

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
 Data File : VW006855.D
 Acq On : 13 Nov 2018 15:37
 Operator : SY/AP
 Sample : J5860-22
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(17-19)

Manual Integrations
 APPROVED

apatel
 11/14/2018 4:14:12 PM

Quant Time: Nov 14 16:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	328577	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.86	114	503638	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.65	117	329863	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.58	152	42663	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	132322	55.09	ug/l	0.01
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	7.90	113	137503	45.85	ug/l	0.01
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.62	95	918640	200.65	ug/l	0.00
Spiked Amount			Recovery	=	401.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	7957	1.932	ug/l	98
17) Carbon Disulfide	4.40	76	19950	2.542	ug/l	97
31) Cyclohexane	7.98	56	16449059	3574.011	ug/l #	81
39) Methylcyclohexane	9.37	83	58440705	9557.418	ug/l	95
67) Ethyl Benzene	11.73	91	54727106m	4386.724	ug/l	
68) m/p-Xylenes	11.90	106	32685879m	6403.444	ug/l	
73) Isopropylbenzene	12.47	105	19872627	6710.555	ug/l	80
78) n-propylbenzene	12.80	91	24494946m	7008.274	ug/l	
80) 1,3,5-Trimethylbenzene	12.95	105	17462392m	6859.306	ug/l	
84) 1,2,4-Trimethylbenzene	13.25	105	25321117m	9773.526	ug/l	
85) sec-Butylbenzene	13.39	105	1664286	521.915	ug/l #	41
86) p-Isopropyltoluene	13.51	119	900939	310.614	ug/l	98
89) n-Butylbenzene	13.83	91	4114722	1552.288	ug/l #	73
95) Naphthalene	15.38	128	16333147	10915.439	ug/l	96

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

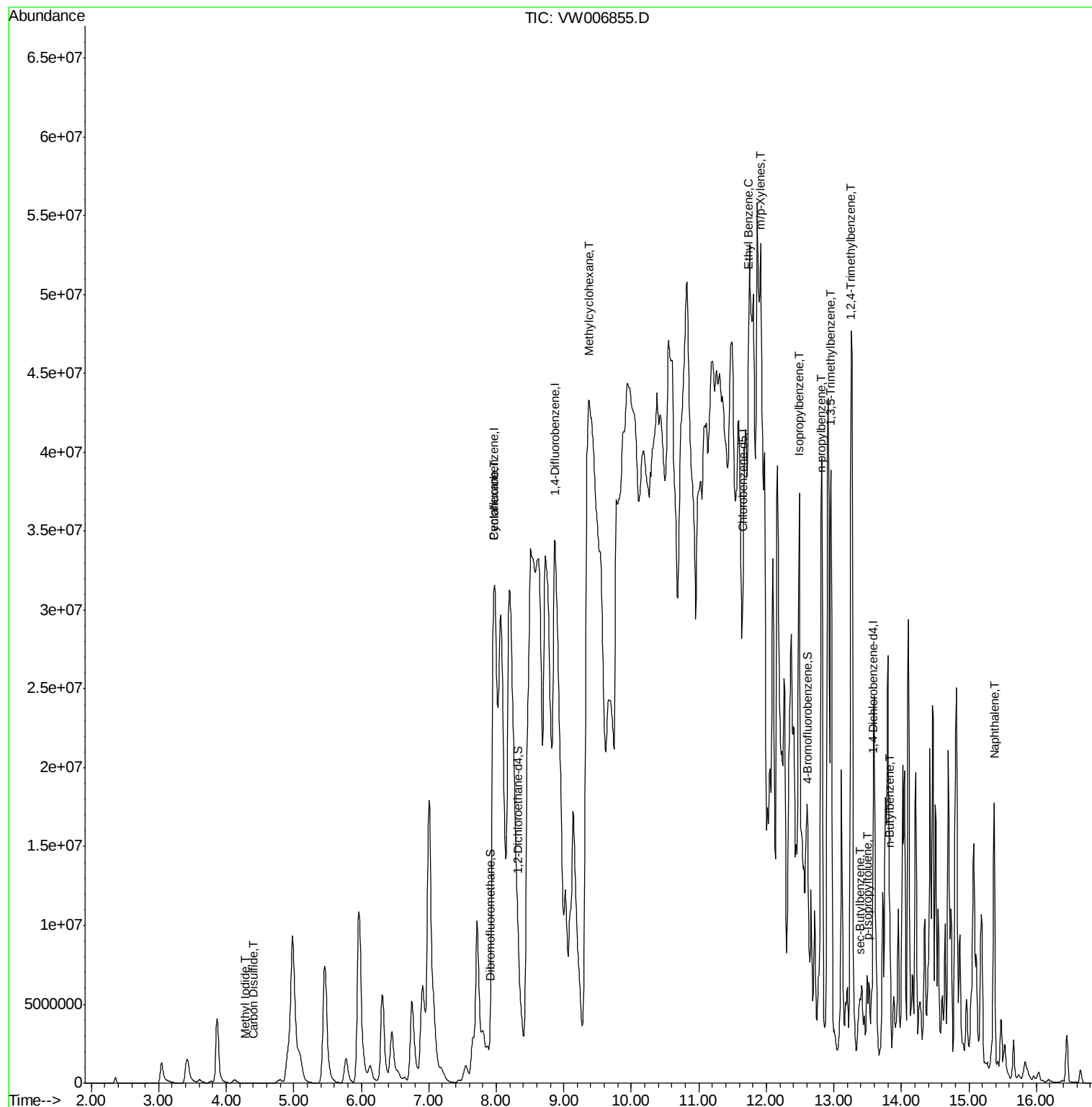
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006855.D
Acq On : 13 Nov 2018 15:37
Operator : SY/AP
Sample : J5860-22
Misc : 5.81G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

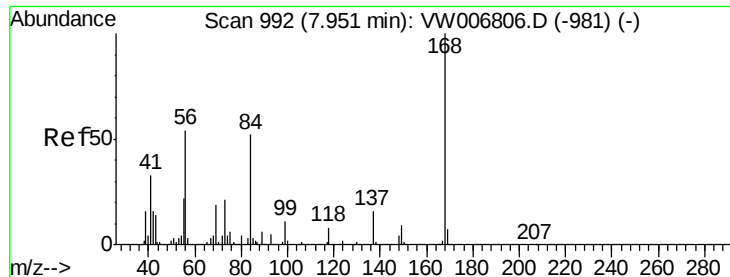
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

Manual Integrations
APPROVED

apatel
11/14/2018 4:14:12 PM

Quant Time: Nov 14 16:12:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 995

Delta R.T. 0.02 min

Lab File: VW006855.D

Acq: 13 Nov 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(17-19)

Tot Ion:168 Resp: 328577

Ion Ratio Lower Upper

168 100

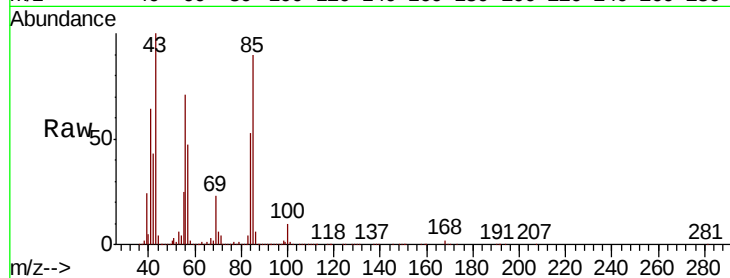
99 62.9 37.3 55.9#

Manual Integrations

APPROVED

apatel

11/14/2018 4:14:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

80000

60000

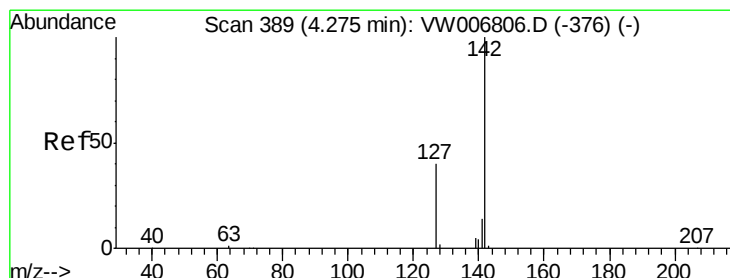
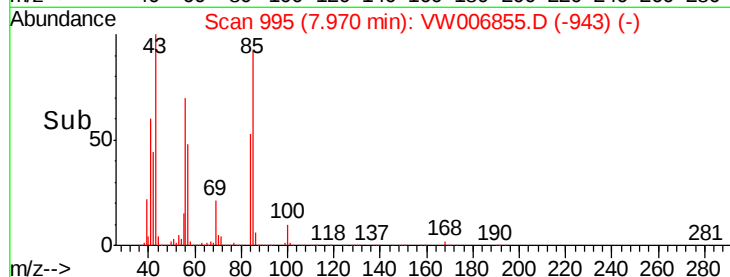
40000

20000

0

7.80 8.00 8.20

Time-->



#10

Methyl Iodide

Concen: 1.932 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW006855.D

Acq: 13 Nov 2018 15:37

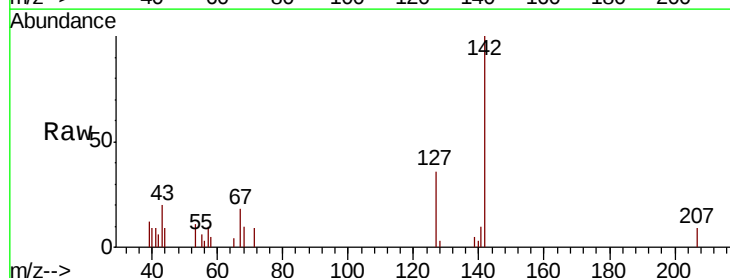
Tgt Ion:142 Resp: 7957

Ion Ratio Lower Upper

142 100

127 38.5 31.8 47.8

141 14.3 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

3000

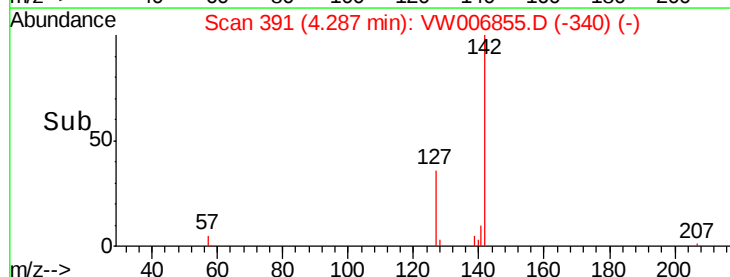
2000

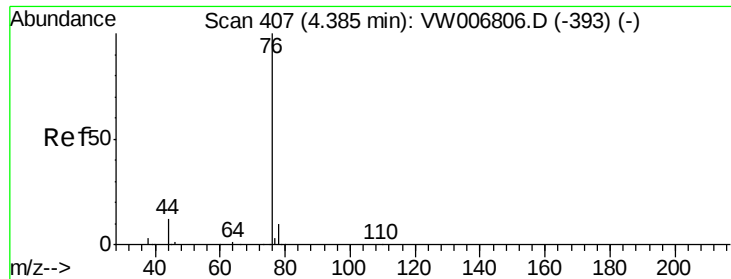
1000

0

4.20 4.30 4.40

Time-->





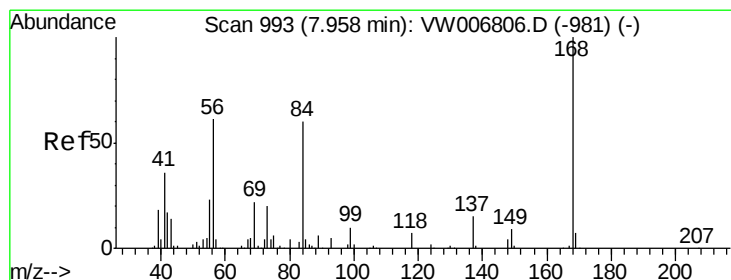
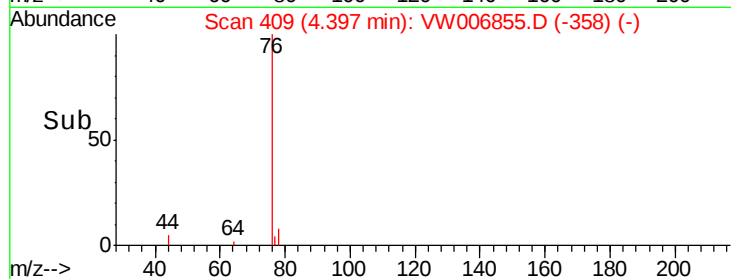
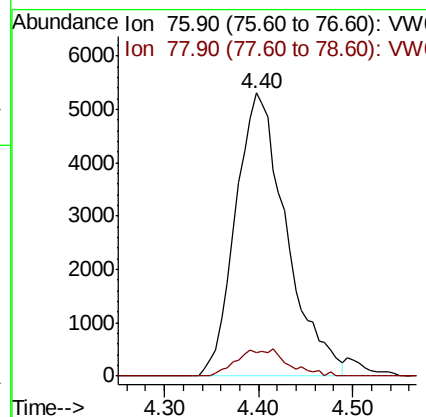
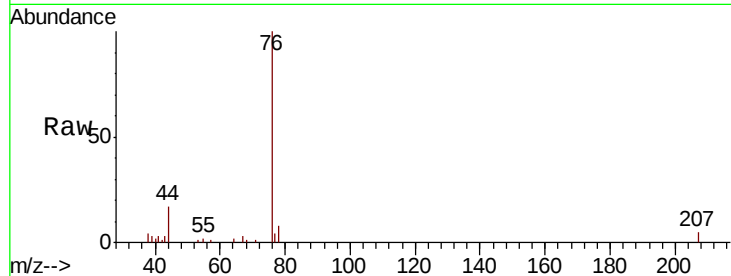
#17
Carbon Disulfide
Concen: 2.542 ug/l
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

Tot Ion: 76 Resp: 19950
Ion Ratio Lower Upper
76 100
78 8.4 7.6 11.4

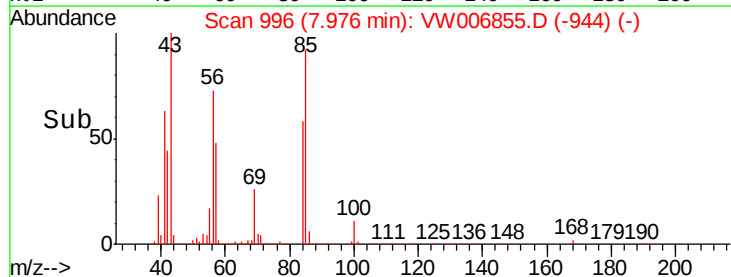
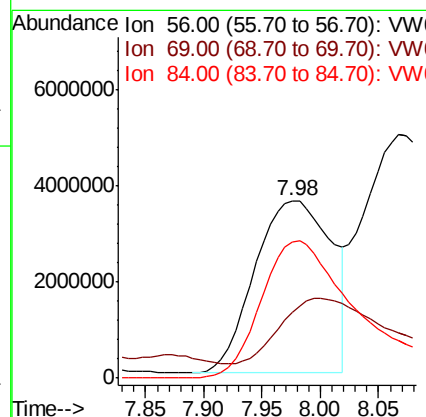
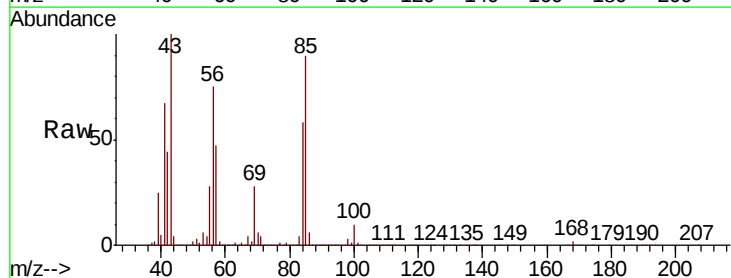
Manual Integrations
APPROVED

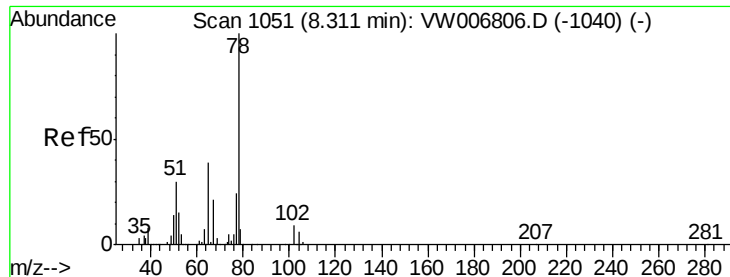
apatel
11/14/2018 4:14:12 PM



#31
Cyclohexane
Concen: 3574.011 ug/l
RT: 7.98 min Scan# 996
Delta R.T. 0.02 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tgt Ion: 56 Resp: 16449059
Ion Ratio Lower Upper
56 100
69 26.7 28.9 43.3#
84 78.9 79.0 118.4#





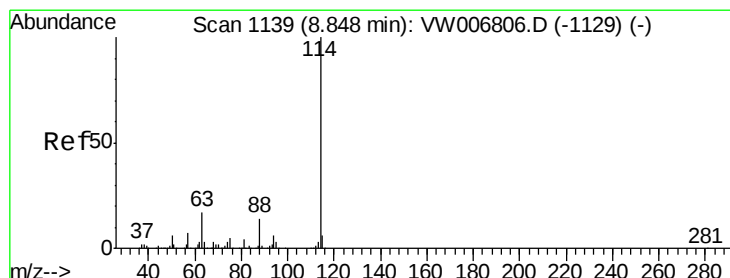
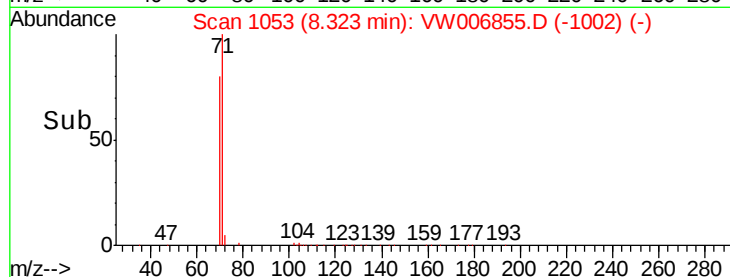
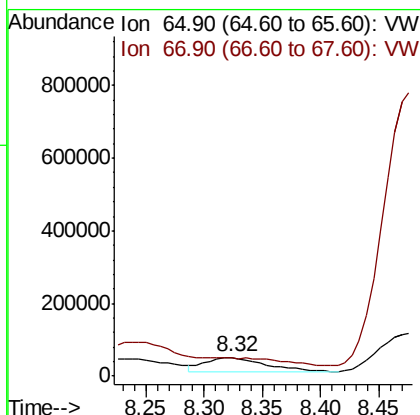
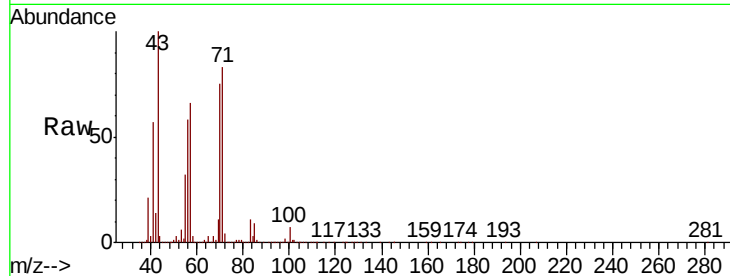
#33
 1,2-Dichloroethane-d4
 Concen: 55.089 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VW006855.D
 Acq: 13 Nov 2018 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(17-19)

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	0.0	0.0	104.4	

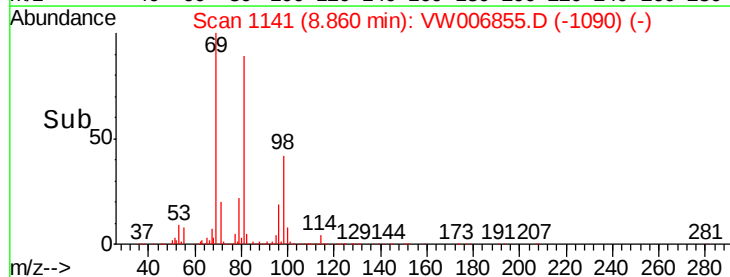
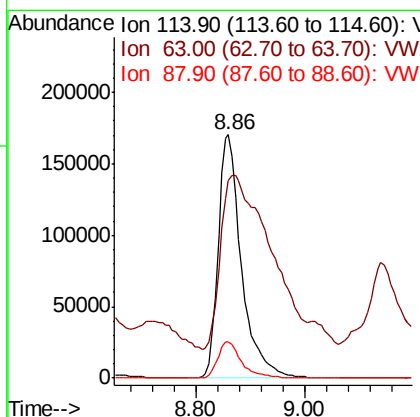
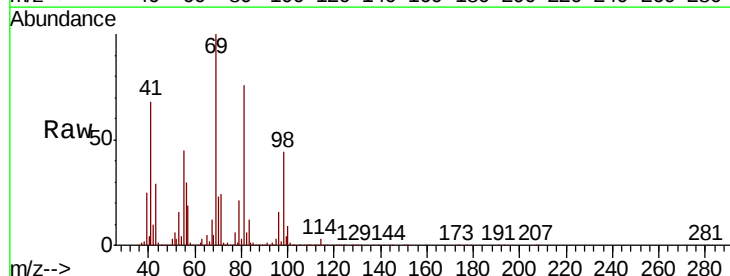
Manual Integrations
 APPROVED

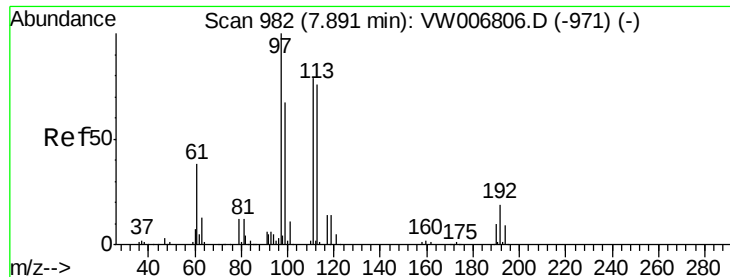
apatel
 11/14/2018 4:14:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1141
 Delta R.T. 0.01 min
 Lab File: VW006855.D
 Acq: 13 Nov 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	67.1	0.0	33.6#	
88	15.0	0.0	28.4	





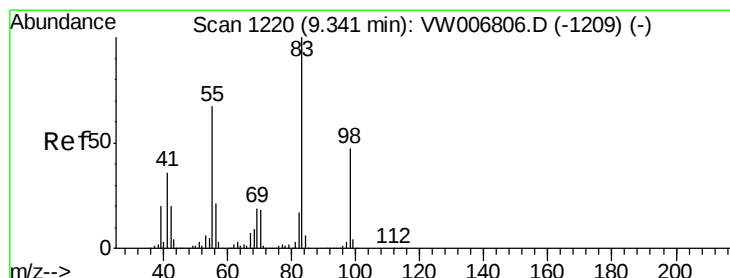
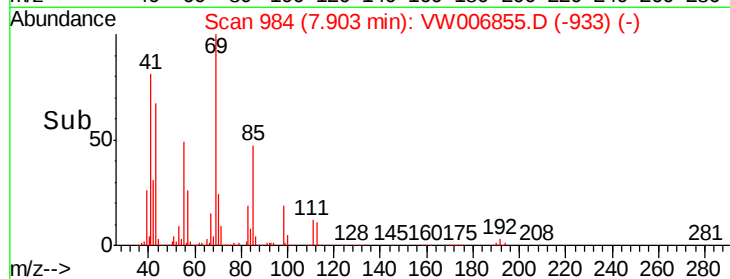
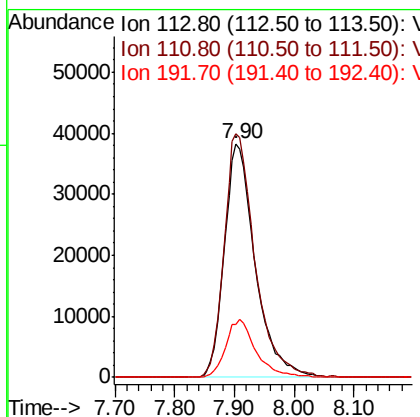
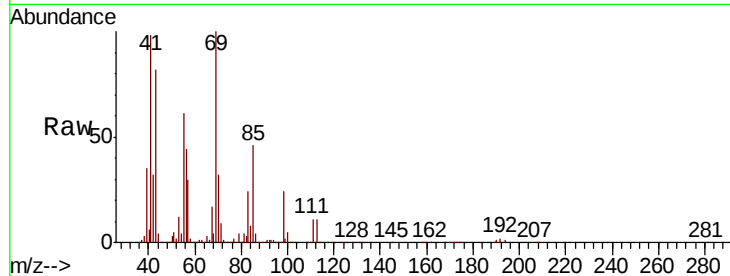
#35
 Dibromofluoromethane
 Concen: 45.849 ug/l
 RT: 7.90 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VW006855.D
 Acq: 13 Nov 2018 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(17-19)

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.0	121.6
192	24.2	19.0	28.6

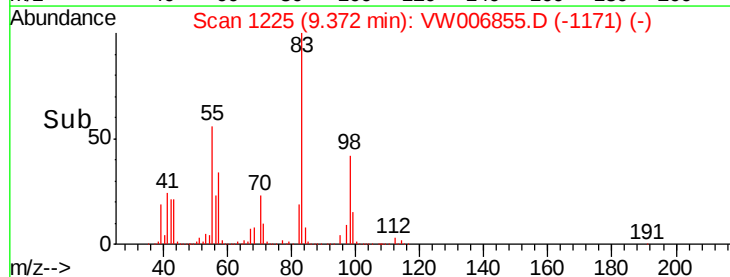
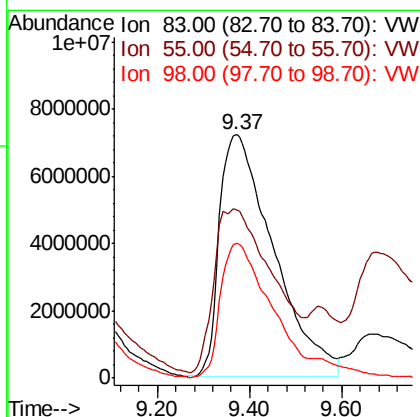
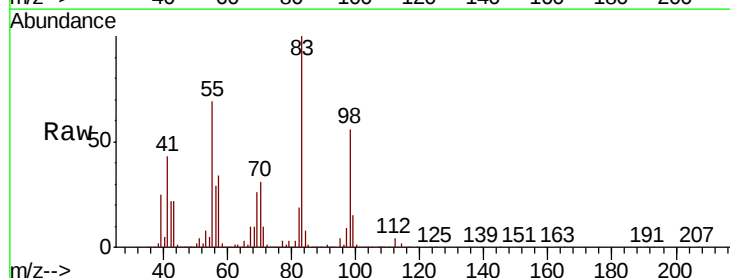
Manual Integrations
 APPROVED

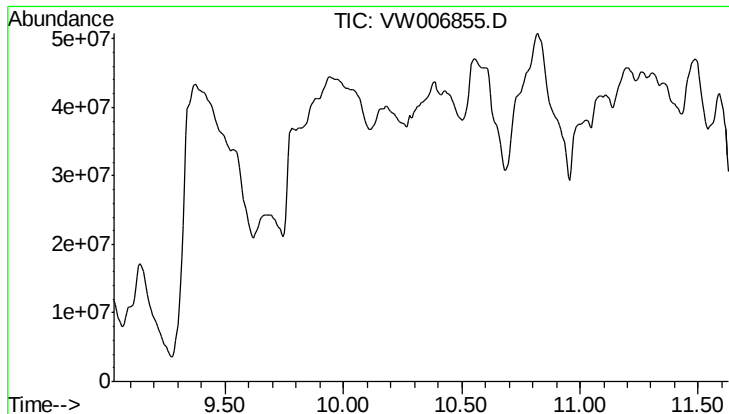
apatel
 11/14/2018 4:14:12 PM



#39
 Methylcyclohexane
 Concen: 9557.418 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.03 min
 Lab File: VW006855.D
 Acq: 13 Nov 2018 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.1	53.3	79.9
98	55.6	37.9	56.9





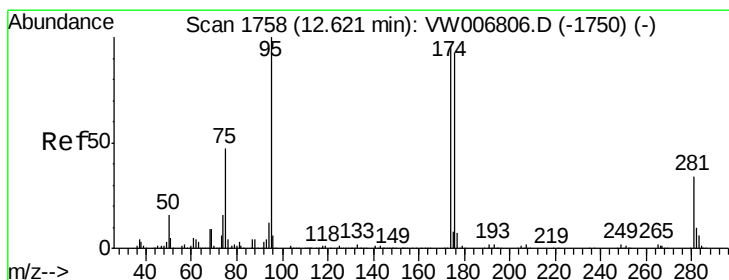
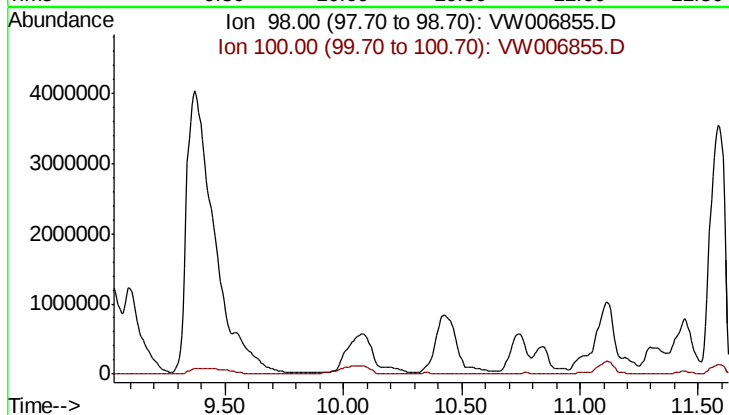
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.33 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.3

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

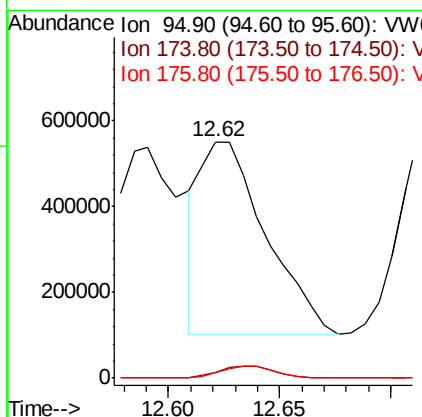
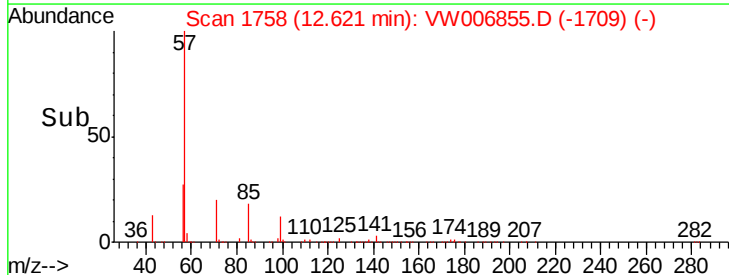
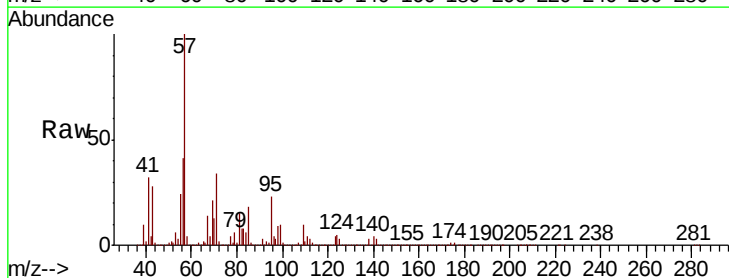
Manual Integrations
APPROVED

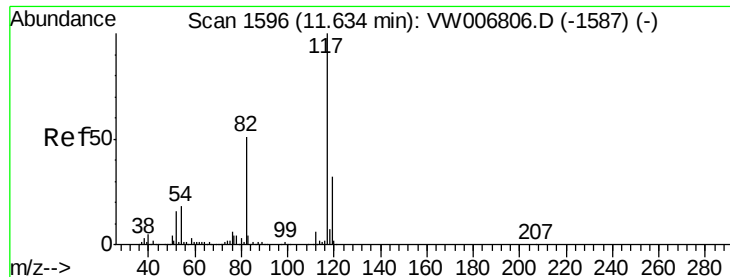
apatel
11/14/2018 4:14:12 PM



#62
4-Bromofluorobenzene
Concen: 200.651 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tgt Ion: 95 Resp: 918640
Ion Ratio Lower Upper
95 100
174 5.5 0.0 196.6
176 5.3 0.0 191.6





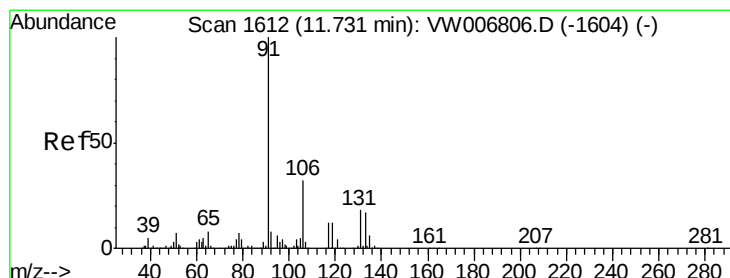
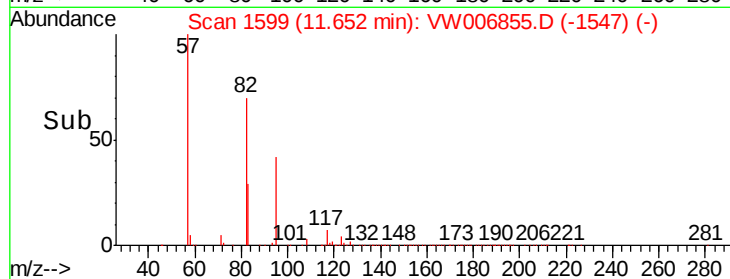
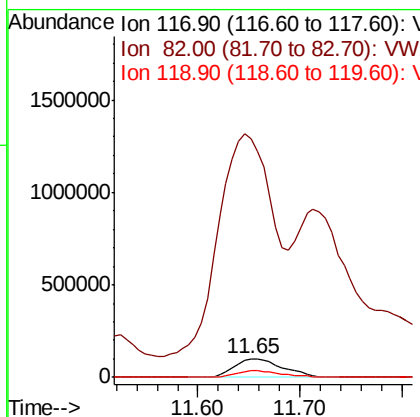
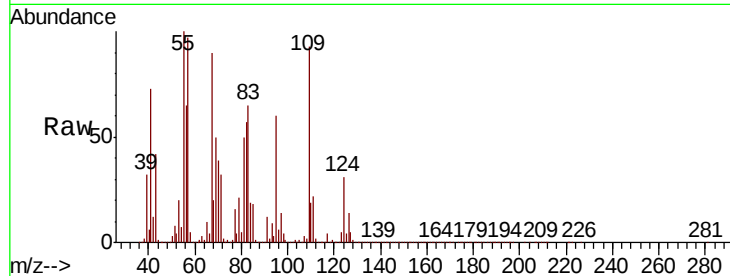
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. 0.02 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

Tot Ion:117 Resp: 329863
Ion Ratio Lower Upper
117 100
82 1111.5 40.6 61.0
119 32.8 25.5 38.3

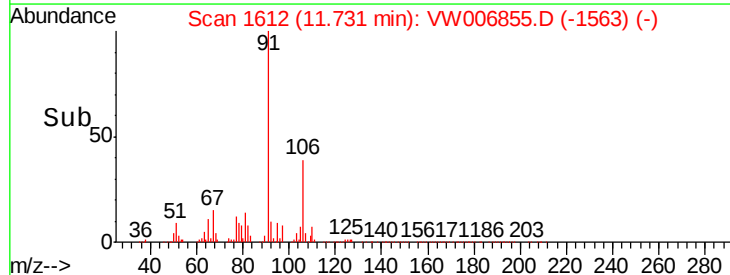
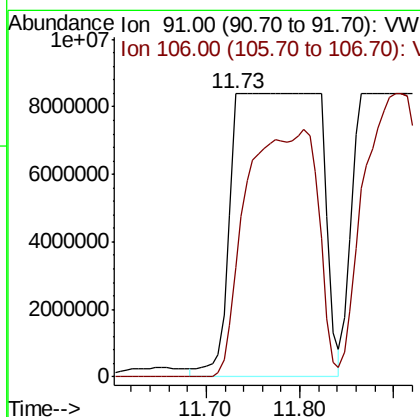
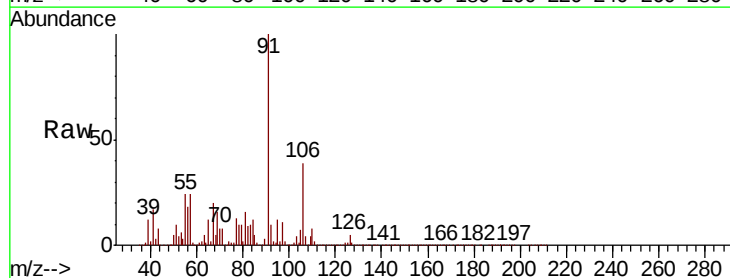
Manual Integrations
APPROVED

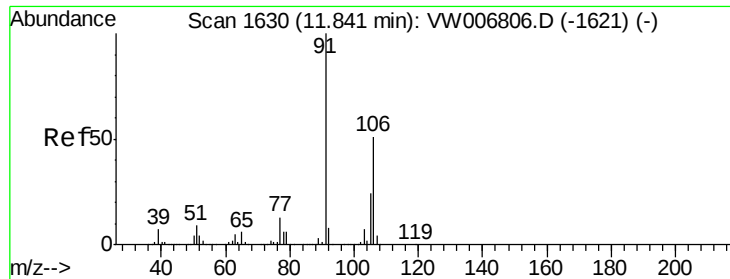
apatel
11/14/2018 4:14:12 PM



#67
Ethyl Benzene
Concen: 4386.724 ug/l m
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tgt Ion: 91 Resp:54727106
Ion Ratio Lower Upper
91 100
106 38.6 25.4 38.0#





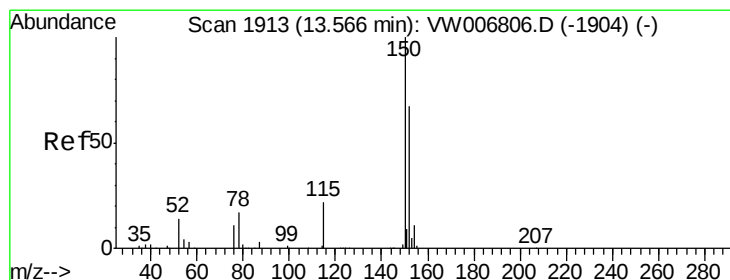
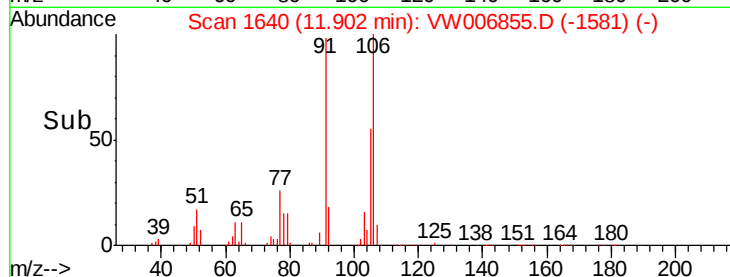
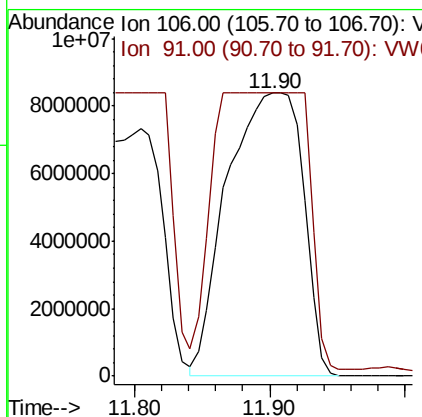
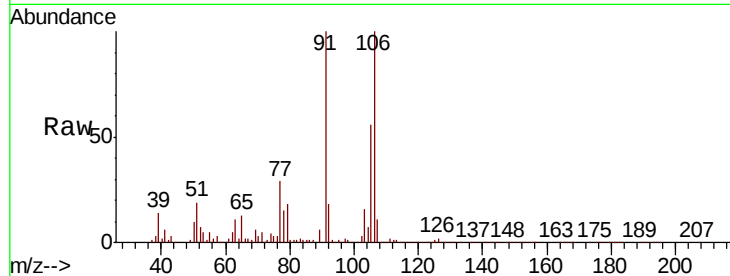
#68
m/p-Xvlenes
Concen: 6403.444 ug/l m
RT: 11.90 min Scan# 1640
Delta R.T. 0.06 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

Tot Ion:106 Resp:32685879
Ion Ratio Lower Upper
106 100
91 0.0 155.7 233.5#

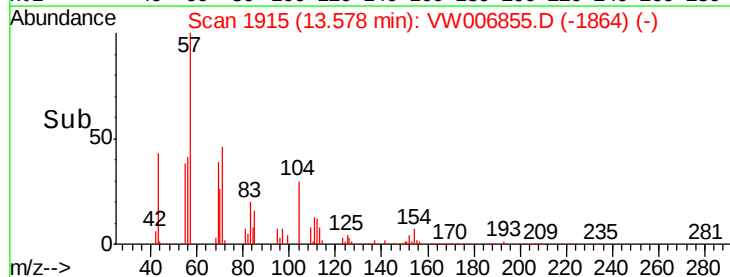
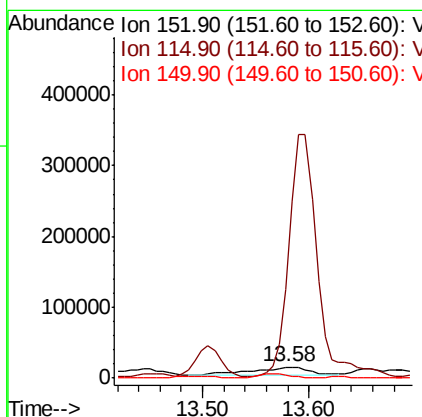
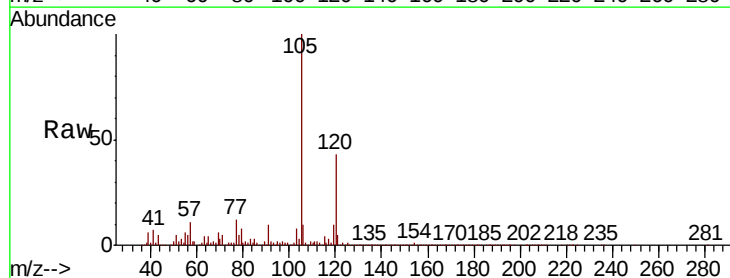
Manual Integrations
APPROVED

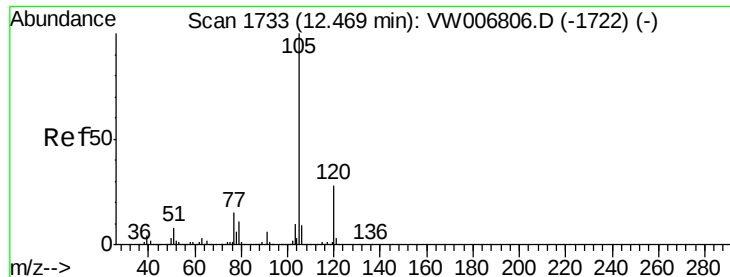
apatel
11/14/2018 4:14:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tgt Ion:152 Resp: 42663
Ion Ratio Lower Upper
152 100
115 1450.4 27.3 81.8#
150 0.0 0.0 353.0





#73

Isopropylbenzene

Concen: 6710.555 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW006855.D

Acq: 13 Nov 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(17-19)

Tot Ion:105 Resp:19872627

Ion Ratio Lower Upper

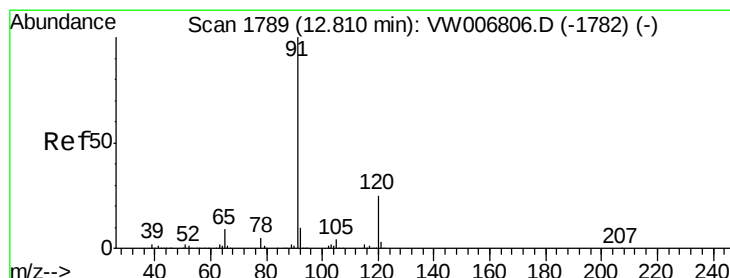
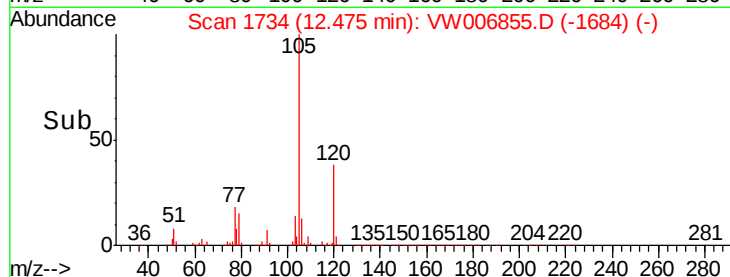
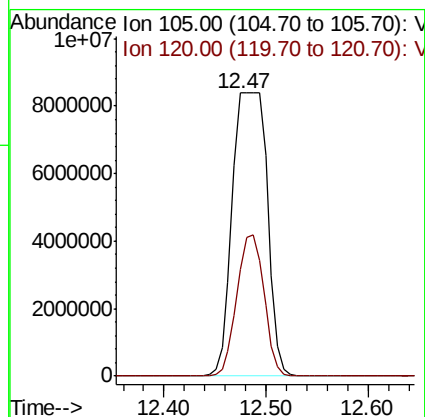
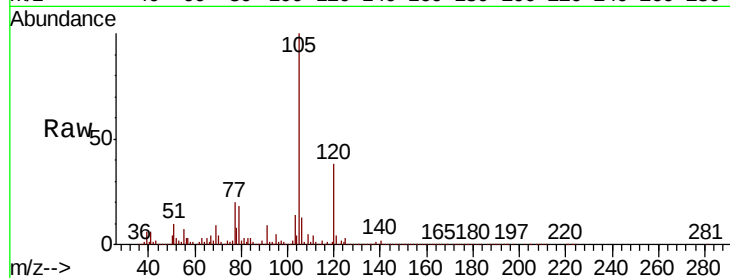
105 100

120 38.7 14.0 42.0

Manual Integrations
APPROVED

apatel

11/14/2018 4:14:12 PM



#78

n-propylbenzene

Concen: 7008.274 ug/l m

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW006855.D

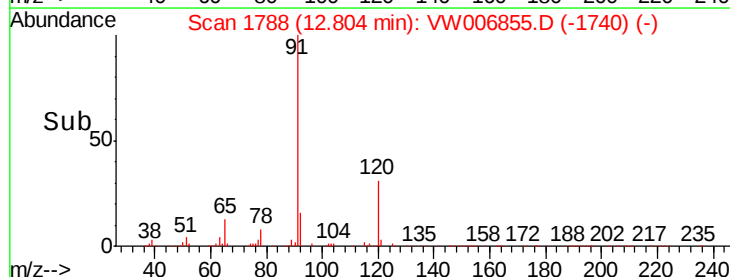
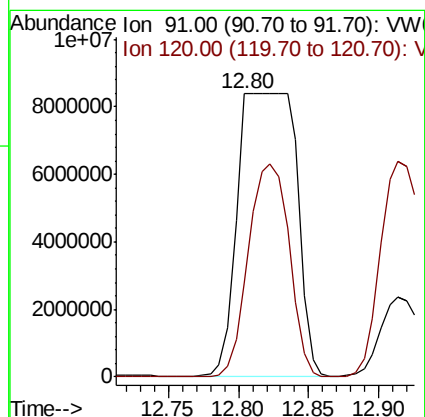
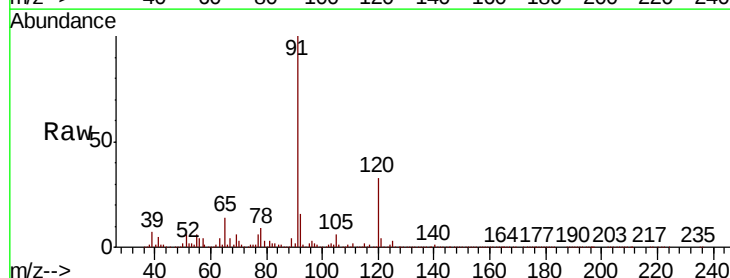
Acq: 13 Nov 2018 15:37

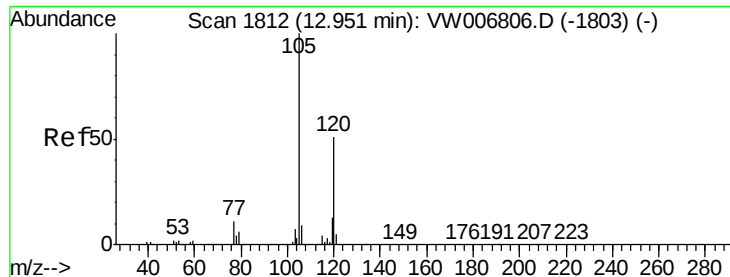
Tgt Ion: 91 Resp:24494946

Ion Ratio Lower Upper

91 100

120 54.1 12.4 37.4#





#80

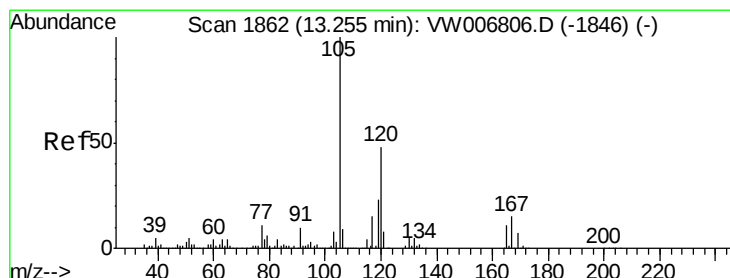
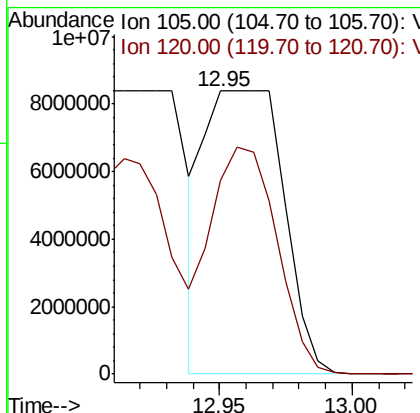
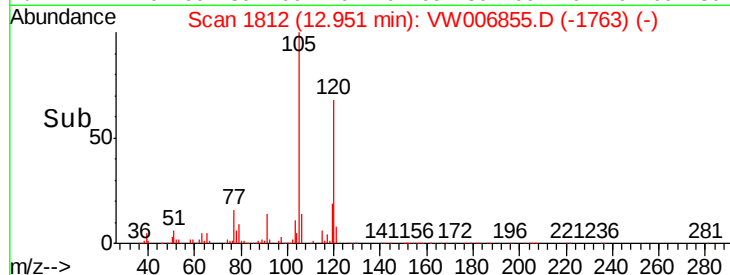
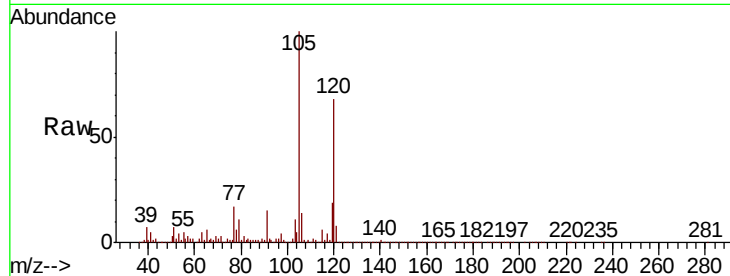
1,3,5-Trimethylbenzene
Concen: 6859.306 ug/l m
RT: 12.95 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

Tot Ion:105 Resp:17462392
Ion Ratio Lower Upper
105 100
120 23.5 25.3 75.9#

Manual Integrations
APPROVED

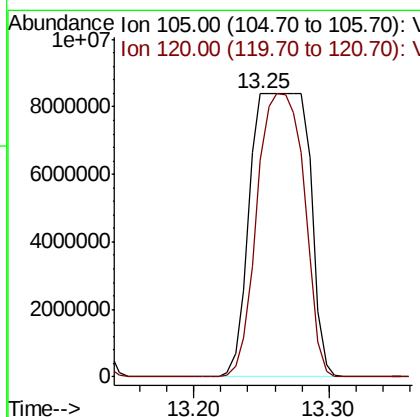
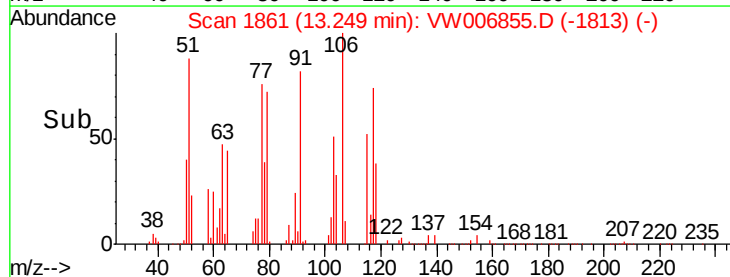
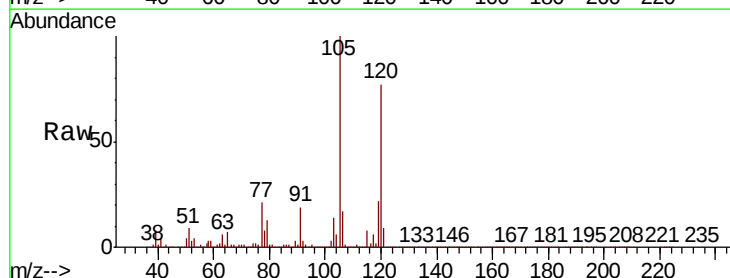
apatel
11/14/2018 4:14:12 PM

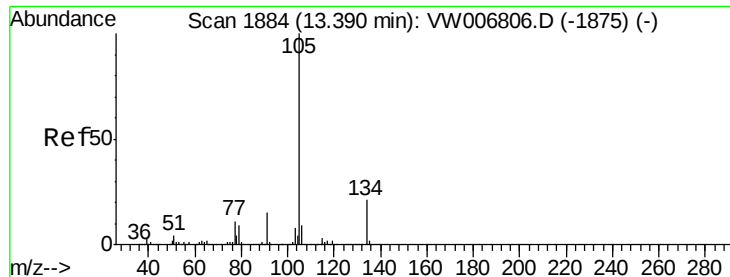


#84

1,2,4-Trimethylbenzene
Concen: 9773.526 ug/l m
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tgt Ion:105 Resp:25321117
Ion Ratio Lower Upper
105 100
120 16.2 23.4 70.0#





#85

sec-Butylbenzene

Concen: 521.915 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006855.D

Acq: 13 Nov 2018 15:37

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(17-19)

Tot Ion:105 Resp: 1664286

Ion Ratio Lower Upper

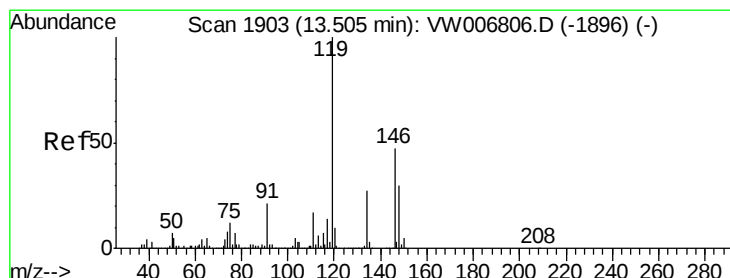
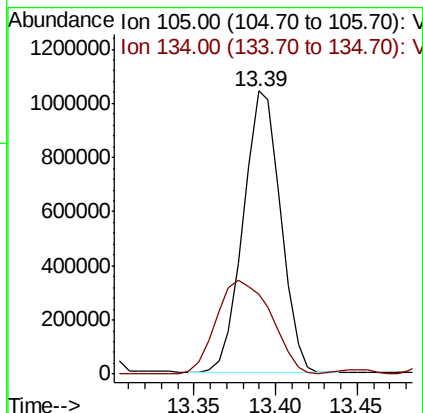
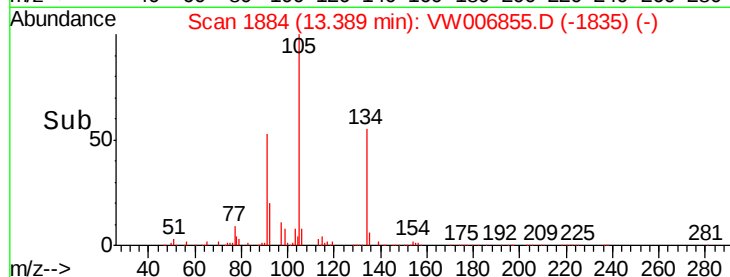
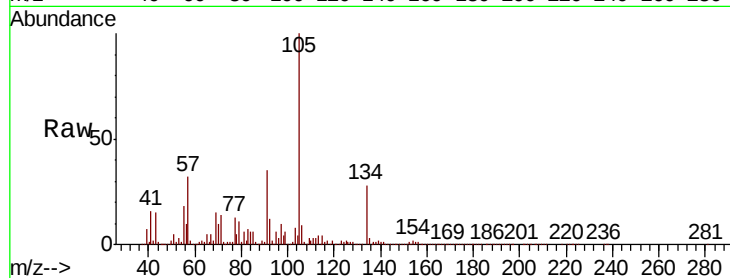
105 100

134 48.9 10.7 31.9#

Manual Integrations
APPROVED

apatel

11/14/2018 4:14:12 PM



#86

p-Isopropyltoluene

Concen: 310.614 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006855.D

Acq: 13 Nov 2018 15:37

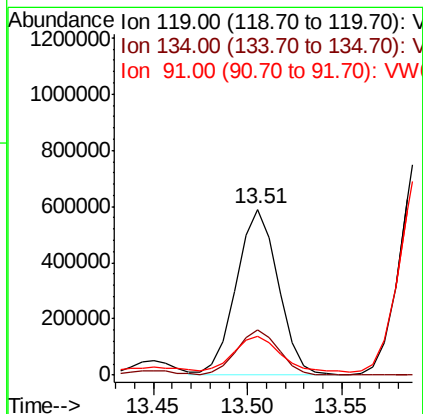
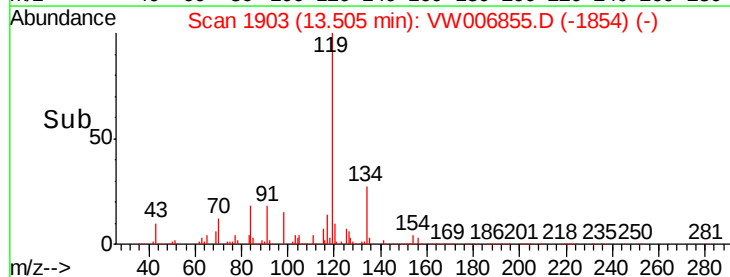
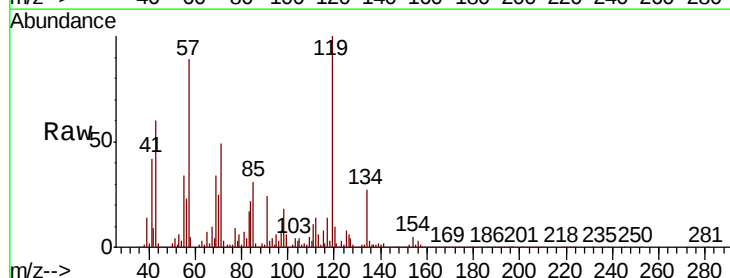
Tgt Ion:119 Resp: 900939

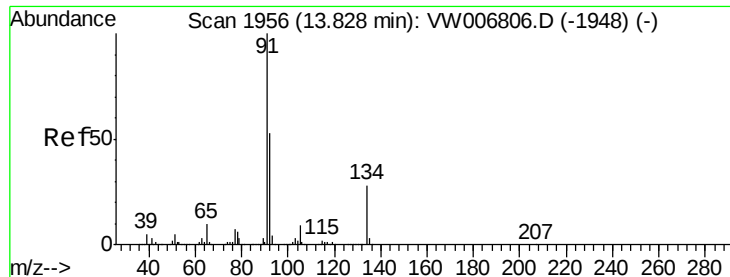
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 23.0 10.8 32.4





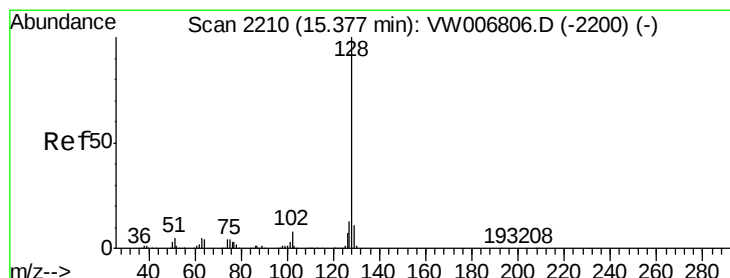
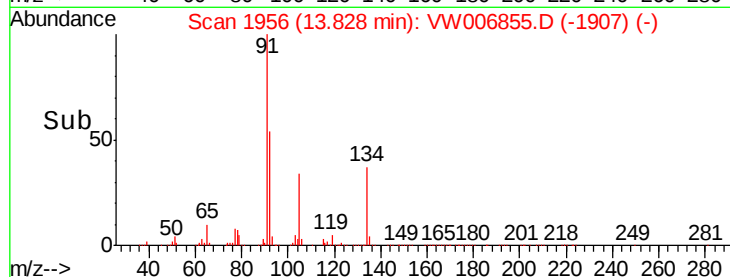
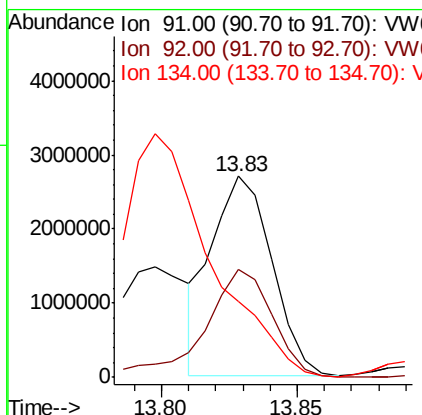
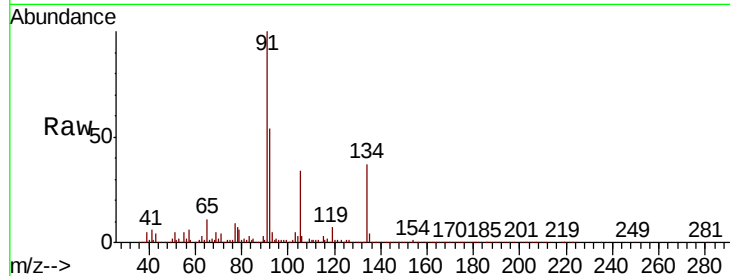
#89
n-Butylbenzene
Concen: 1552.288 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(17-19)

Tot Ion: 91 Resp: 4114722
Ion Ratio Lower Upper
91 100
92 61.4 26.5 79.4
134 0.0 14.4 43.2#

Manual Integrations
APPROVED

apatel
11/14/2018 4:14:12 PM



#95
Naphthalene
Concen: 10915.439 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006855.D
Acq: 13 Nov 2018 15:37

Tgt Ion: 128 Resp: 16333147
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 12.3 8.6 13.0

