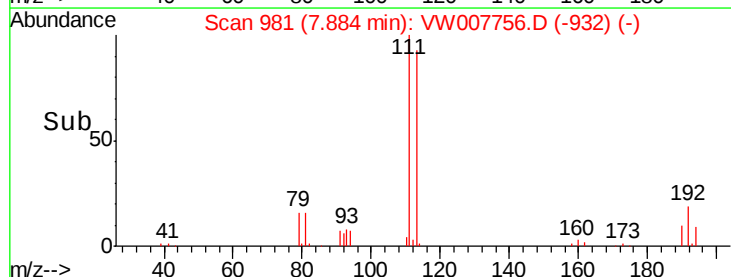
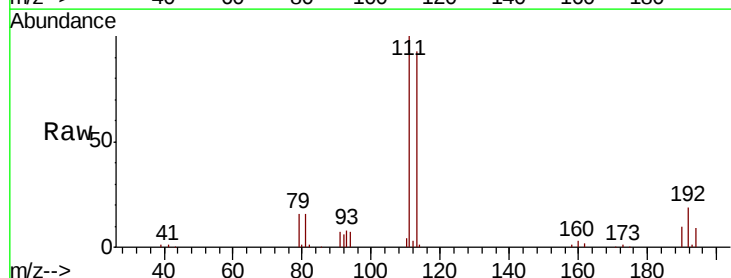
Manual Integrations
 APPROVED

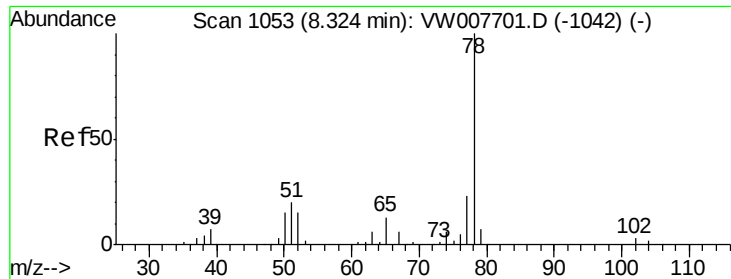
apatel
 12/21/2018 11:04:06 AM



#35
 Dibromofluoromethane
 Concen: 41.068 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007756.D
 Acq: 20 Dec 2018 19:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	104.7	82.6	124.0
192	19.2	15.5	23.3





#40

Benzene

Concen: 1.297 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(6-8)

Tgt Ion: 78 Resp: 4869

Ion Ratio Lower Upper

78 100

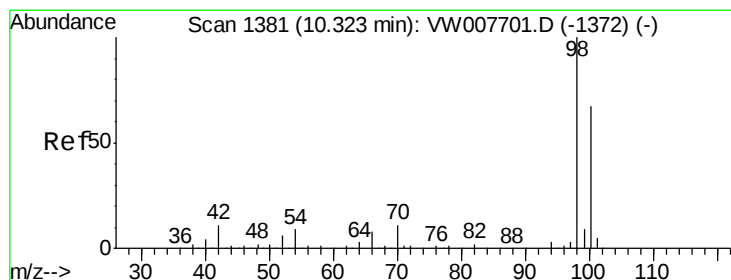
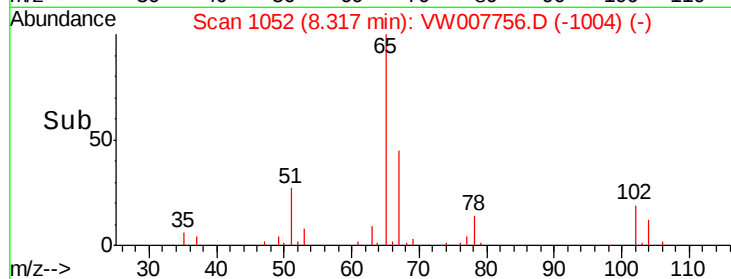
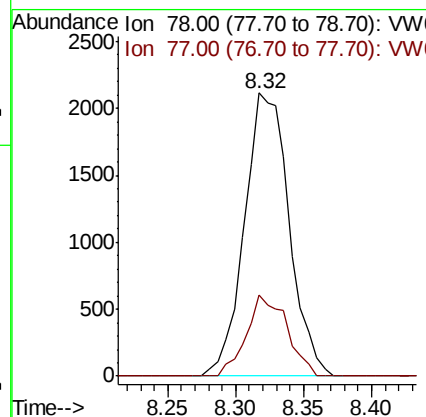
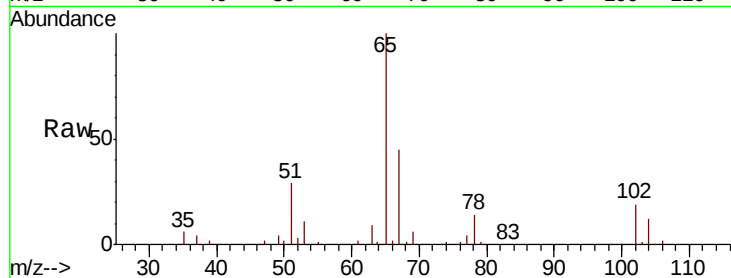
77 28.7 18.7 28.1#

Manual Integrations

APPROVED

apatel

12/21/2018 11:04:06 AM



#50

Toluene-d8

Concen: 38.377 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007756.D

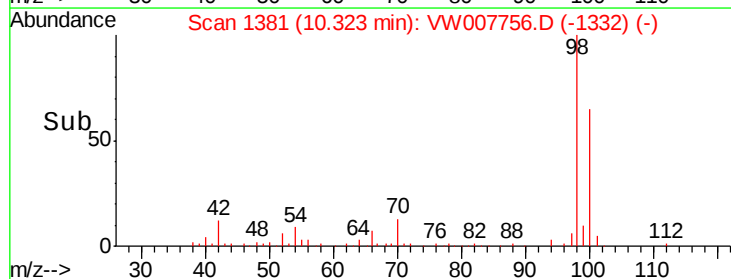
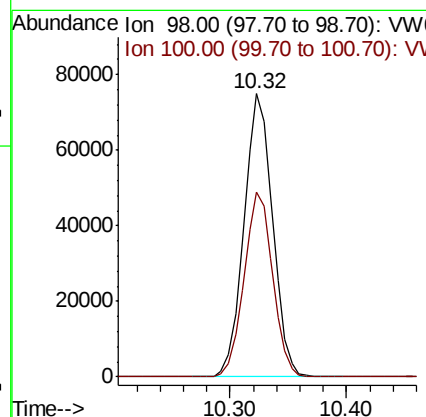
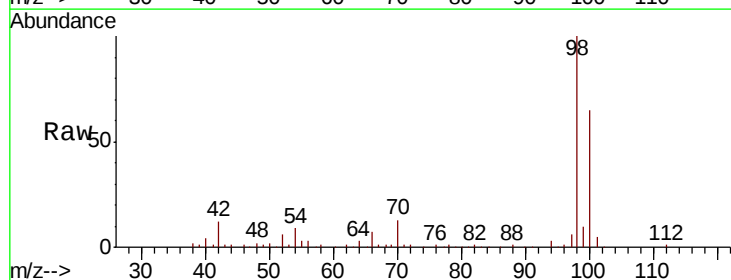
Acq: 20 Dec 2018 19:16

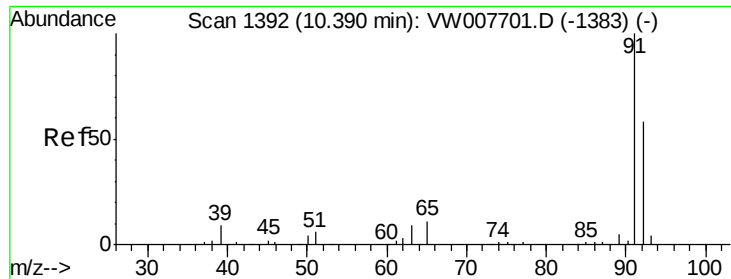
Tgt Ion: 98 Resp: 128630

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2





#52

Toluene

Concen: 13.435 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(6-8)

Tgt Ion: 92 Resp: 33836

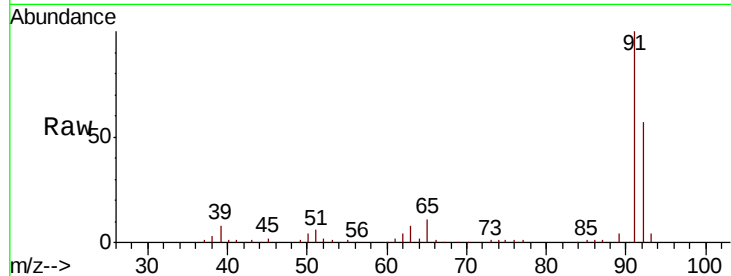
Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.4

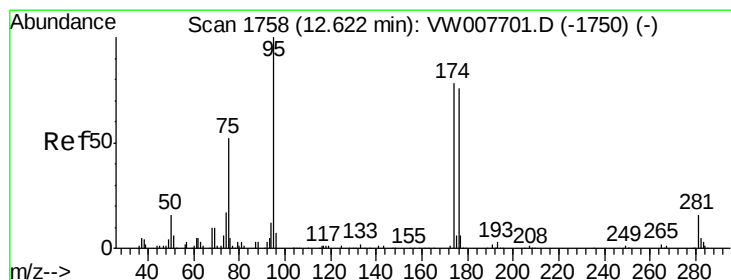
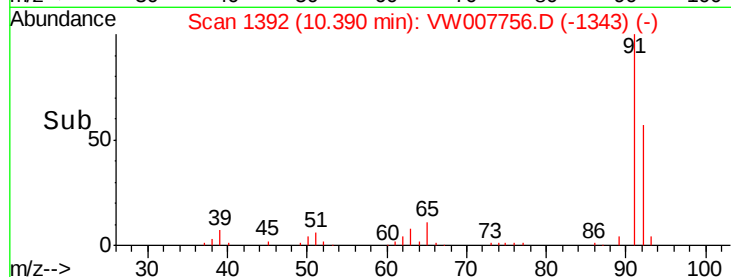
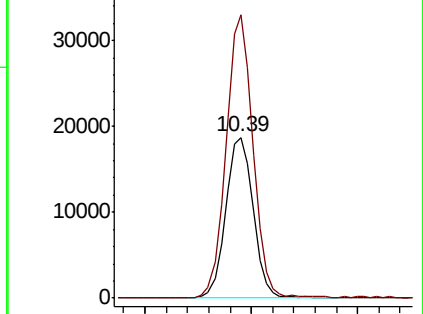
Manual Integrations
APPROVED

apatel
12/21/2018 11:04:06 AM



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 40.760 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

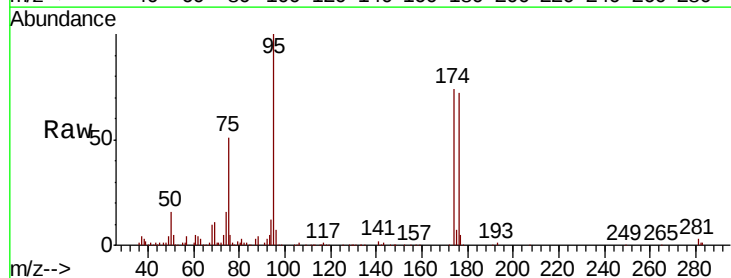
Tgt Ion: 95 Resp: 52778

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.2

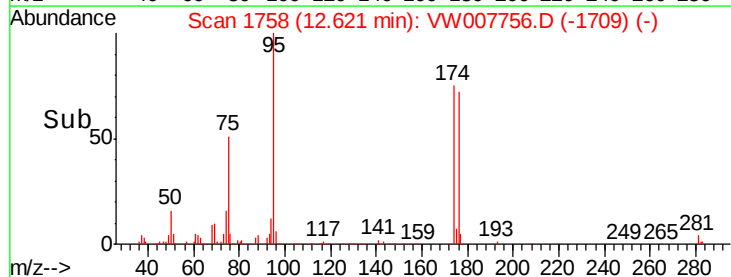
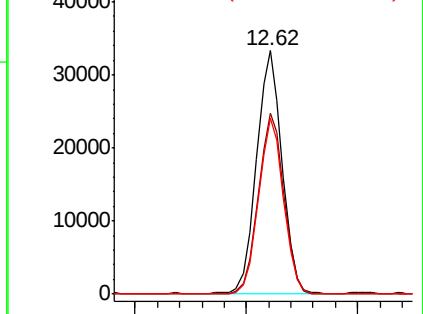
176 71.4 0.0 146.8

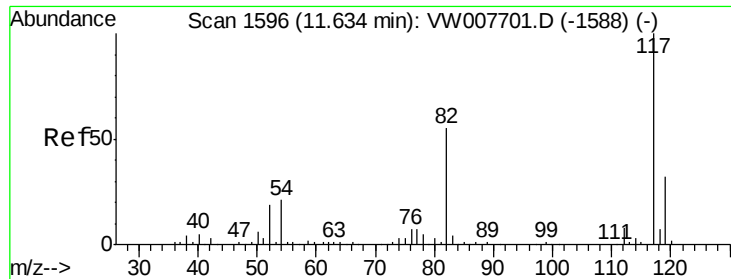


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Instrument :

MSVOA_W

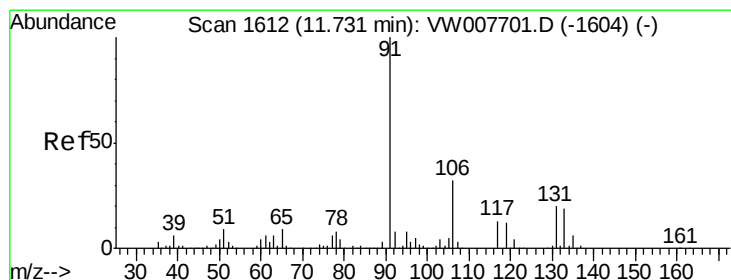
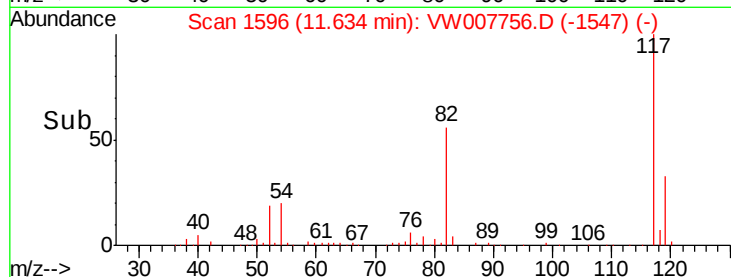
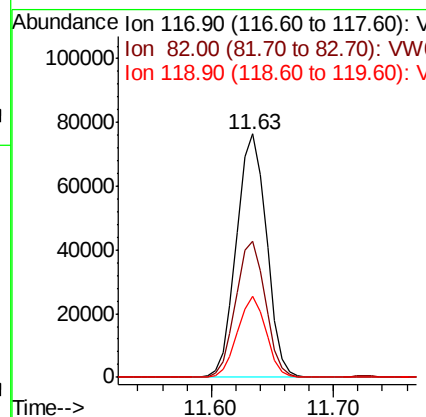
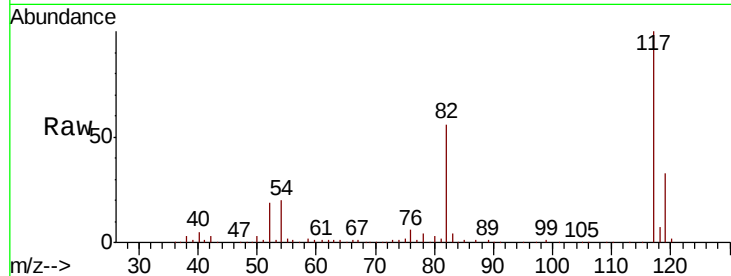
ClientSampleId :

KY001SB106-121218-(6-8)

Tgt Ion:	117	Resp:	129720
Ion Ratio	Lower	Upper	
117	100		
82	55.5	44.3	66.5
119	33.3	25.7	38.5

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:06 AM



#67

Ethyl Benzene

Concen: 4.729 ug/l

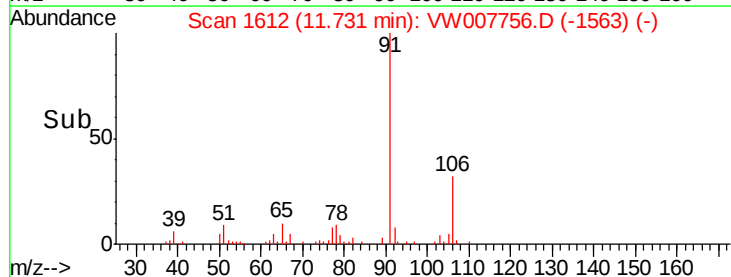
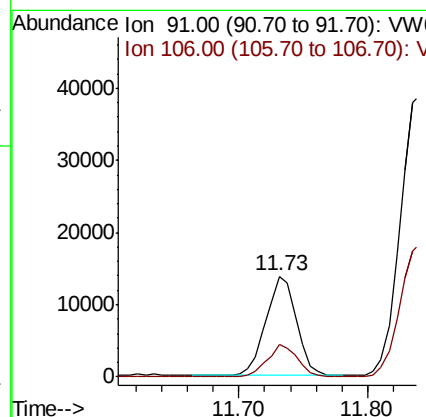
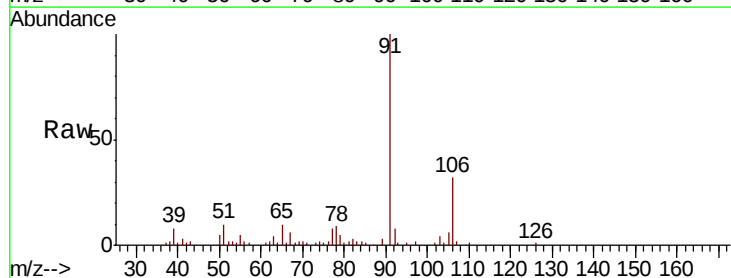
RT: 11.73 min Scan# 1612

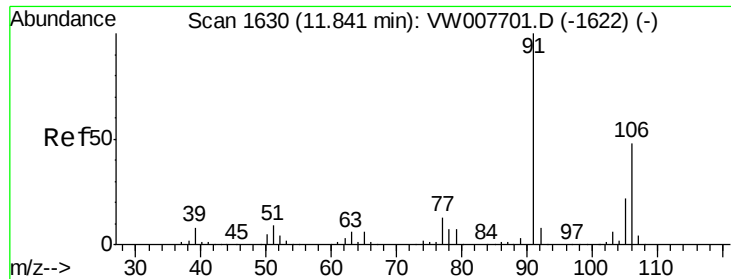
Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Tgt Ion:	91	Resp:	22786
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.8	38.8





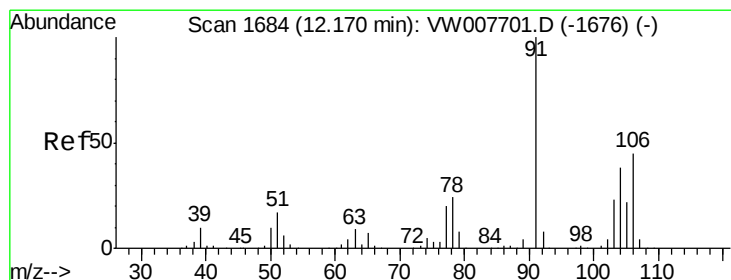
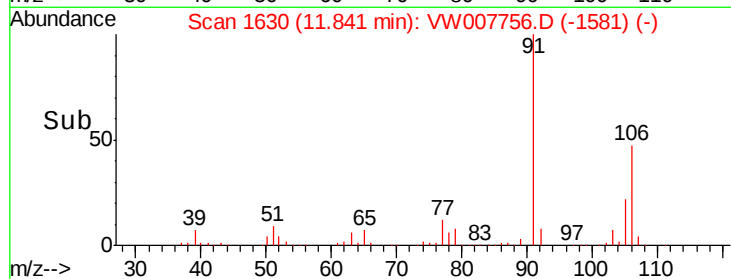
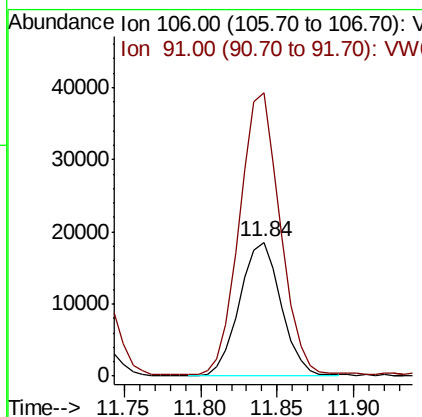
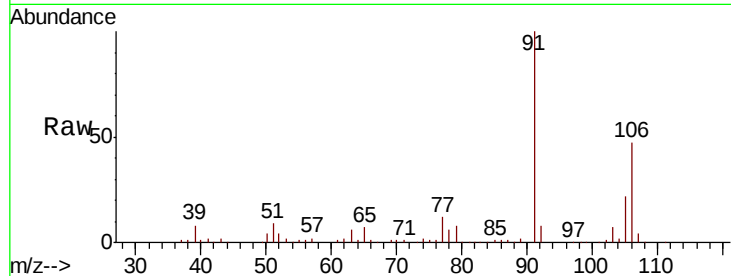
#68
m/p-Xylenes
Concen: 18.508 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(6-8)

Tgt Ion:106 Resp: 34590
Ion Ratio Lower Upper
106 100
91 207.3 165.2 247.8

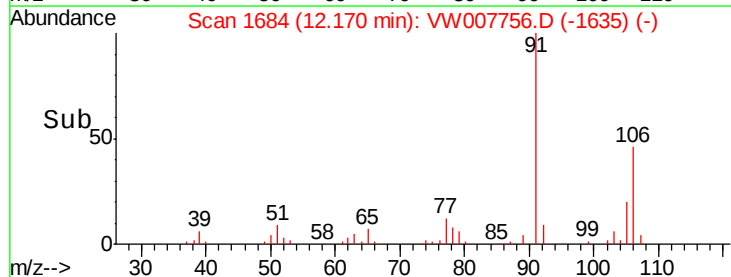
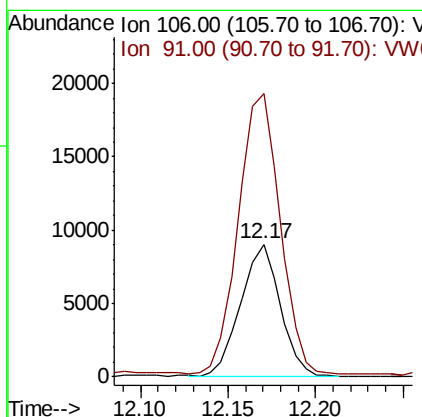
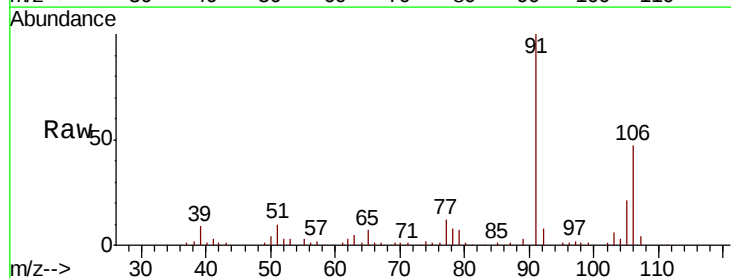
Manual Integrations
APPROVED

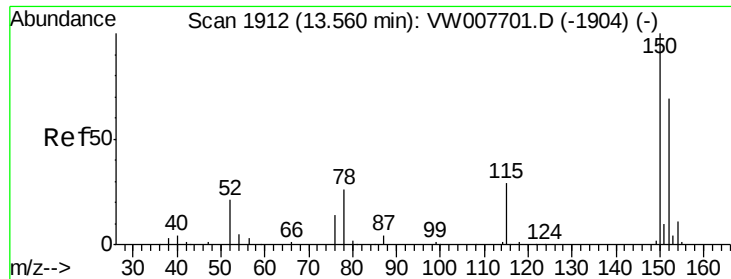
apatel
12/21/2018 11:04:06 AM



#69
o-Xylene
Concen: 8.194 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Tgt Ion:106 Resp: 14356
Ion Ratio Lower Upper
106 100
91 220.1 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Instrument :

MSVOA_W

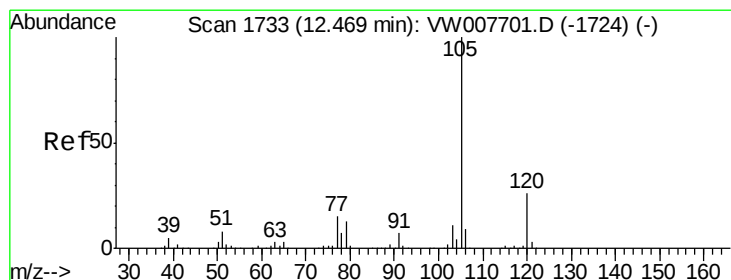
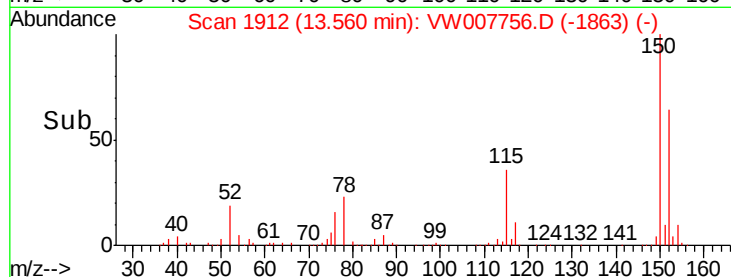
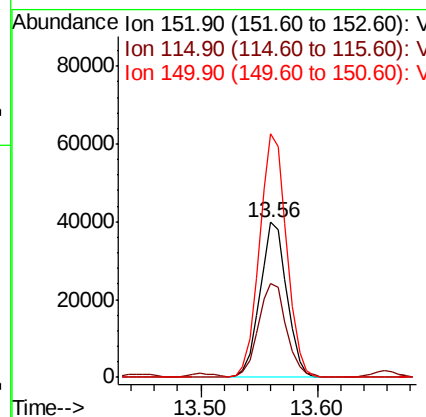
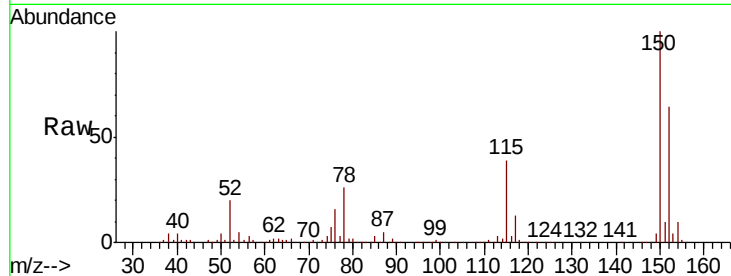
ClientSampleId :

KY001SB106-121218-(6-8)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.8	95.4
150	157.4	0.0	350.8

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:06 AM



#73

Isopropylbenzene

Concen: 6.378 ug/l

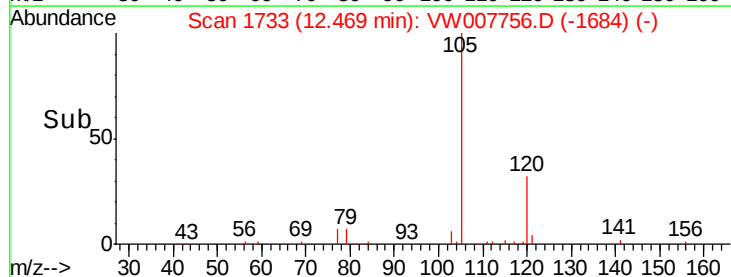
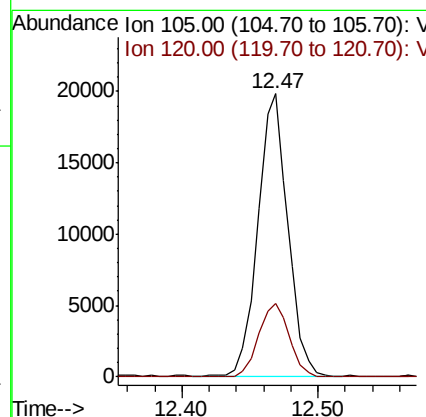
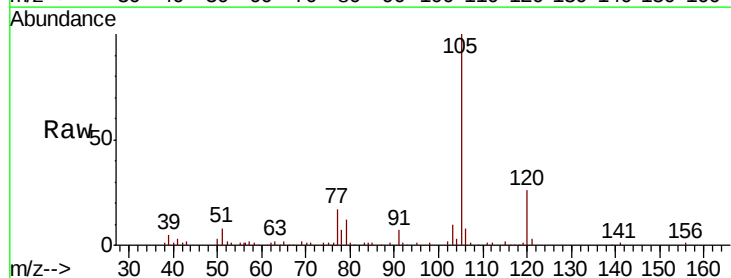
RT: 12.47 min Scan# 1733

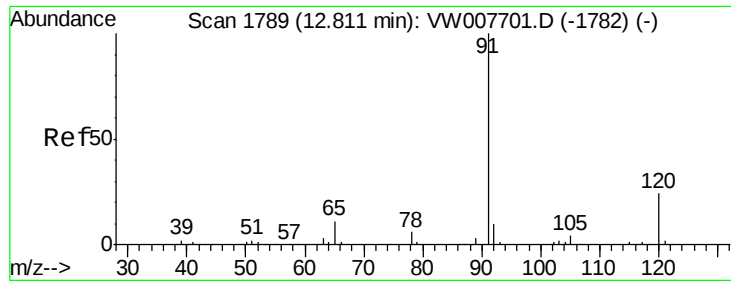
Delta R.T. -0.00 min

Lab File: VW007756.D

Acq: 20 Dec 2018 19:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3





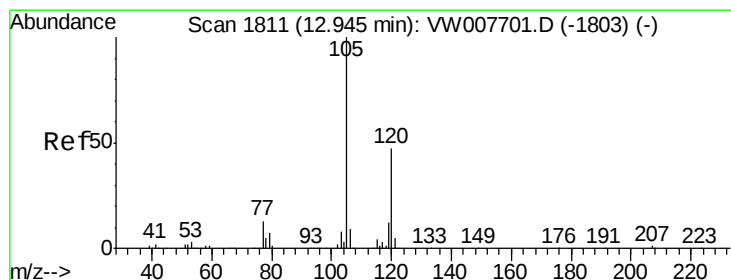
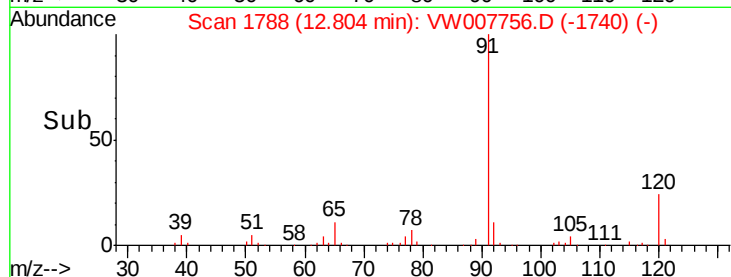
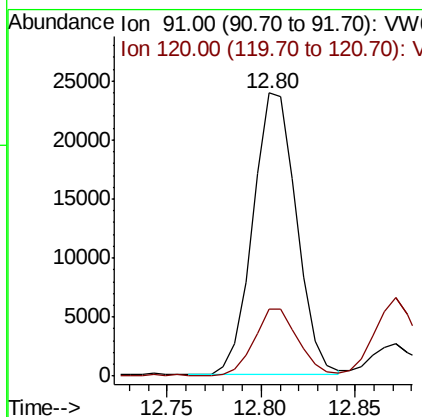
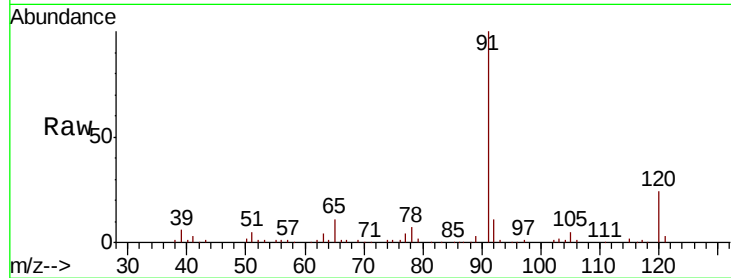
#78
n-propylbenzene
Concen: 6.798 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(6-8)

Tgt Ion: 91 Resp: 38203
Ion Ratio Lower Upper
91 100
120 24.4 11.9 35.7

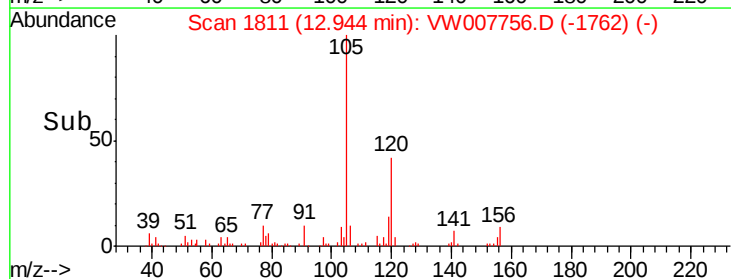
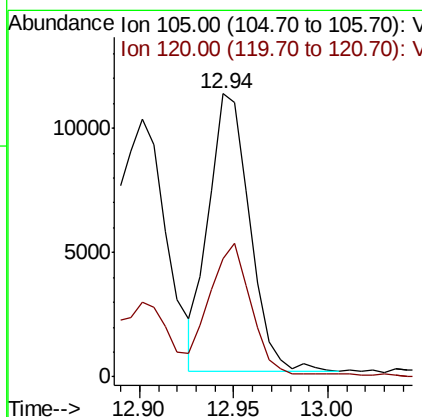
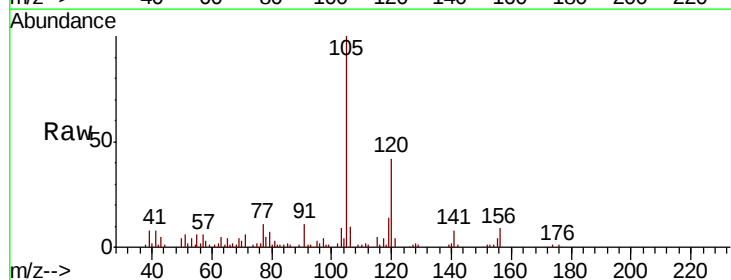
Manual Integrations
APPROVED

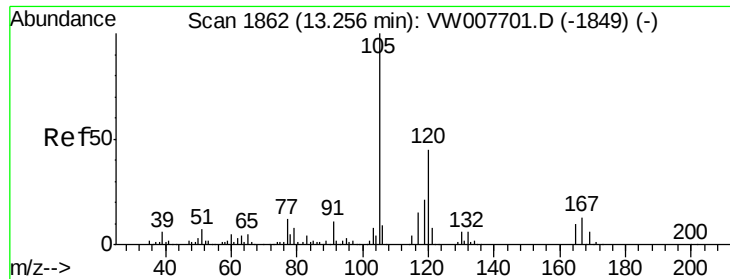
apatel
12/21/2018 11:04:06 AM



#80
1,3,5-Trimethylbenzene
Concen: 4.030 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Tgt Ion: 105 Resp: 16781
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8





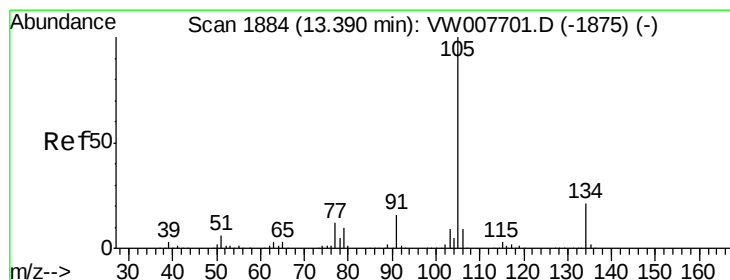
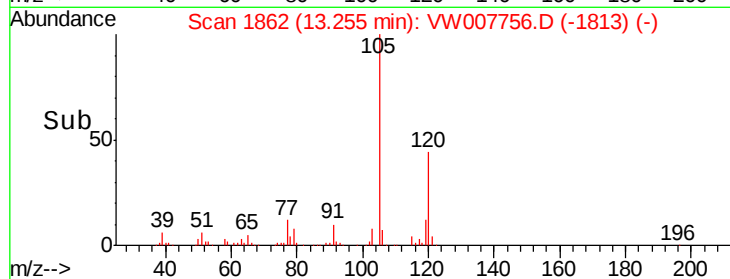
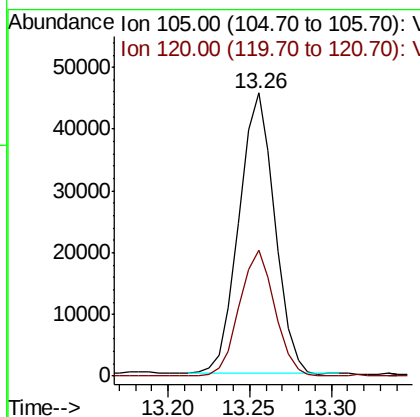
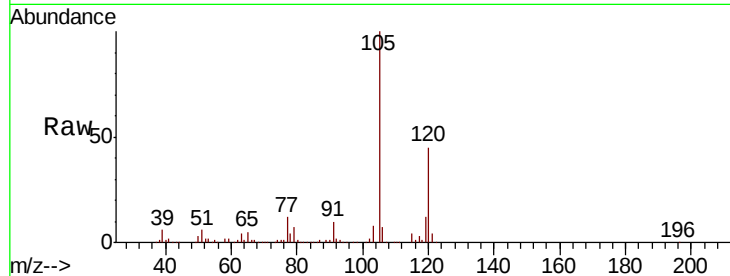
#84
1,2,4-Trimethylbenzene
Concen: 16.523 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(6-8)

Tgt Ion:105 Resp: 69434
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0

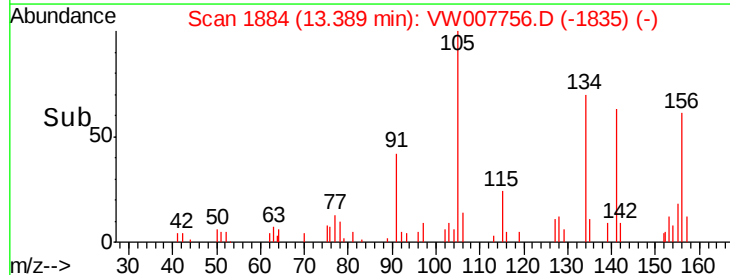
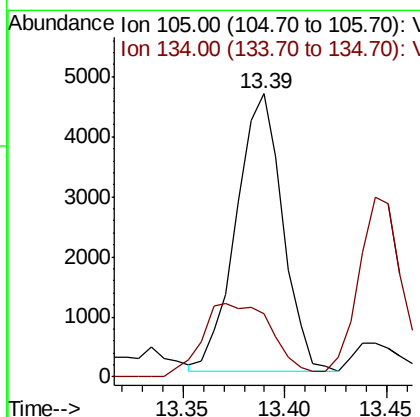
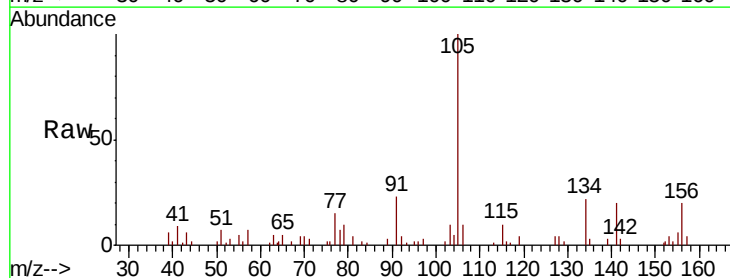
Manual Integrations
APPROVED

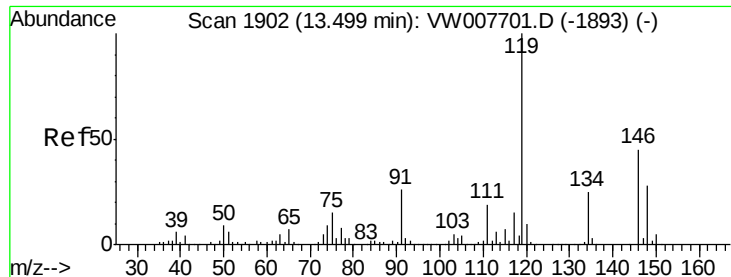
apatel
12/21/2018 11:04:06 AM



#85
sec-Butylbenzene
Concen: 1.451 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Tgt Ion:105 Resp: 7307
Ion Ratio Lower Upper
105 100
134 40.7 10.2 30.4#





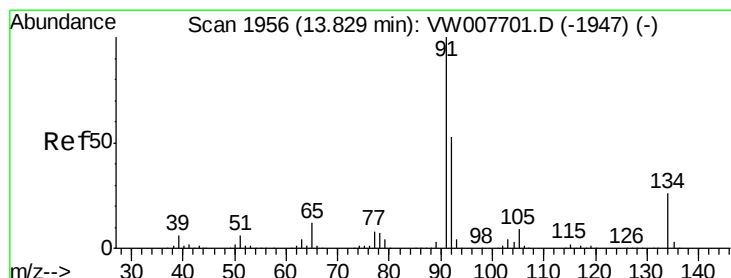
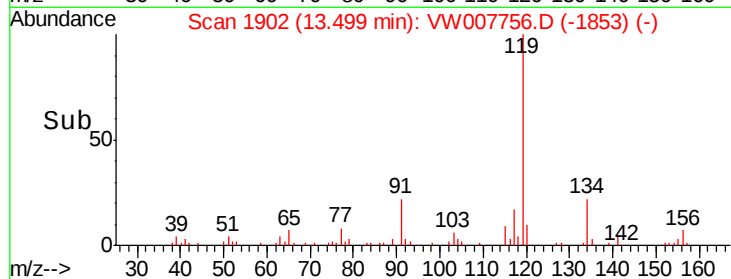
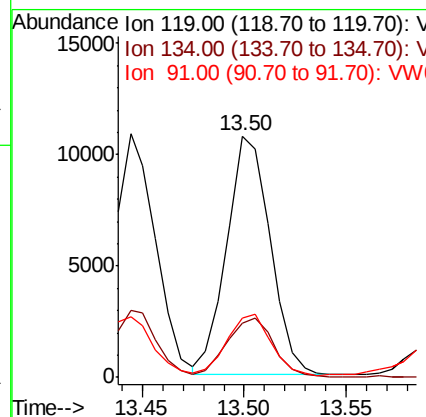
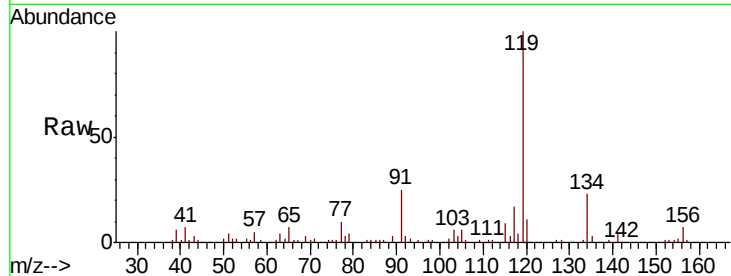
#86
p-Isopropyltoluene
Concen: 3.461 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(6-8)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.0	39.0
91	25.7	12.8	38.4

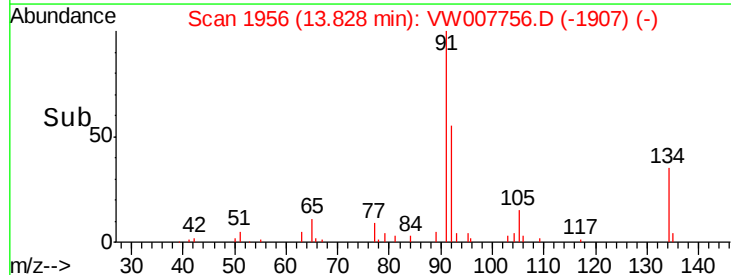
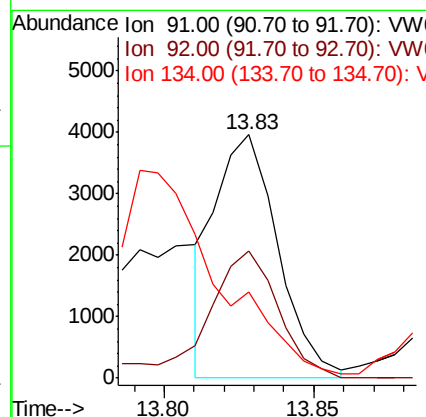
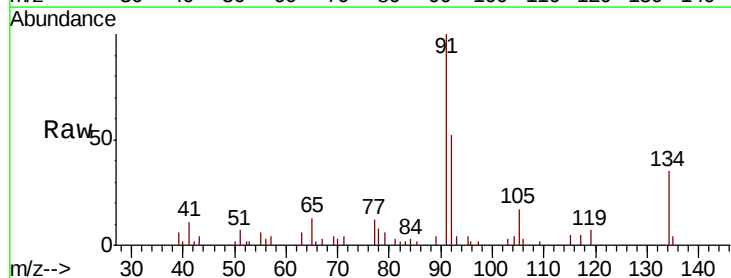
Manual Integrations
APPROVED

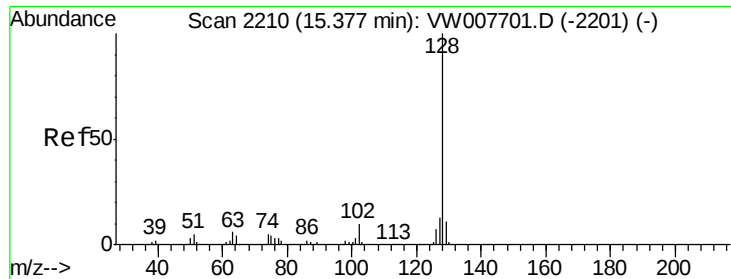
apatel
12/21/2018 11:04:06 AM



#89
n-Butylbenzene
Concen: 1.385 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	26.4	79.2
134	0.0	13.7	41.0#





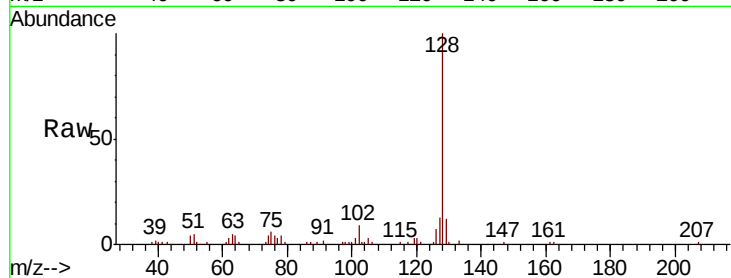
#95
Naphthalene
Concen: 10.491 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007756.D
Acq: 20 Dec 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(6-8)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	12.4	8.8	13.2

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:06 AM



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

