

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011636.D
 Acq On : 19 Aug 2019 16:53
 Operator : JC/SP
 Sample : K4368-05DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0141DL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:41:43 PM

Quant Time: Aug 21 09:33:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	451373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	608864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	545701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	241049	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	208338	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
35) Dibromofluoromethane	5.49	113	179454	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
50) Toluene-d8	8.71	98	690096	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
62) 4-Bromofluorobenzene	11.13	95	240815	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	110158	17.749	ug/l	98
39) Methylcyclohexane	7.46	83	47919	7.454	ug/l	95
67) Ethyl Benzene	10.25	91	495752	25.521	ug/l	100
68) m/p-Xylenes	10.35	106	654758	87.813	ug/l	99
69) o-Xylene	10.69	106	33470	4.583	ug/l	99
73) Isopropylbenzene	11.02	105	43444	2.778	ug/l	100
78) n-propylbenzene	11.36	91	42475	2.518	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	60349	4.593	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	173078	13.121	ug/l	98
85) sec-Butylbenzene	11.94	105	3481m	0.231	ug/l	
95) Naphthalene	13.83	128	63082	3.730	ug/l	99

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

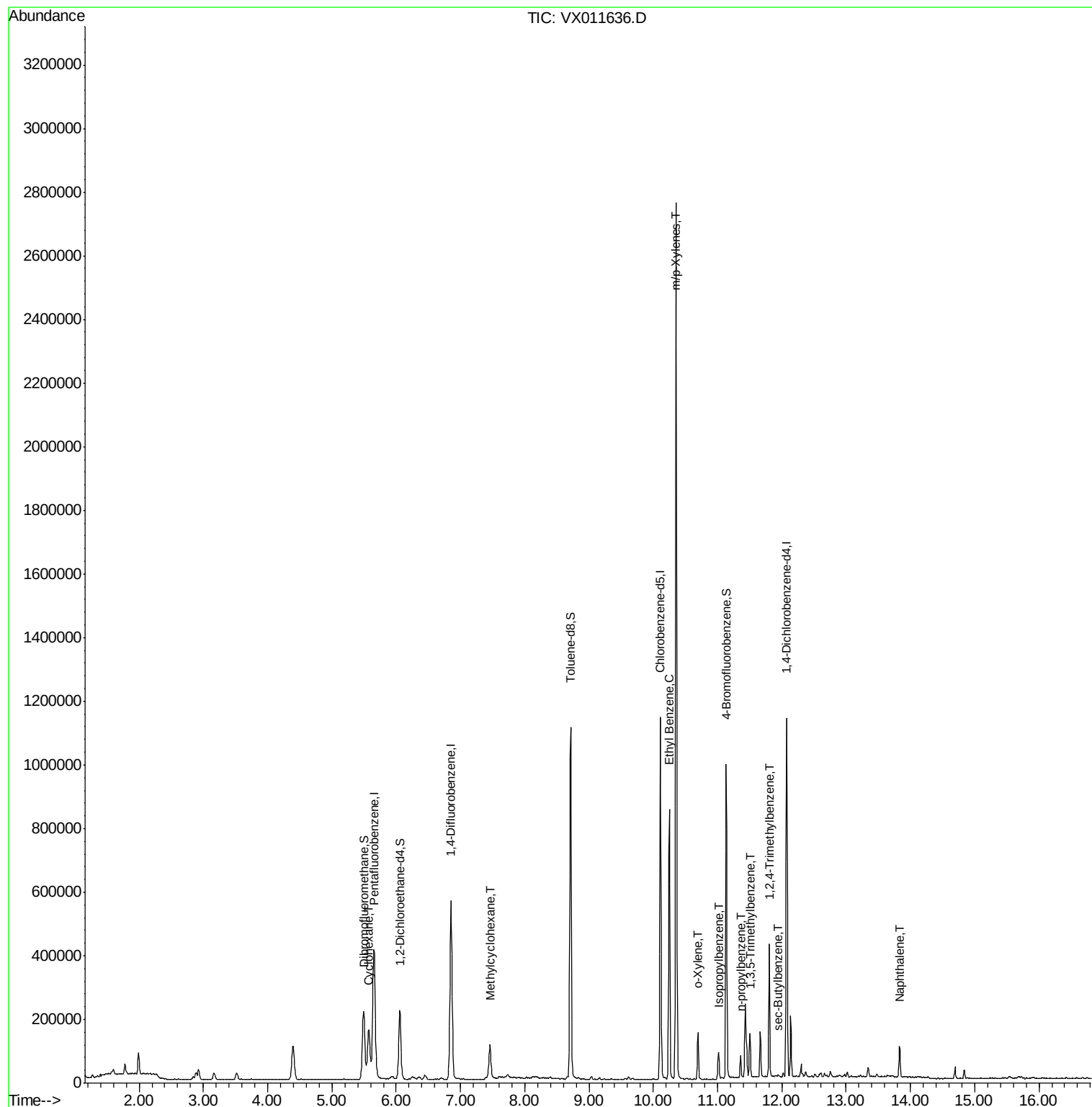
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081919\
Data File : VX011636.D
Acq On : 19 Aug 2019 16:53
Operator : JC/SP
Sample : K4368-05DL 40X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

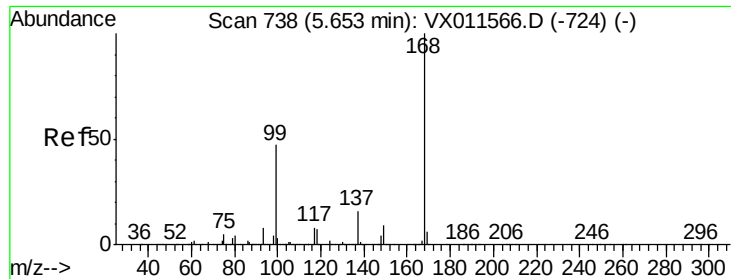
Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:43 PM

Quant Time: Aug 21 09:33:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

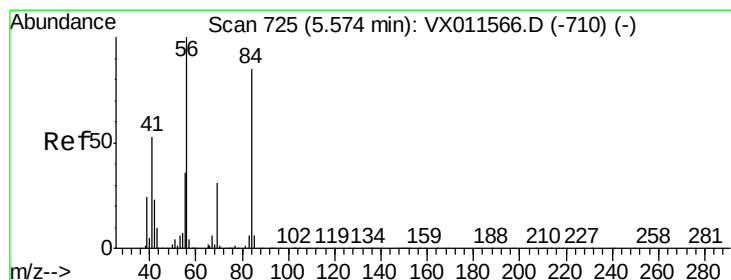
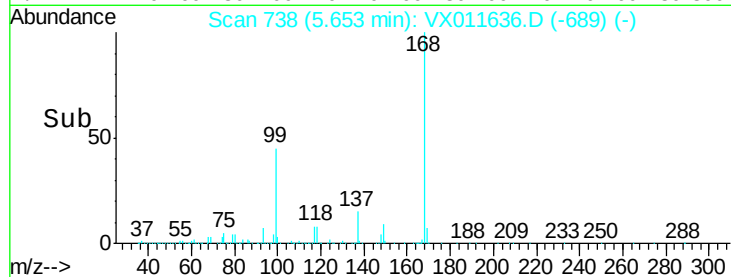
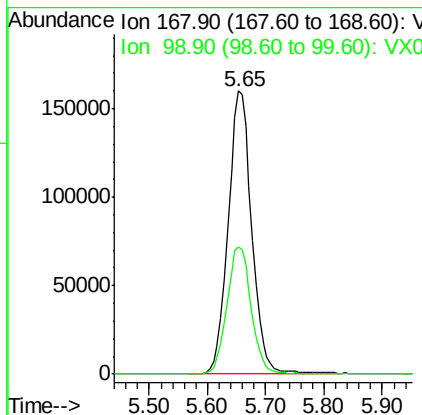
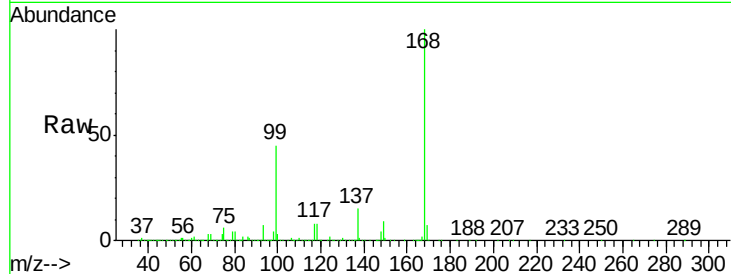
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VX011636.D
 Acq: 19 Aug 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0141DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	451373		
99	45.1	37.3	55.9	

Manual Integrations
 APPROVED

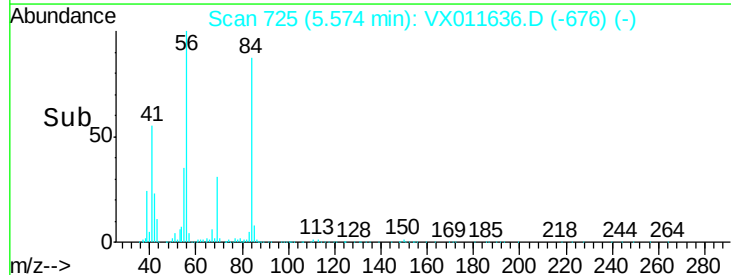
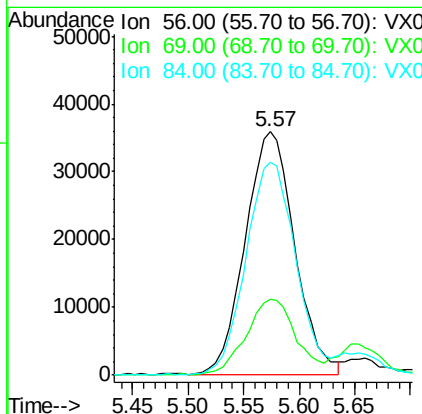
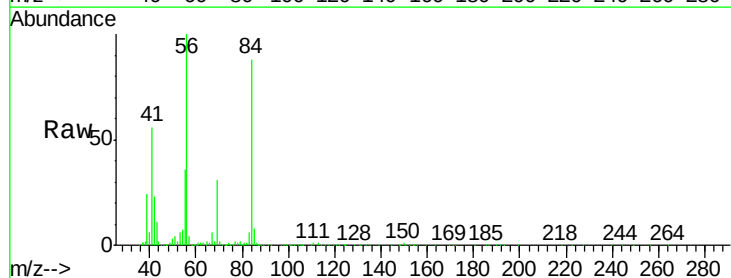
MMDadoda
 8/20/2019 3:41:43 PM

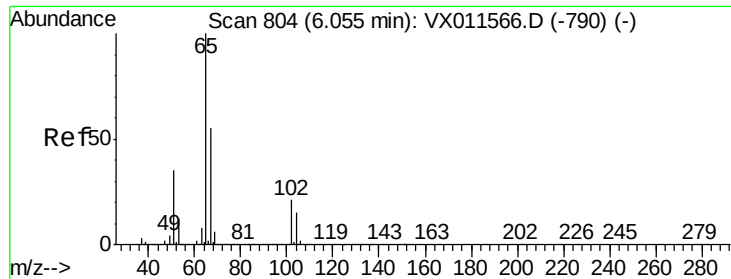


#31

Cyclohexane
 Concen: 17.749 ug/l
 RT: 5.57 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VX011636.D
 Acq: 19 Aug 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	110158		
69	30.9	24.8	37.2	
84	87.6	67.9	101.9	





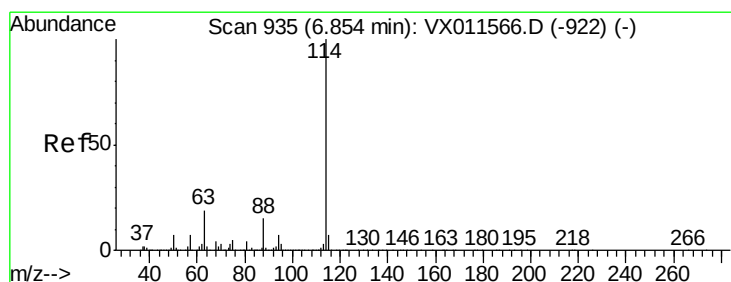
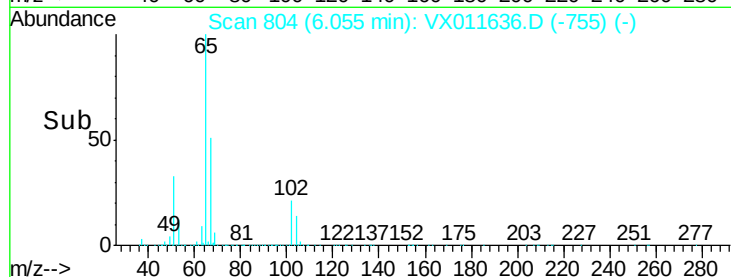
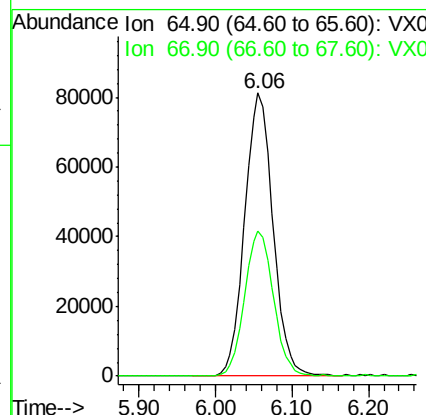
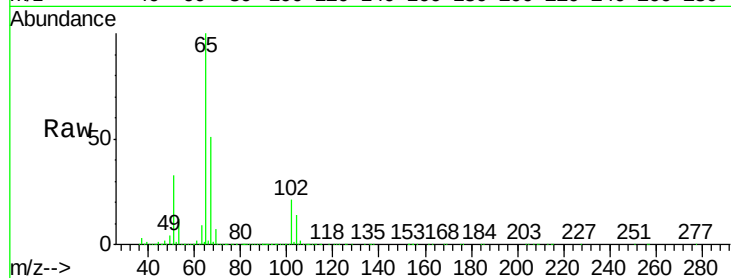
#33
 1,2-Dichloroethane-d4
 Concen: 49.772 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011636.D
 Acq: 19 Aug 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0141DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208338		
67	51.8	0.0	107.6	

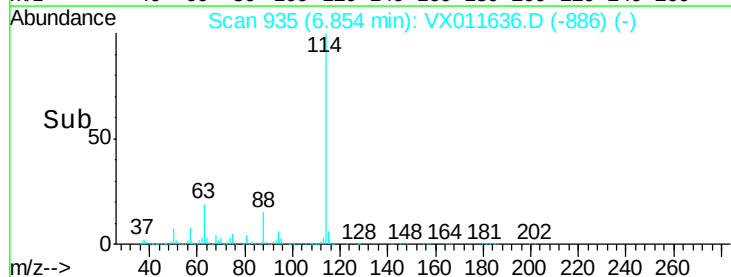
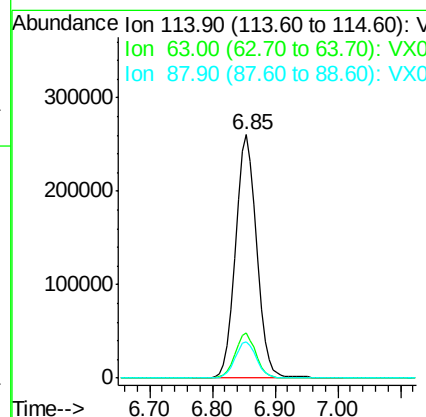
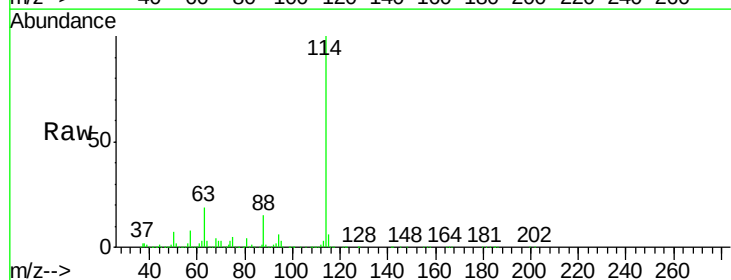
Manual Integrations
 APPROVED

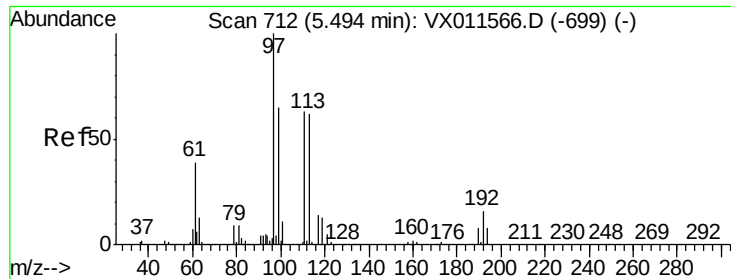
MMDadoda
 8/20/2019 3:41:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011636.D
 Acq: 19 Aug 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	608864		
63	18.7	0.0	37.8	
88	14.8	0.0	30.2	





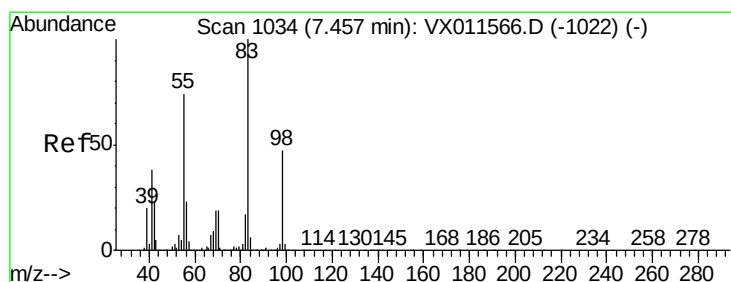
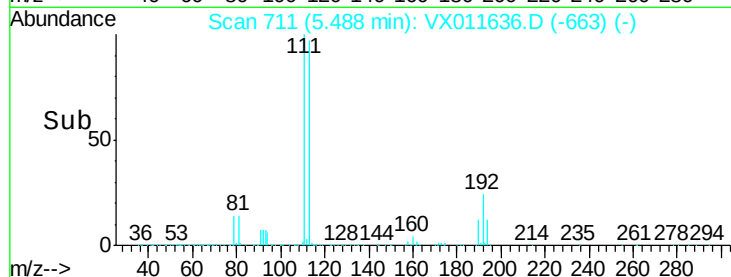
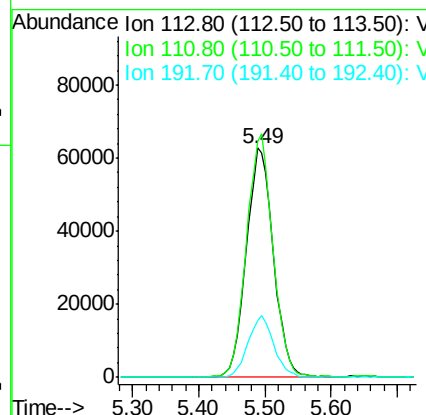
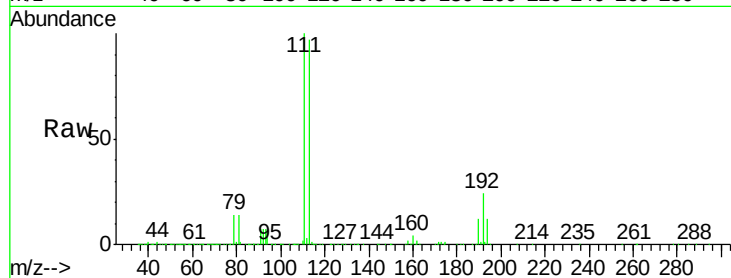
#35
Dibromofluoromethane
Concen: 45.062 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179454		
111	103.2	81.1	121.7	
192	25.6	20.8	31.2	

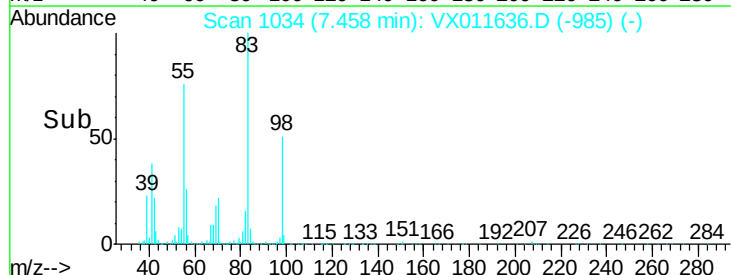
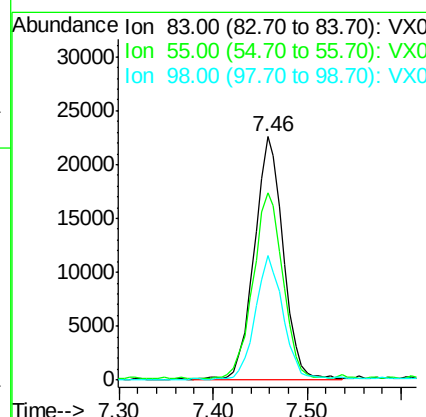
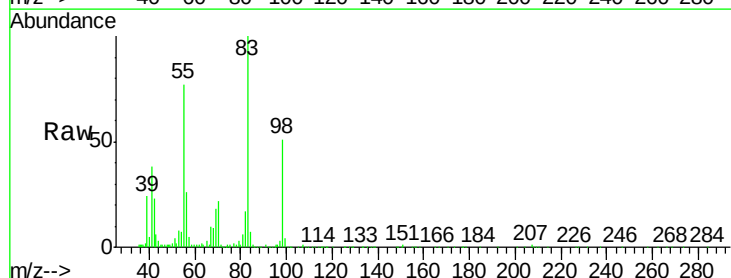
Manual Integrations
APPROVED

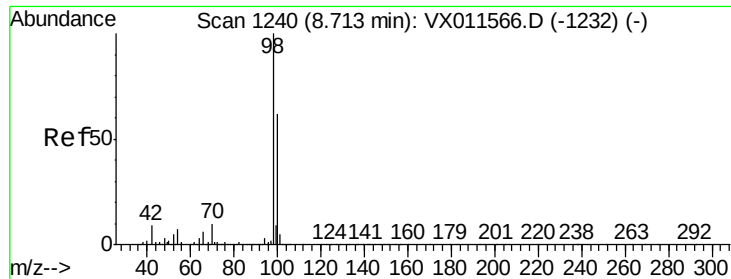
MMDadoda
8/20/2019 3:41:43 PM



#39
Methylcyclohexane
Concen: 7.454 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	47919		
55	76.8	58.8	88.2	
98	50.8	37.8	56.6	





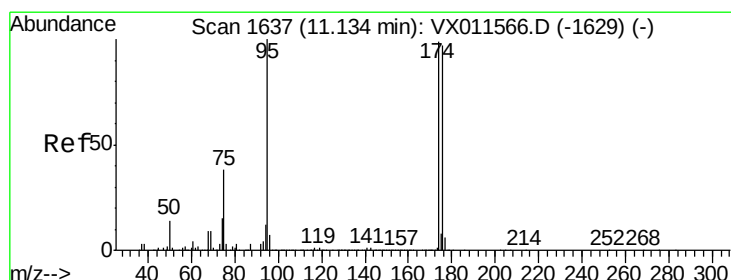
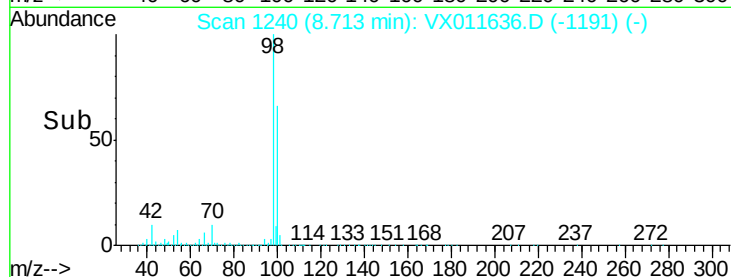
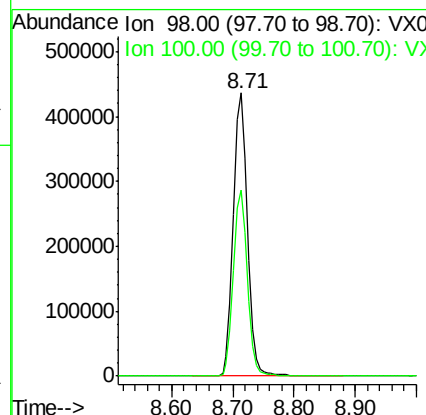
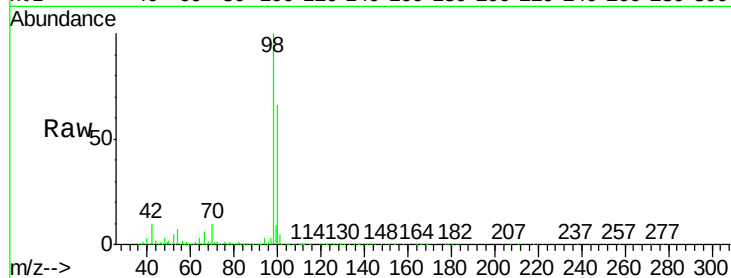
#50
Toluene-d8
Concen: 55.615 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6

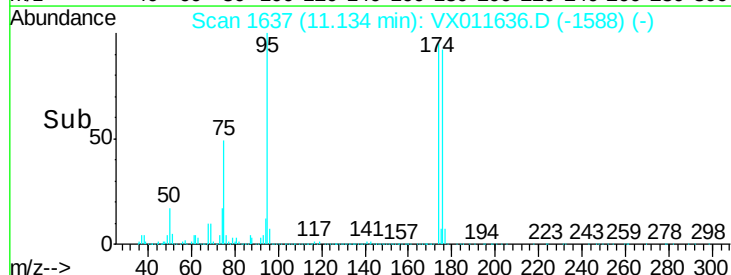
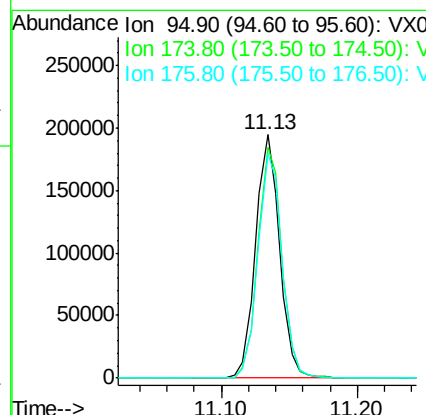
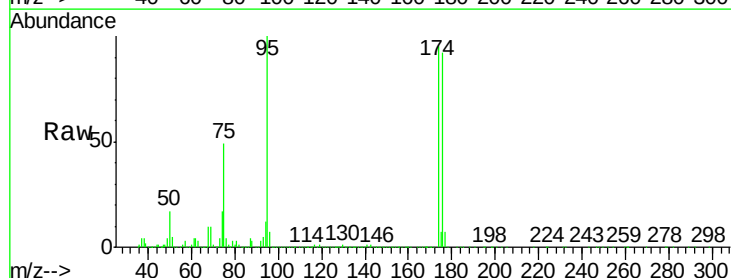
Manual Integrations
APPROVED

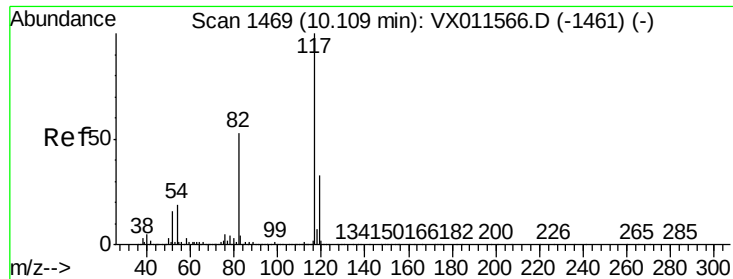
MMDadoda
8/20/2019 3:41:43 PM



#62
4-Bromofluorobenzene
Concen: 45.980 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	200.6
176	93.4	0.0	196.6





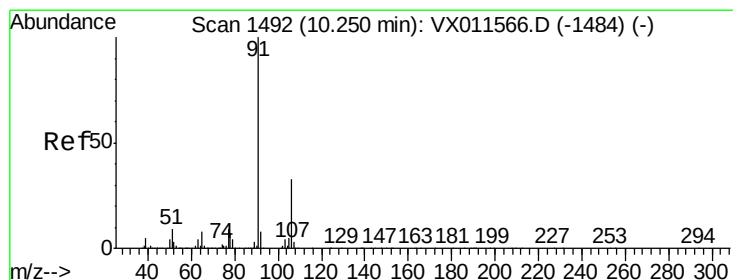
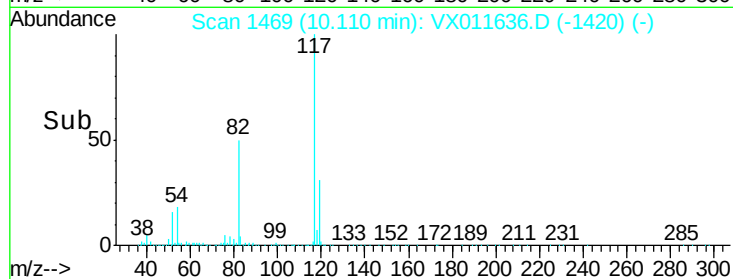
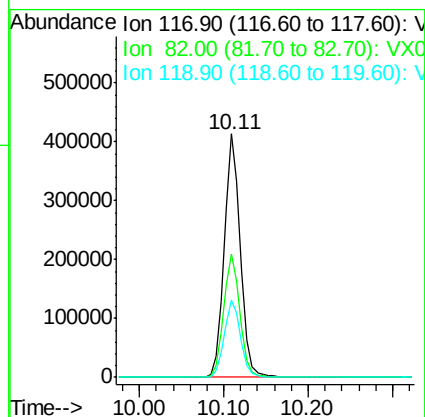
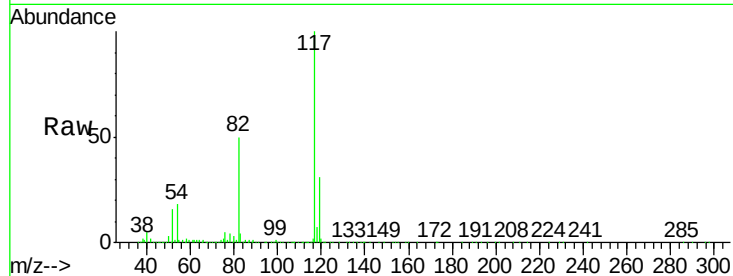
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	42.0	63.0
119	31.5	26.5	39.7

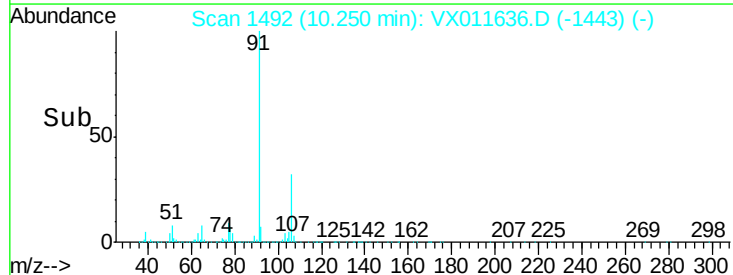
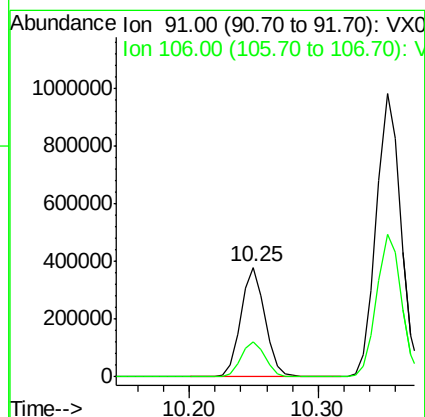
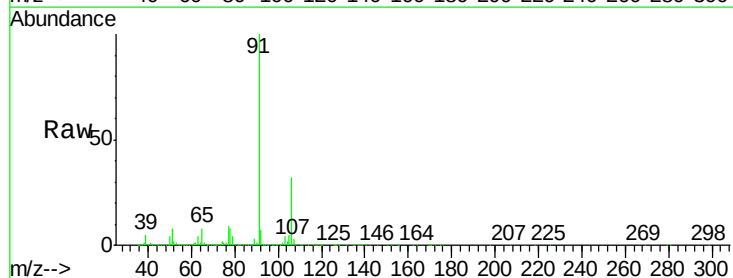
Manual Integrations
APPROVED

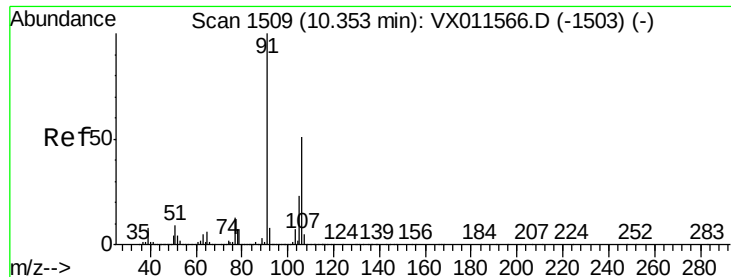
MMDadoda
8/20/2019 3:41:43 PM



#67
Ethyl Benzene
Concen: 25.521 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	26.0	39.0





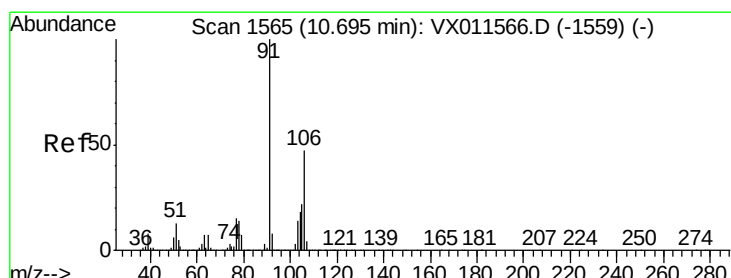
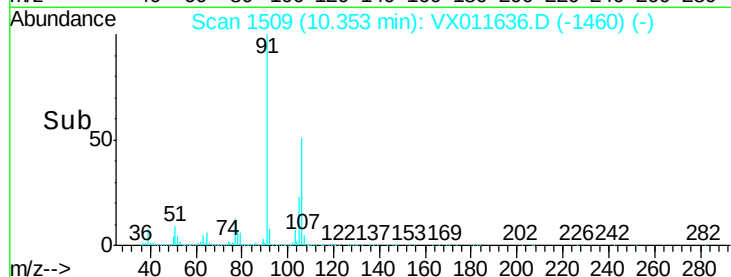
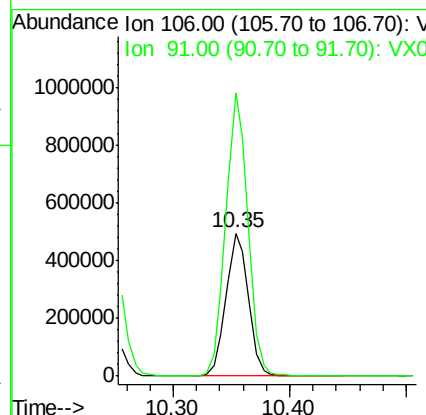
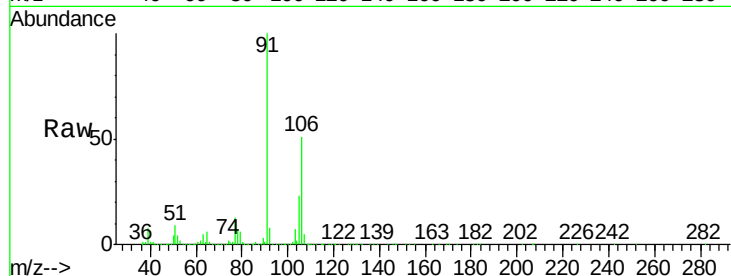
#68
m/p-Xylenes
Concen: 87.813 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Tot Ion	Ratio	Resp	Lower	Upper
106	100	654758		
91	196.8	156.0	234.0	

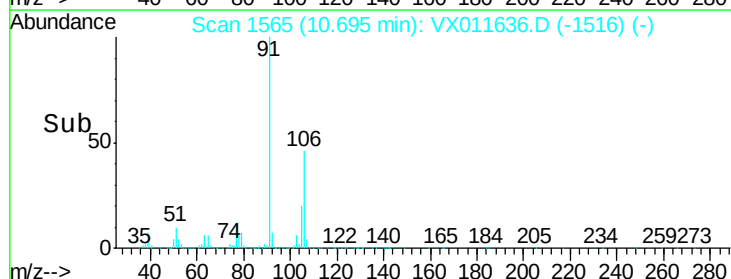
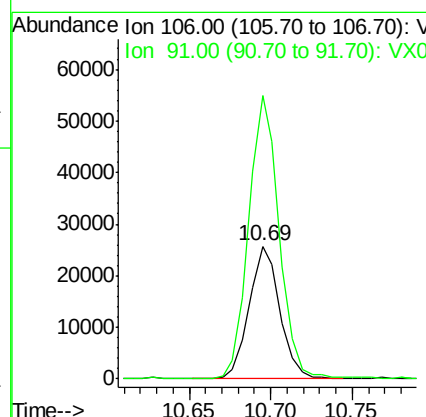
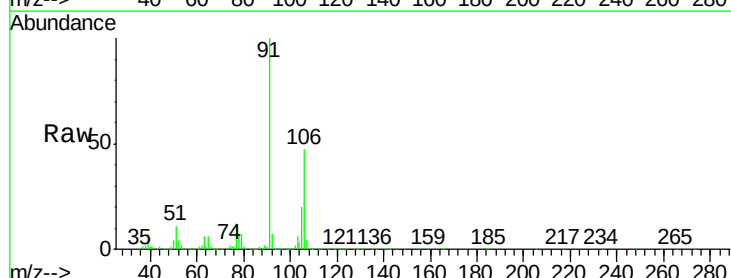
Manual Integrations
APPROVED

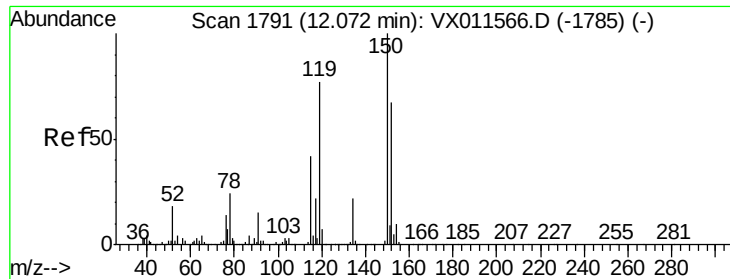
MMDadoda
8/20/2019 3:41:43 PM



#69
o-Xylene
Concen: 4.583 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	33470		
91	212.0	105.5	316.4	





#72

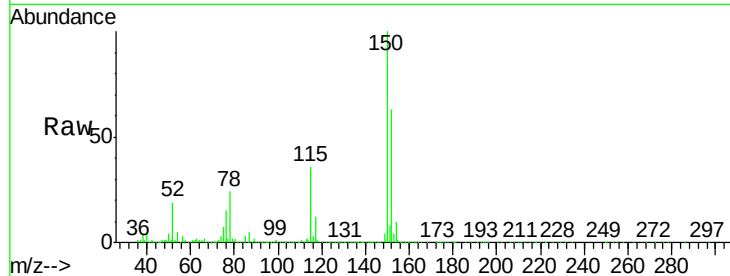
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	37.3	111.9
150	157.0	0.0	346.2

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:43 PM

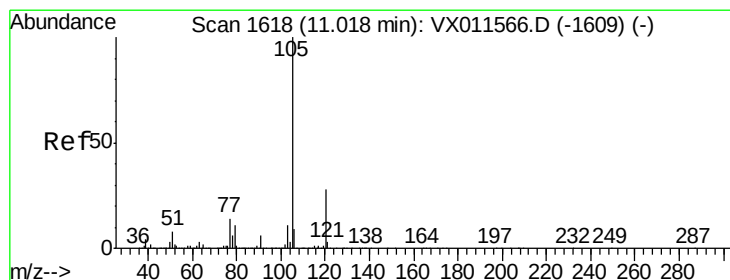
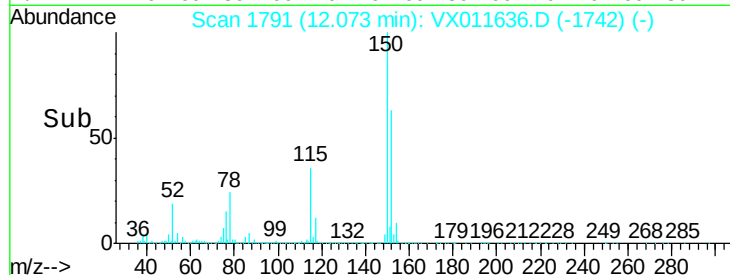
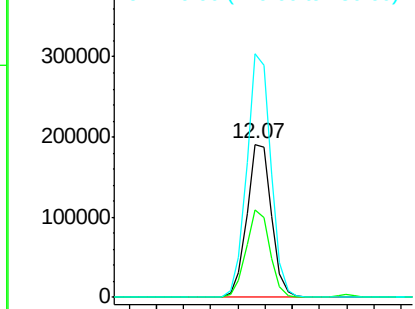


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

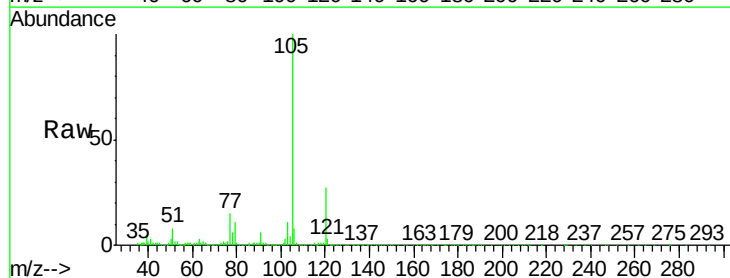
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 2.778 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

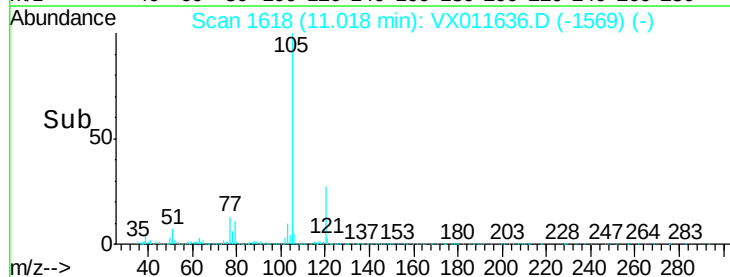
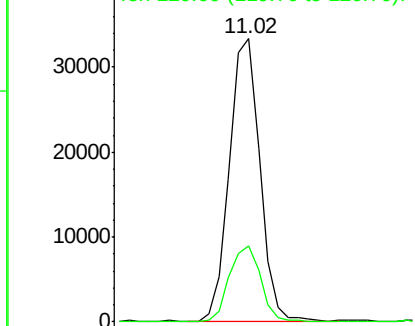
Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	14.0	41.9

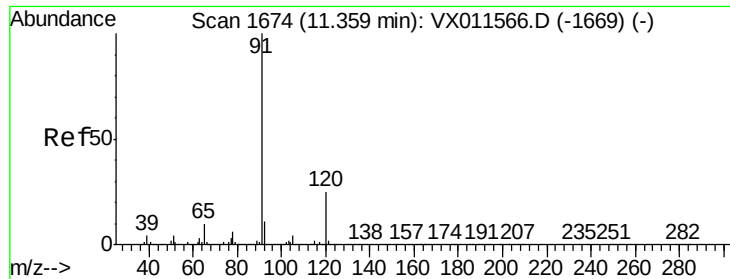


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.518 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011636.D

Acq: 19 Aug 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

PH2-0141DL

Tot Ion: 91 Resp: 42475

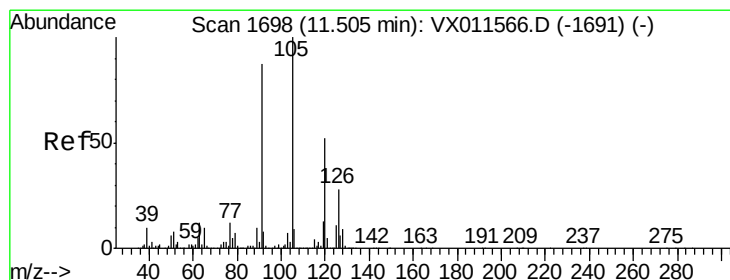
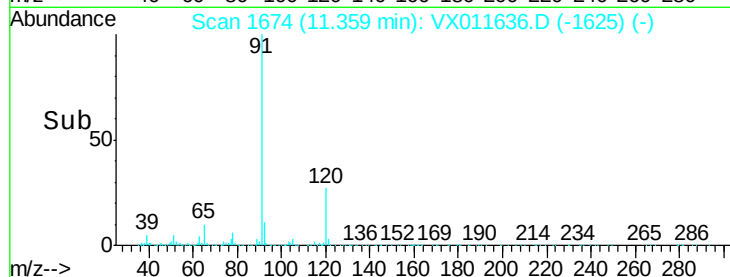
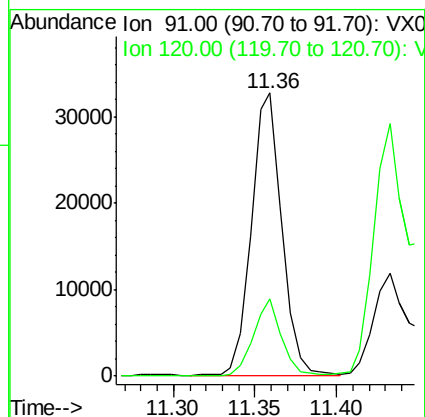
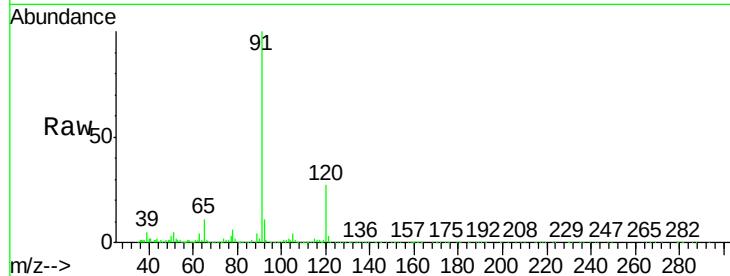
Ion Ratio Lower Upper

91 100

120 24.7 12.6 37.6

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:43 PM



#80

1,3,5-Trimethylbenzene

Concen: 4.593 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011636.D

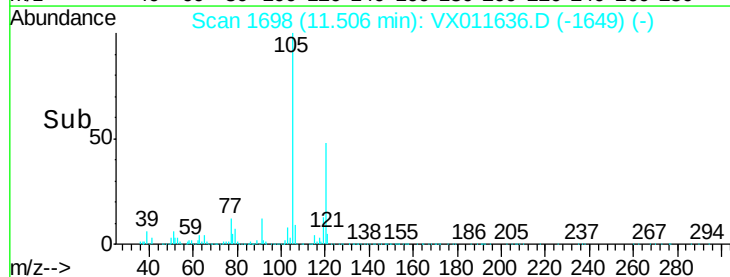
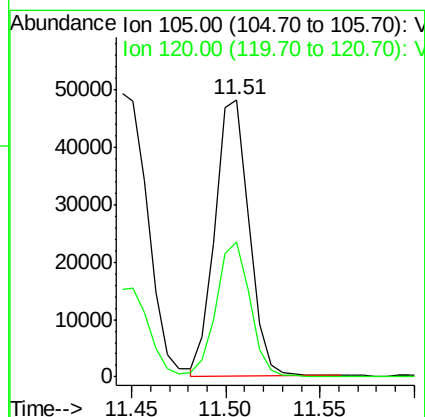
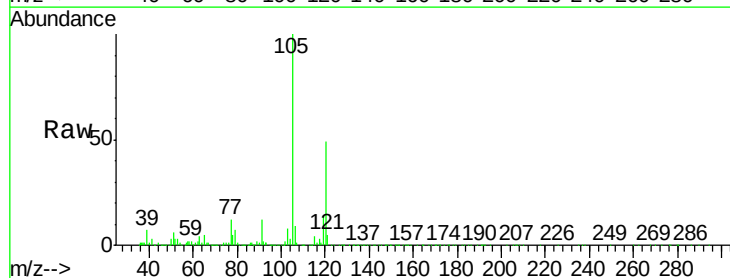
Acq: 19 Aug 2019 16:53

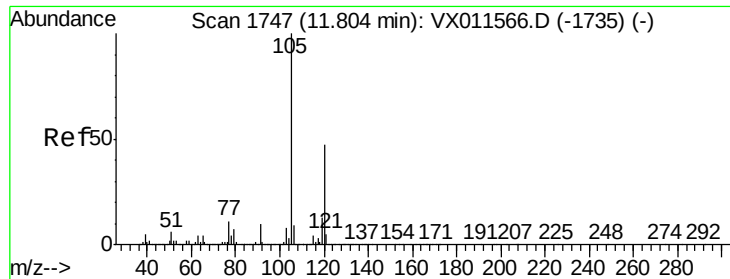
Tgt Ion: 105 Resp: 60349

Ion Ratio Lower Upper

105 100

120 48.8 25.3 75.8





#84

1,2,4-Trimethylbenzene

Concen: 13.121 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011636.D

Acq: 19 Aug 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

PH2-0141DL

Tot Ion:105 Resp: 173078

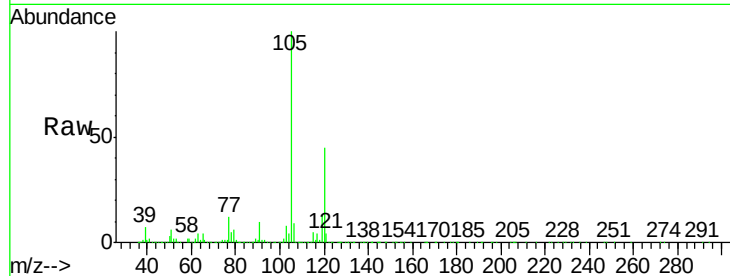
Ion Ratio Lower Upper

105 100

120 45.1 23.3 69.9

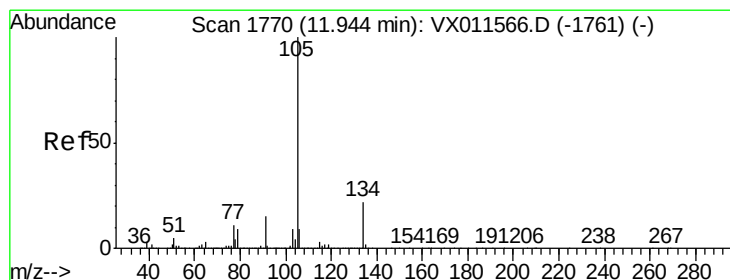
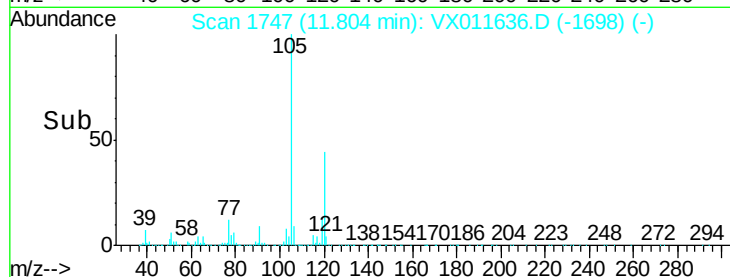
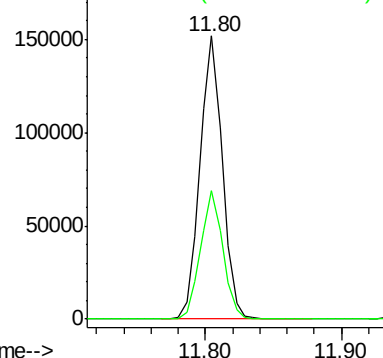
Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.231 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011636.D

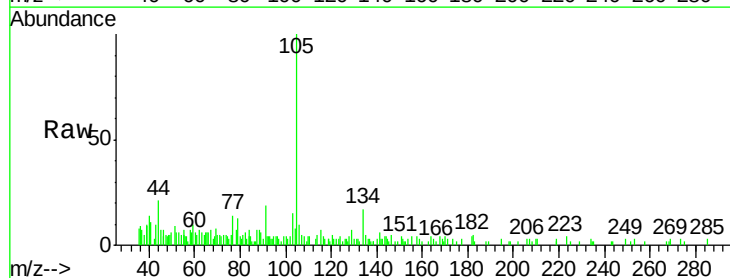
Acq: 19 Aug 2019 16:53

Tgt Ion:105 Resp: 3481

Ion Ratio Lower Upper

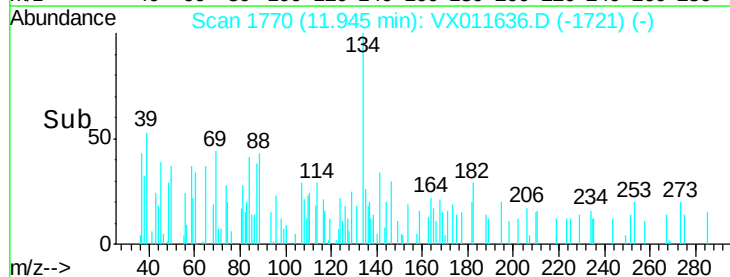
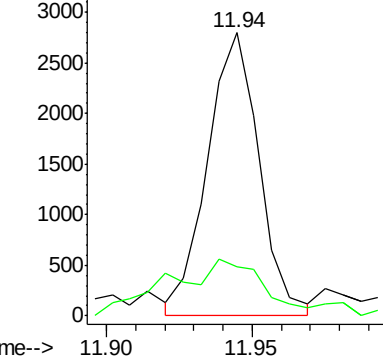
105 100

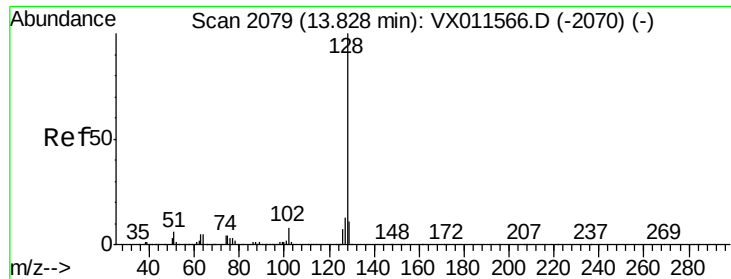
134 1.6 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 3.730 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011636.D
Acq: 19 Aug 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:41:43 PM

