

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008510.D
 Acq On : 04 Feb 2019 19:03
 Operator : SY/VA
 Sample : K1341-01
 Misc : 6.58G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-A

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:43:18 AM

Quant Time: Feb 05 04:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	347403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	567563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	191486	56.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.22%	
35) Dibromofluoromethane	7.88	113	179600	54.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.24%	
50) Toluene-d8	10.32	98	656468	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.62	95	209269	40.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.82%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	43511	56.772	ug/l	98
20) Methylene Chloride	4.91	84	15193	4.301	ug/l	95
25) 2-Butanone	7.18	43	5779	5.429	ug/l	96
52) Toluene	10.38	92	927374	94.433	ug/l	99
67) Ethyl Benzene	11.73	91	63422	3.572	ug/l	98
68) m/p-Xylenes	11.83	106	136609	19.830	ug/l	97
69) o-Xylene	12.16	106	80926	12.363	ug/l	100
73) Isopropylbenzene	12.46	105	47717	3.670	ug/l	98
78) n-propylbenzene	12.80	91	162003	10.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	234512	21.582	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	834630	75.568	ug/l	99
85) sec-Butylbenzene	13.38	105	80934	5.861	ug/l	82
86) p-Isopropyltoluene	13.50	119	61328	5.070	ug/l	100
89) n-Butylbenzene	13.83	91	107671m	9.065	ug/l	
95) Naphthalene	15.37	128	229875	36.160	ug/l	98

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

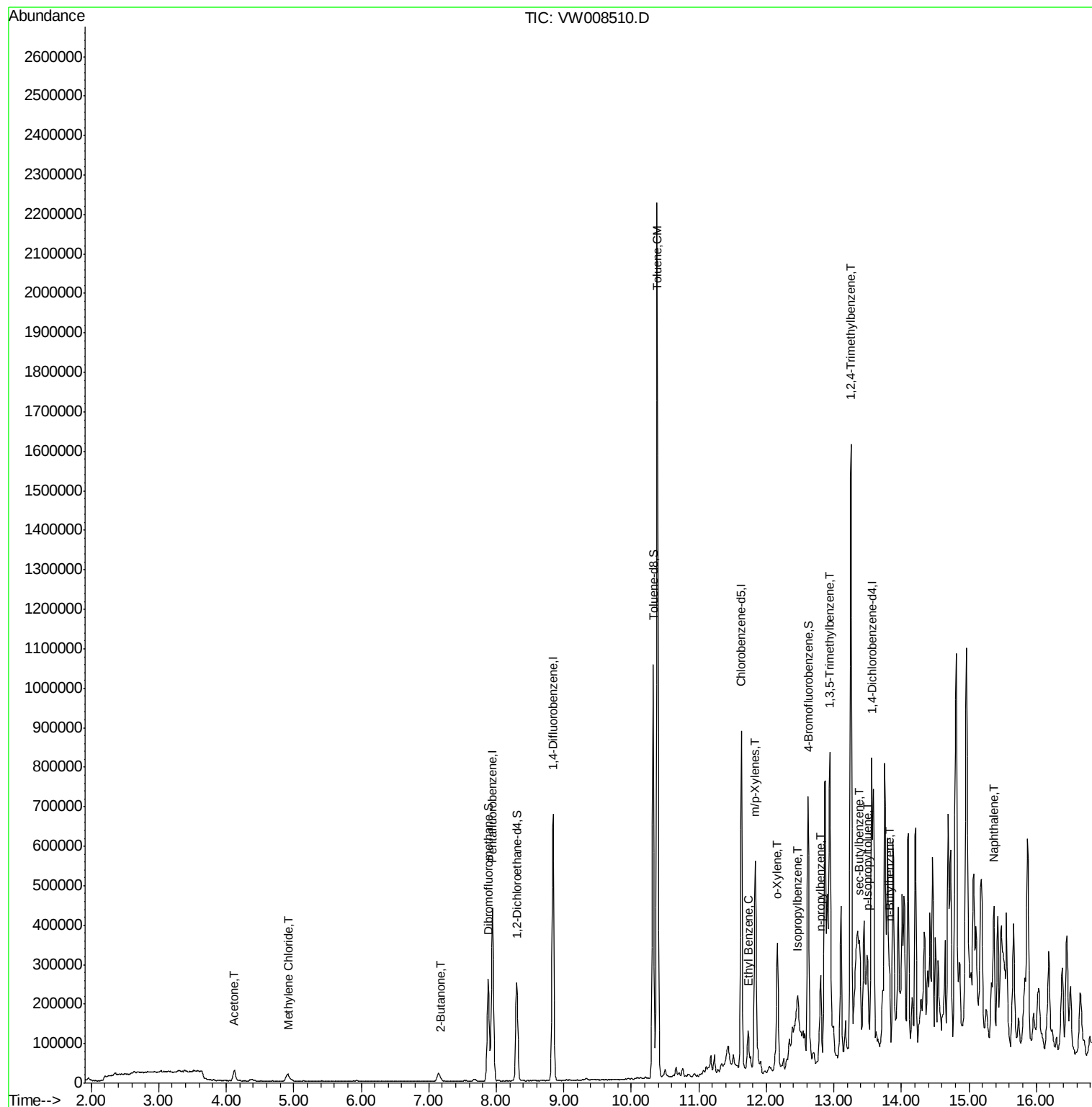
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008510.D
Acq On : 04 Feb 2019 19:03
Operator : SY/VA
Sample : K1341-01
Misc : 6.58G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

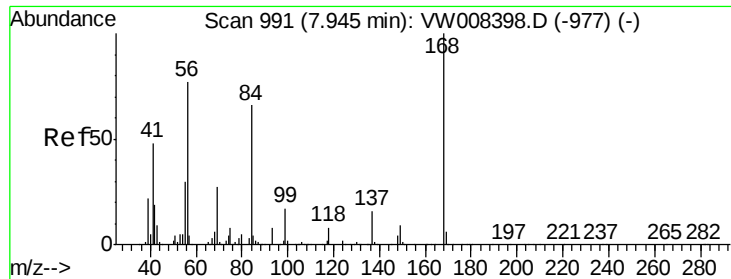
Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:43:18 AM

Quant Time: Feb 05 04:04:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008510.D

Acq: 04 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

HR-05-020419-A

Tot Ion:168 Resp: 347403

Ion Ratio Lower Upper

168 100

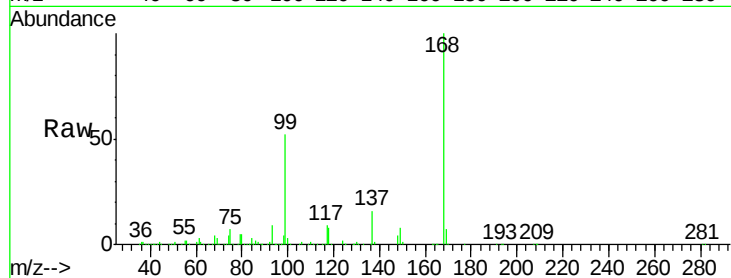
99 52.0 45.5 68.3

Manual Integrations

APPROVED

MMDadoda

2/5/2019 10:43:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

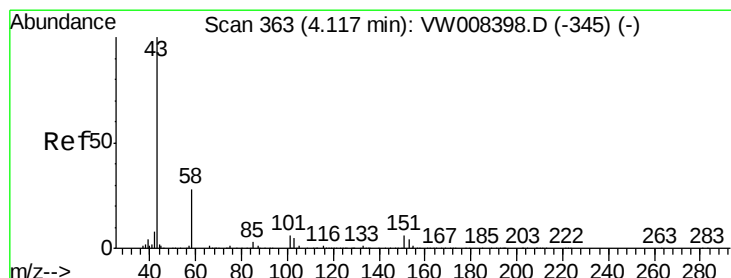
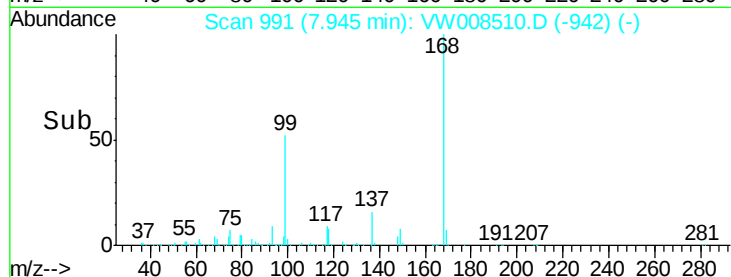
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 56.772 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008510.D

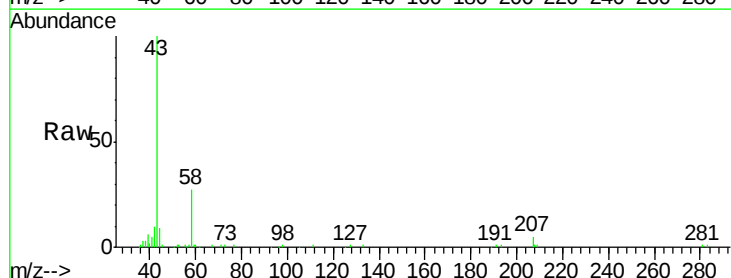
Acq: 04 Feb 2019 19:03

Tgt Ion: 43 Resp: 43511

Ion Ratio Lower Upper

43 100

58 27.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

20000

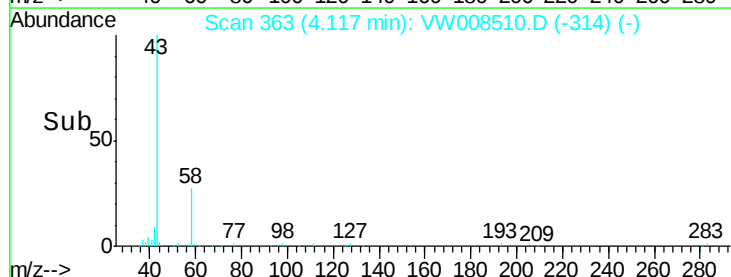
15000

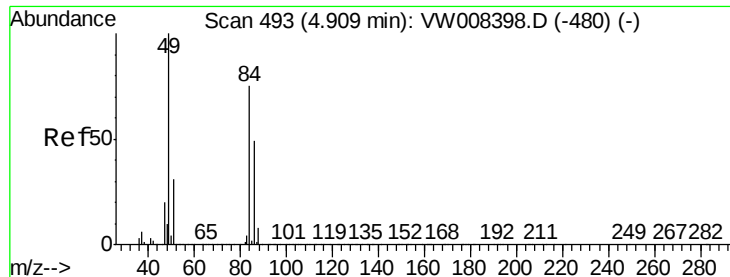
10000

5000

0

Time--> 4.00 4.10 4.20





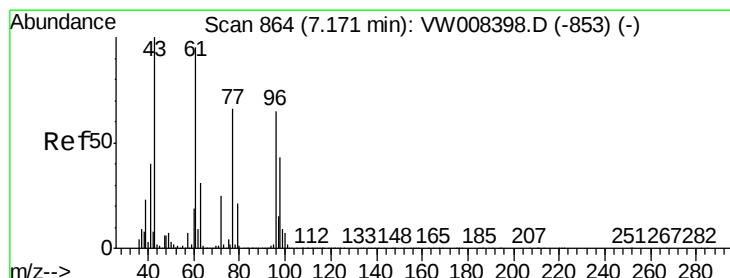
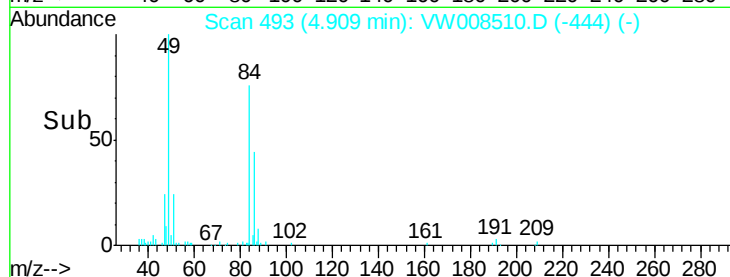
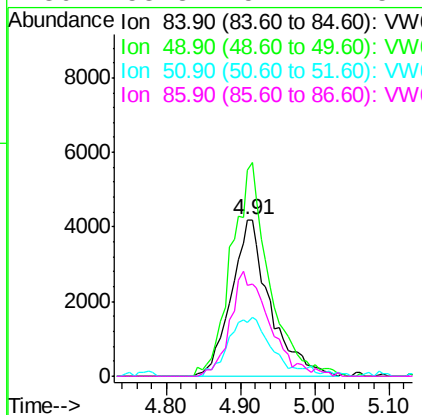
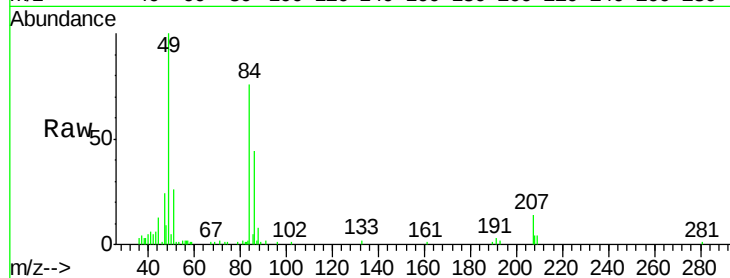
#20
Methvlene Chloride
Concen: 4.301 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampled :
HR-05-020419-A

Tot Ion:	84	Resp:	15193
Ion Ratio	Lower	Upper	
84	100		
49	131.5	106.8	160.2
51	34.5	32.9	49.3
86	58.3	52.2	78.2

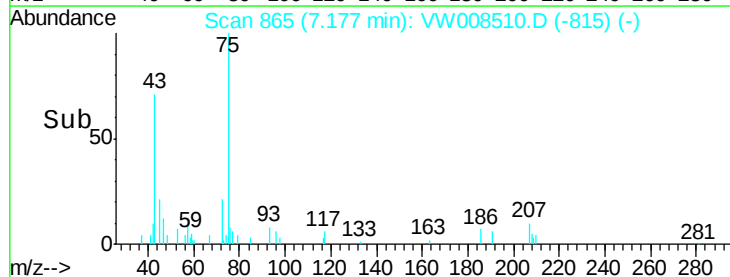
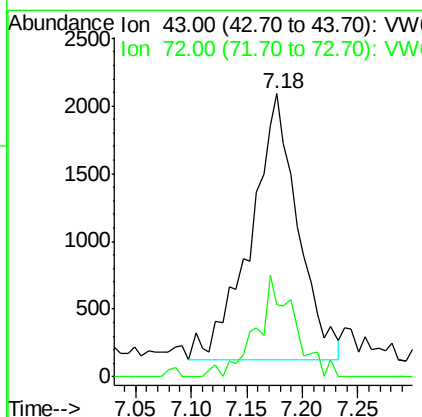
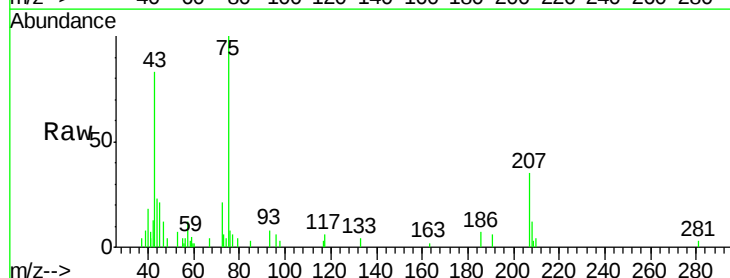
Manual Integrations
APPROVED

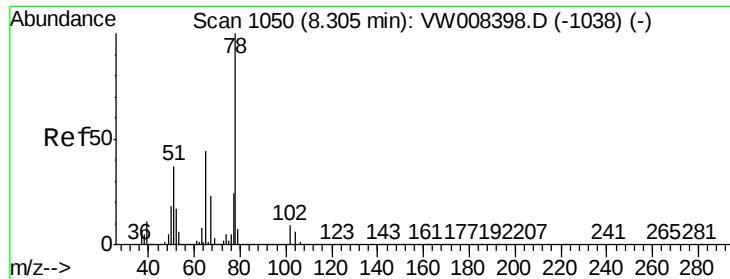
MMDadoda
2/5/2019 10:43:18 AM



#25
2-Butanone
Concen: 5.429 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Tgt Ion:	43	Resp:	5779
Ion Ratio	Lower	Upper	
43	100		
72	27.3	20.1	30.1





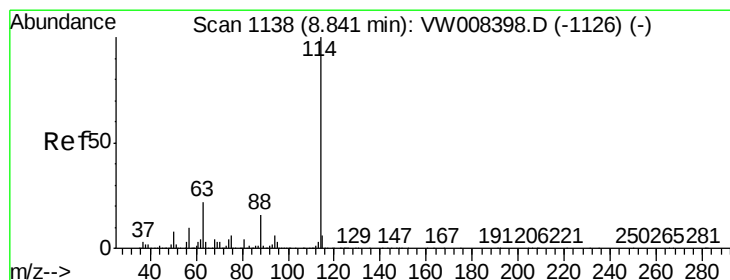
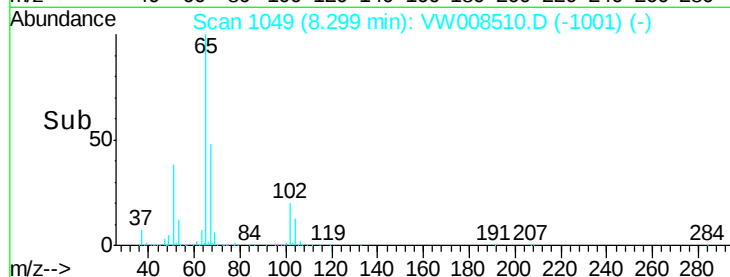
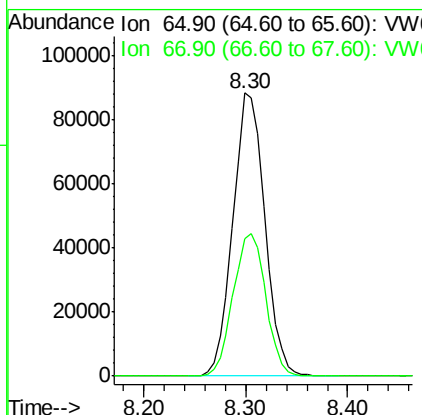
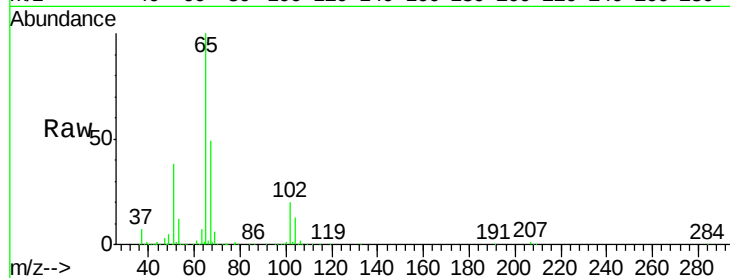
#33
 1,2-Dichloroethane-d4
 Concen: 56.106 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008510.D
 Acq: 04 Feb 2019 19:03

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-A

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	104.0	

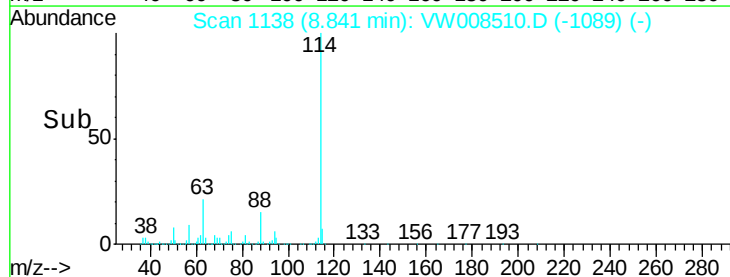
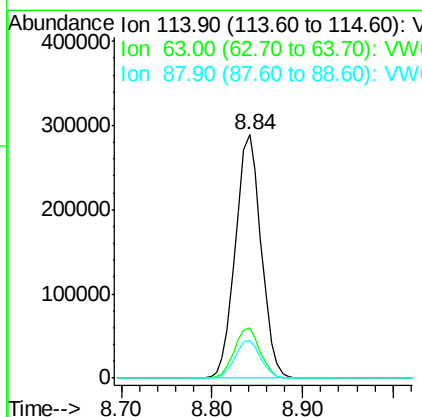
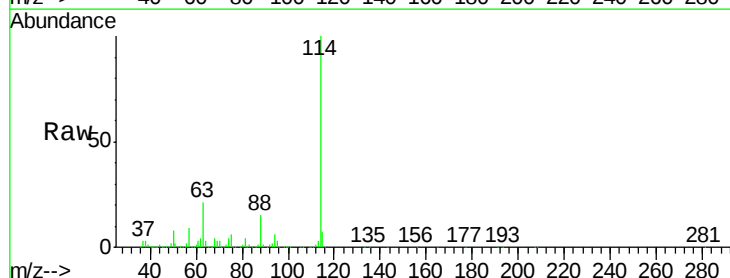
Manual Integrations
 APPROVED

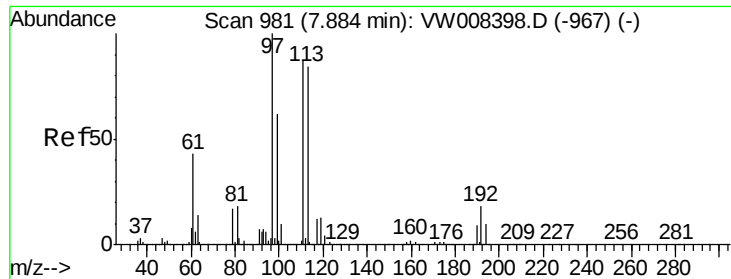
MMDadoda
 2/5/2019 10:43:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008510.D
 Acq: 04 Feb 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	43.6	
88	15.5	0.0	31.8	





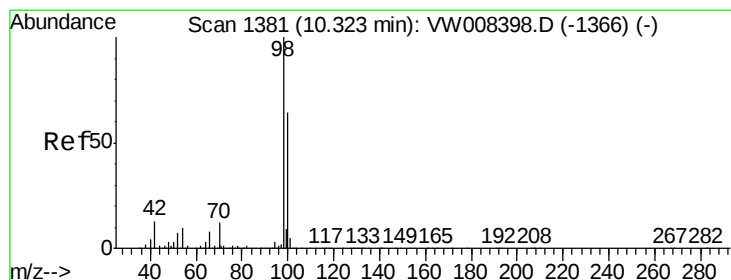
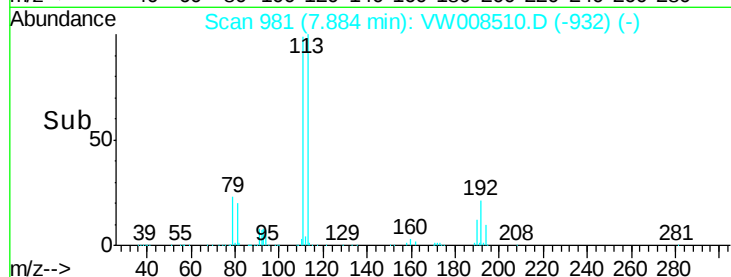
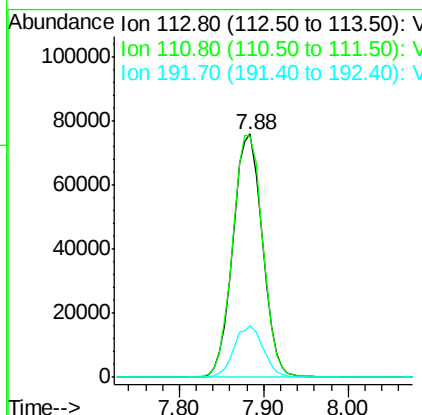
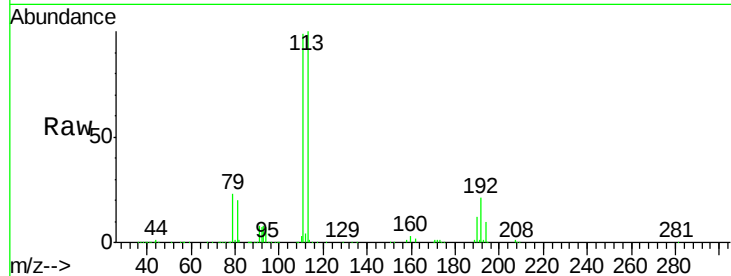
#35
Dibromofluoromethane
Concen: 54.117 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	21.0	16.8	25.2

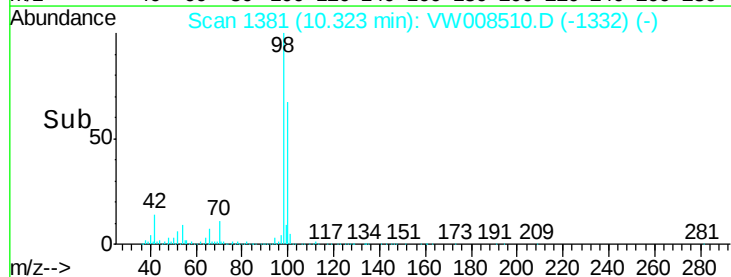
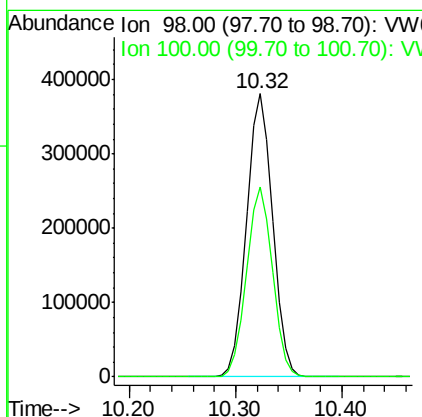
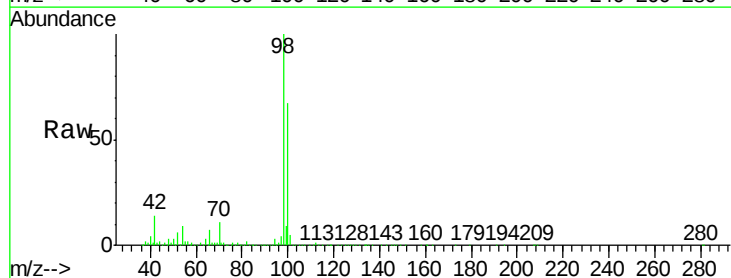
Manual Integrations
APPROVED

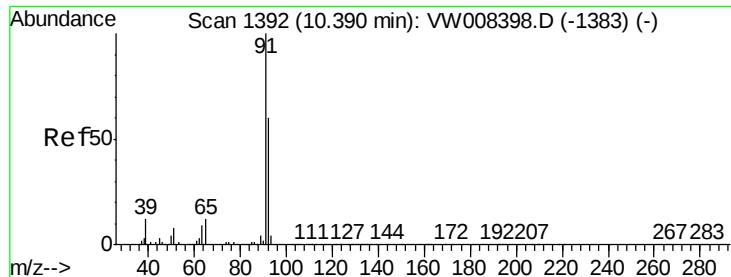
MMDadoda
2/5/2019 10:43:18 AM



#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.6	78.8





#52

Toluene

Concen: 94.433 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008510.D

Acq: 04 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

HR-05-020419-A

Tot Ion: 92 Resp: 927374

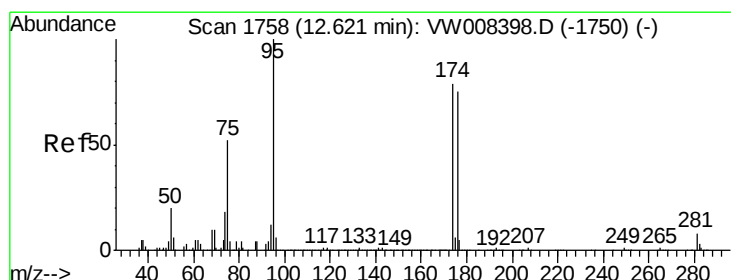
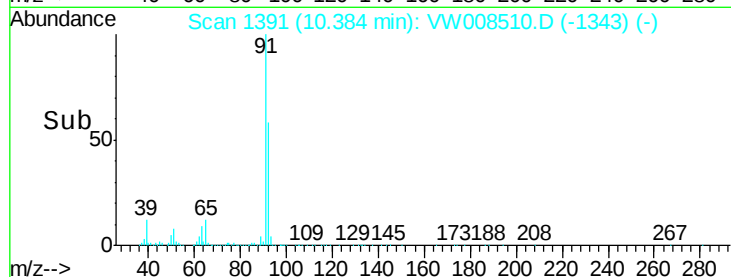
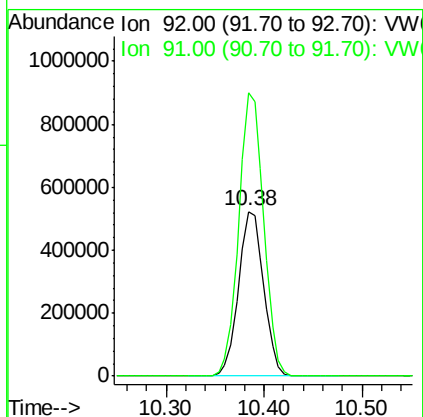
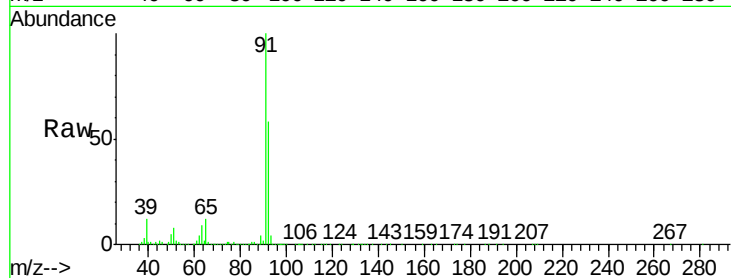
Ion Ratio Lower Upper

92 100

91 171.1 135.5 203.3

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:43:18 AM



#62

4-Bromofluorobenzene

Concen: 40.909 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008510.D

Acq: 04 Feb 2019 19:03

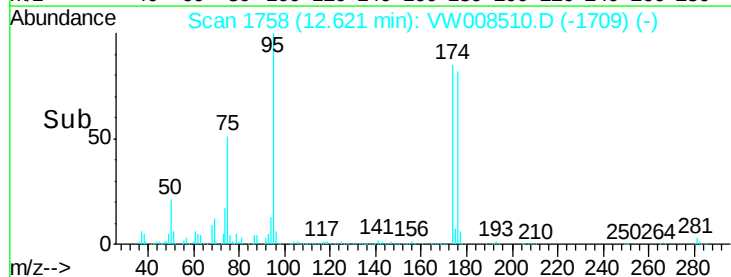
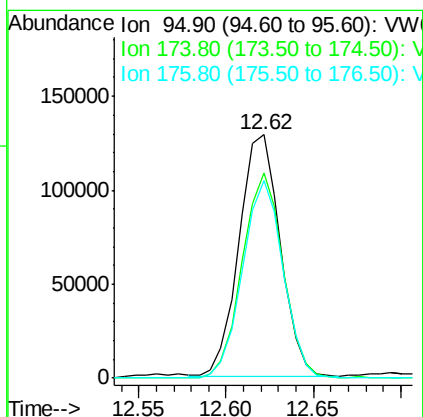
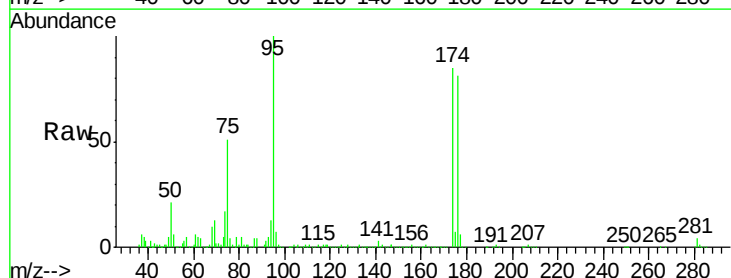
Tgt Ion: 95 Resp: 209269

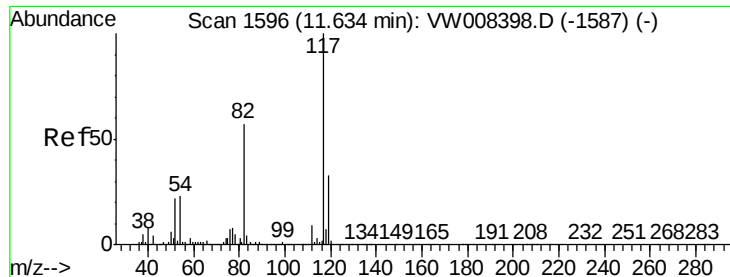
Ion Ratio Lower Upper

95 100

174 84.2 0.0 157.6

176 81.0 0.0 151.8





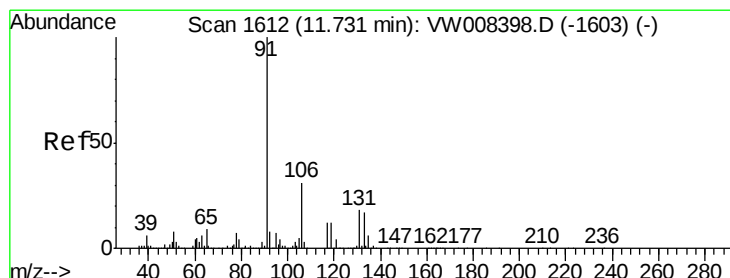
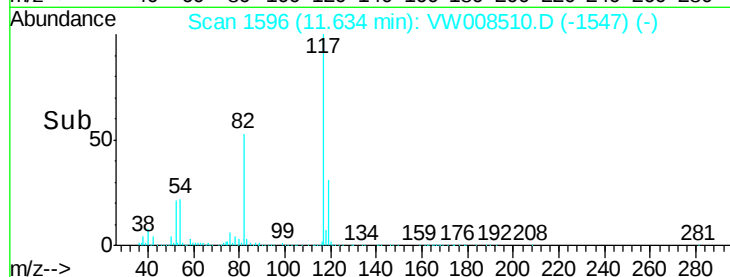
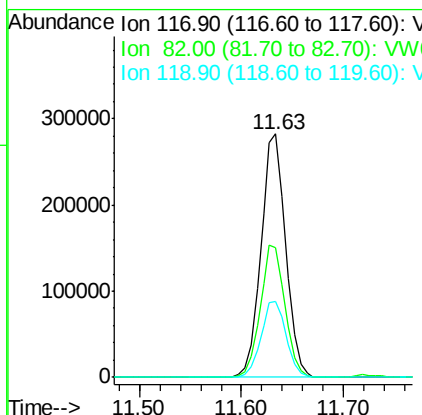
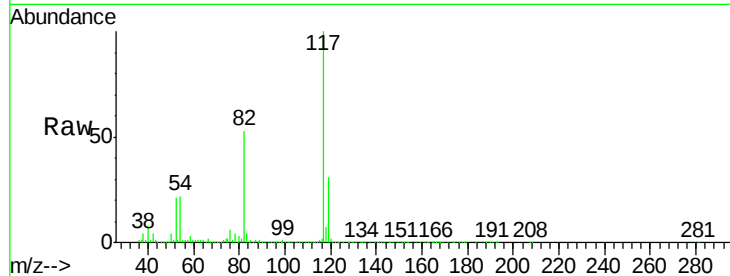
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.4	68.0
119	31.2	26.2	39.4

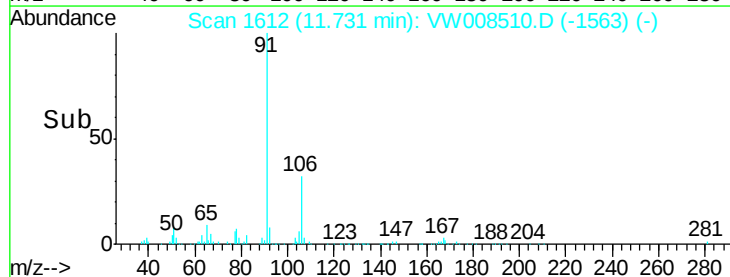
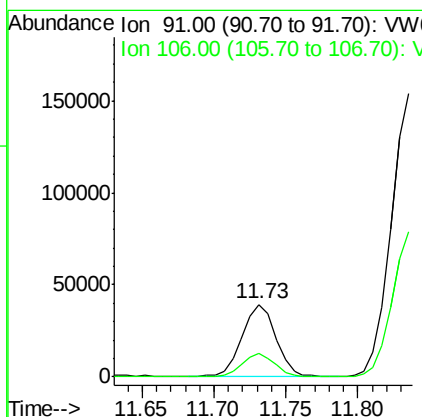
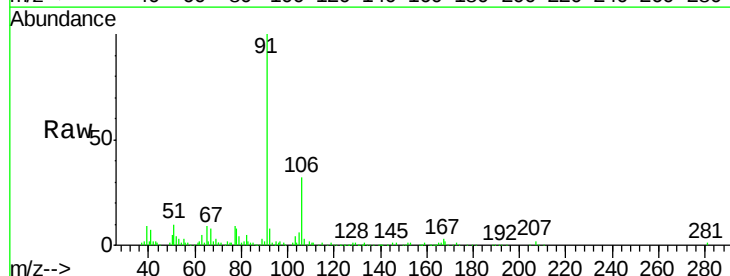
Manual Integrations
APPROVED

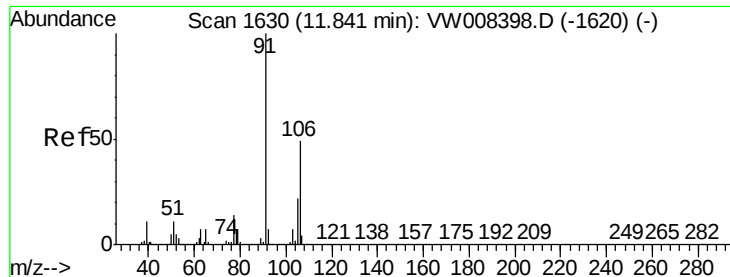
MMDadoda
2/5/2019 10:43:18 AM



#67
Ethyl Benzene
Concen: 3.572 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.7	37.1





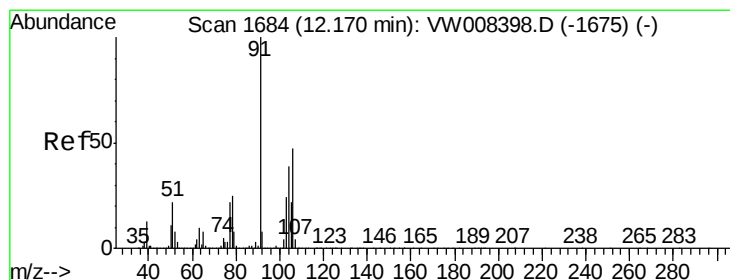
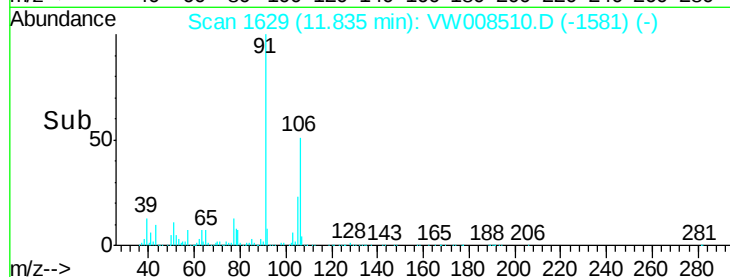
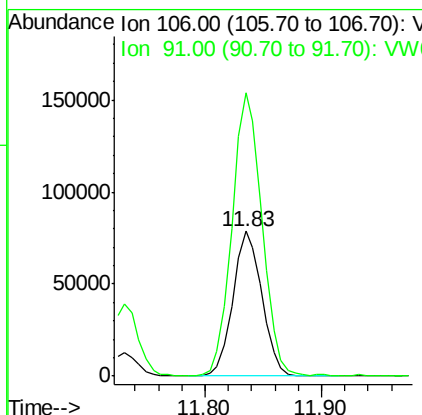
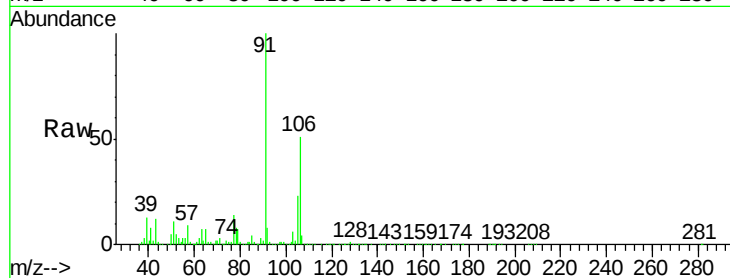
#68
m/p-Xvlenes
Concen: 19.830 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.7	162.9	244.3	

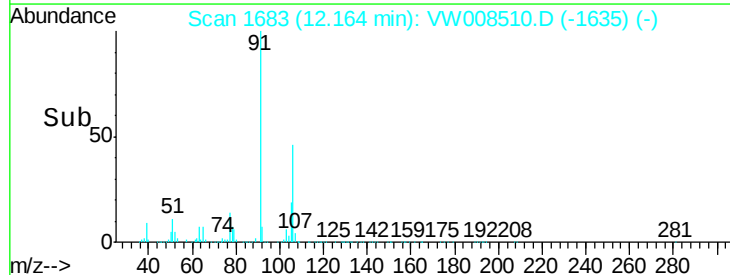
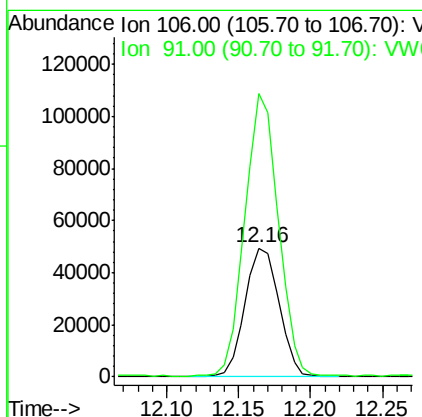
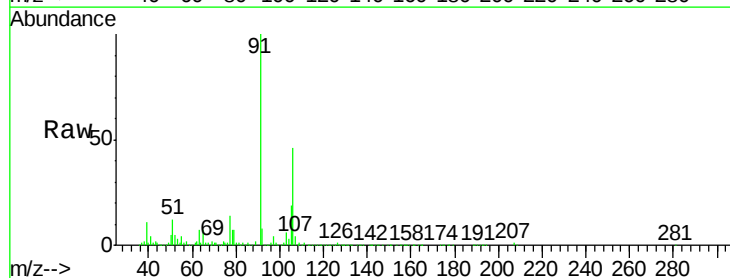
Manual Integrations
APPROVED

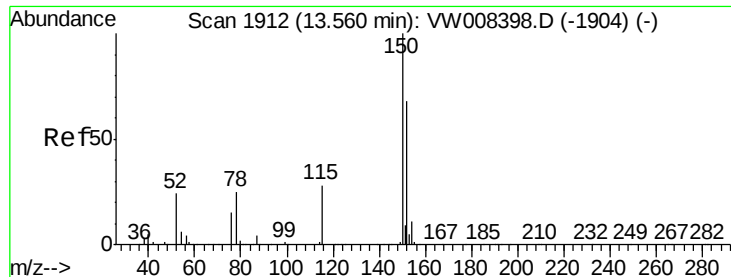
MMDadoda
2/5/2019 10:43:18 AM



#69
o-Xylene
Concen: 12.363 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.2	107.5	322.4	





#72

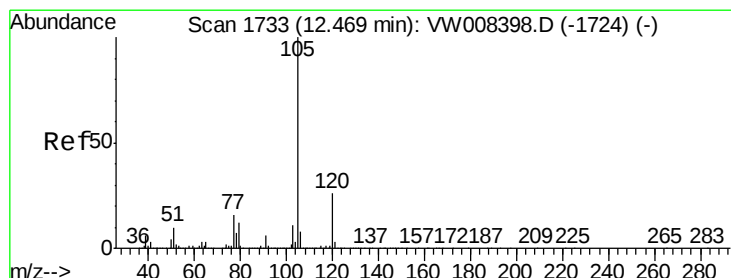
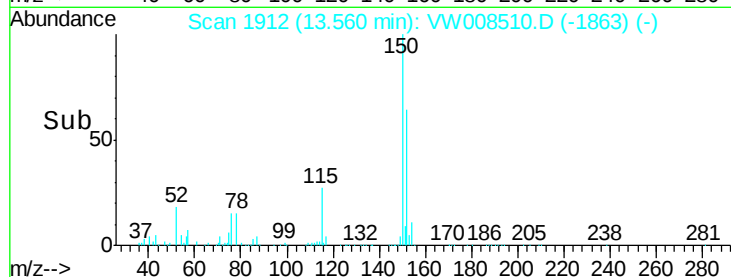
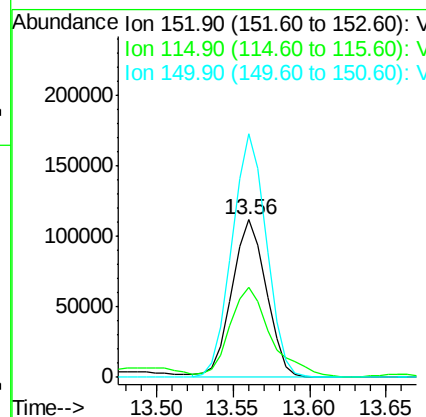
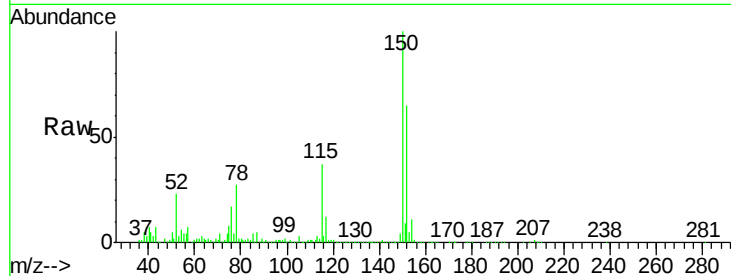
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampled :
HR-05-020419-A

Tot Ion	Ratio	Resp	Lower	Upper
152	100	174382		
115	67.2	29.9	89.7	
150	154.6	0.0	351.4	

Manual Integrations
APPROVED

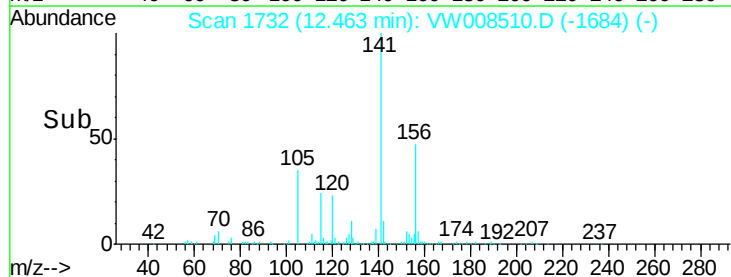
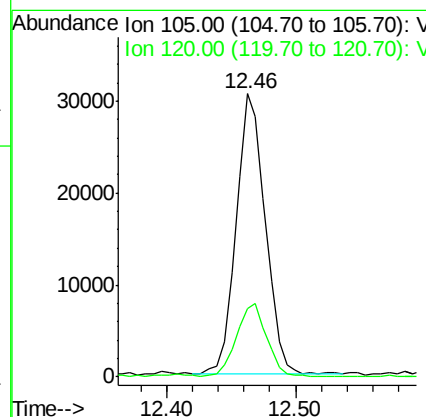
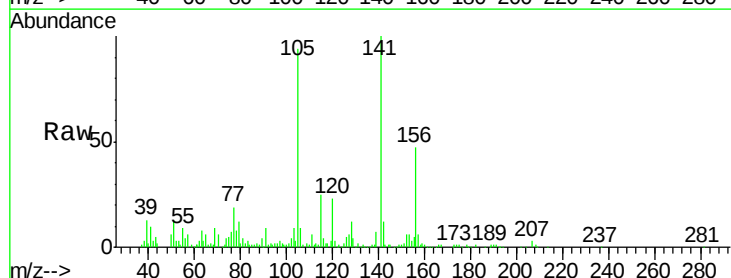
MMDadoda
2/5/2019 10:43:18 AM

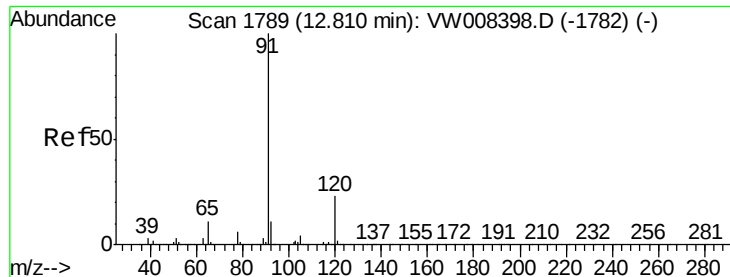


#73

Isopropylbenzene
Concen: 3.670 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	47717		
120	27.6	13.3	39.8	





#78

n-propylbenzene

Concen: 10.375 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008510.D

Acq: 04 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

HR-05-020419-A

Tot Ion: 91 Resp: 162003

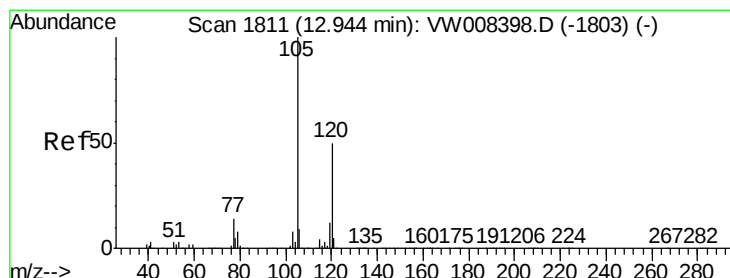
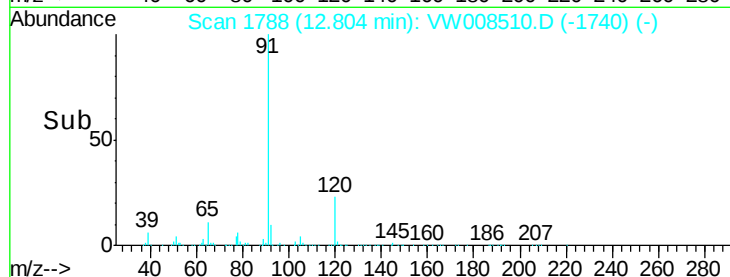
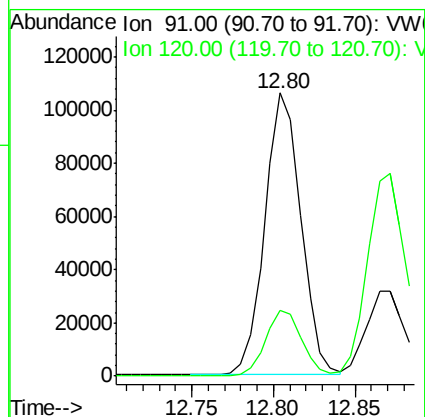
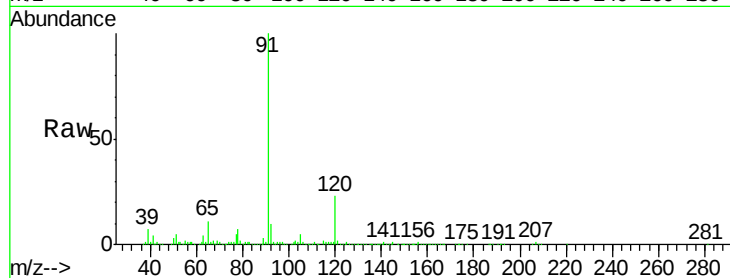
Ion Ratio Lower Upper

91 100

120 23.4 11.4 34.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:43:18 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.582 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008510.D

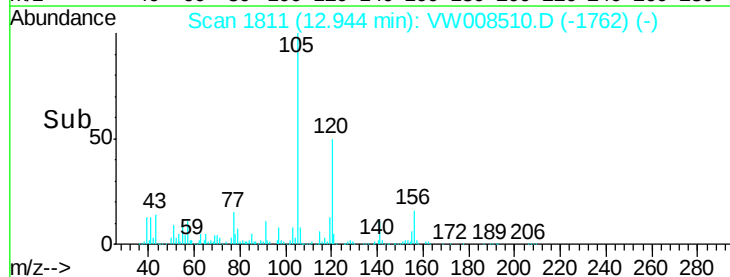
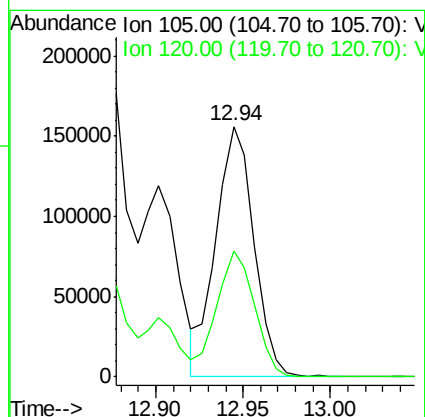
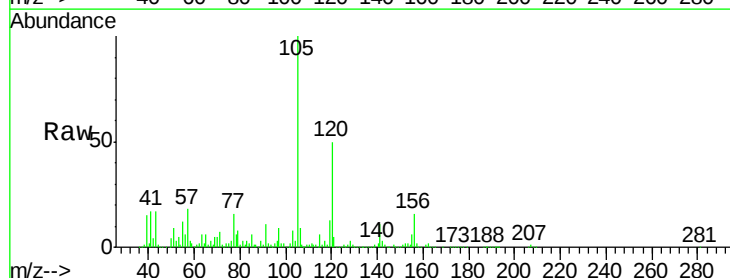
Acq: 04 Feb 2019 19:03

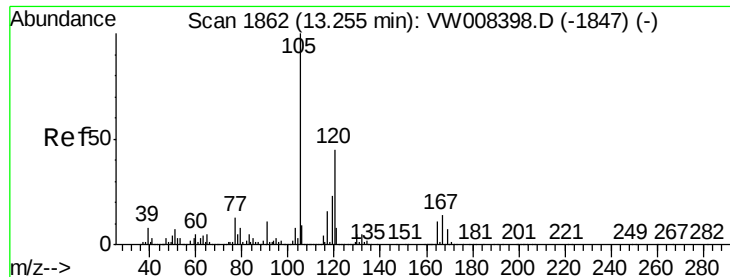
Tgt Ion: 105 Resp: 234512

Ion Ratio Lower Upper

105 100

120 50.2 24.6 73.8





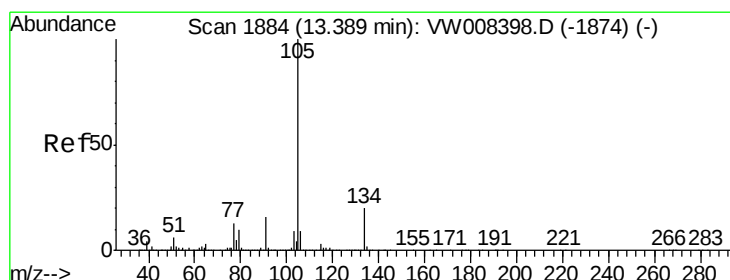
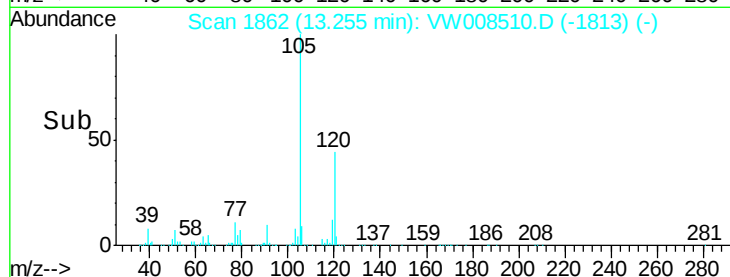
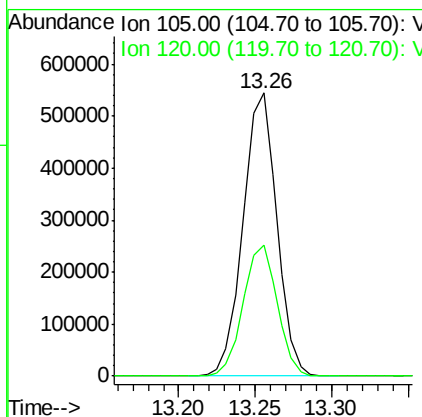
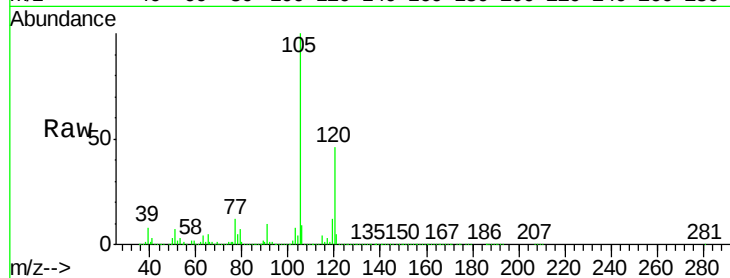
#84
1,2,4-Trimethylbenzene
Concen: 75.568 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Tot Ion:105 Resp: 834630
Ion Ratio Lower Upper
105 100
120 46.9 23.1 69.2

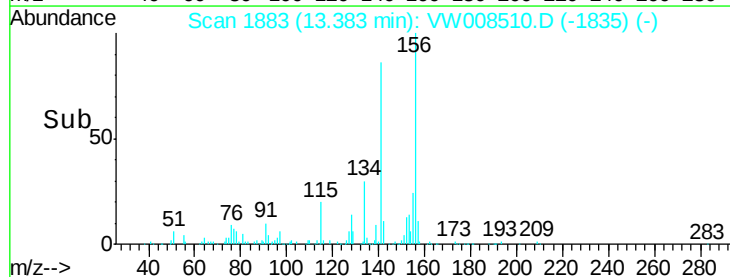
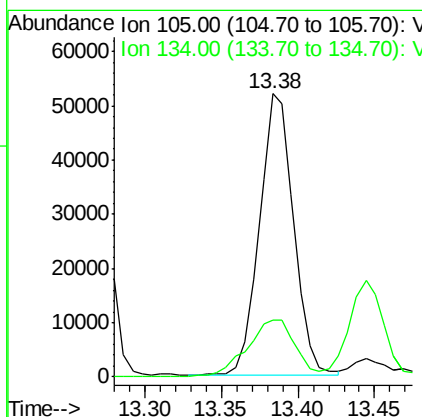
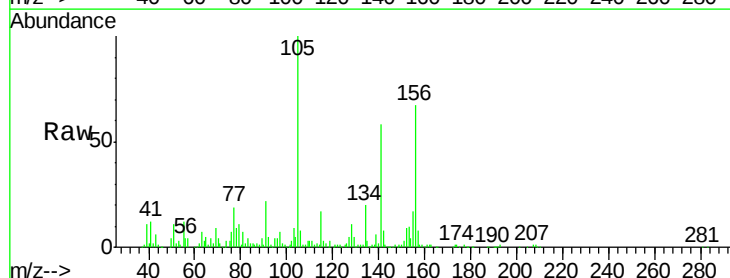
Manual Integrations
APPROVED

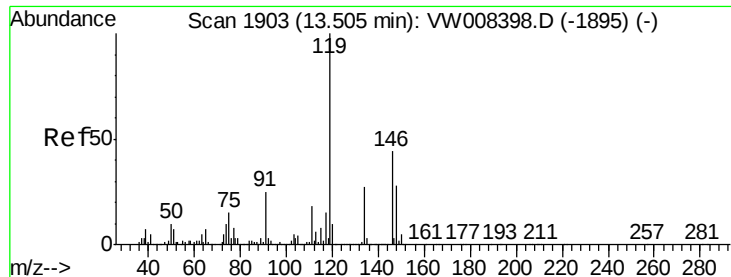
MMDadoda
2/5/2019 10:43:18 AM



#85
sec-Butylbenzene
Concen: 5.861 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Tgt Ion:105 Resp: 80934
Ion Ratio Lower Upper
105 100
134 28.5 10.2 30.6





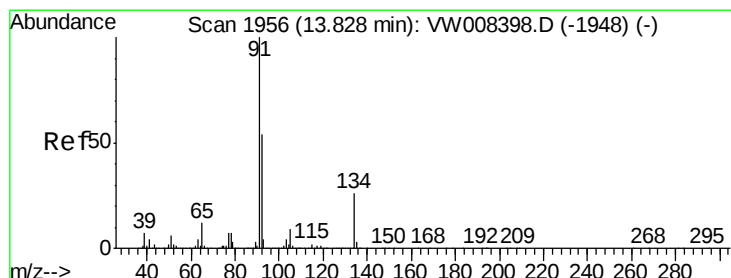
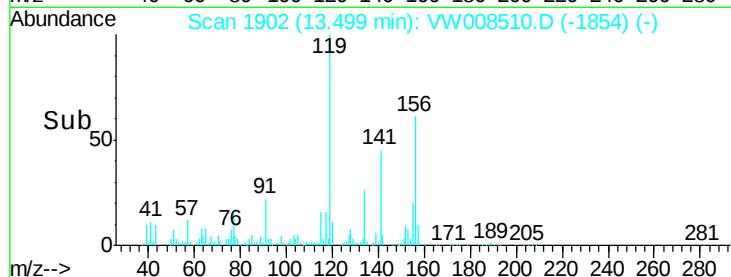
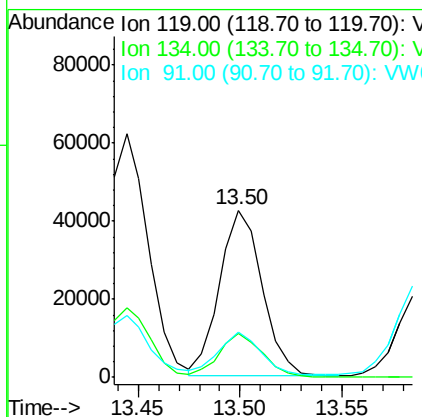
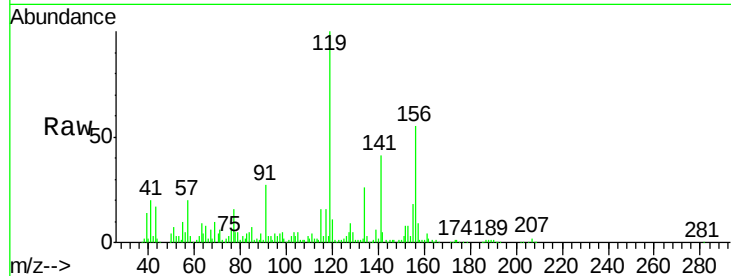
#86
 p-Isopropyltoluene
 Concen: 5.070 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008510.D
 Acq: 04 Feb 2019 19:03

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-020419-A

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	25.1	12.6	37.6

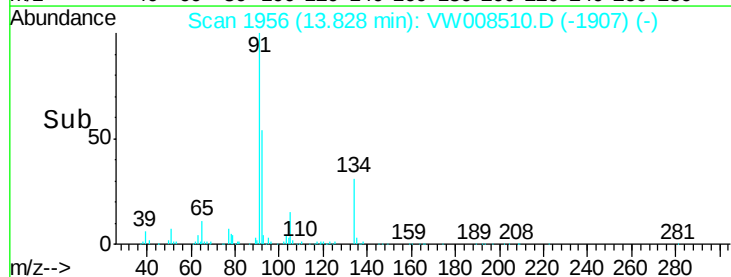
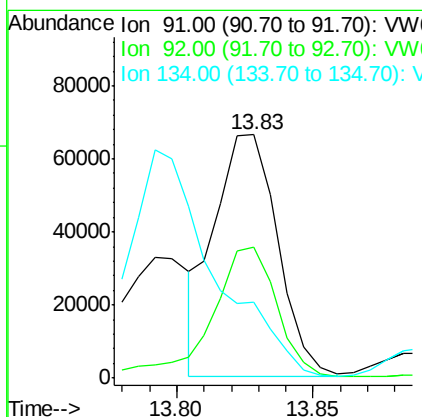
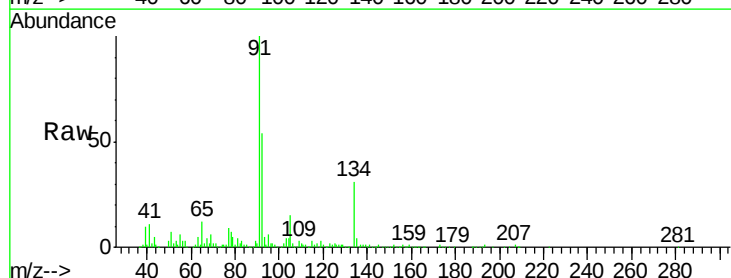
Manual Integrations
 APPROVED

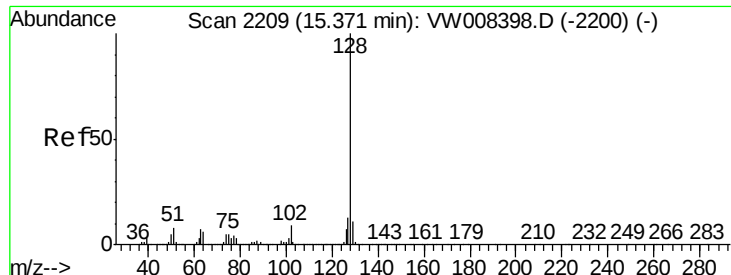
MMDadoda
 2/5/2019 10:43:18 AM



#89
 n-Butylbenzene
 Concen: 9.065 ug/l m
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW008510.D
 Acq: 04 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.4	82.2
134	0.0	13.0	39.0#





#95
Naphthalene
Concen: 36.160 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008510.D
Acq: 04 Feb 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :
HR-05-020419-A

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/5/2019 10:43:18 AM

