

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX011011.D
 Acq On : 19 Jul 2019 18:35
 Operator : JC/SP
 Sample : K3884-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0605DL

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:23:51 PM

Quant Time: Jul 20 02:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173396	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	120002	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	5.49	113	105092	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	8.71	98	419683	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	162597	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	133815	42.139	ug/l	98
39) Methylcyclohexane	7.46	83	67917	18.466	ug/l	99
40) Benzene	6.15	78	9895	1.139	ug/l	98
52) Toluene	8.78	92	20969	3.674	ug/l	98
67) Ethyl Benzene	10.25	91	495512	42.821	ug/l	98
68) m/p-Xylenes	10.36	106	561836	126.574	ug/l	99
69) o-Xylene	10.69	106	281959	65.087	ug/l	100
73) Isopropylbenzene	11.02	105	33355	2.847	ug/l	98
78) n-propylbenzene	11.36	91	37370	2.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	81620	8.337	ug/l	96
83) tert-Butylbenzene	11.77	119	2924	0.304	ug/l	84
84) 1,2,4-Trimethylbenzene	11.80	105	317263	32.152	ug/l	100
85) sec-Butylbenzene	11.94	105	3052m	0.271	ug/l	
86) p-Isopropyltoluene	12.06	119	4333	0.416	ug/l	84
89) n-Butylbenzene	12.38	91	6277	0.704	ug/l #	22
95) Naphthalene	13.83	128	174850	15.719	ug/l	100

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

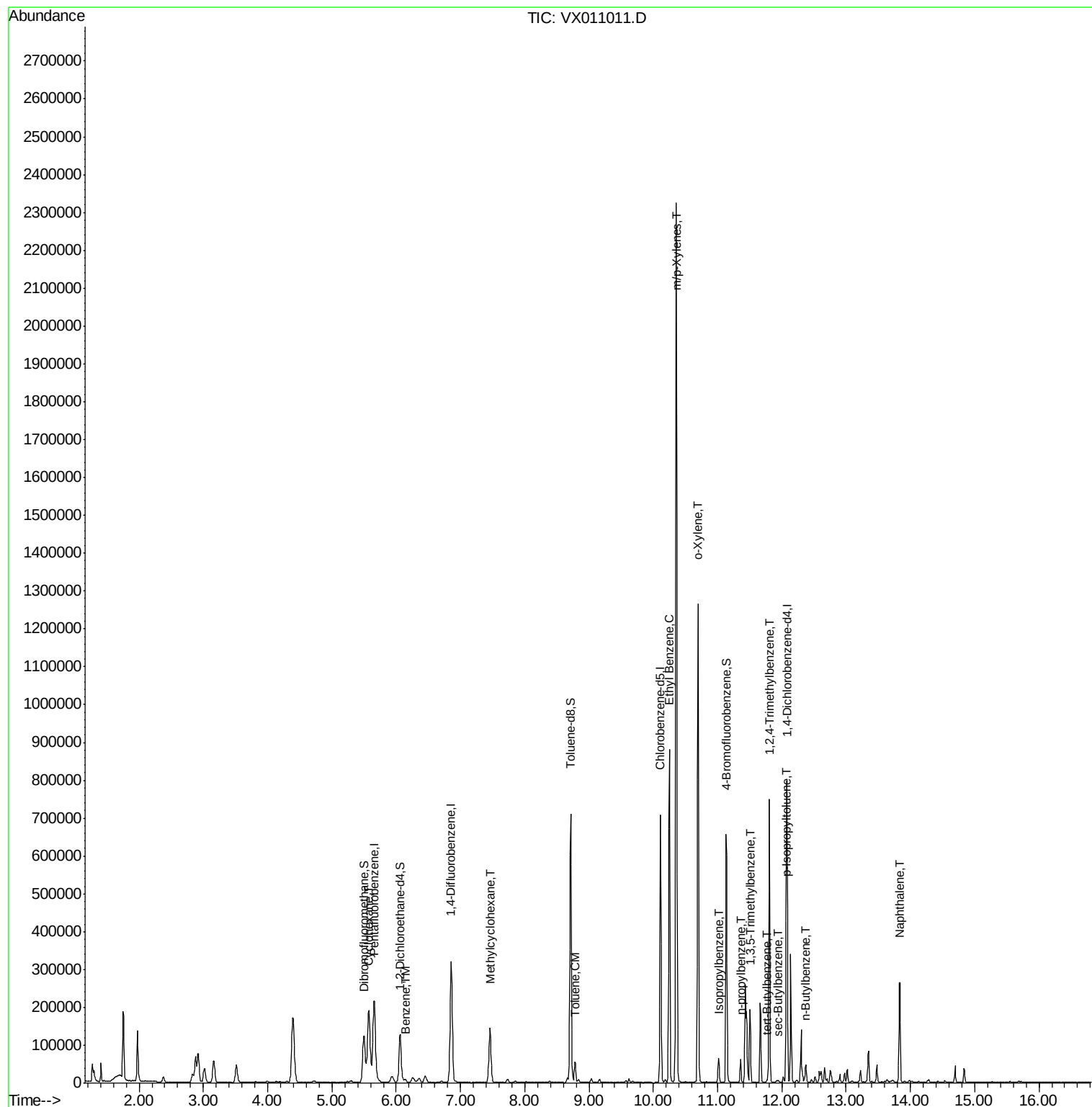
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011011.D
Acq On : 19 Jul 2019 18:35
Operator : JC/SP
Sample : K3884-01DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

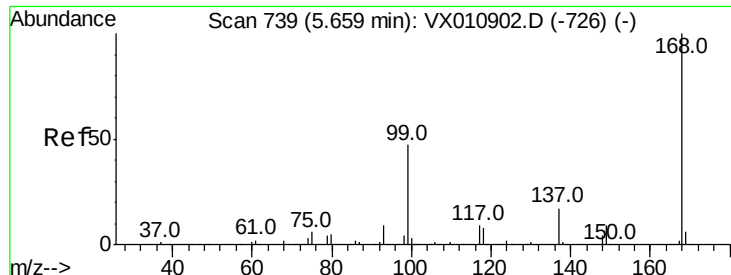
Instrument :
MSVOA_X
ClientSampleId :
FL-0605DL

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:23:51 PM

Quant Time: Jul 20 02:27:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





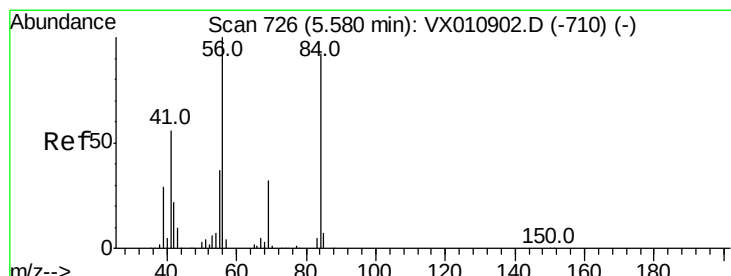
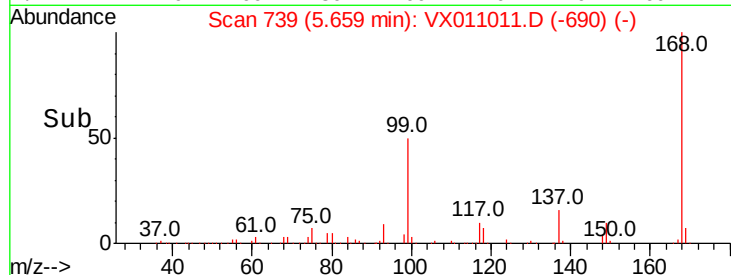
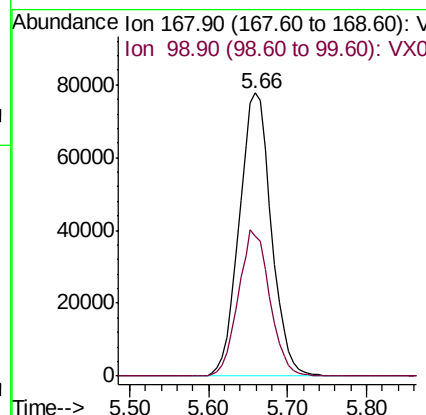
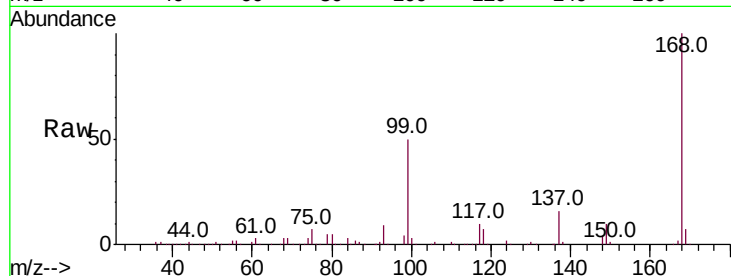
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
FL-0605DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	219847		
99	49.7	37.6	56.4	

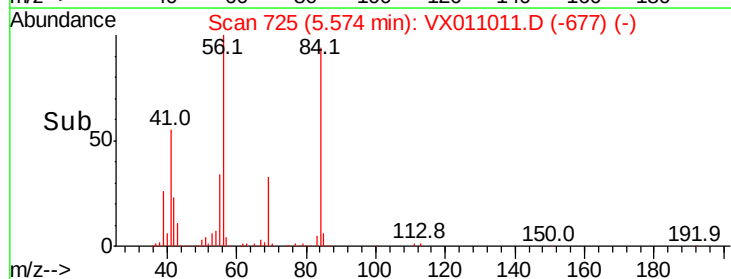
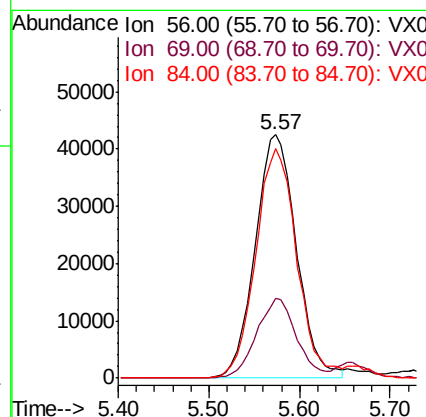
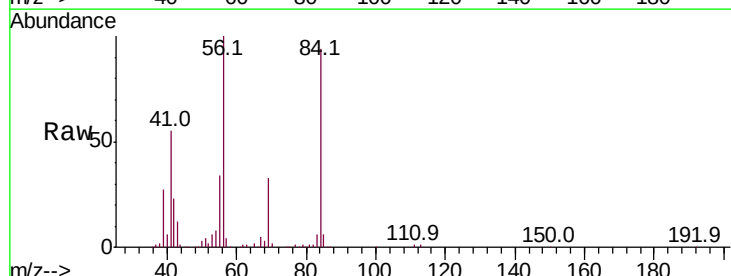
Manual Integrations
APPROVED

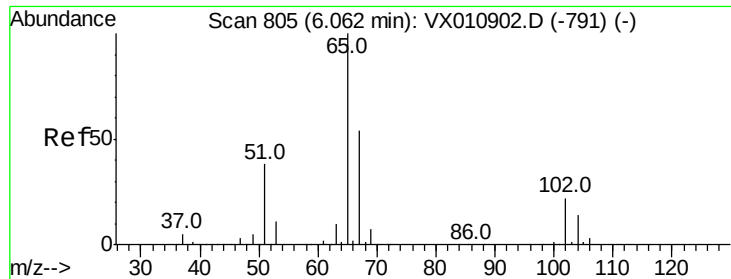
MMDadoda
7/22/2019 5:23:51 PM



#31
Cyclohexane
Concen: 42.139 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	133815		
69	32.4	25.8	38.8	
84	94.3	73.8	110.6	





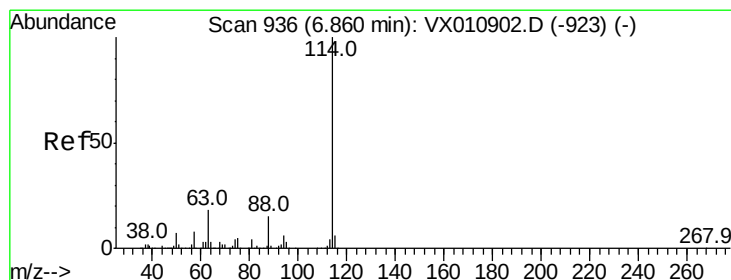
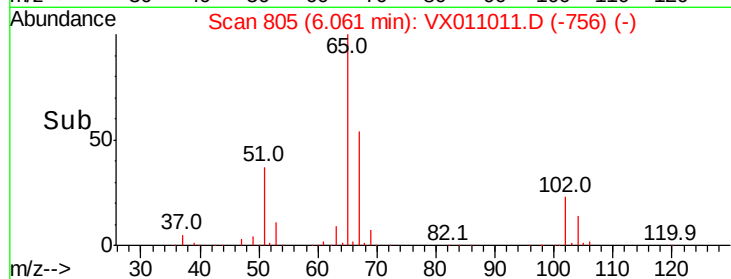
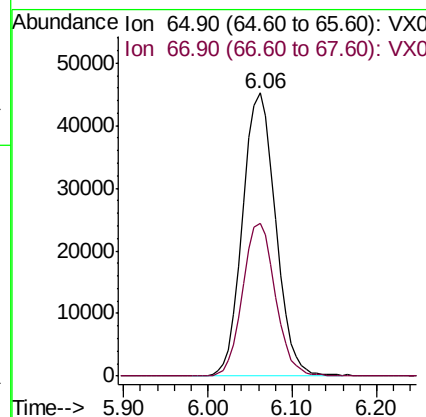
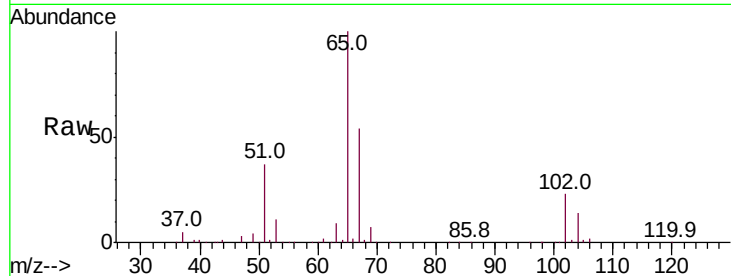
#33
 1,2-Dichloroethane-d4
 Concen: 51.308 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011011.D
 Acq: 19 Jul 2019 18:35

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0605DL

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.8

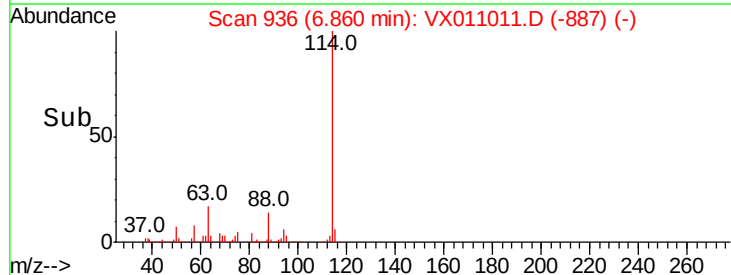
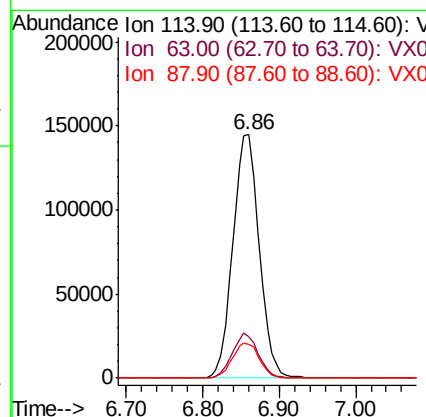
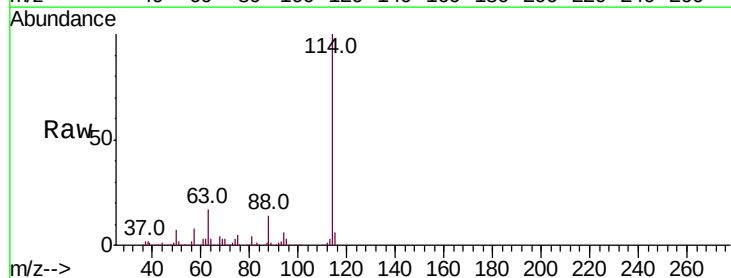
Manual Integrations
 APPROVED

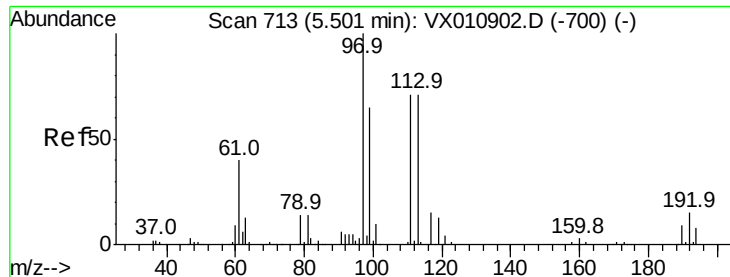
MMDadoda
 7/22/2019 5:23:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011011.D
 Acq: 19 Jul 2019 18:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	35.6
88	14.1	0.0	29.8





#35

Dibromofluoromethane

Concen: 47.953 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011011.D

Acq: 19 Jul 2019 18:35

Instrument :

MSVOA_X

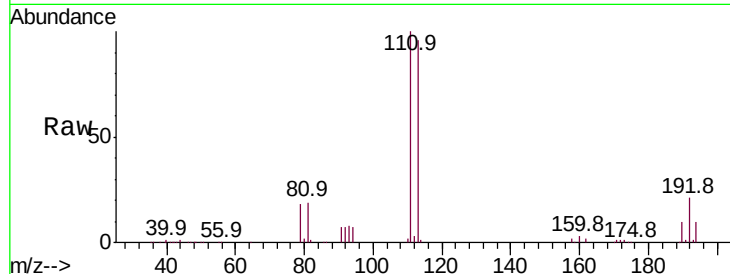
ClientSampled :

FL-0605DL

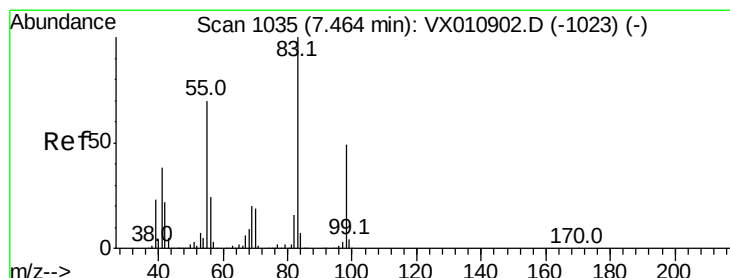
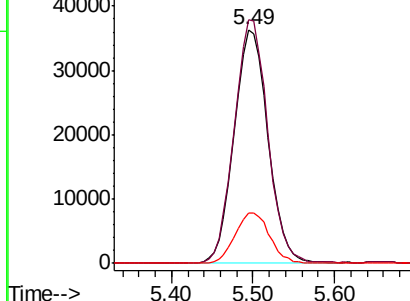
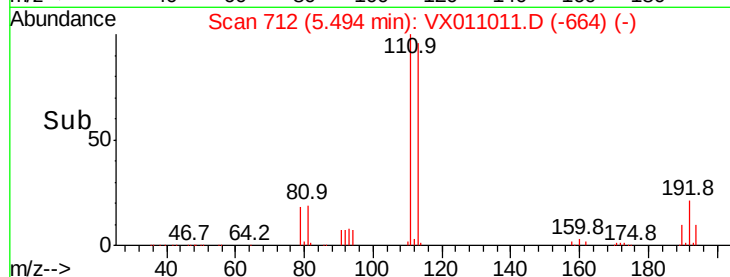
Tot Ion:	113	Resp:	105092
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.3	123.5
192	22.0	17.4	26.2

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:23:51 PM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 18.466 ug/l

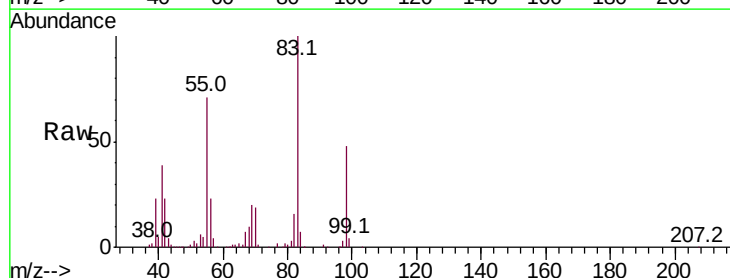
RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

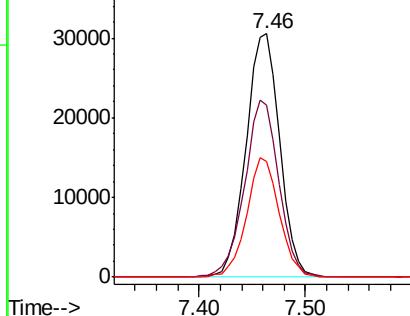
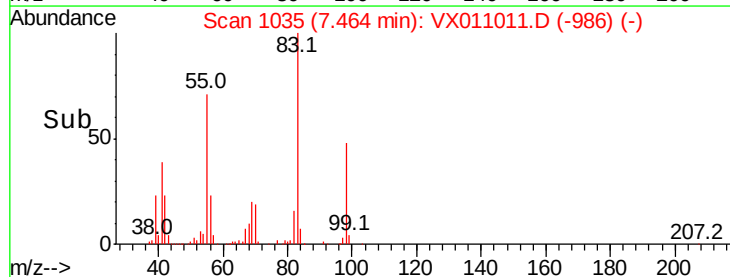
Lab File: VX011011.D

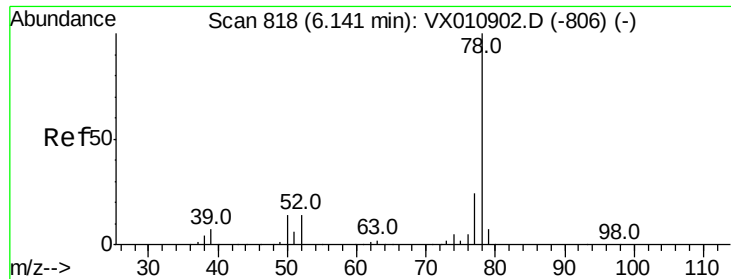
Acq: 19 Jul 2019 18:35

Tgt Ion:	83	Resp:	67917
Ion Ratio	Lower	Upper	
83	100		
55	70.7	56.2	84.4
98	47.5	39.0	58.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.139 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX011011.D

Acq: 19 Jul 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0605DL

Tot Ion: 78 Resp: 9895

Ion Ratio Lower Upper

78 100

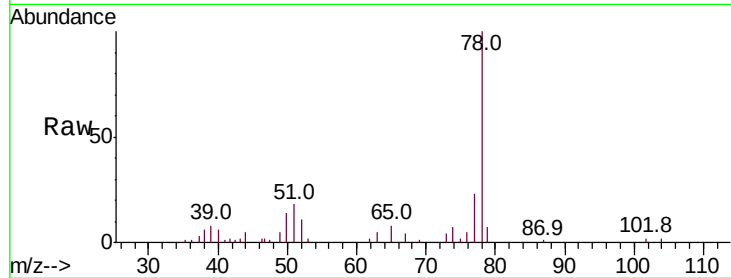
77 22.9 19.0 28.6

Manual Integrations

APPROVED

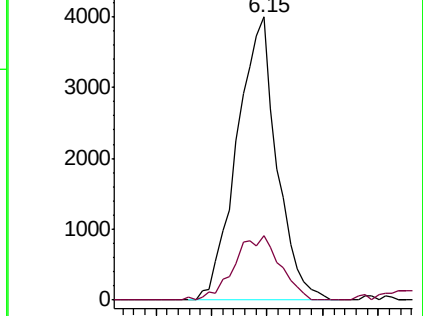
MMDadoda

7/22/2019 5:23:51 PM

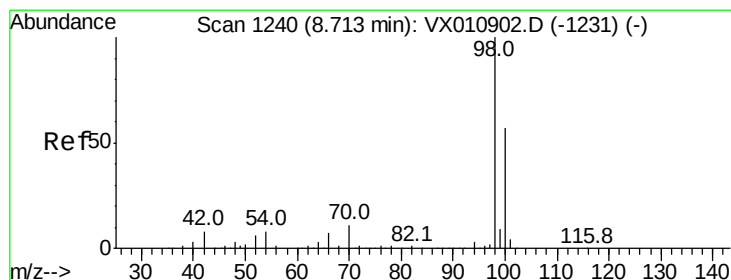
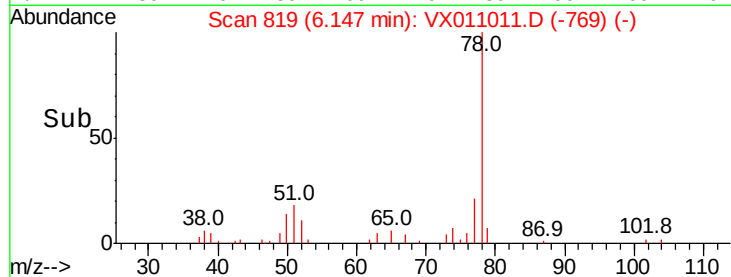


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.057 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011011.D

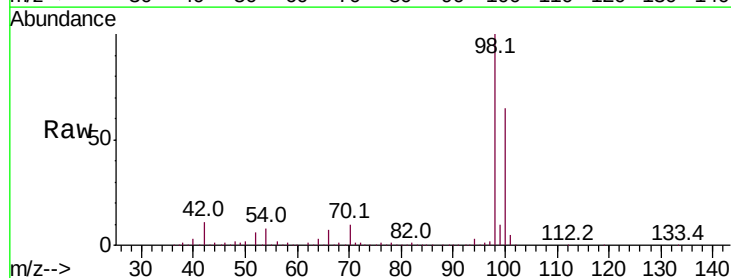
Acq: 19 Jul 2019 18:35

Tgt Ion: 98 Resp: 419683

Ion Ratio Lower Upper

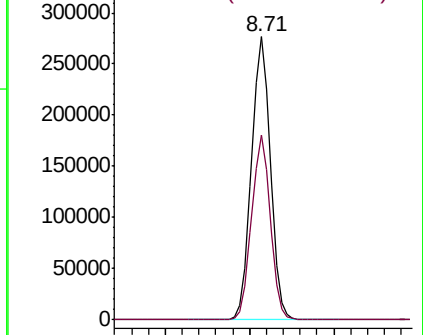
98 100

100 64.4 50.6 75.8

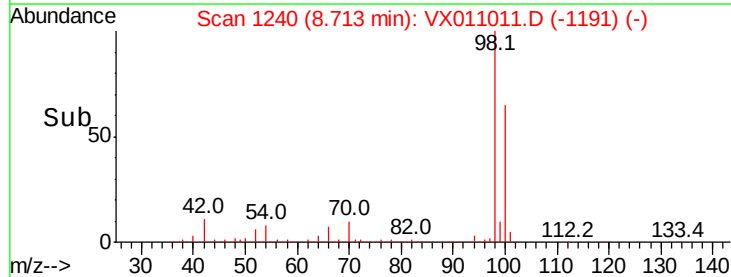


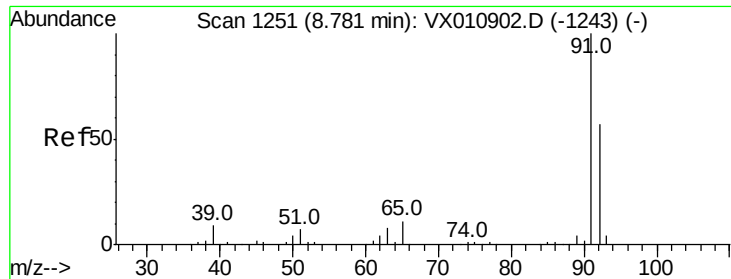
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





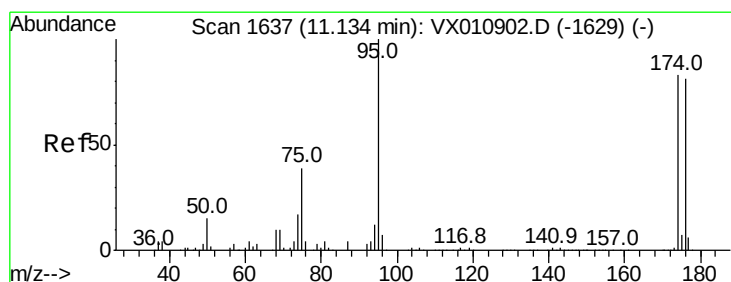
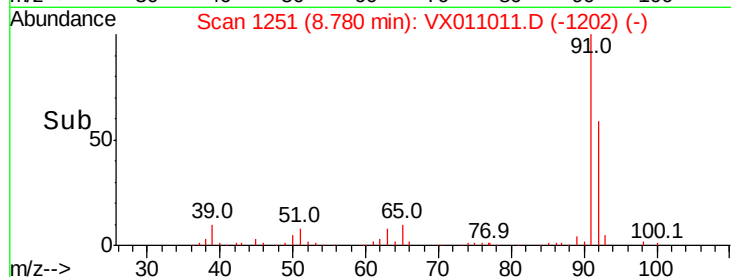
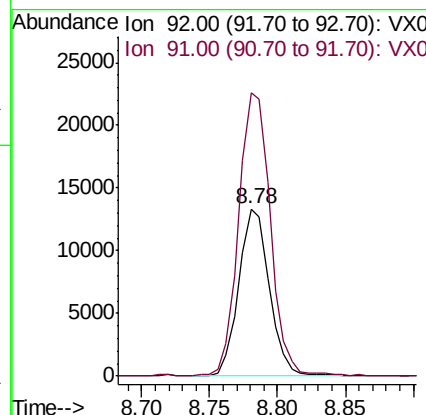
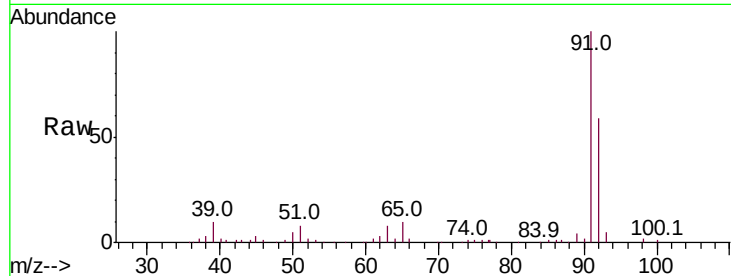
#52
Toluene
Concen: 3.674 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Instrument :
MSVOA_X
ClientSampled :
FL-0605DL

Tot Ion	92	Resp	20969
Ion Ratio	100	Lower	Upper
91	176.4	139.4	209.0

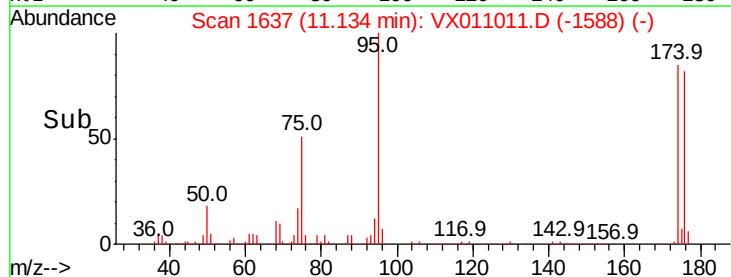
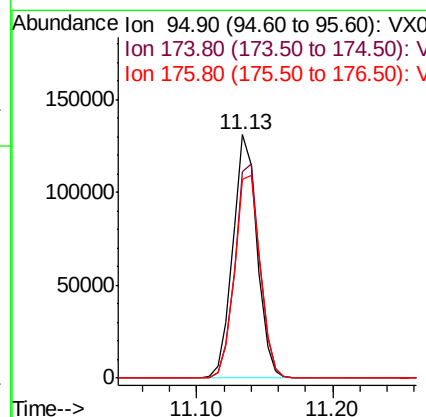
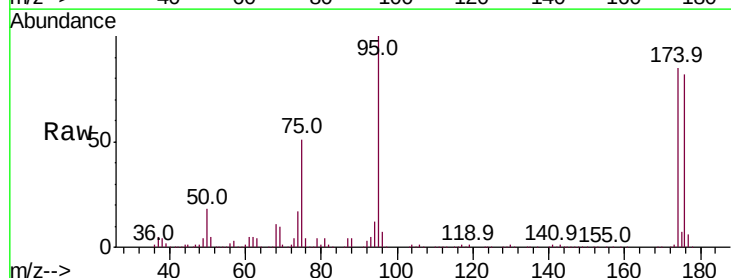
Manual Integrations
APPROVED

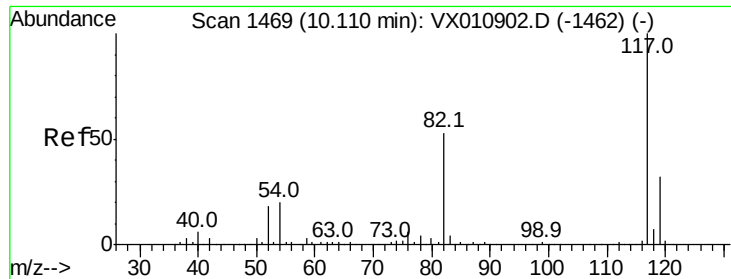
MMDadoda
7/22/2019 5:23:51 PM



#62
4-Bromofluorobenzene
Concen: 53.816 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Tgt Ion	95	Resp	162597
Ion Ratio	100	Lower	Upper
174	90.3	0.0	180.6
176	87.8	0.0	173.8





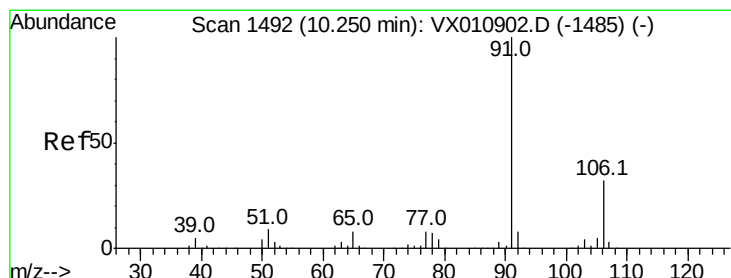
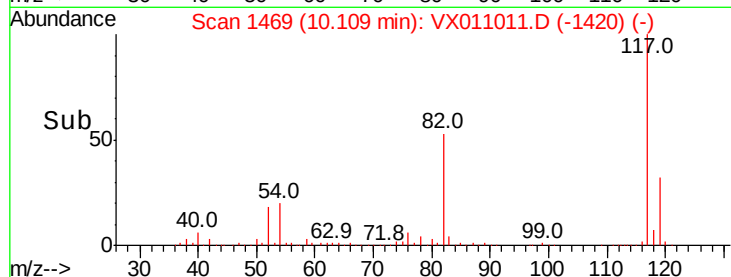
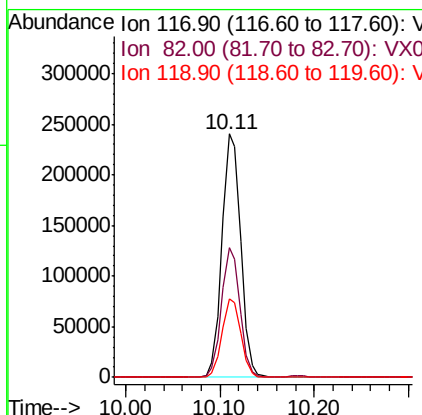
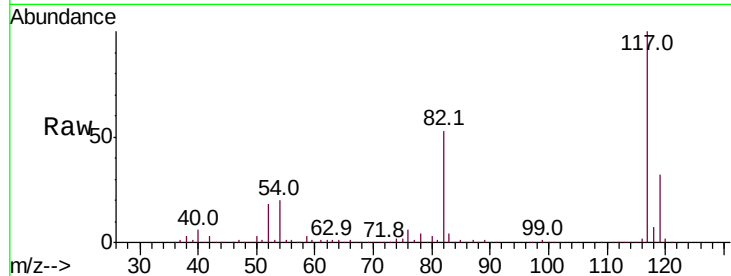
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
FL-0605DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	63.8
119	32.3	25.9	38.9

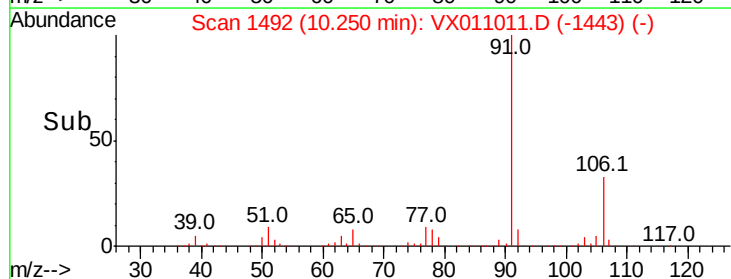
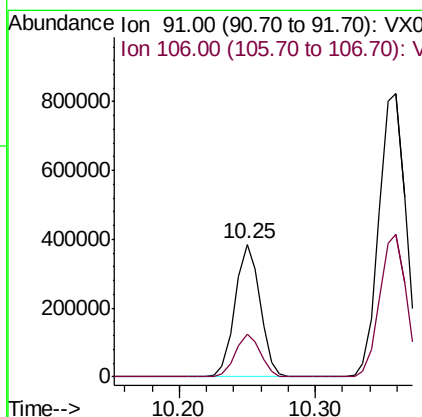
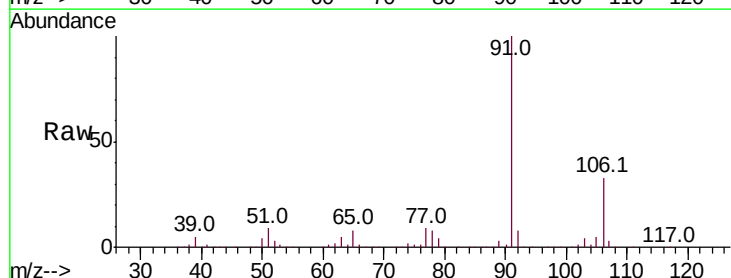
Manual Integrations
APPROVED

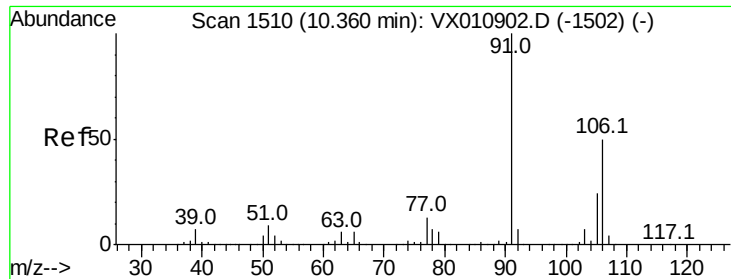
MMDadoda
7/22/2019 5:23:51 PM



#67
Ethyl Benzene
Concen: 42.821 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.4	38.2





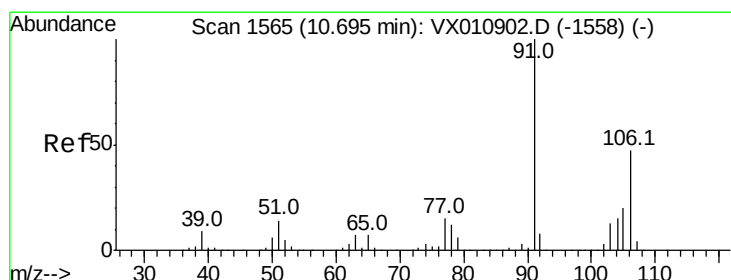
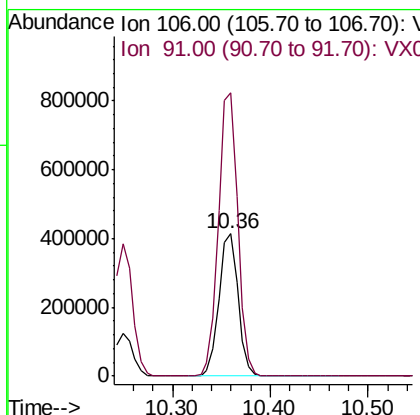
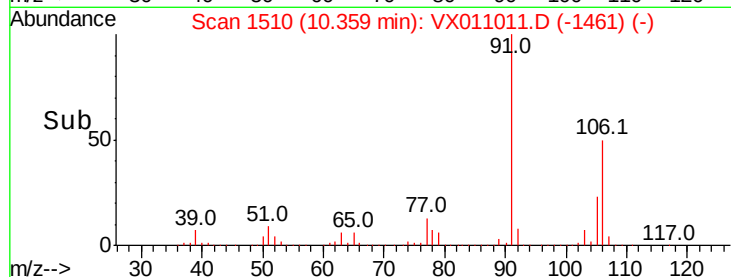
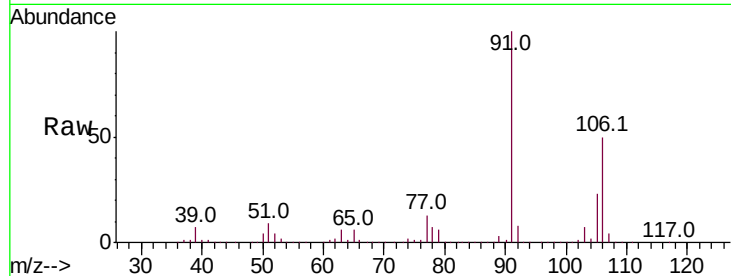
#68
m/p-Xylenes
Concen: 126.574 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Instrument :
MSVOA_X
ClientSampleID :
FL-0605DL

Tot Ion:106 Resp: 561836
Ion Ratio Lower Upper
106 100
91 202.0 160.1 240.1

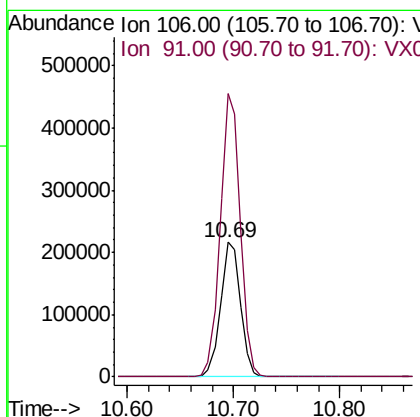
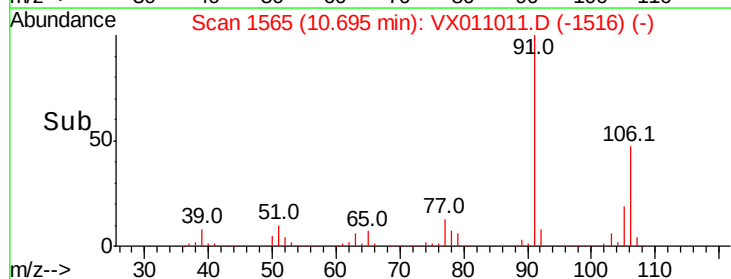
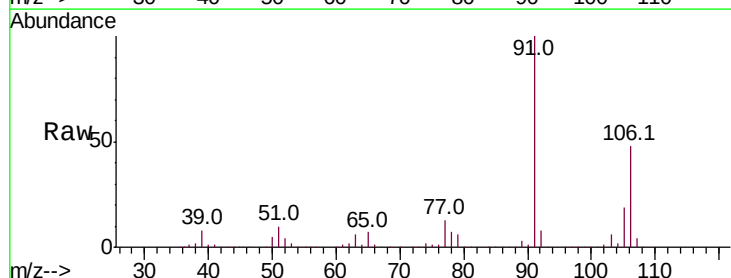
Manual Integrations
APPROVED

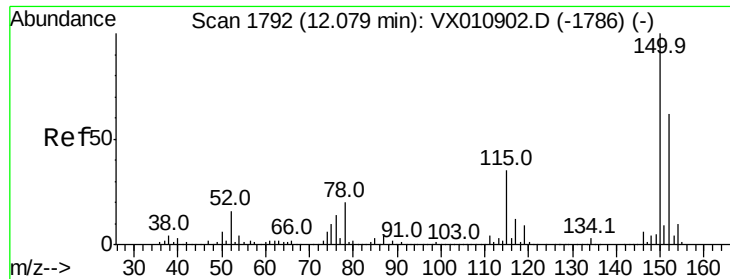
MMDadoda
7/22/2019 5:23:51 PM



#69
o-Xylene
Concen: 65.087 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Tgt Ion:106 Resp: 281959
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011011.D

Acq: 19 Jul 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0605DL

Tot Ion:152 Resp: 173396

Ion Ratio Lower Upper

152 100

115 55.3 39.7 119.1

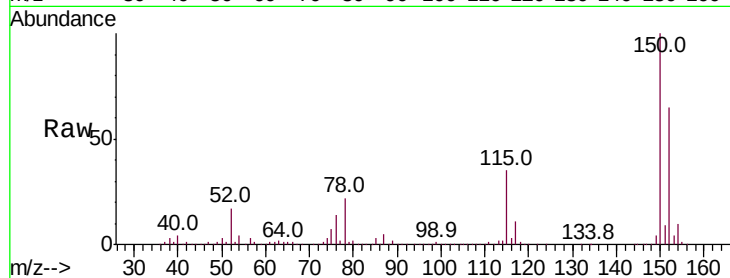
150 155.5 0.0 345.6

Manual Integrations

APPROVED

MMDadoda

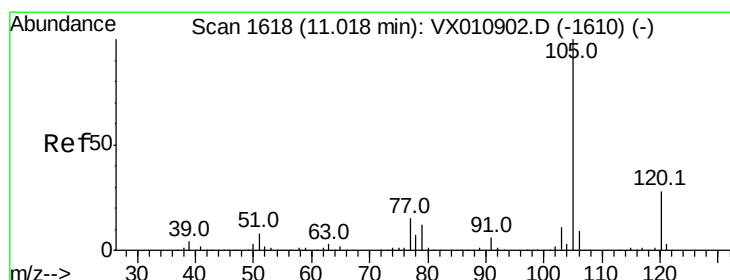
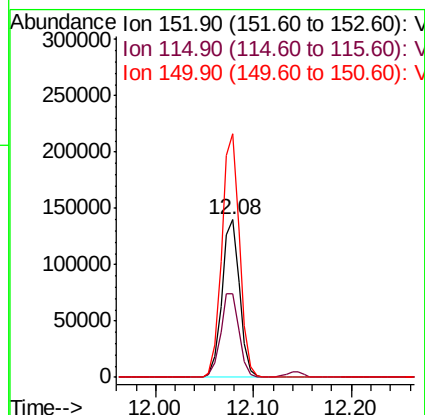
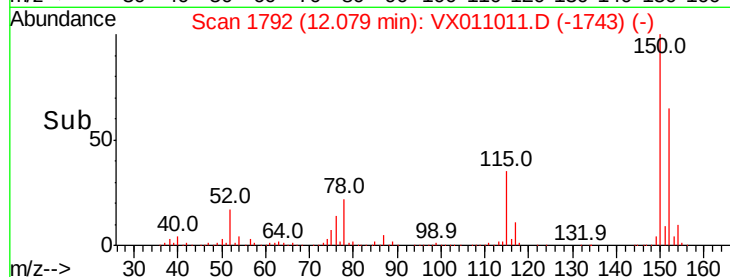
7/22/2019 5:23:51 PM



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: 2.847 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011011.D

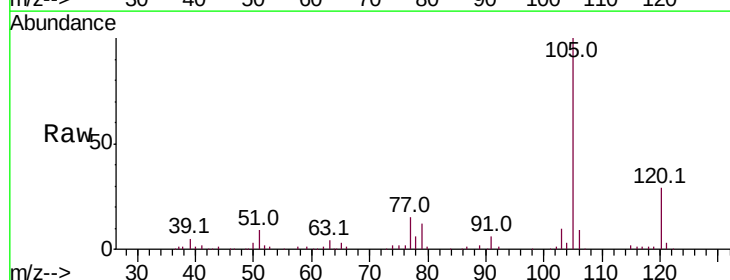
Acq: 19 Jul 2019 18:35

Tgt Ion:105 Resp: 33355

Ion Ratio Lower Upper

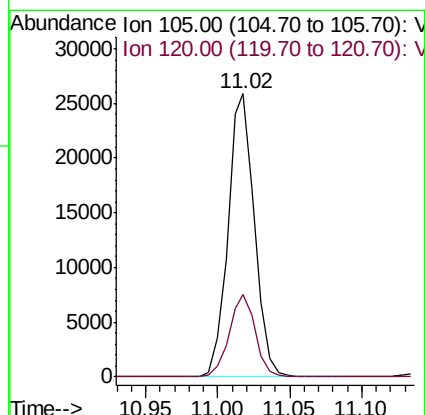
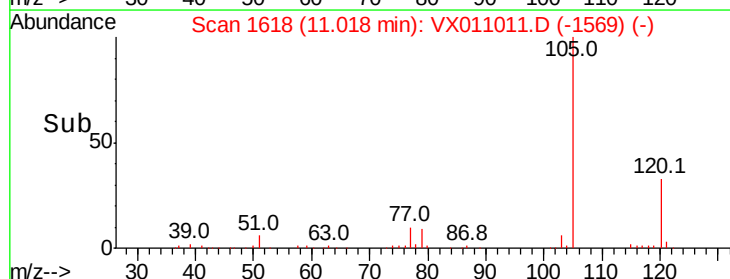
105 100

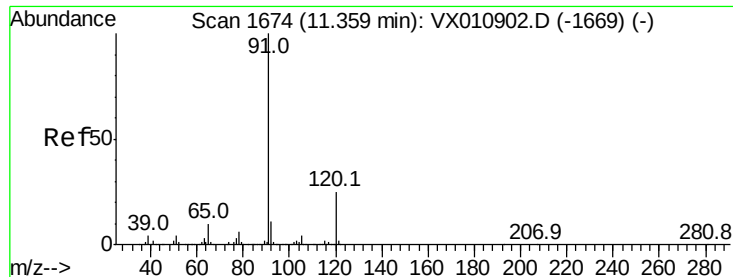
120 28.7 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.887 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011011.D

Acq: 19 Jul 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0605DL

Tot Ion: 91 Resp: 37370

Ion Ratio Lower Upper

91 100

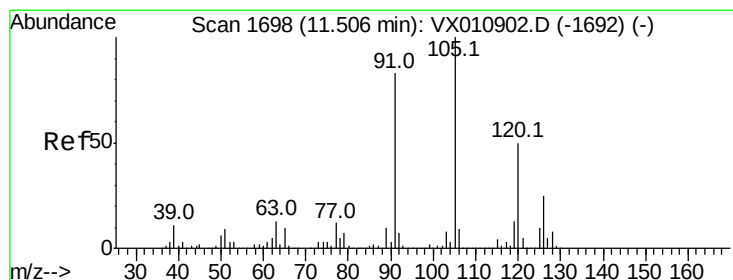
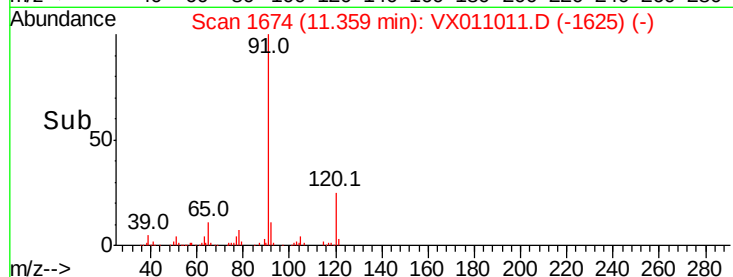
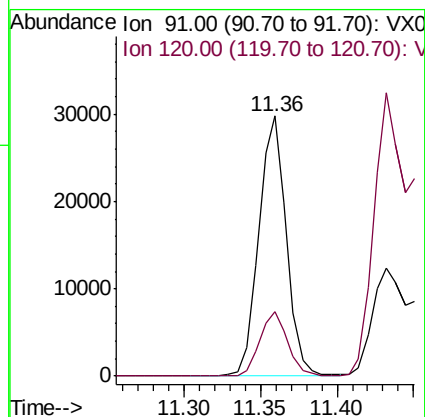
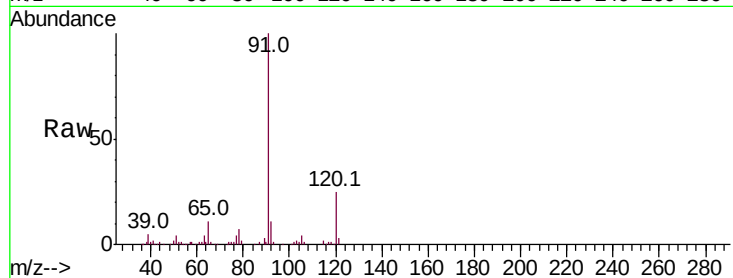
120 24.8 12.3 36.8

Manual Integrations

APPROVED

MMDadoda

7/22/2019 5:23:51 PM



#80

1,3,5-Trimethylbenzene

Concen: 8.337 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011011.D

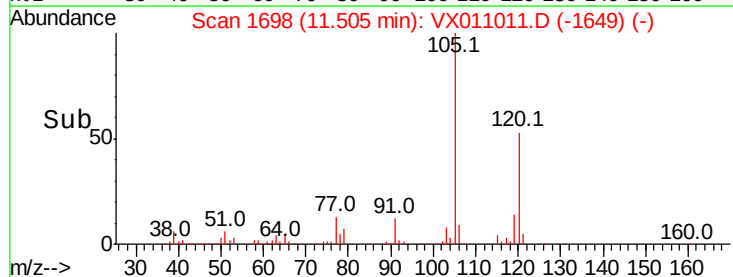
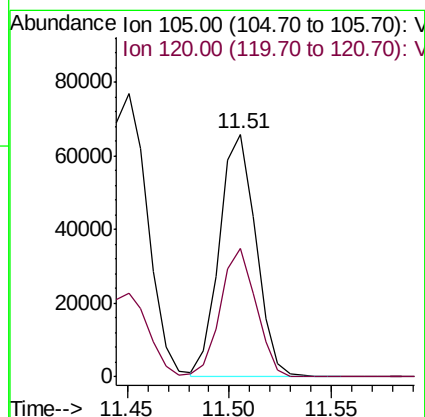
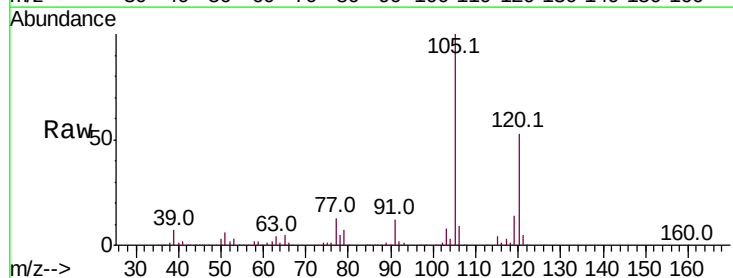
Acq: 19 Jul 2019 18:35

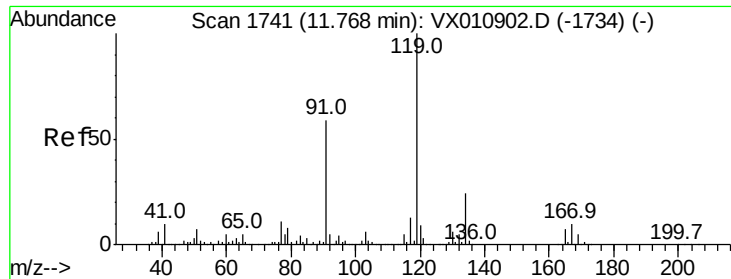
Tgt Ion: 105 Resp: 81620

Ion Ratio Lower Upper

105 100

120 51.8 24.6 73.8





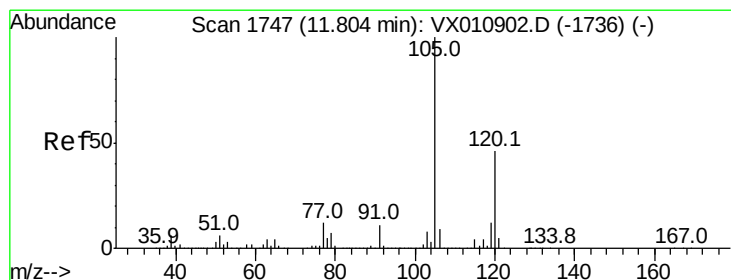
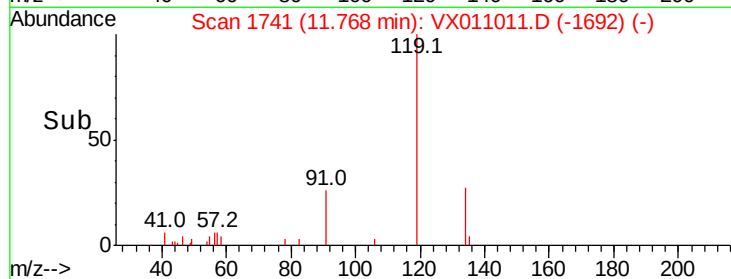
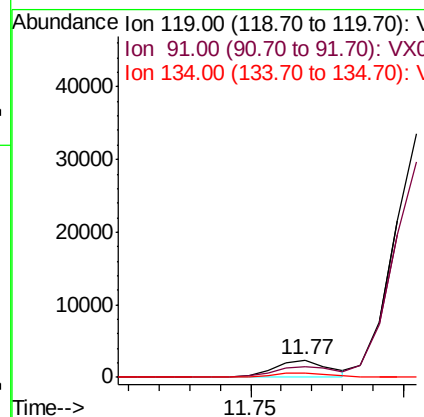
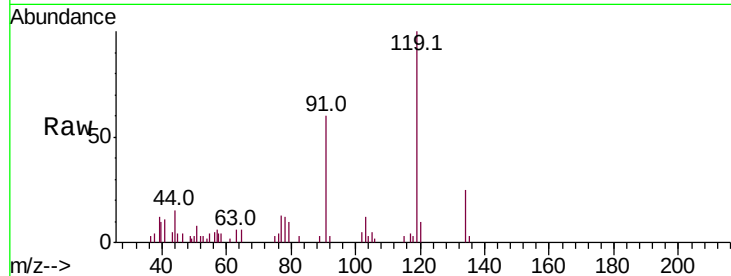
#83
tert-Butylbenzene
Concen: 0.304 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
FL-0605DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	28.6	85.8
134	28.0	11.6	34.8

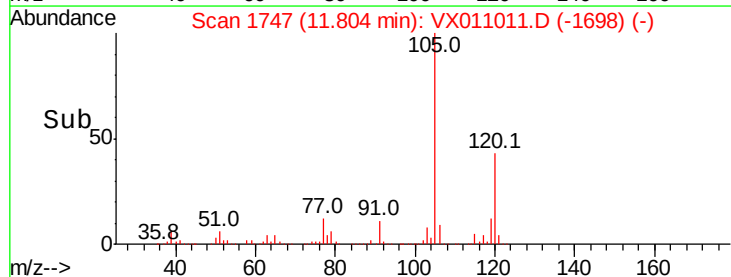
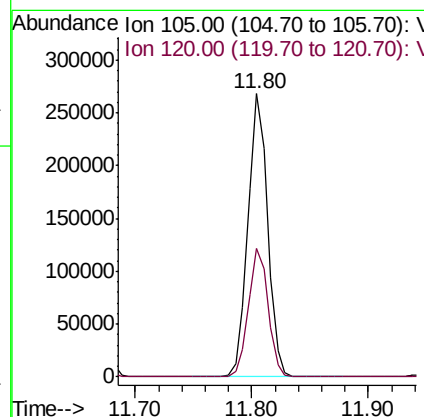
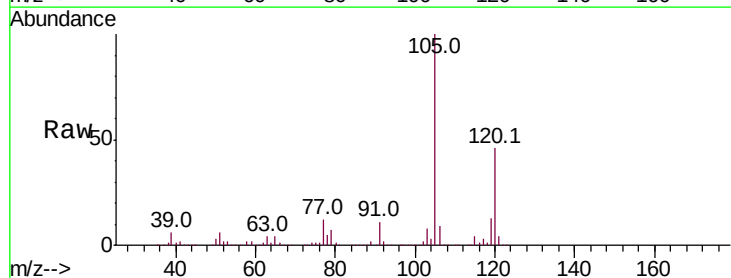
Manual Integrations
APPROVED

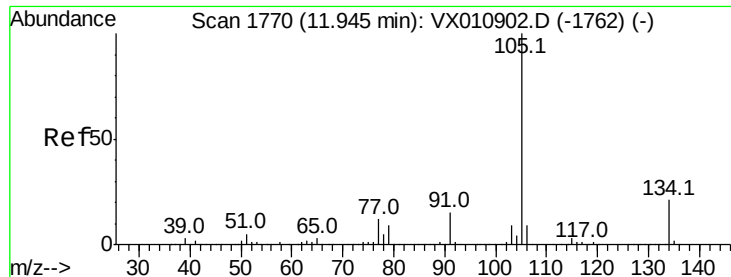
MMDadoda
7/22/2019 5:23:51 PM



#84
1,2,4-Trimethylbenzene
Concen: 32.152 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.5





#85

sec-Butylbenzene

Concen: 0.271 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011011.D

Acq: 19 Jul 2019 18:35

Instrument :

MSVOA_X

ClientSampled :

FL-0605DL

Tot Ion:105 Resp: 3052

Ion Ratio Lower Upper

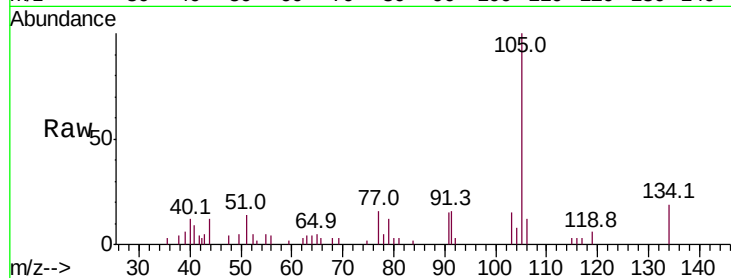
105 100

134 0.0 10.4 31.4#

Manual Integrations
APPROVED

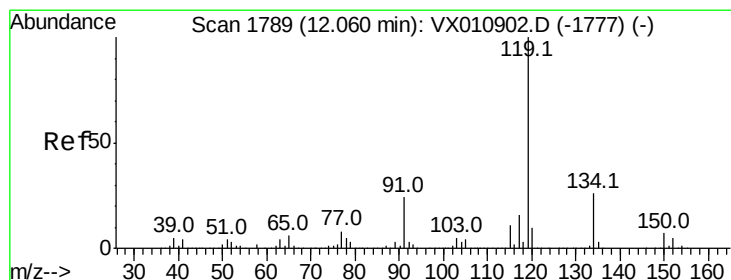
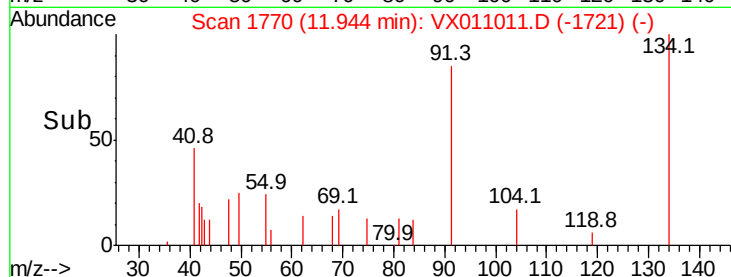
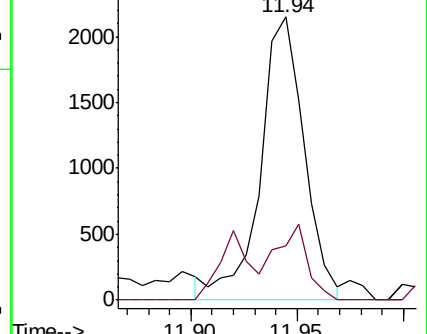
MMDadoda

7/22/2019 5:23:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.416 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011011.D

Acq: 19 Jul 2019 18:35

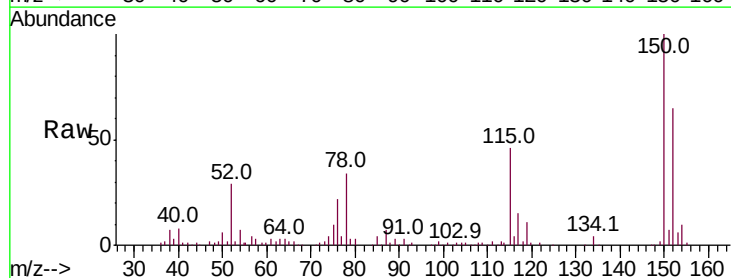
Tgt Ion:119 Resp: 4333

Ion Ratio Lower Upper

119 100

134 31.2 13.4 40.1

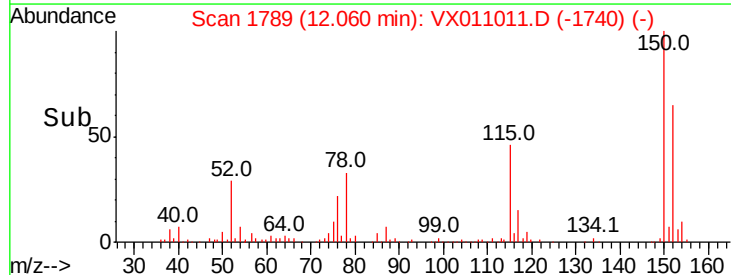
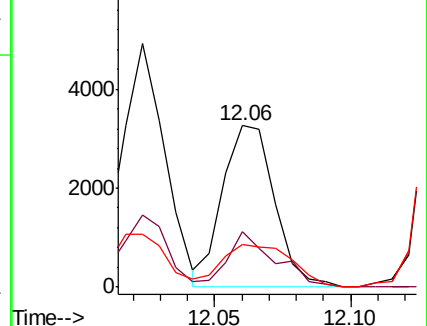
91 35.2 11.8 35.4

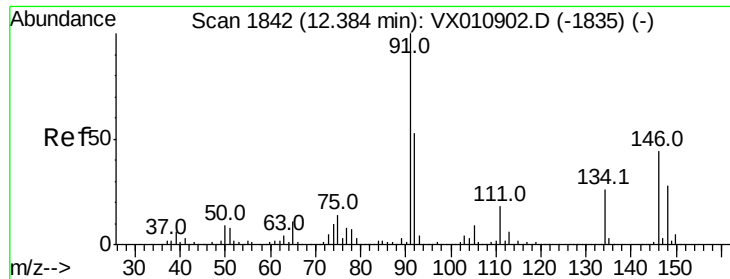


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





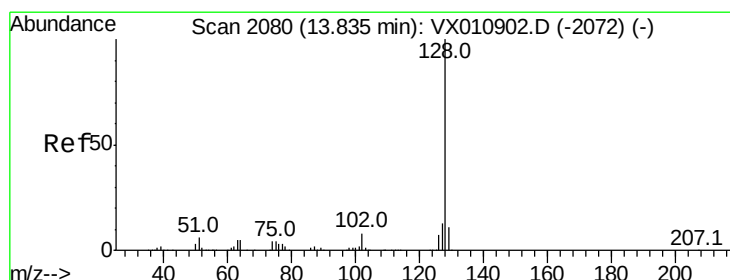
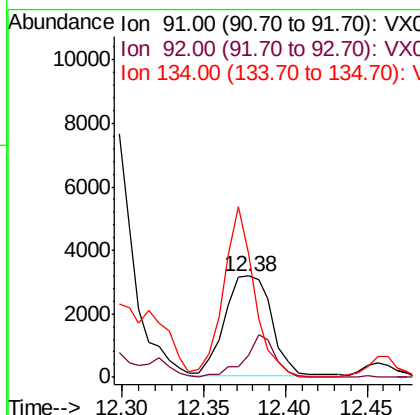
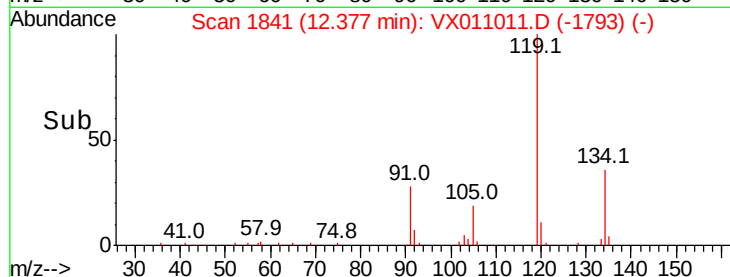
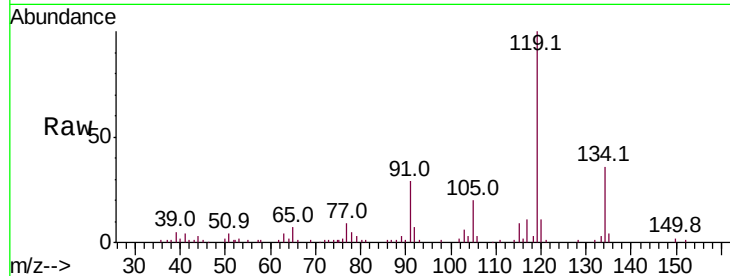
#89
n-Butylbenzene
Concen: 0.704 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Instrument :
MSVOA_X
ClientSampled :
FL-0605DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	28.4	26.2	78.5
134	112.7	13.8	41.3#

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:23:51 PM



#95
Naphthalene
Concen: 15.719 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011011.D
Acq: 19 Jul 2019 18:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.9	13.3

