

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010857.D
 Acq On : 12 Jul 2019 23:49
 Operator : JC/SP
 Sample : K3791-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0598

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 10:59:35 AM

Quant Time: Jul 13 06:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	129021	56.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.92%	
35) Dibromofluoromethane	5.50	113	113809	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	453280	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.13	95	170134	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	4817	4.206	ug/l #	81
31) Cyclohexane	5.58	56	178004	53.924	ug/l	97
39) Methylcyclohexane	7.46	83	129081	33.000	ug/l	96
67) Ethyl Benzene	10.25	91	1231193	103.021	ug/l	98
68) m/p-Xylenes	10.36	106	1854077	400.389	ug/l	96
69) o-Xylene	10.69	106	263306	57.820	ug/l	96
73) Isopropylbenzene	11.02	105	201939	16.090	ug/l	98
78) n-propylbenzene	11.36	91	119286	8.648	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	159299	15.397	ug/l	98
83) tert-Butylbenzene	11.77	119	5429	0.523	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	1052797	101.282	ug/l	99
85) sec-Butylbenzene	11.94	105	54000	4.429	ug/l	100
86) p-Isopropyltoluene	12.06	119	33583	2.978	ug/l	97
89) n-Butylbenzene	12.38	91	15834m	1.652	ug/l	
95) Naphthalene	13.83	128	600603	46.355	ug/l	99

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

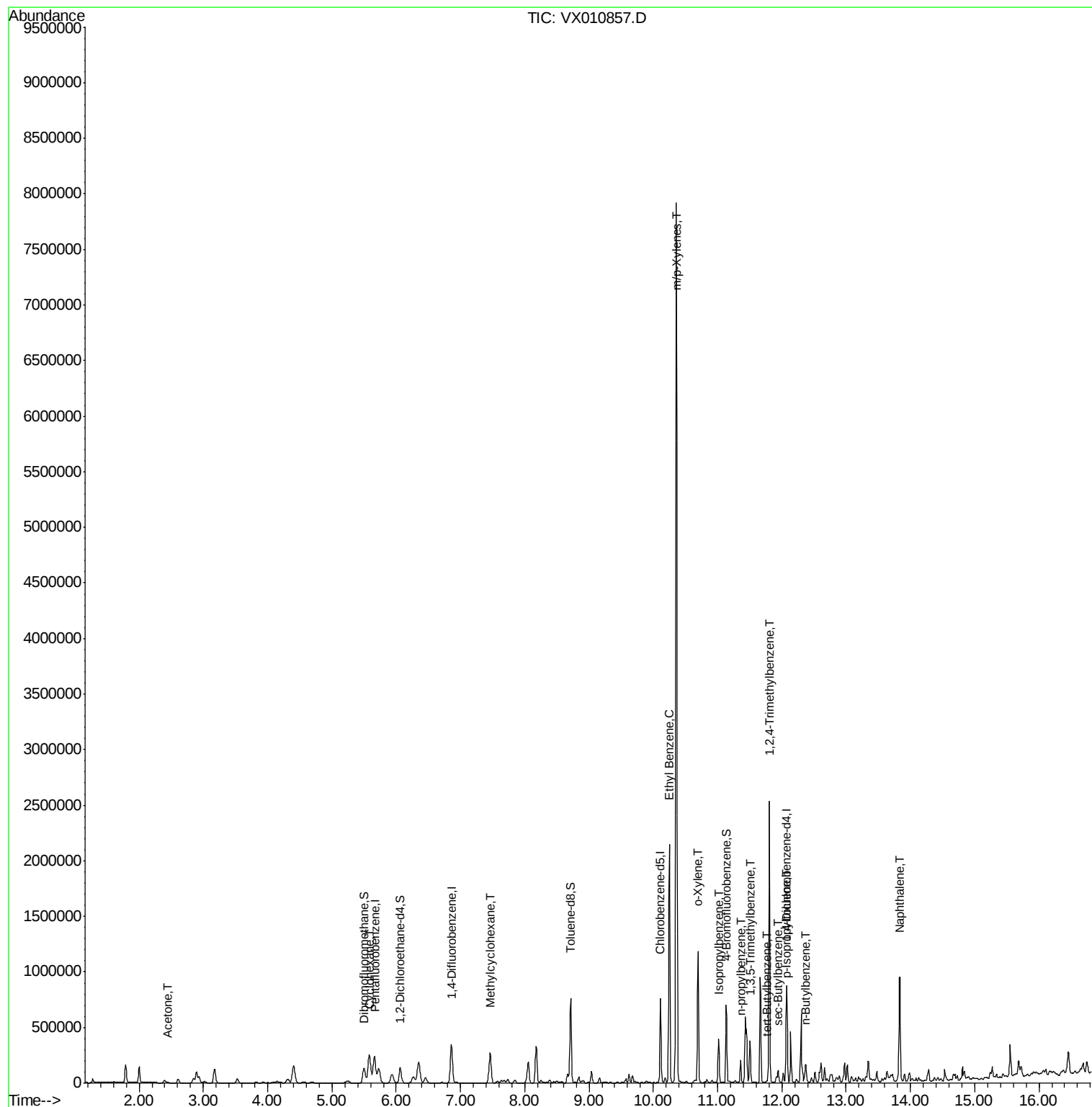
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

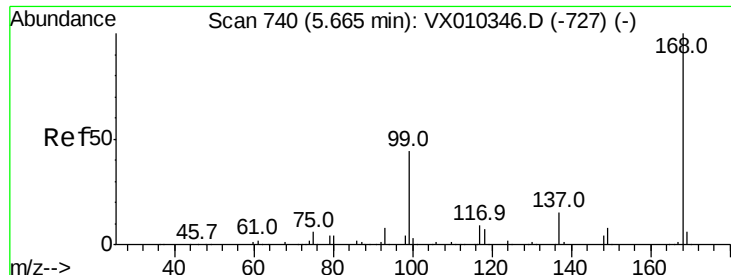
Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Manual Integrations
APPROVED

MMDadoda
7/15/2019 10:59:35 AM

Quant Time: Jul 13 06:37:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

FL-0598

Tot Ion:168 Resp: 243744

Ion Ratio Lower Upper

168 100

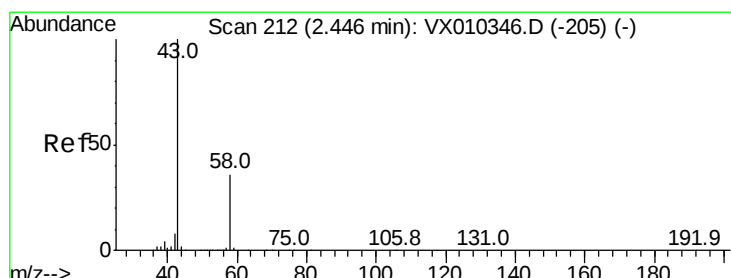
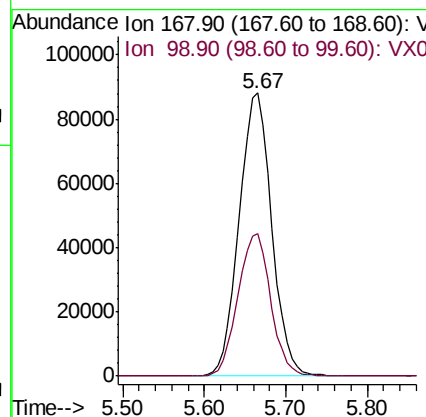
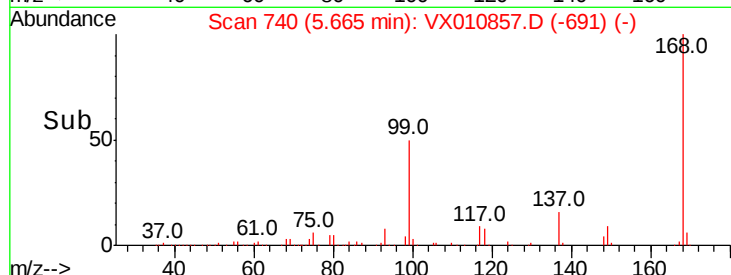
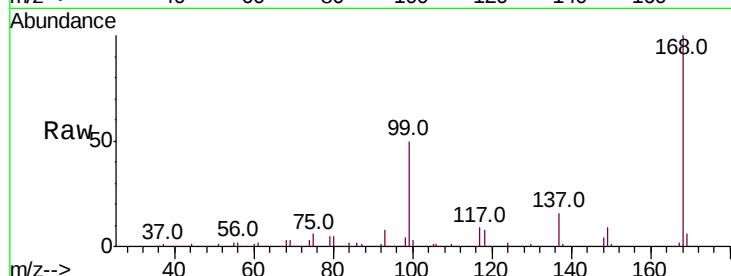
99 50.2 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/15/2019 10:59:35 AM



#16

Acetone

Concen: 4.206 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010857.D

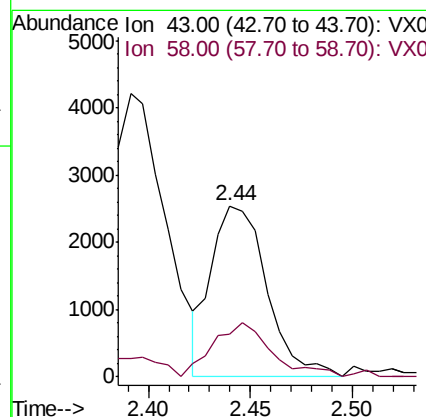
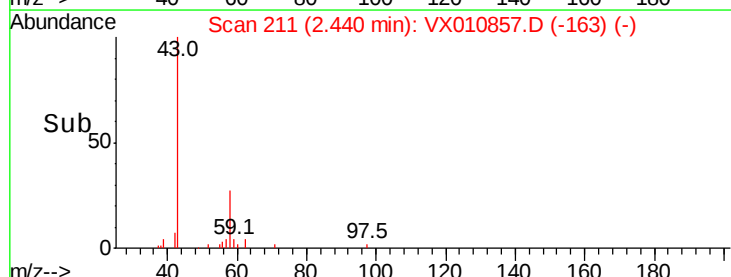
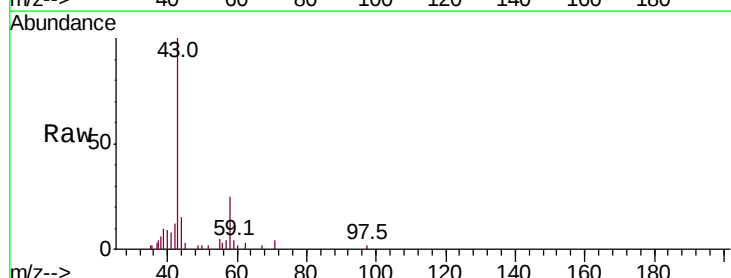
Acq: 12 Jul 2019 23:49

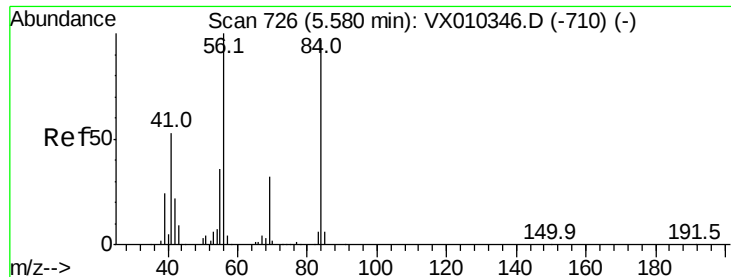
Tgt Ion: 43 Resp: 4817

Ion Ratio Lower Upper

43 100

58 25.0 28.9 43.3#





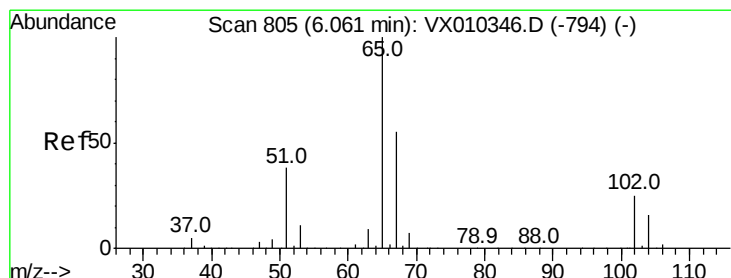
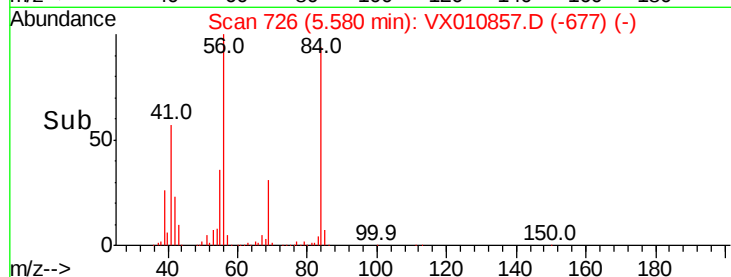
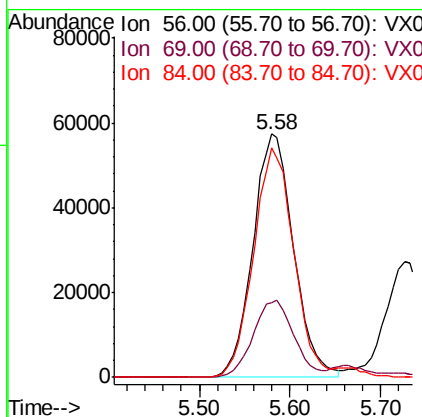
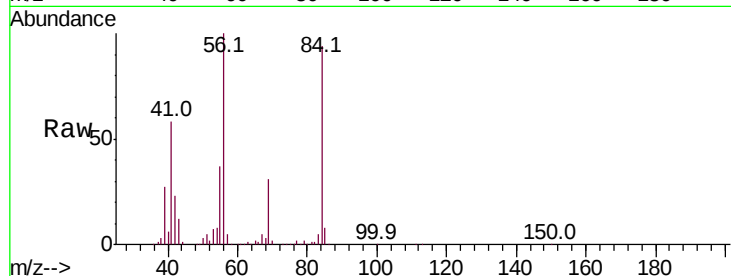
#31
Cyclohexane
Concen: 53.924 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampled :
FL-0598

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.9	38.9
84	94.1	78.0	117.0

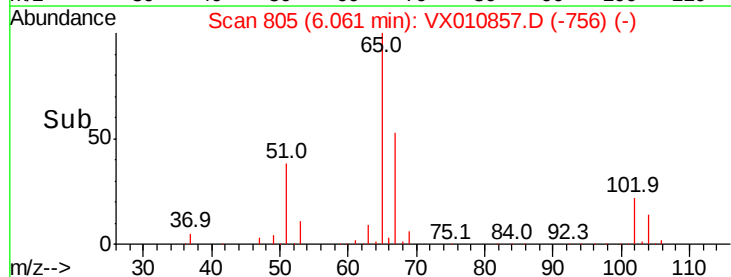
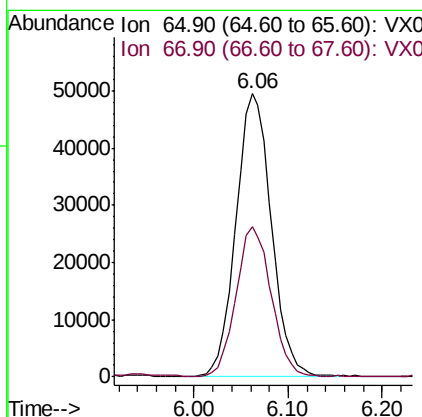
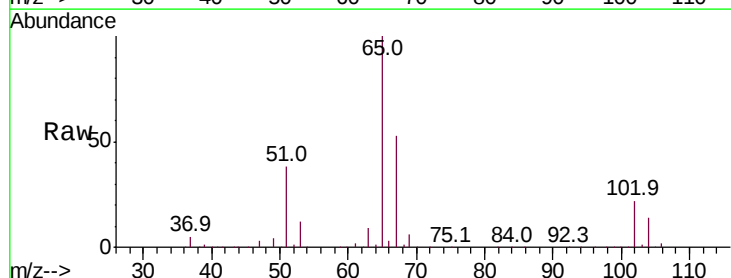
Manual Integrations
APPROVED

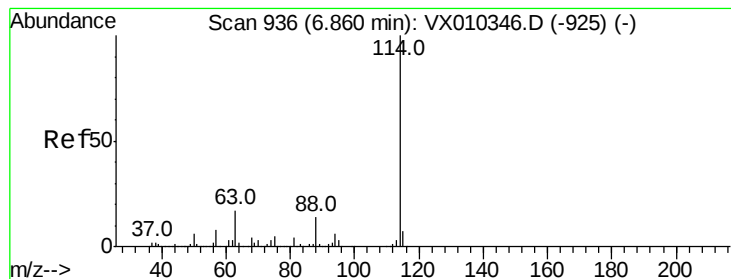
MMDadoda
7/15/2019 10:59:35 AM



#33
1,2-Dichloroethane-d4
Concen: 56.456 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

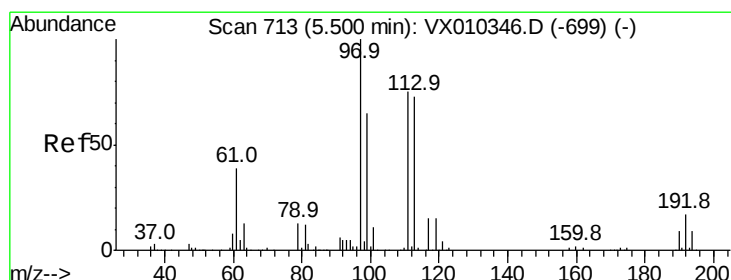
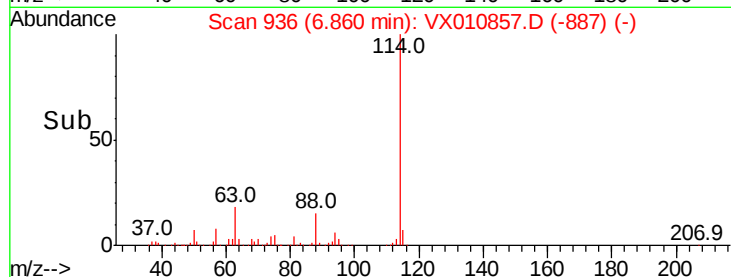
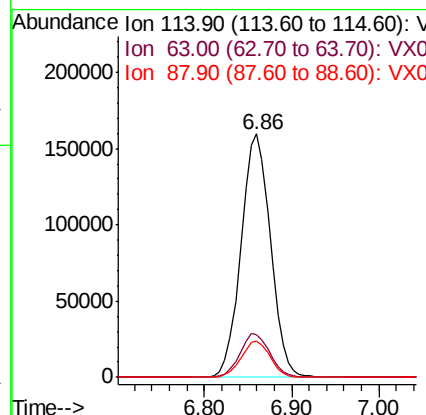
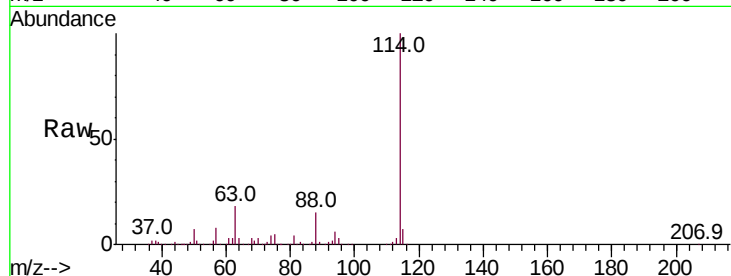
ClientSampleId :

FL-0598

Tot Ion:	114	Resp:	374471
Ion Ratio	Lower	Upper	
114	100		
63	17.7	0.0	33.8
88	15.1	0.0	27.6

Manual Integrations
APPROVED

MMDadoda
7/15/2019 10:59:35 AM



#35

Dibromofluoromethane

Concen: 49.673 ug/l

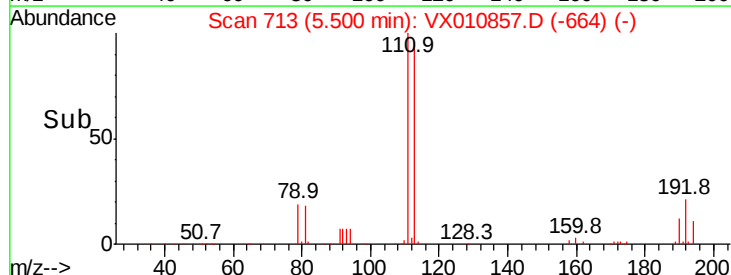
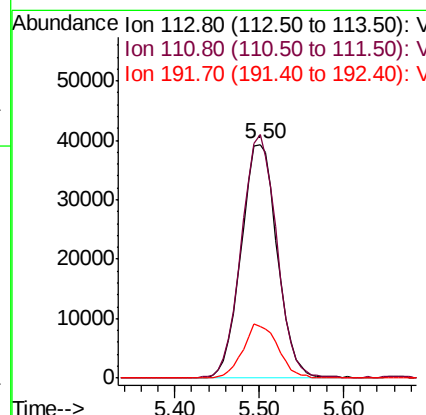
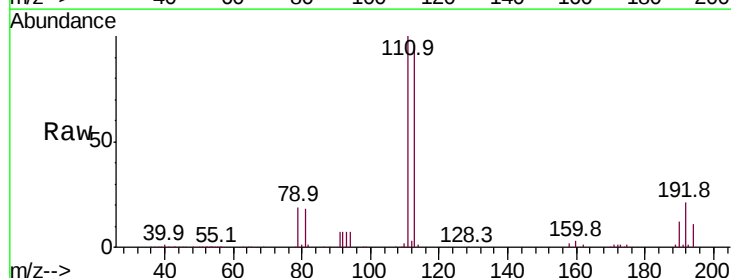
RT: 5.50 min Scan# 713

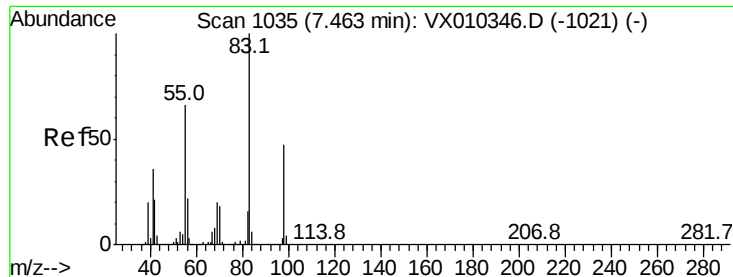
Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Tgt Ion:	113	Resp:	113809
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.2	121.8
192	22.4	18.6	27.8





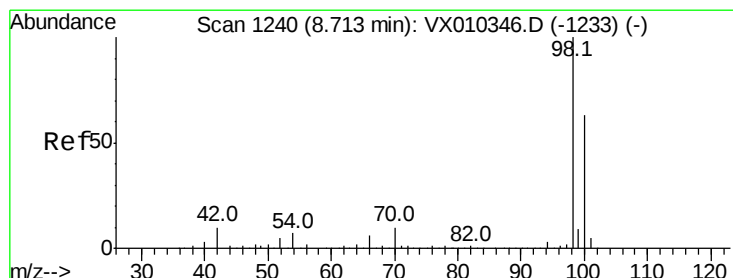
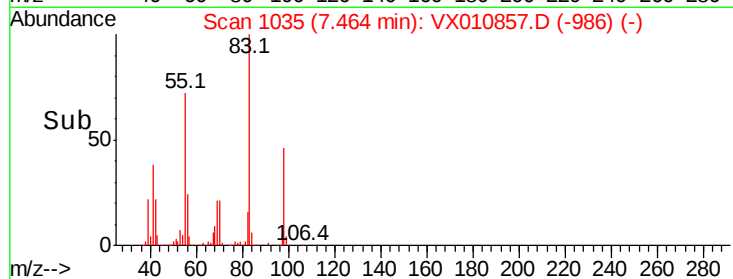
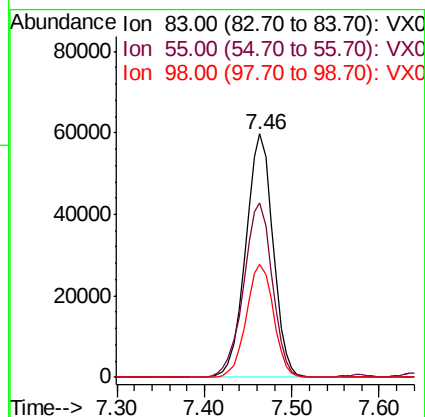
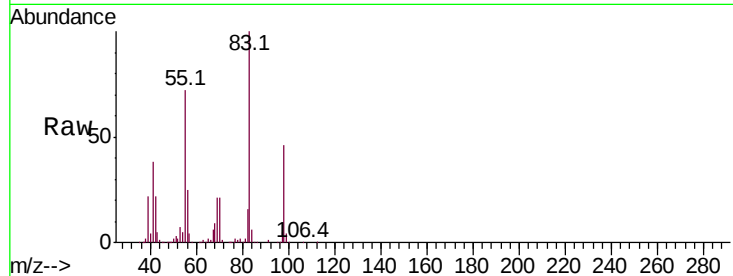
#39
Methvlcvclohexane
Concen: 33.000 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	53.0	79.6
98	46.4	37.8	56.8

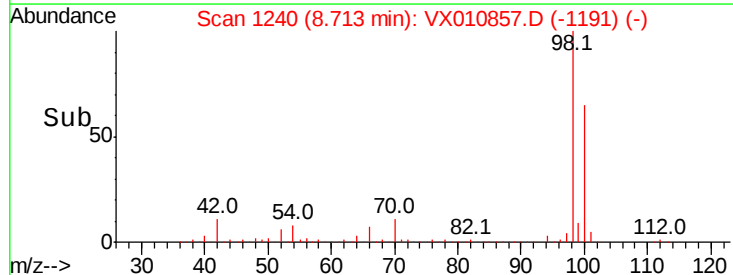
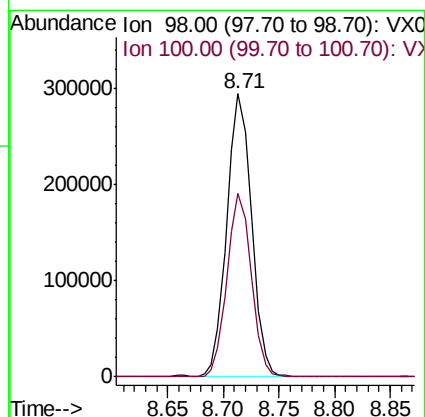
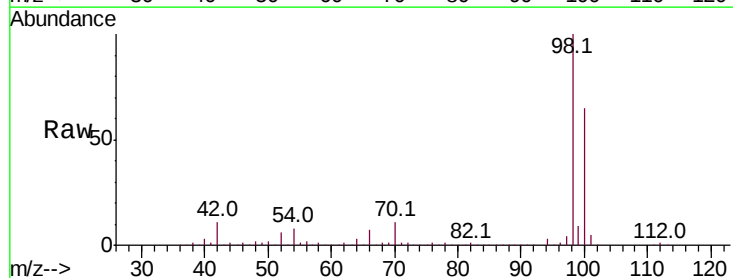
Manual Integrations
APPROVED

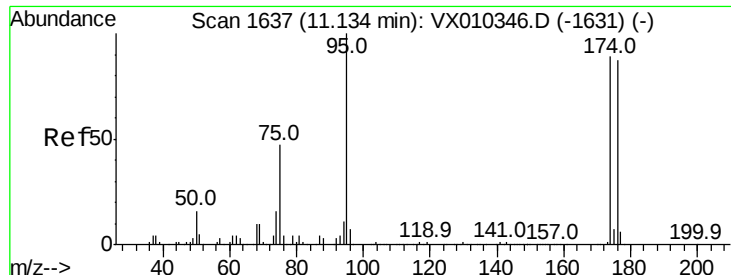
MMDadoda
7/15/2019 10:59:35 AM



#50
Toluene-d8
Concen: 51.712 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





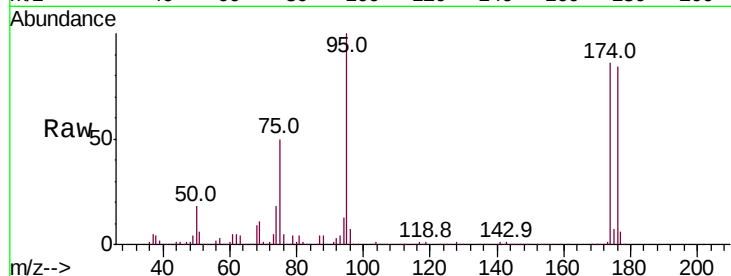
#62
4-Bromofluorobenzene
Concen: 53.762 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Tot Ion	Ratio	Resp	Lower	Upper
95	100	170134		
174	89.6	0.0	187.6	
176	87.2	0.0	184.0	

Manual Integrations
APPROVED

MMDadoda
7/15/2019 10:59:35 AM

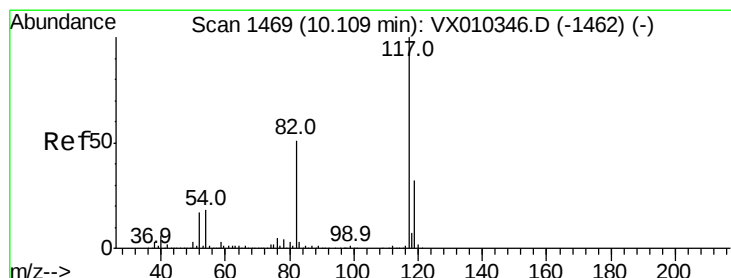
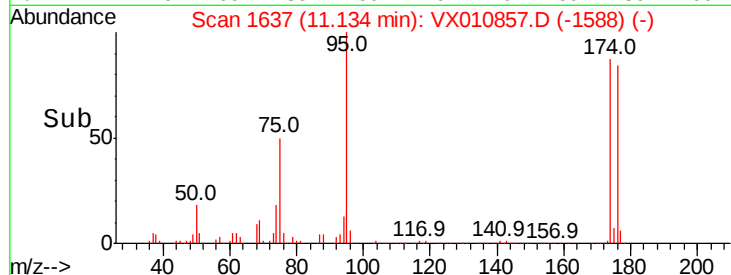
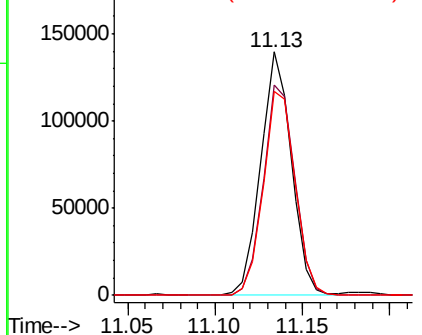


Abundance

Ion 94.90 (94.60 to 95.60): VX0

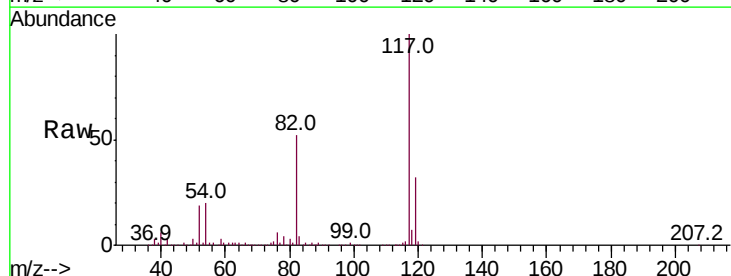
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	348687		
82	52.3	41.2	61.8	
119	32.0	25.5	38.3	

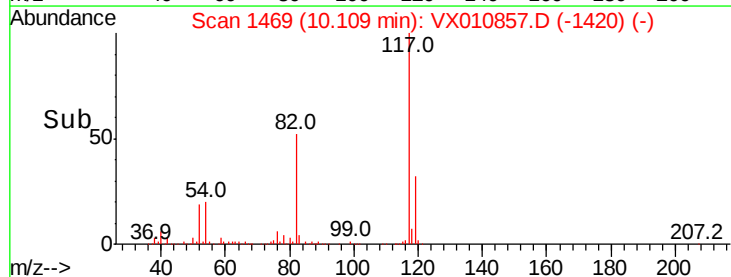
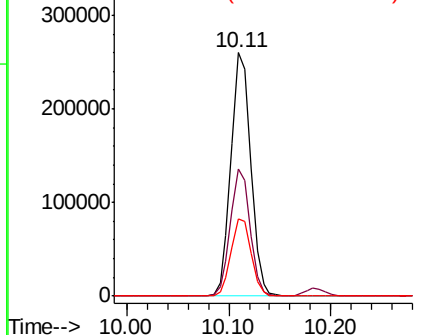


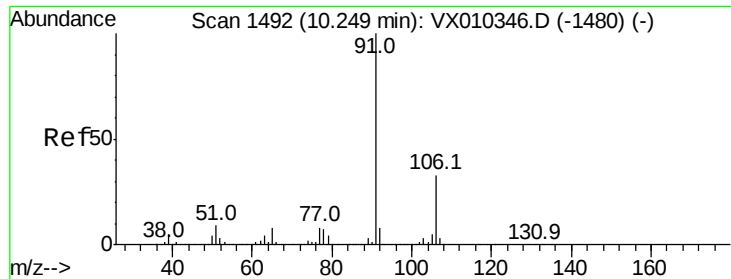
Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 103.021 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

FL-0598

Tot Ion: 91 Resp: 1231193

Ion Ratio Lower Upper

91 100

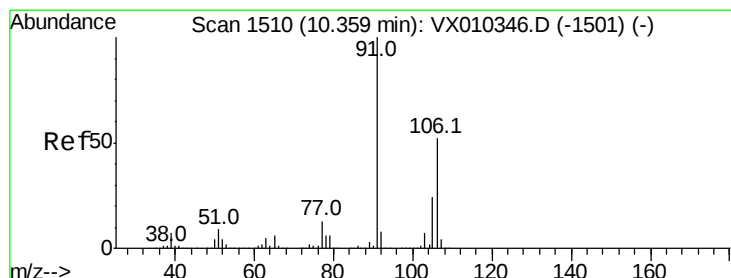
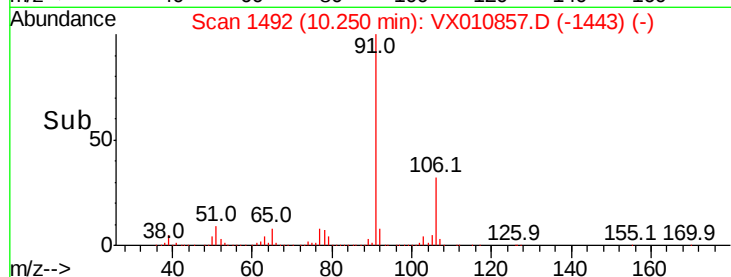
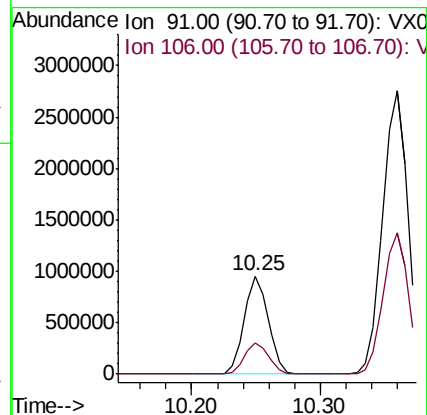
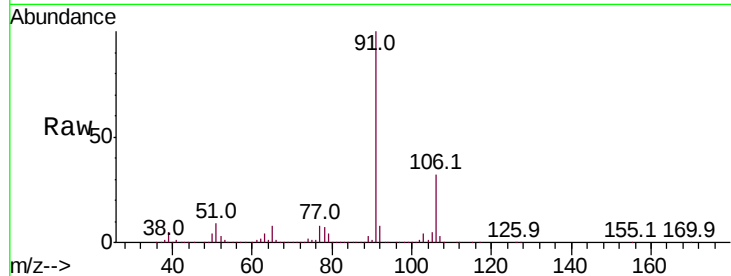
106 31.5 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

7/15/2019 10:59:35 AM



#68

m/p-Xylenes

Concen: 400.389 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010857.D

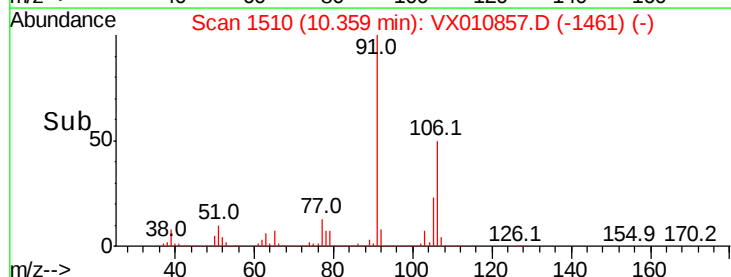
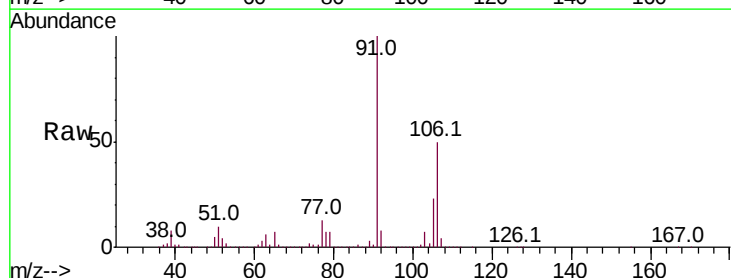
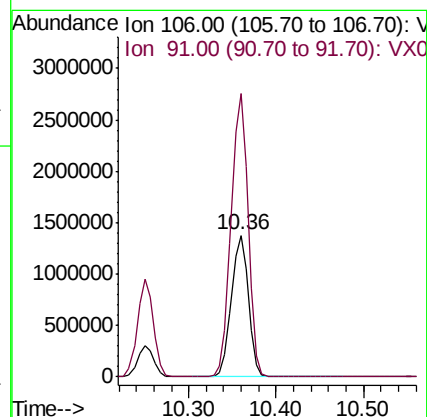
Acq: 12 Jul 2019 23:49

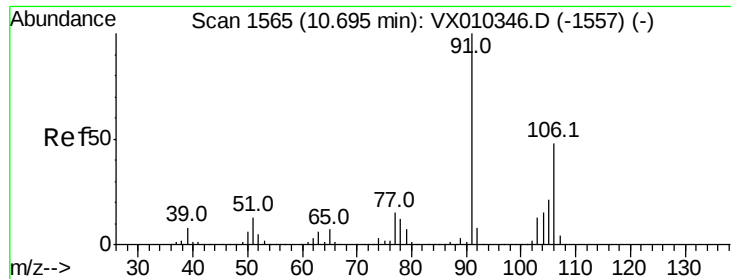
Tgt Ion: 106 Resp: 1854077

Ion Ratio Lower Upper

106 100

91 200.5 155.3 232.9





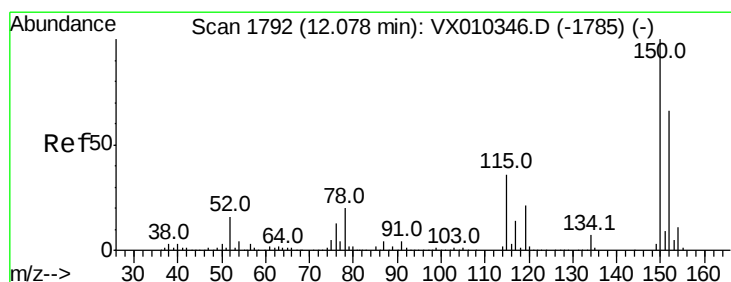
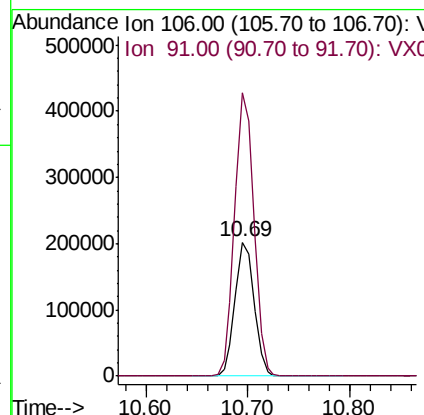
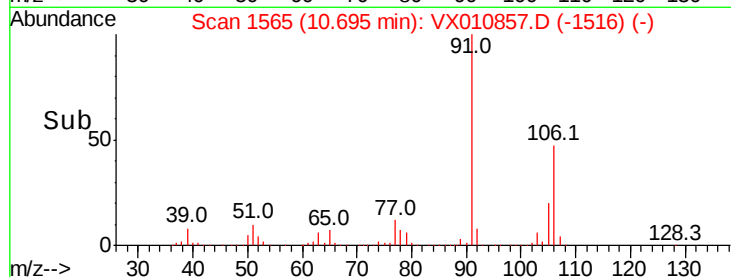
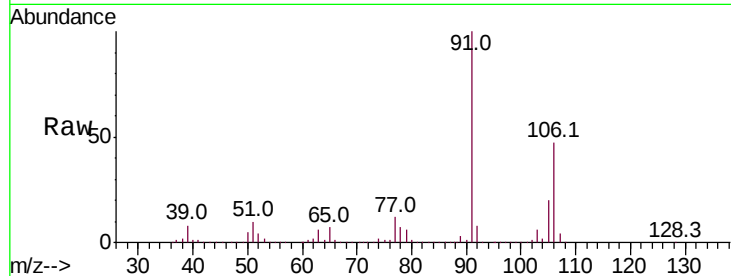
#69
o-Xylene
Concen: 57.820 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampled :
FL-0598

Tot Ion:106 Resp: 263306
Ion Ratio Lower Upper
106 100
91 211.7 102.7 308.1

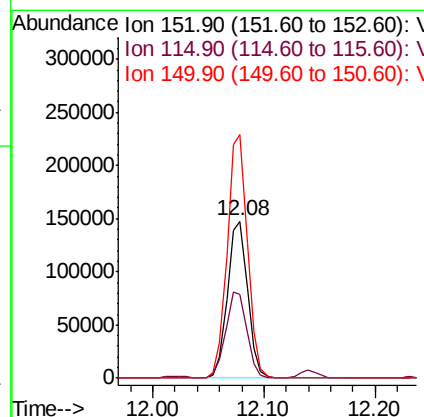
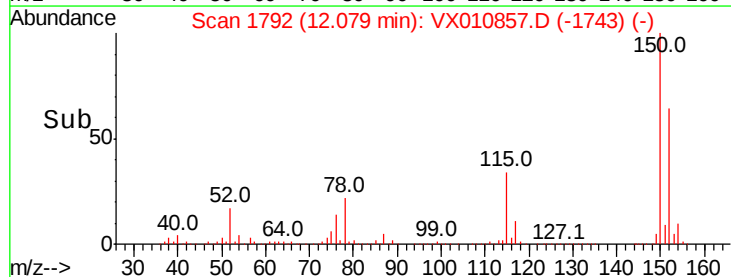
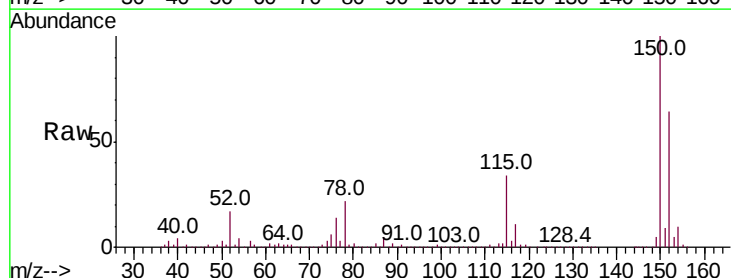
Manual Integrations
APPROVED

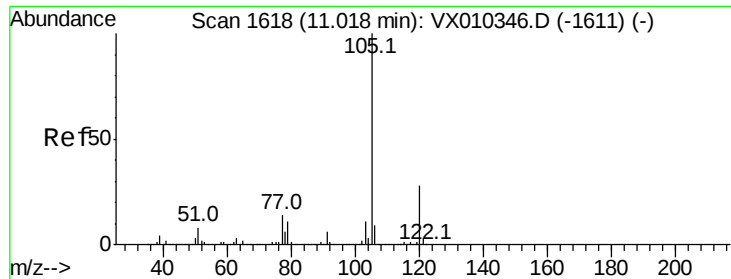
MMDadoda
7/15/2019 10:59:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion:152 Resp: 185142
Ion Ratio Lower Upper
152 100
115 57.0 38.6 115.7
150 155.4 0.0 347.4





#73

Isopropylbenzene

Concen: 16.090 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

FL-0598

Tot Ion:105 Resp: 201939

Ion Ratio Lower Upper

105 100

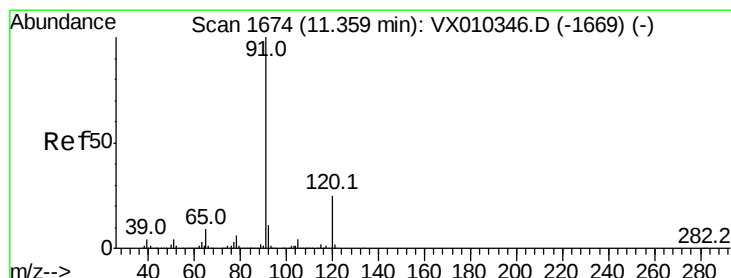
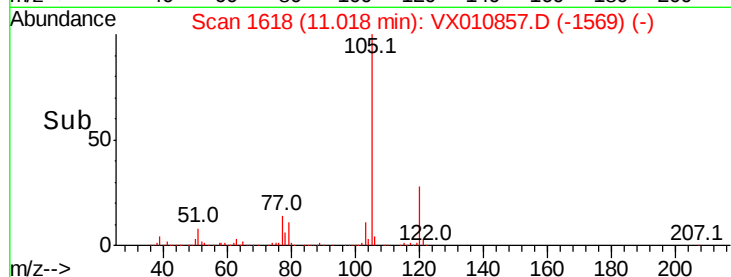
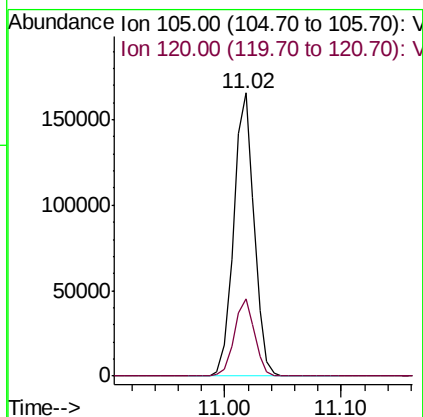
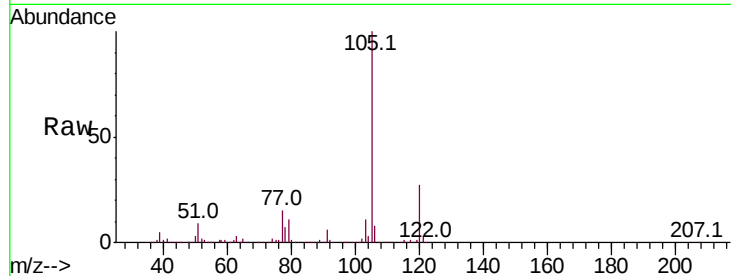
120 27.2 14.1 42.4

Manual Integrations

APPROVED

MMDadoda

7/15/2019 10:59:35 AM



#78

n-propylbenzene

Concen: 8.648 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010857.D

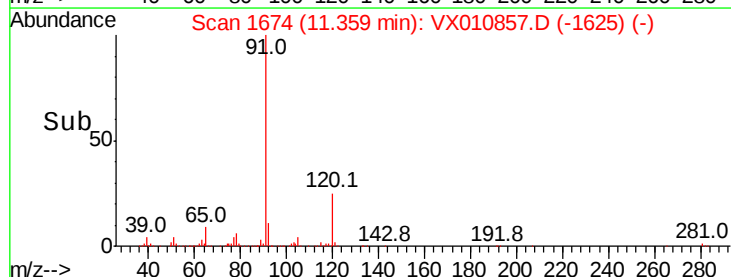
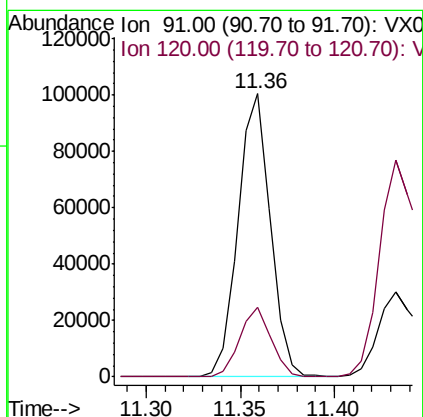
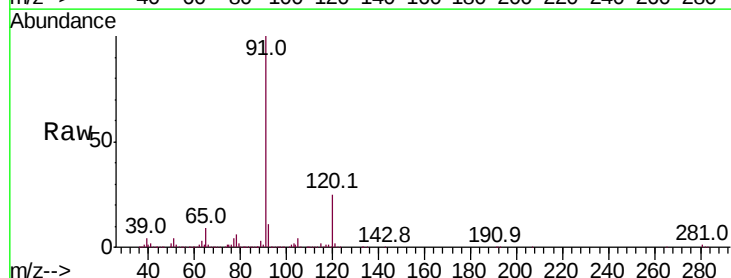
Acq: 12 Jul 2019 23:49

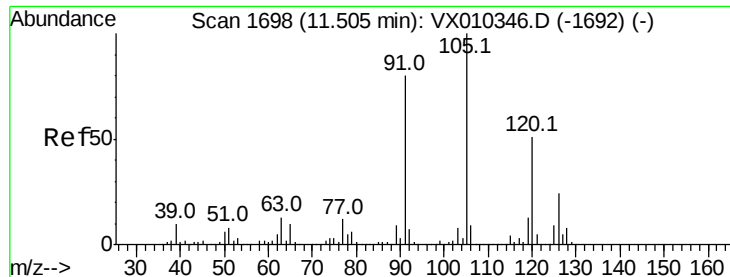
Tgt Ion: 91 Resp: 119286

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.4





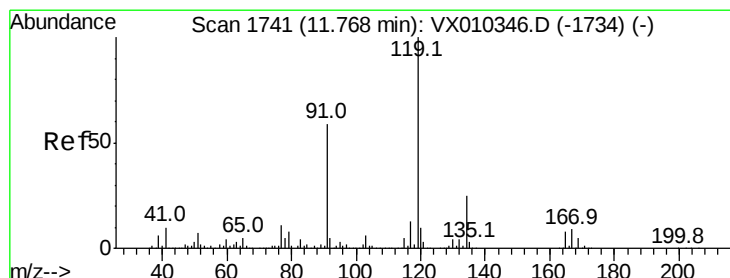
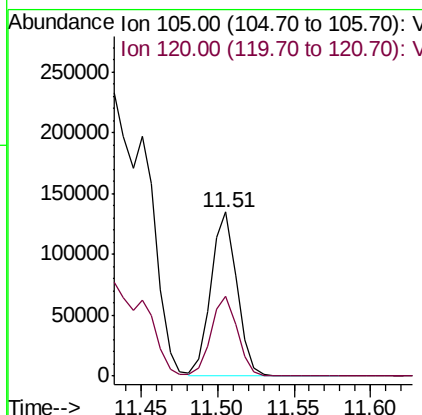
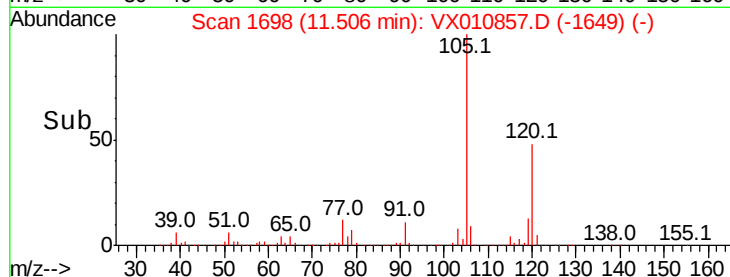
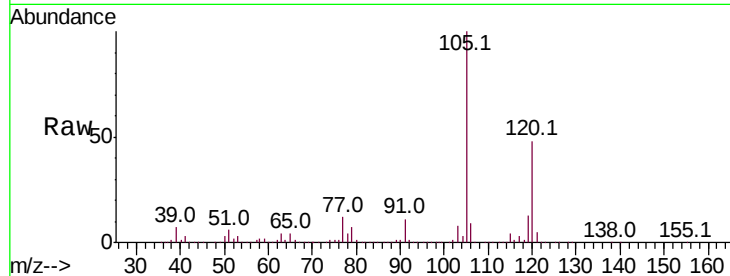
#80
1,3,5-Trimethylbenzene
Concen: 15.397 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampled :
FL-0598

Tot Ion:105 Resp: 159299
Ion Ratio Lower Upper
105 100
120 49.1 25.2 75.6

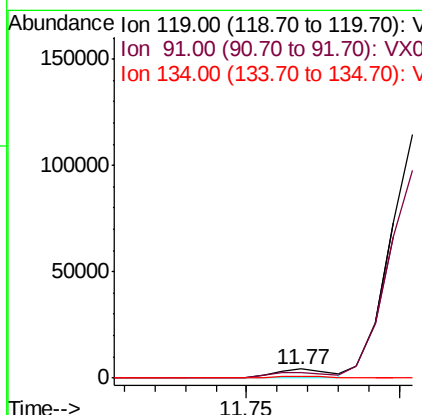
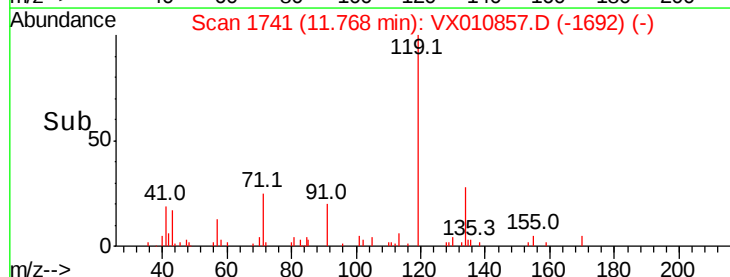
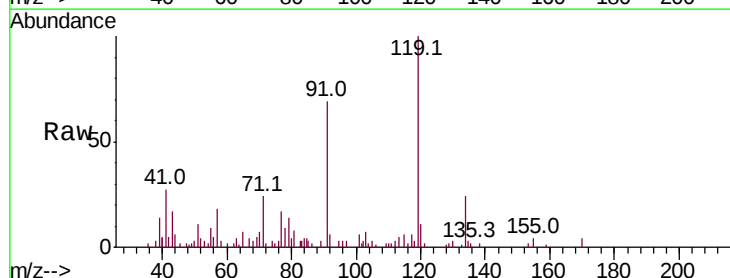
Manual Integrations
APPROVED

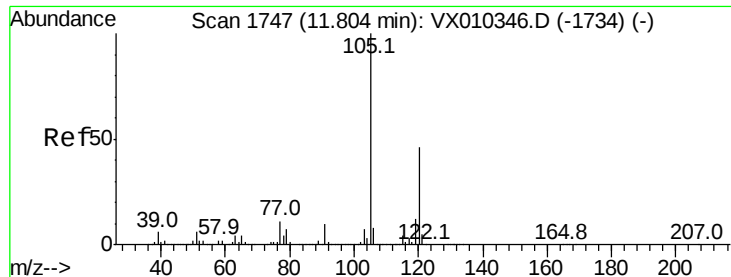
MMDadoda
7/15/2019 10:59:35 AM



#83
tert-Butylbenzene
Concen: 0.523 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion:119 Resp: 5429
Ion Ratio Lower Upper
119 100
91 65.8 27.6 82.7
134 23.7 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 101.282 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

FL-0598

Tot Ion:105 Resp: 1052797

Ion Ratio Lower Upper

105 100

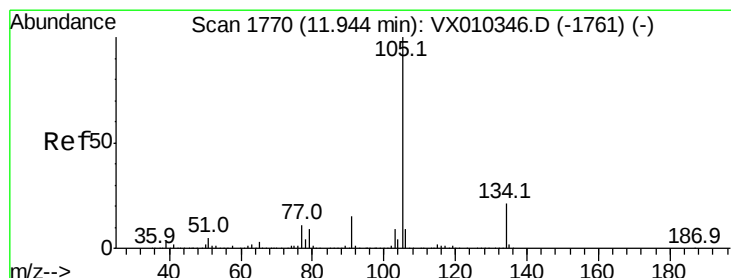
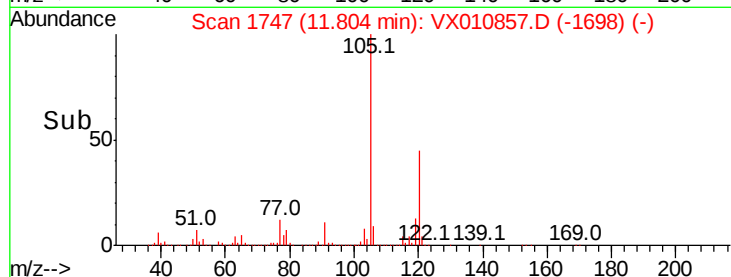
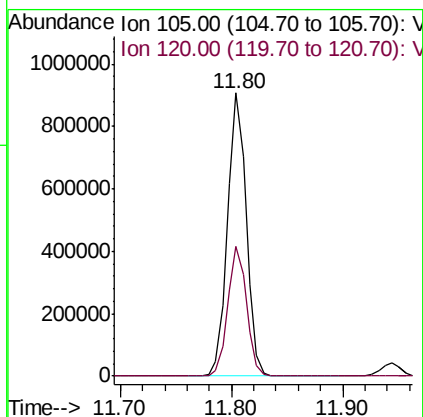
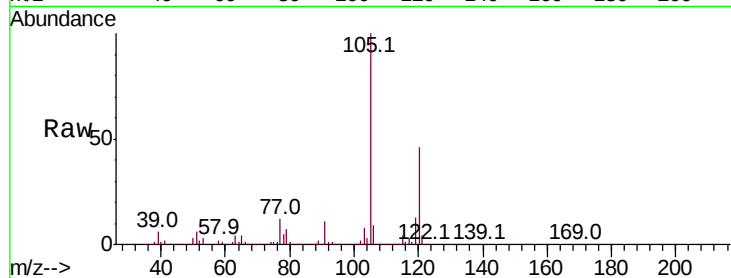
120 45.7 23.1 69.2

Manual Integrations

APPROVED

MMDadoda

7/15/2019 10:59:35 AM



#85

sec-Butylbenzene

Concen: 4.429 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010857.D

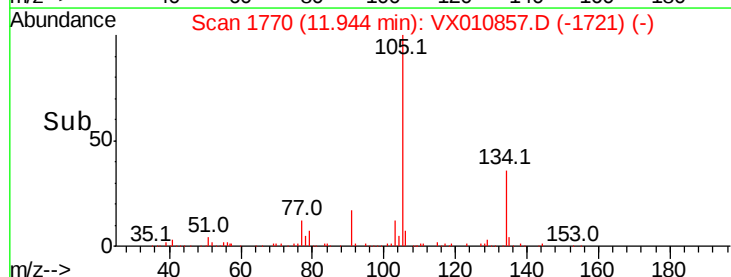
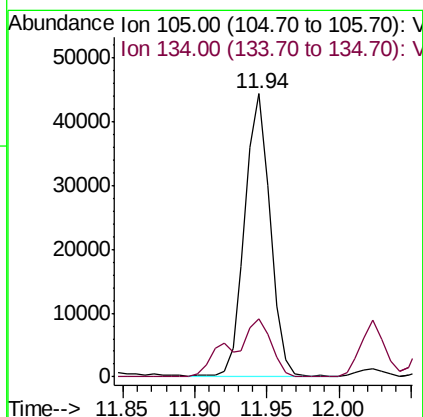
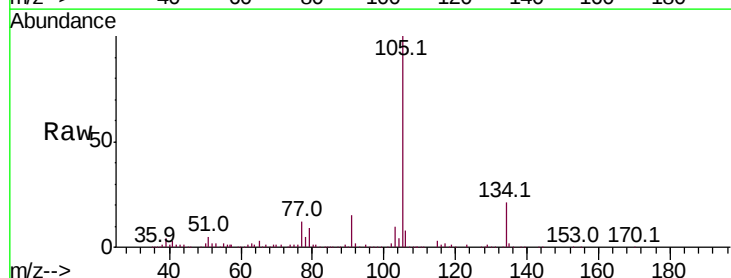
Acq: 12 Jul 2019 23:49

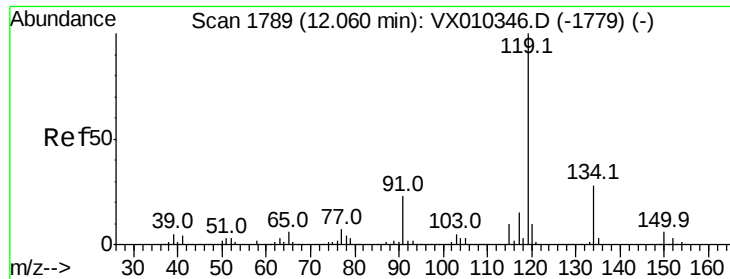
Tgt Ion:105 Resp: 54000

Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9





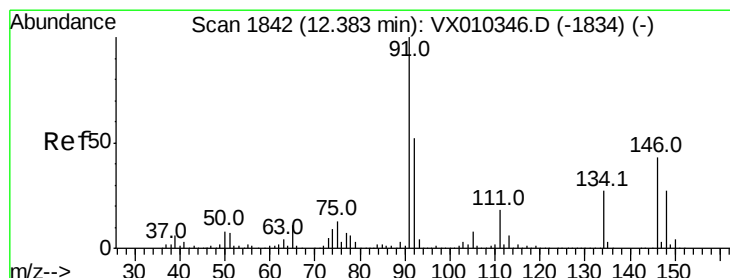
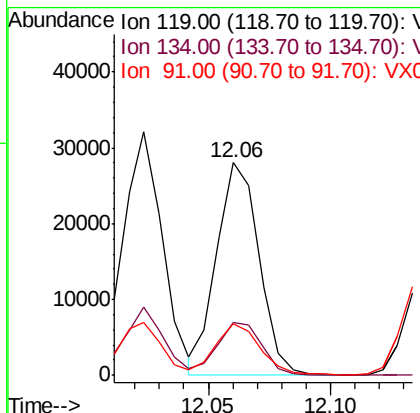
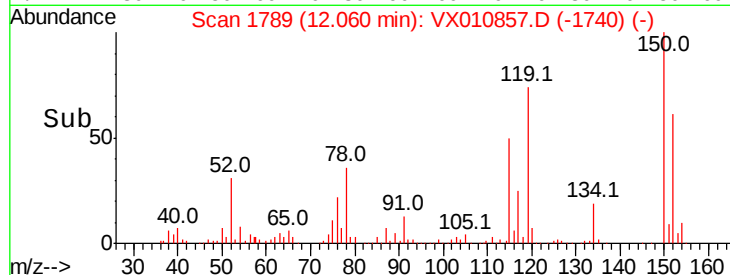
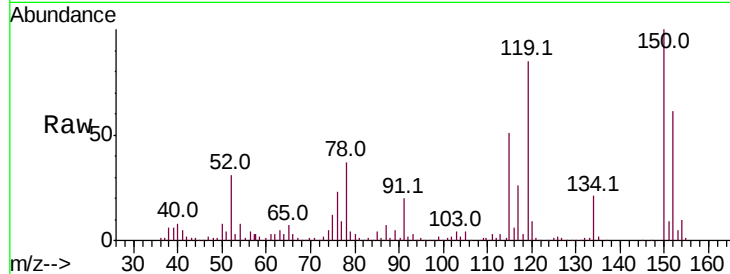
#86
p-Isopropyltoluene
Concen: 2.978 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampled :
FL-0598

Tot Ion	Ratio	Resp	Lower	Upper
119	100	33583		
134	26.5		13.7	41.1
91	24.8		11.3	33.8

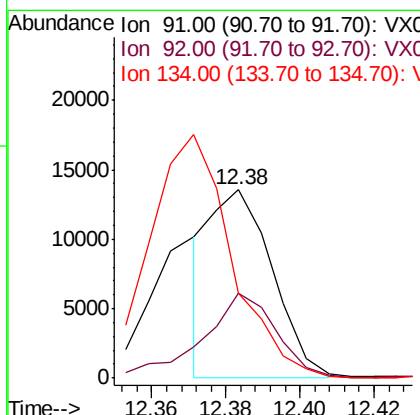
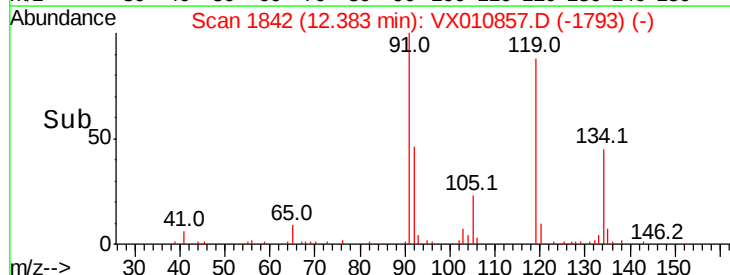
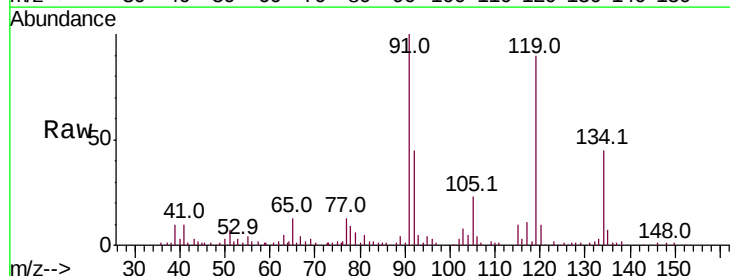
Manual Integrations
APPROVED

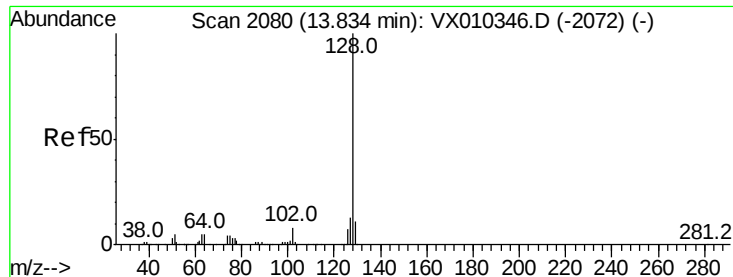
MMDadoda
7/15/2019 10:59:35 AM



#89
n-Butylbenzene
Concen: 1.652 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	15834		
92	54.5		26.2	78.5
134	170.1		14.1	42.4#





#95
Naphthalene
Concen: 46.355 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2019 10:59:35 AM

