

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007806.D
 Acq On : 21 Dec 2018 20:15
 Operator : SY/AP
 Sample : J6392-08RE
 Misc : 6.73G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:59:16 AM

Quant Time: Dec 22 02:53:24 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	40172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	51759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	24141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	6799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	20847	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.88	113	18555	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
50) Toluene-d8	10.32	98	49784	41.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.64%	
62) 4-Bromofluorobenzene	12.62	95	10274	22.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.68%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	21737	263.635	ug/l	97
25) 2-Butanone	7.17	43	7004	72.525	ug/l #	86
31) Cyclohexane	7.92	56	8116	12.382	ug/l #	45
39) Methylcyclohexane	9.34	83	12053	19.416	ug/l #	51
40) Benzene	8.32	78	10834	8.127	ug/l	94
67) Ethyl Benzene	11.73	91	152176	169.720	ug/l	97
68) m/p-Xylenes	11.83	106	1200m	3.450	ug/l	
69) o-Xylene	12.16	106	554	1.699	ug/l	71
73) Isopropylbenzene	12.46	105	57135	111.173	ug/l	99
78) n-propylbenzene	12.80	91	129696	216.794	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	158243	356.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	27153	60.702	ug/l	96
85) sec-Butylbenzene	13.39	105	15394	28.717	ug/l #	55
86) p-Isopropyltoluene	13.51	119	7499	15.384	ug/l	93
89) n-Butylbenzene	13.83	91	5616m	12.566	ug/l	
95) Naphthalene	15.38	128	4781	17.793	ug/l	98

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

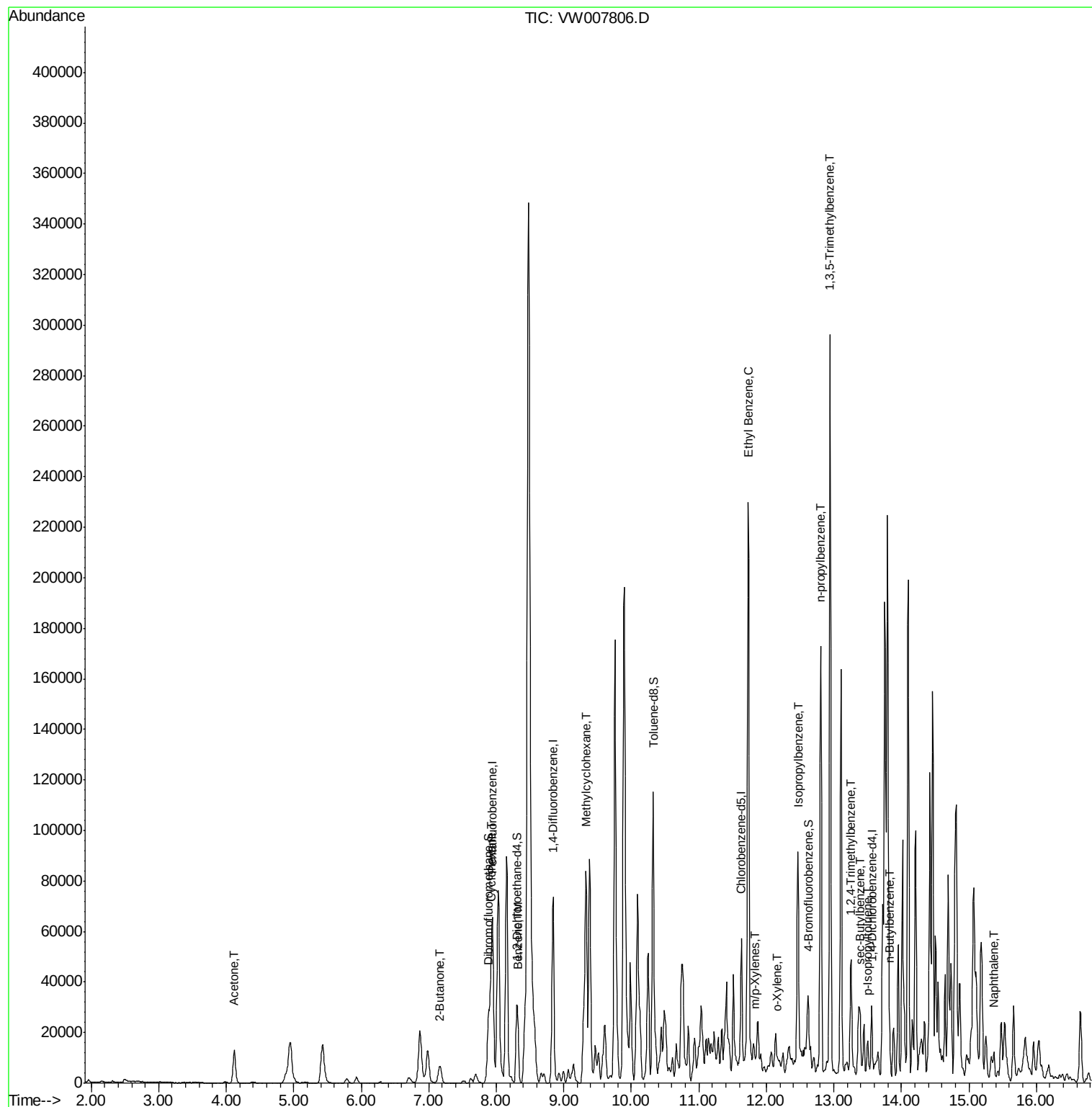
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007806.D
Acq On : 21 Dec 2018 20:15
Operator : SY/AP
Sample : J6392-08RE
Misc : 6.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

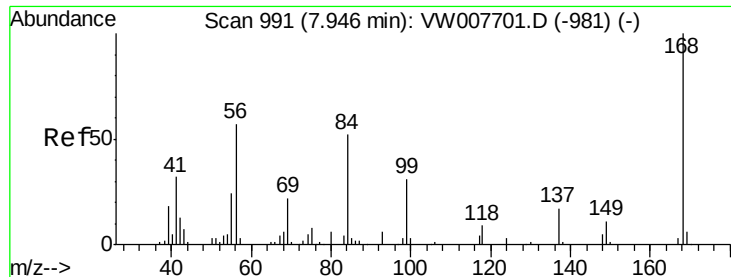
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:59:16 AM

Quant Time: Dec 22 02:53:24 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: VW007806.D

Acq: 21 Dec 2018 20:15

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(25-27)RE

Tot Ion:168 Resp: 40172

Ion Ratio Lower Upper

168 100

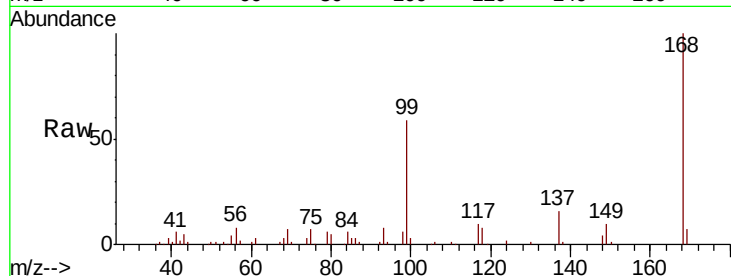
99 59.3 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

12/26/2018 10:59:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

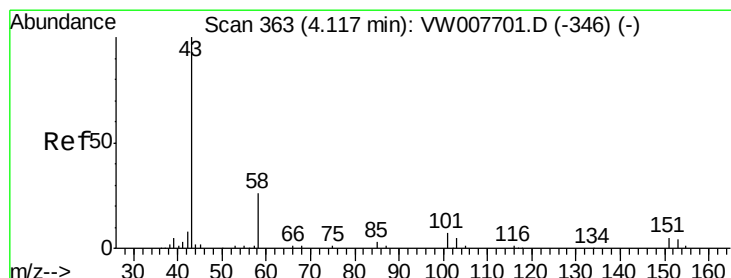
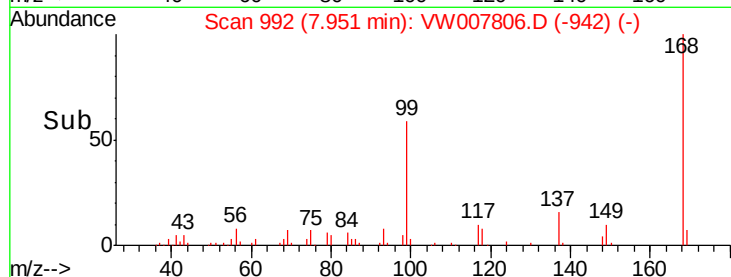
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 263.635 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007806.D

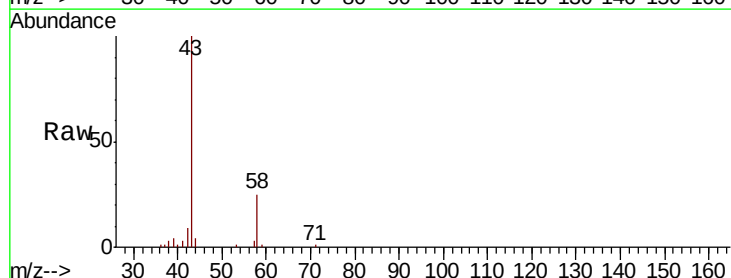
Acq: 21 Dec 2018 20:15

Tgt Ion: 43 Resp: 21737

Ion Ratio Lower Upper

43 100

58 25.0 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

8000

6000

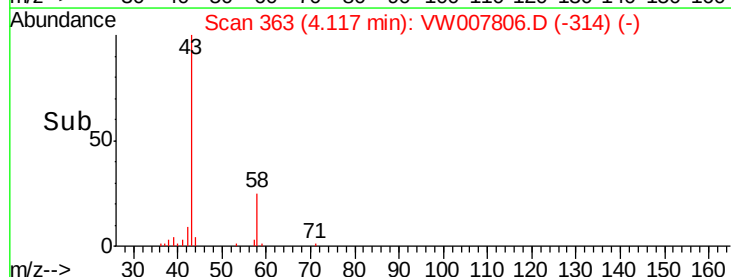
4000

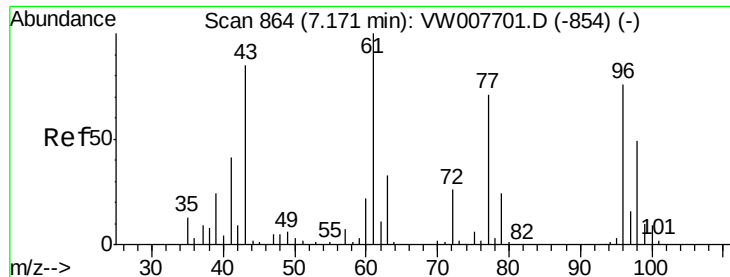
2000

0

4.00 4.10 4.20

Time-->





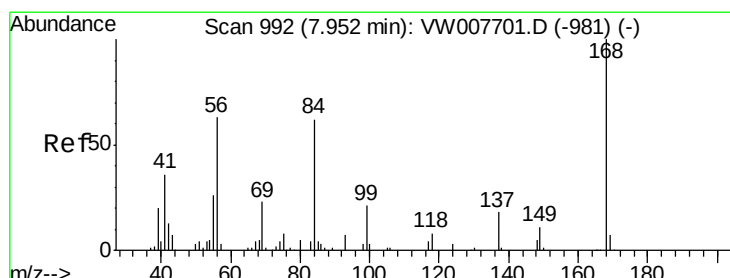
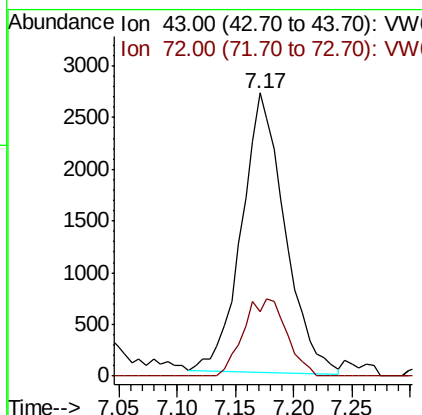
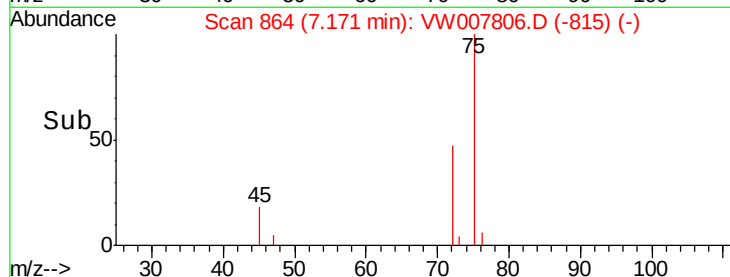
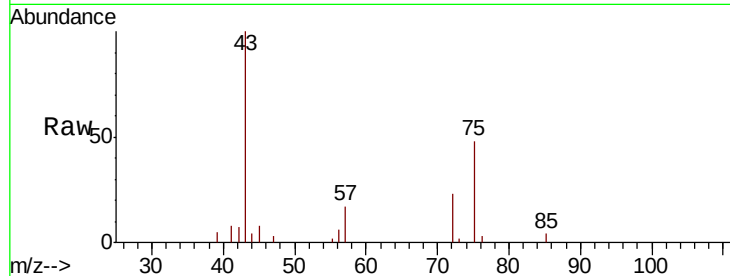
#25
2-Butanone
Concen: 72.525 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

Tot Ion: 43 Resp: 7004
Ion Ratio Lower Upper
43 100
72 23.1 24.5 36.7#

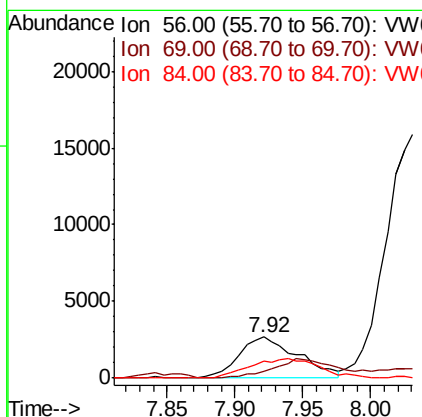
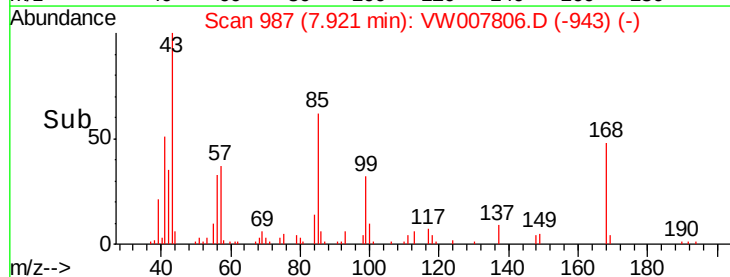
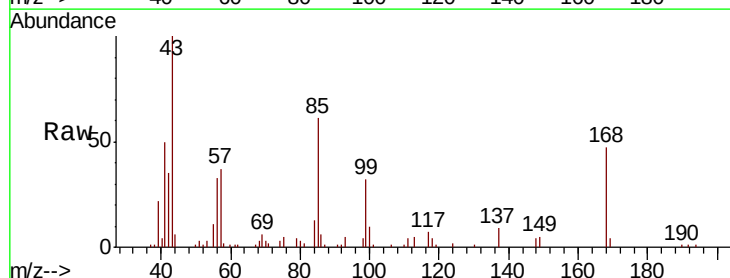
Manual Integrations
APPROVED

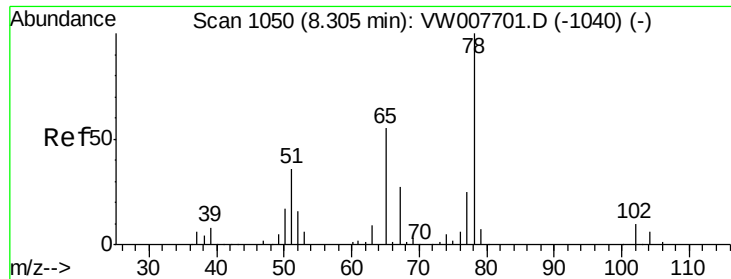
MMDadoda
12/26/2018 10:59:16 AM



#31
Cyclohexane
Concen: 12.382 ug/l
RT: 7.92 min Scan# 987
Delta R.T. -0.03 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Tgt Ion: 56 Resp: 8116
Ion Ratio Lower Upper
56 100
69 9.7 29.7 44.5#
84 40.7 78.9 118.3#





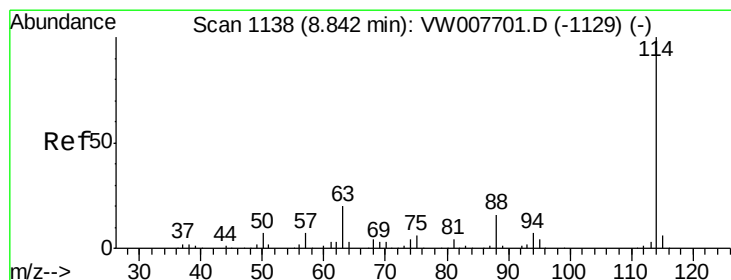
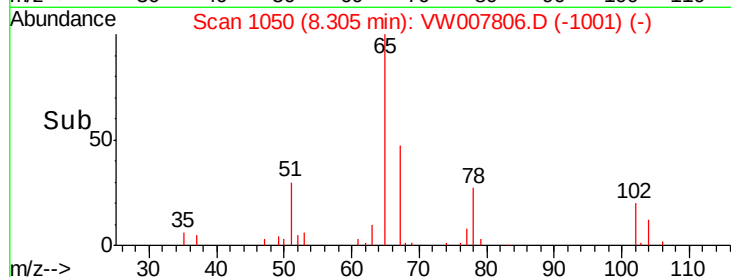
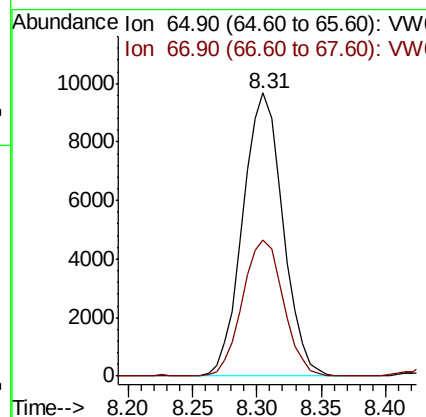
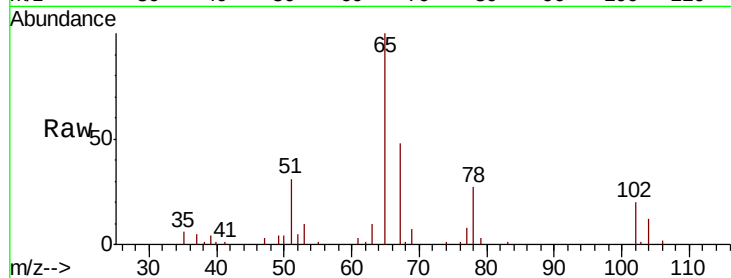
#33
 1,2-Dichloroethane-d4
 Concen: 47.347 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007806.D
 Acq: 21 Dec 2018 20:15

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	100.6

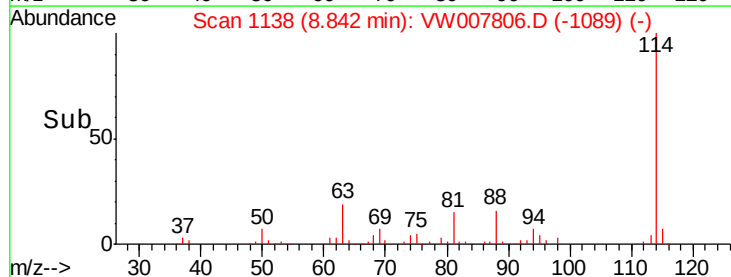
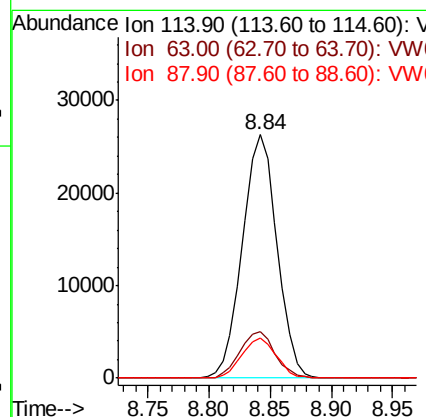
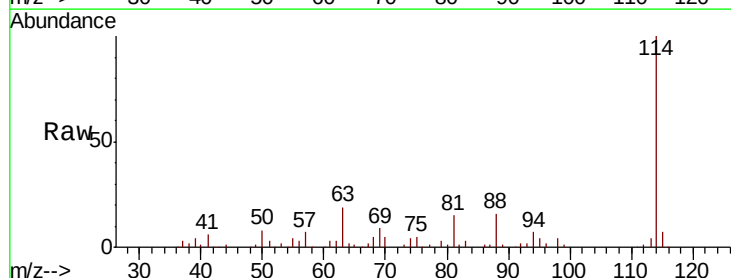
Manual Integrations
 APPROVED

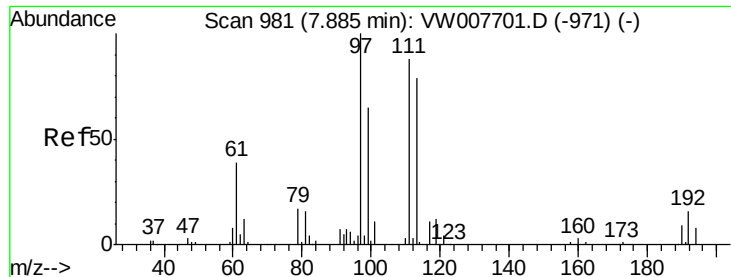
MMDadoda
 12/26/2018 10:59:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007806.D
 Acq: 21 Dec 2018 20:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.0
88	16.3	0.0	32.6





#35

Dibromofluoromethane

Concen: 58.764 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007806.D

Acq: 21 Dec 2018 20:15

Instrument :

MSVOA_W

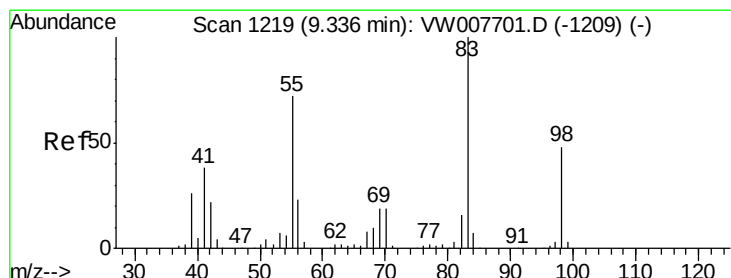
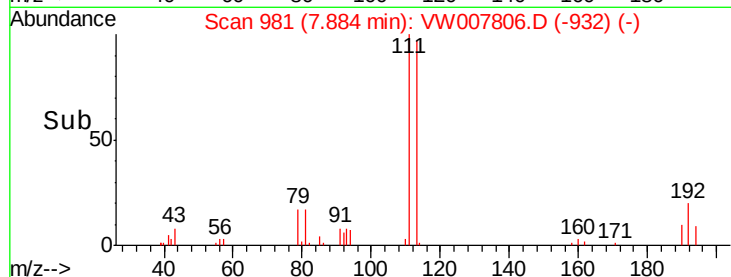
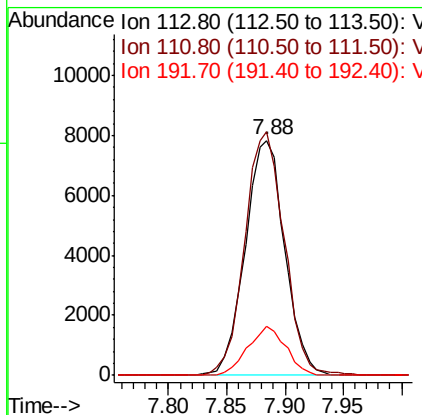
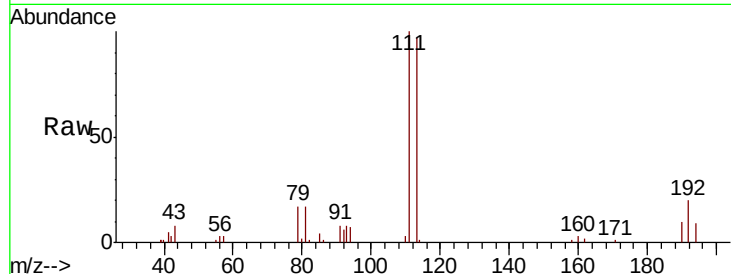
ClientSampleId :

KY001SB103-121118-(25-27)RE

Tot Ion:	113	Resp:	18555
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.6	124.0
192	19.8	15.5	23.3

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:59:16 AM



#39

Methylcyclohexane

Concen: 19.416 ug/l

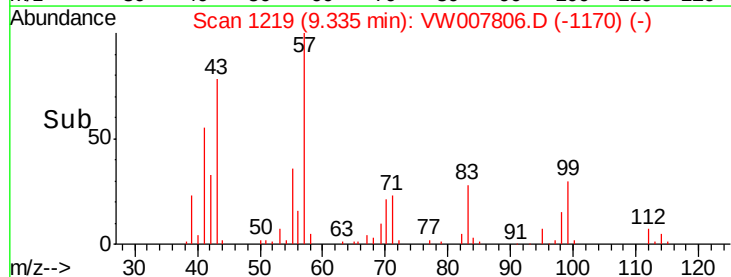
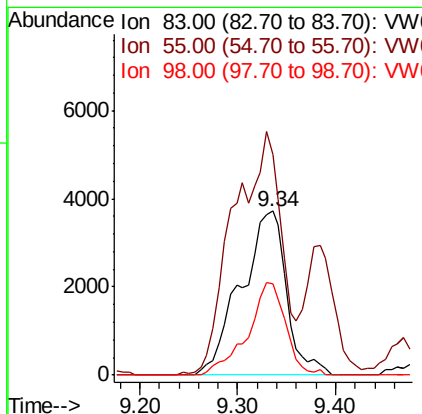
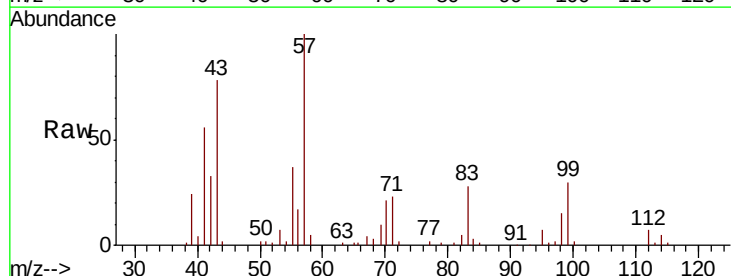
RT: 9.34 min Scan# 1219

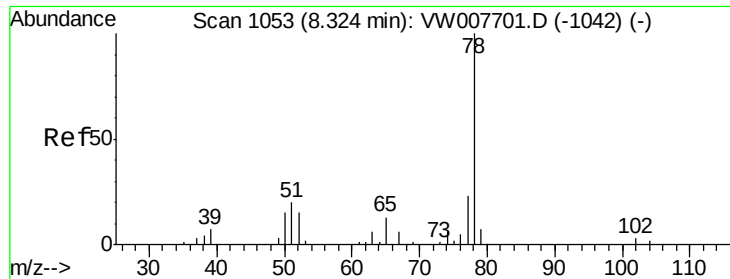
Delta R.T. -0.00 min

Lab File: VW007806.D

Acq: 21 Dec 2018 20:15

Tgt Ion:	83	Resp:	12053
Ion Ratio	Lower	Upper	
83	100		
55	133.6	57.2	85.8#
98	56.2	38.6	58.0





#40

Benzene

Concen: 8.127 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007806.D

Acq: 21 Dec 2018 20:15

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(25-27)RE

Tot Ion: 78 Resp: 10834

Ion Ratio Lower Upper

78 100

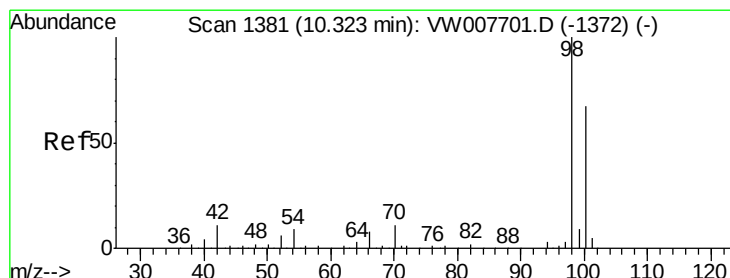
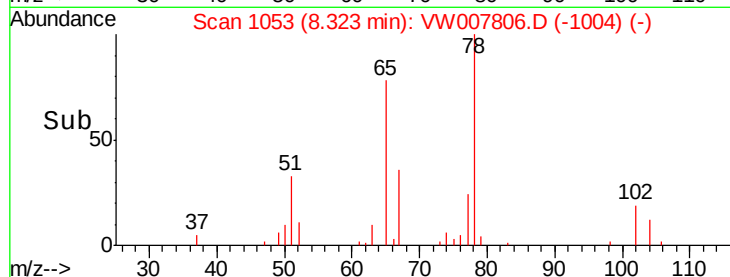
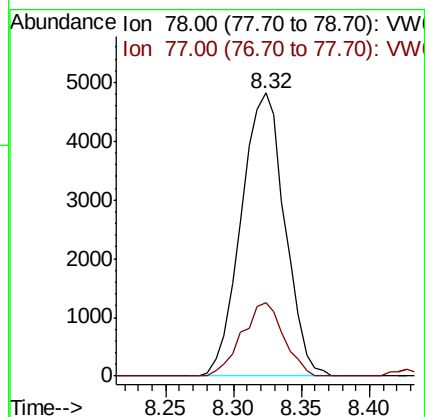
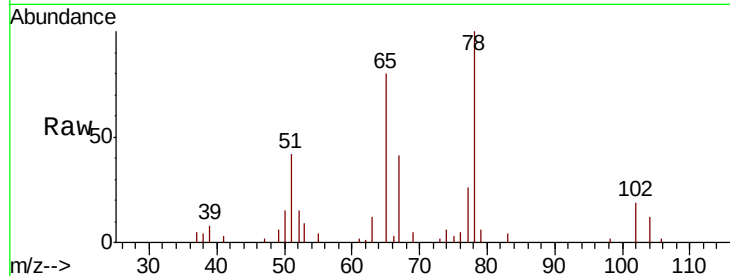
77 26.1 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

12/26/2018 10:59:16 AM



#50

Toluene-d8

Concen: 41.823 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007806.D

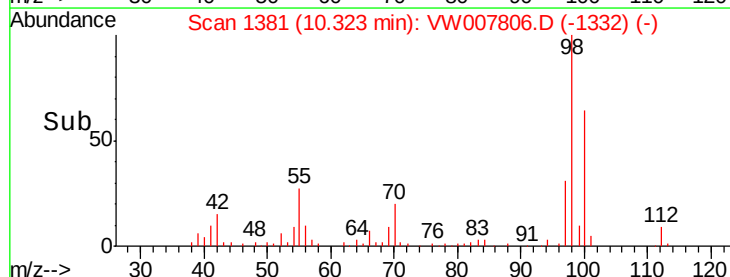
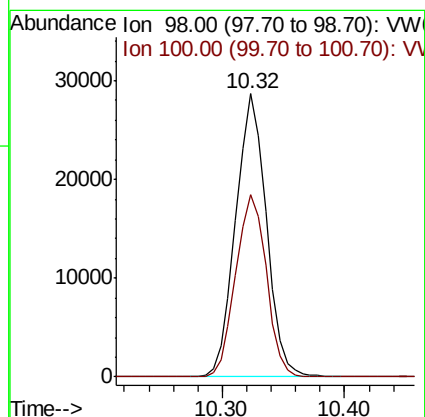
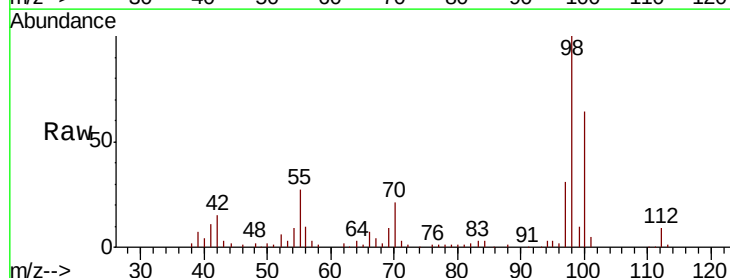
Acq: 21 Dec 2018 20:15

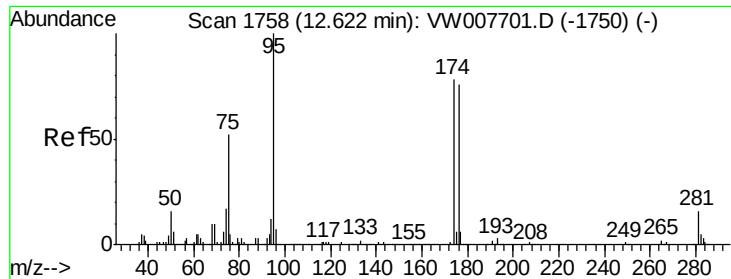
Tgt Ion: 98 Resp: 49784

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2





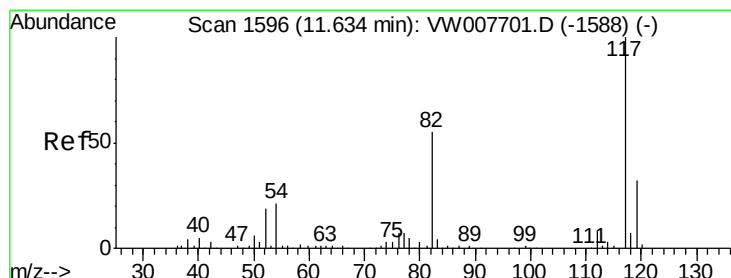
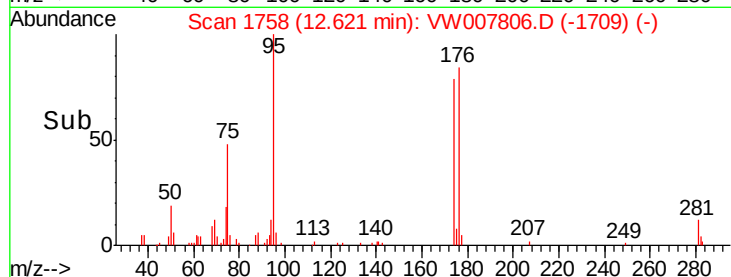
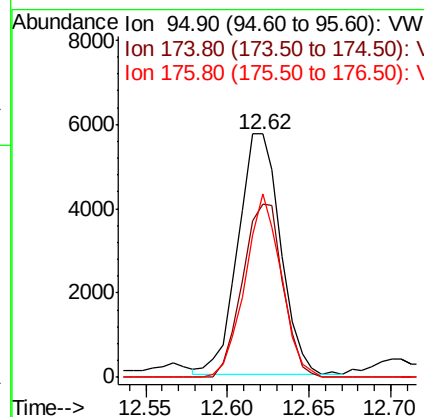
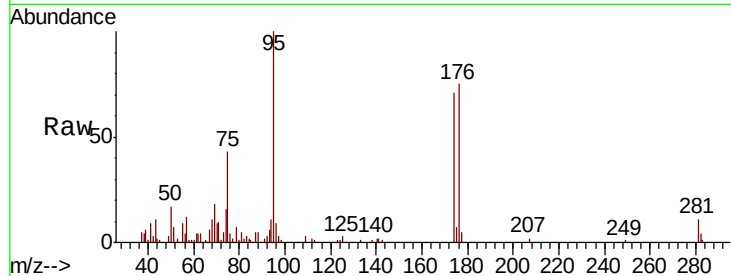
#62
4-Bromofluorobenzene
Concen: 22.342 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	152.2
176	65.1	0.0	146.8

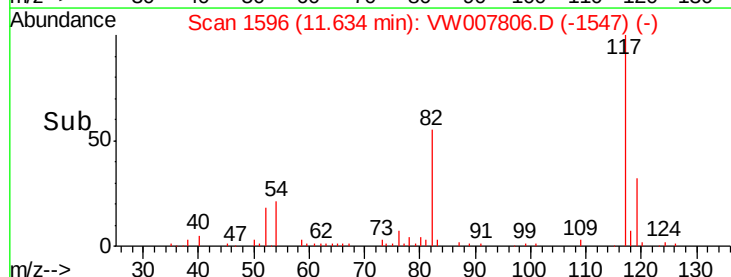
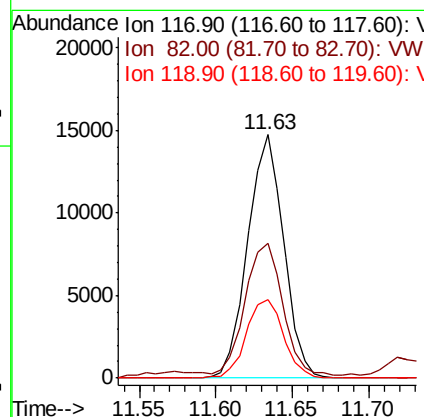
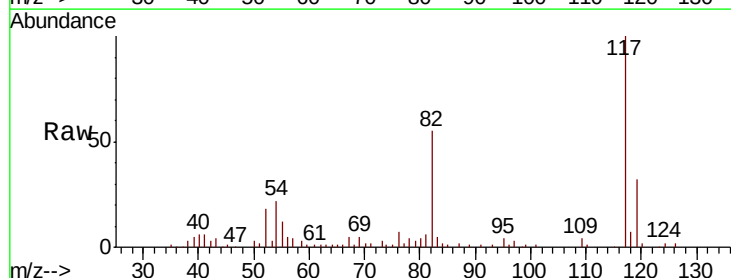
Manual Integrations
APPROVED

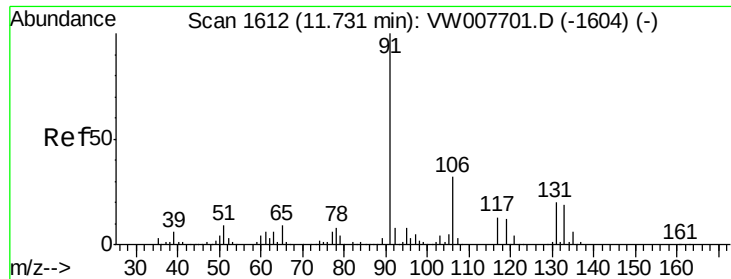
MMDadoda
12/26/2018 10:59:16 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.3	66.5
119	32.1	25.7	38.5





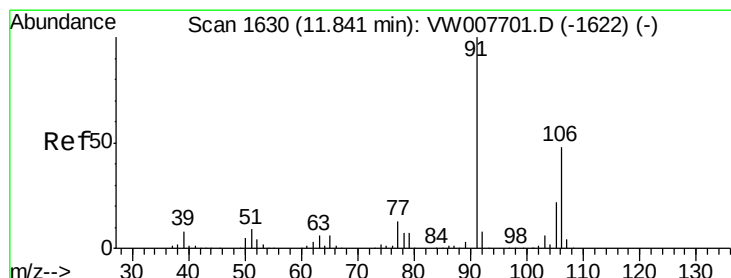
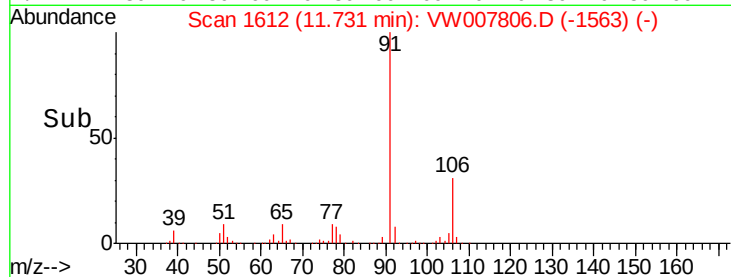
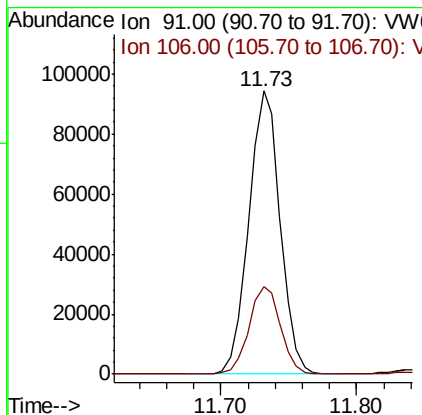
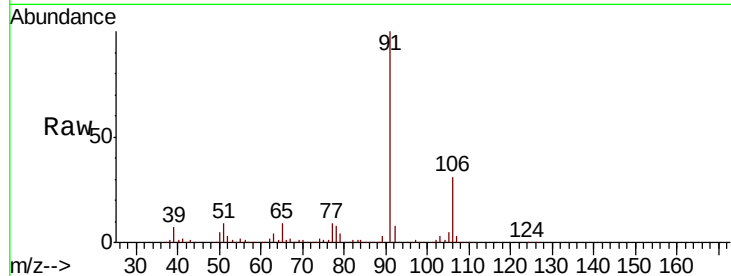
#67
Ethyl Benzene
Concen: 169.720 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

Tot Ion: 91 Resp: 152176
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8

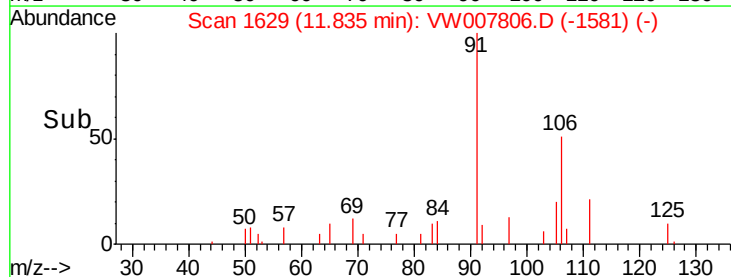
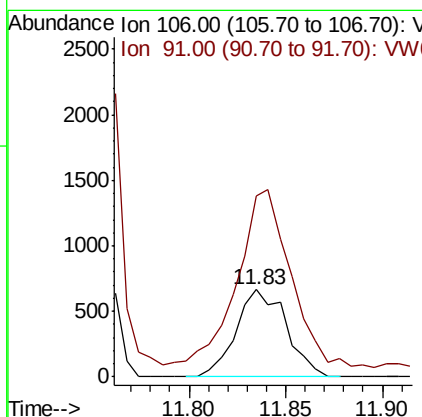
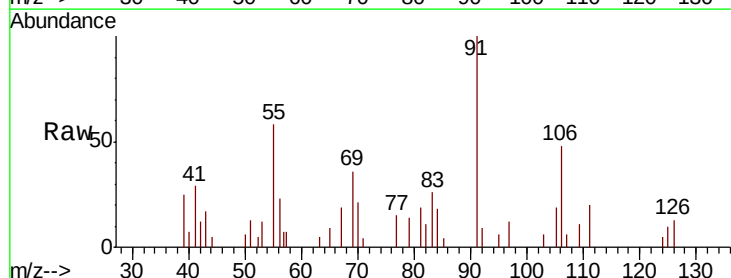
Manual Integrations
APPROVED

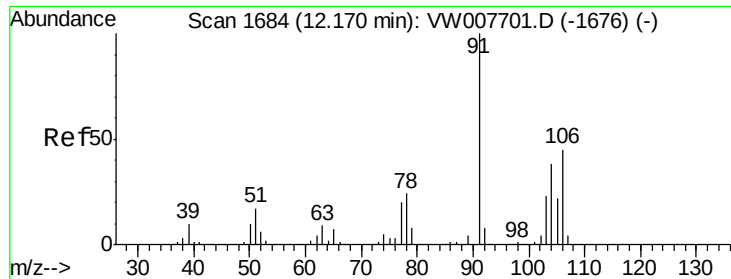
MMDadoda
12/26/2018 10:59:16 AM



#68
m/p-Xylenes
Concen: 3.450 ug/l m
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Tgt Ion: 106 Resp: 1200
Ion Ratio Lower Upper
106 100
91 12681.3 165.2 247.8#





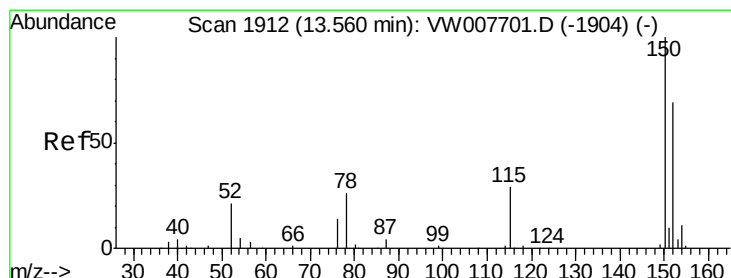
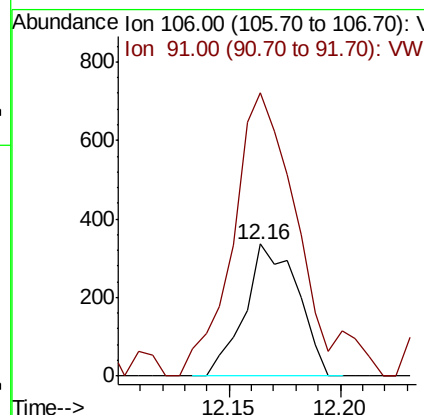
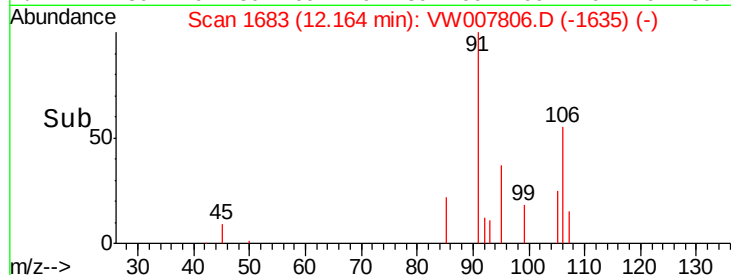
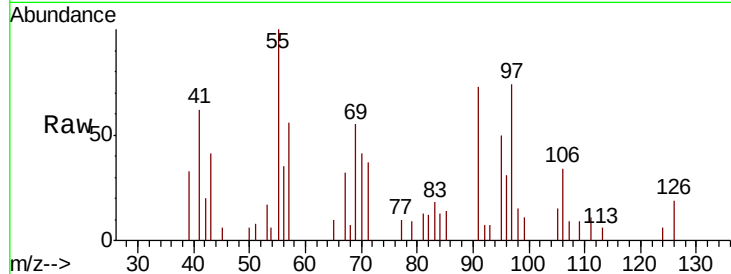
#69
o-Xylene
Concen: 1.699 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(25-27)RE

Tot Ion:106 Resp: 554
Ion Ratio Lower Upper
106 100
91 267.0 110.5 331.4

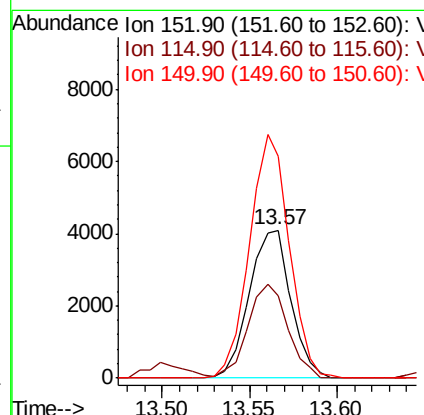
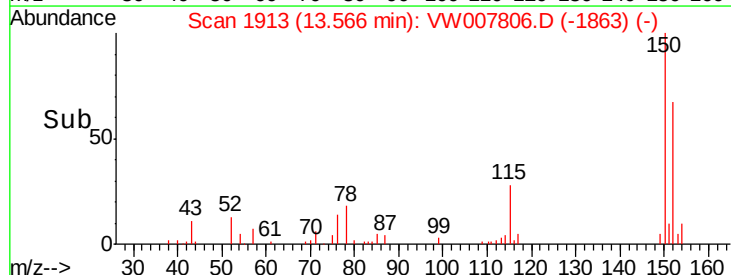
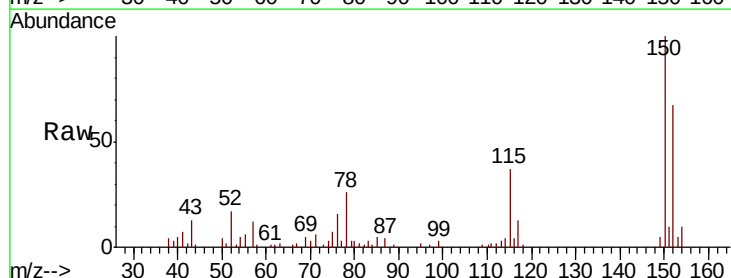
Manual Integrations
APPROVED

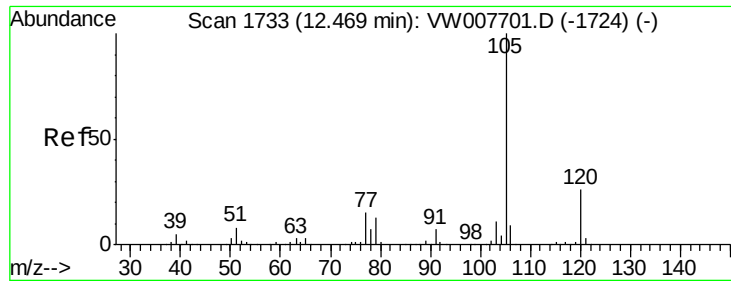
MMDadoda
12/26/2018 10:59:16 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007806.D
Acq: 21 Dec 2018 20:15

Tgt Ion:152 Resp: 6799
Ion Ratio Lower Upper
152 100
115 60.6 31.8 95.4
150 156.4 0.0 350.8





#73

Isopropylbenzene

Concen: 111.173 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW007806.D

Acq: 21 Dec 2018 20:15

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(25-27)RE

Tot Ion:105 Resp: 57135

Ion Ratio Lower Upper

105 100

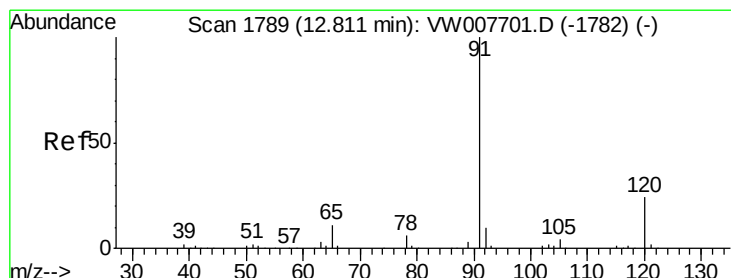
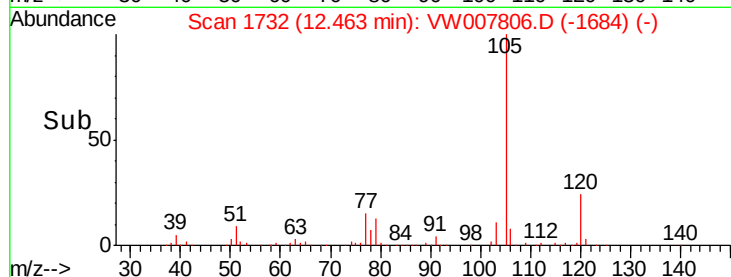
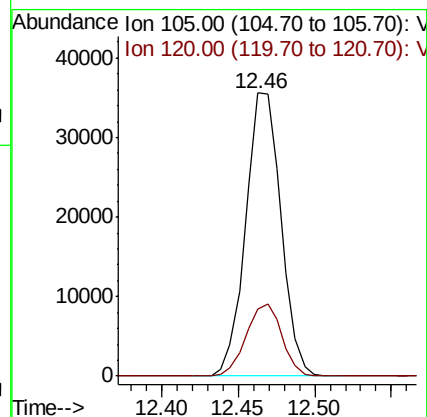
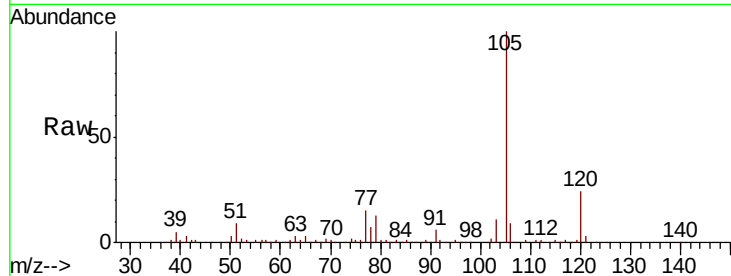
120 25.6 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

12/26/2018 10:59:16 AM



#78

n-propylbenzene

Concen: 216.794 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007806.D

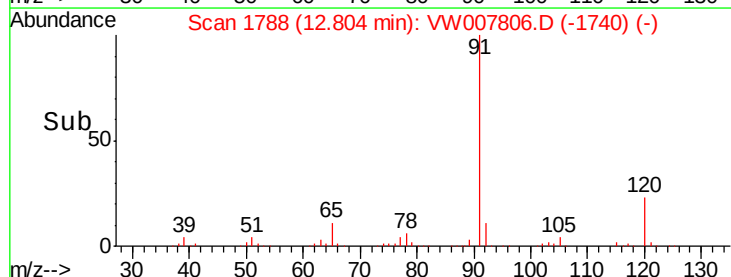
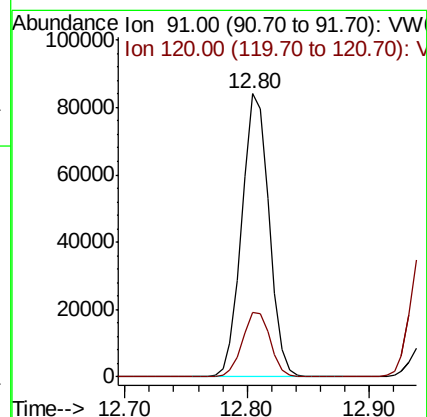
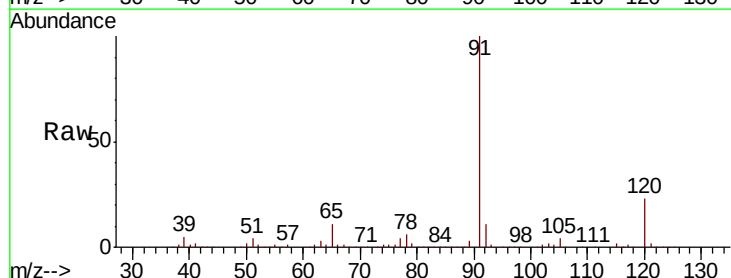
Acq: 21 Dec 2018 20:15

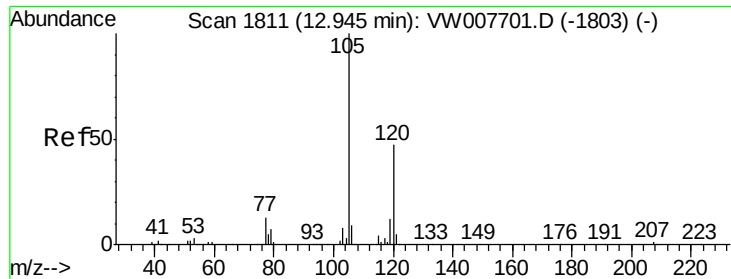
Tgt Ion: 91 Resp: 129696

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.7





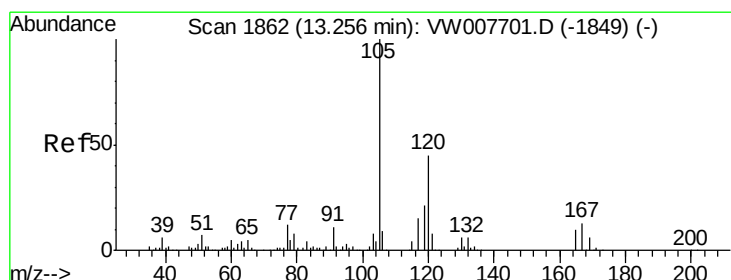
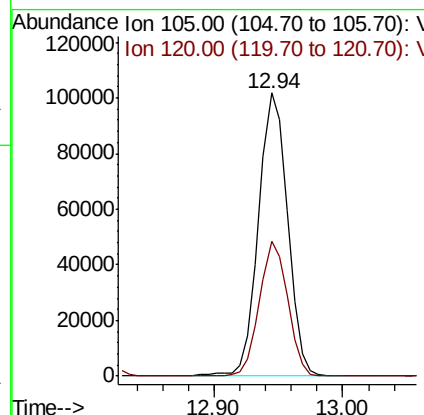
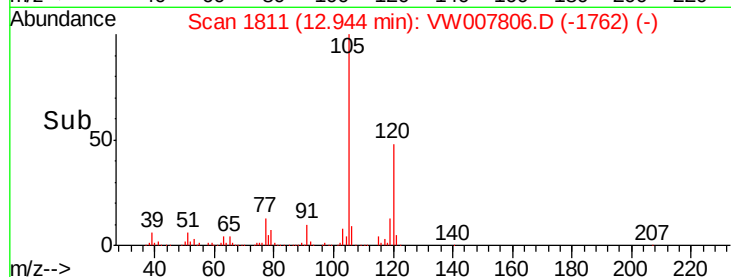
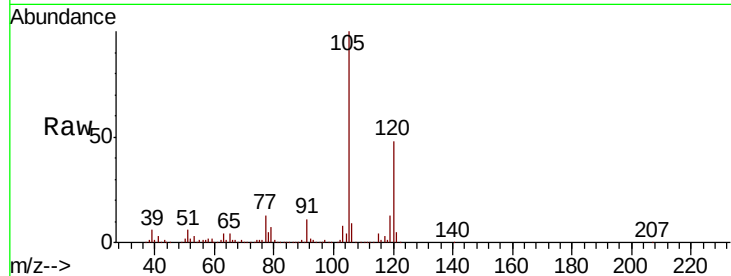
#80
 1,3,5-Trimethylbenzene
 Concen: 356.966 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007806.D
 Acq: 21 Dec 2018 20:15

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

Tot Ion:105 Resp: 158243
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.6 70.8

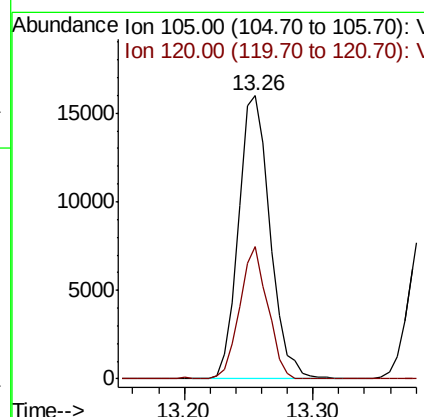
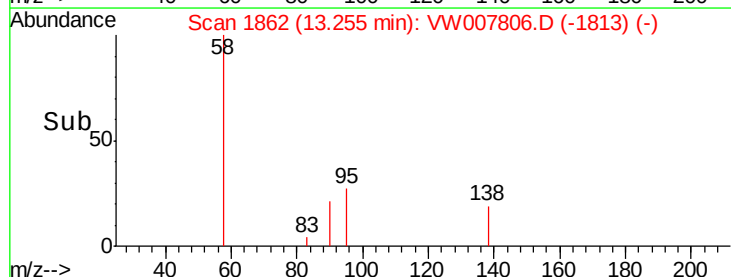
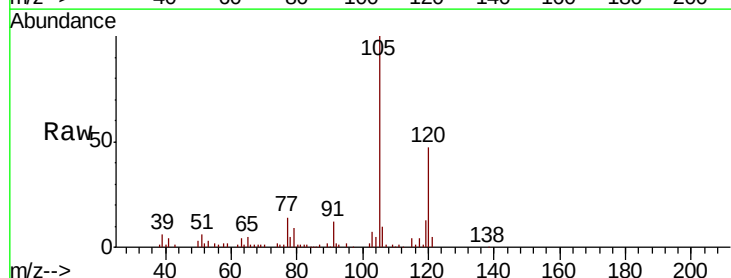
Manual Integrations
 APPROVED

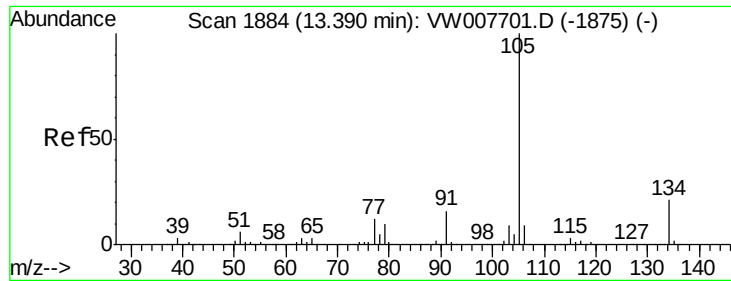
MMDadoda
 12/26/2018 10:59:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 60.702 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007806.D
 Acq: 21 Dec 2018 20:15

Tgt Ion:105 Resp: 27153
 Ion Ratio Lower Upper
 105 100
 120 41.7 22.0 66.0





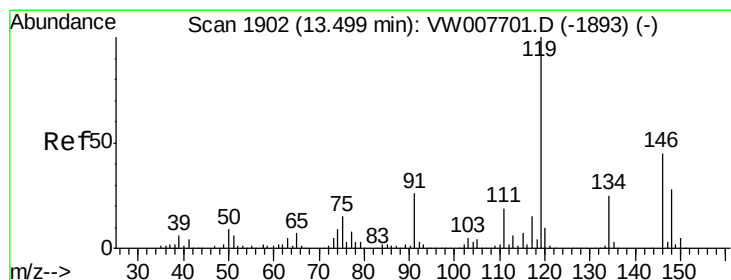
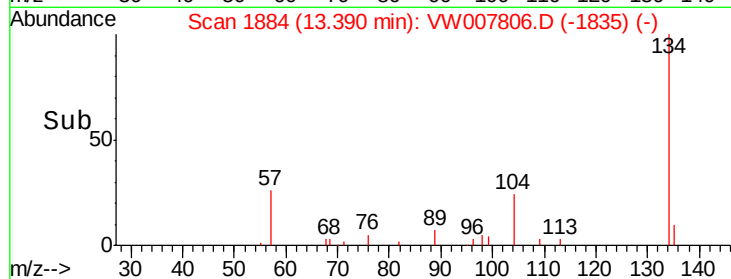
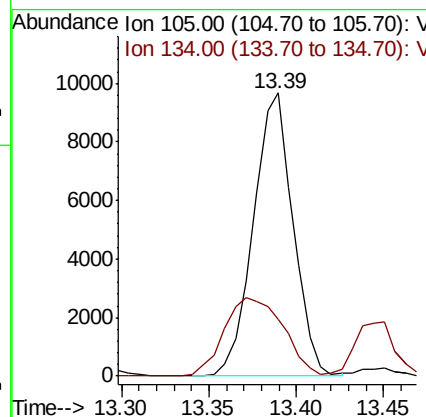
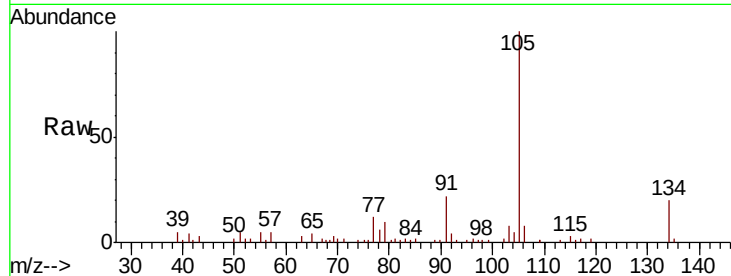
#85
 sec-Butylbenzene
 Concen: 28.717 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007806.D
 Acq: 21 Dec 2018 20:15

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(25-27)RE

Tot Ion:105 Resp: 15394
 Ion Ratio Lower Upper
 105 100
 134 41.0 10.2 30.4#

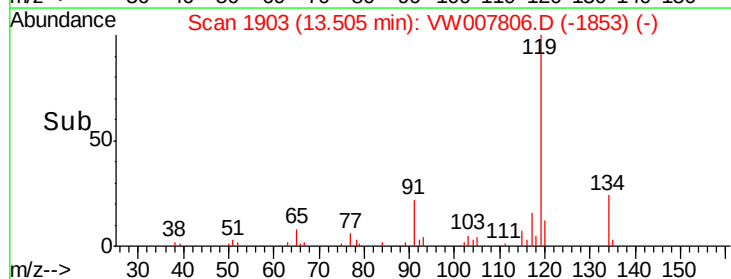
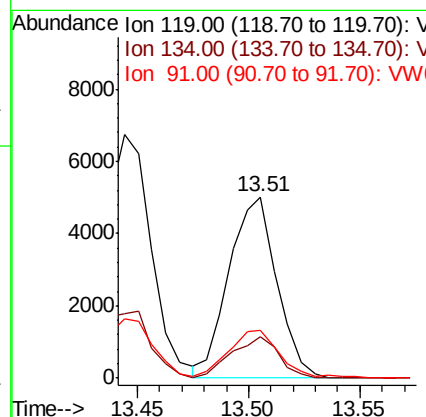
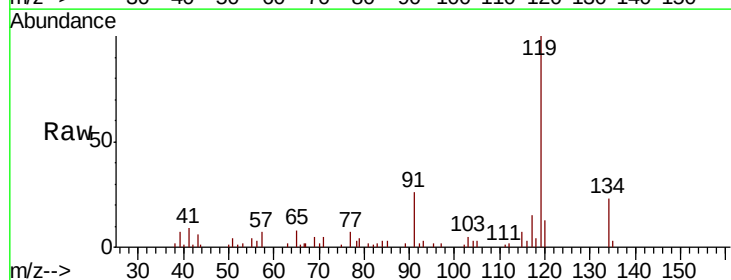
Manual Integrations
 APPROVED

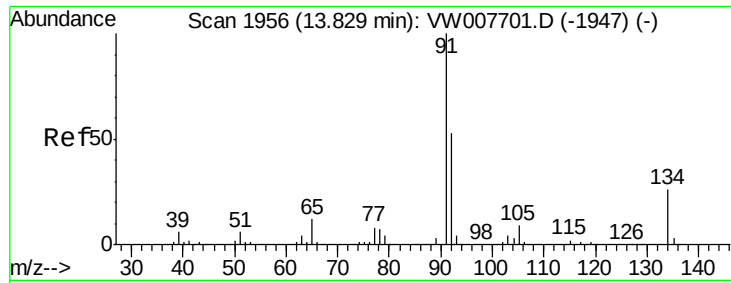
MMDadoda
 12/26/2018 10:59:16 AM



#86
 p-Isopropyltoluene
 Concen: 15.384 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007806.D
 Acq: 21 Dec 2018 20:15

Tgt Ion:119 Resp: 7499
 Ion Ratio Lower Upper
 119 100
 134 22.5 13.0 39.0
 91 28.8 12.8 38.4





#89

n-Butylbenzene

Concen: 12.566 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007806.D

Acq: 21 Dec 2018 20:15

Instrument :

MSVOA_W

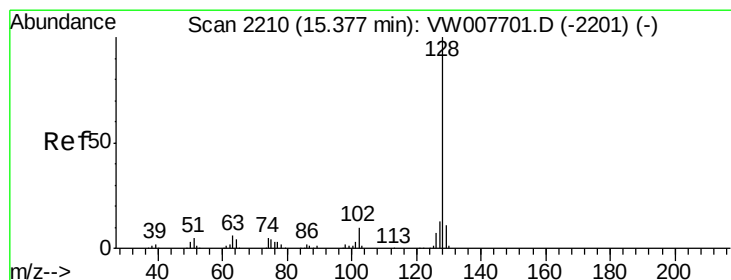
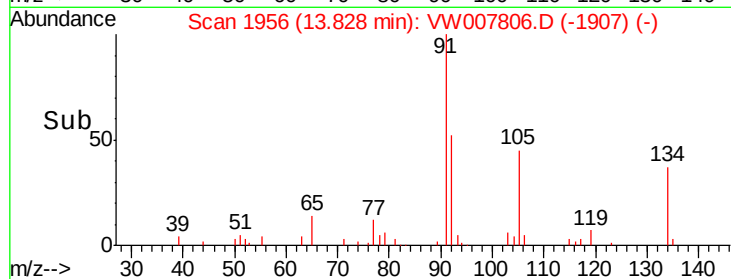
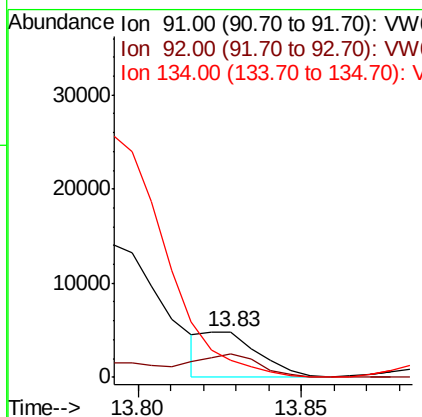
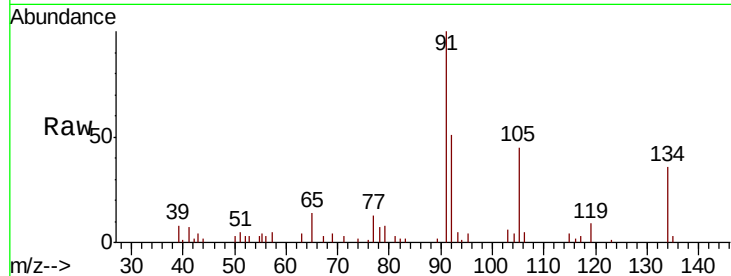
ClientSampleId :

KY001SB103-121118-(25-27)RE

Tot Ion:	91	Resp:	5616
Ion Ratio	Lower	Upper	
91	100		
92	0.0	26.4	79.2#
134	0.0	13.7	41.0#

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:59:16 AM



#95

Naphthalene

Concen: 17.793 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007806.D

Acq: 21 Dec 2018 20:15

Tgt Ion:	128	Resp:	4781
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	12.0	8.8	13.2

