

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009868.D
 Acq On : 23 May 2019 19:01
 Operator : JC/SP
 Sample : K2976-21 10X
 Misc : 6.62g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:02:17 AM

Quant Time: May 24 04:55:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	174498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	118784	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
35) Dibromofluoromethane	5.50	113	83807	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
50) Toluene-d8	8.71	98	365435	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.13	95	171197	66.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	132.06%	
Target Compounds						
73) Isopropylbenzene	11.02	105	12978	1.423	ug/l	99
78) n-propylbenzene	11.36	91	54788	5.262	ug/l	98
83) tert-Butylbenzene	11.77	119	96901	12.976	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	435225	56.484	ug/l	99
85) sec-Butylbenzene	11.94	105	627920	70.923	ug/l #	76
86) p-Isopropyltoluene	12.07	119	44362m	5.574	ug/l	
89) n-Butylbenzene	12.39	91	151766m	21.097	ug/l	

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

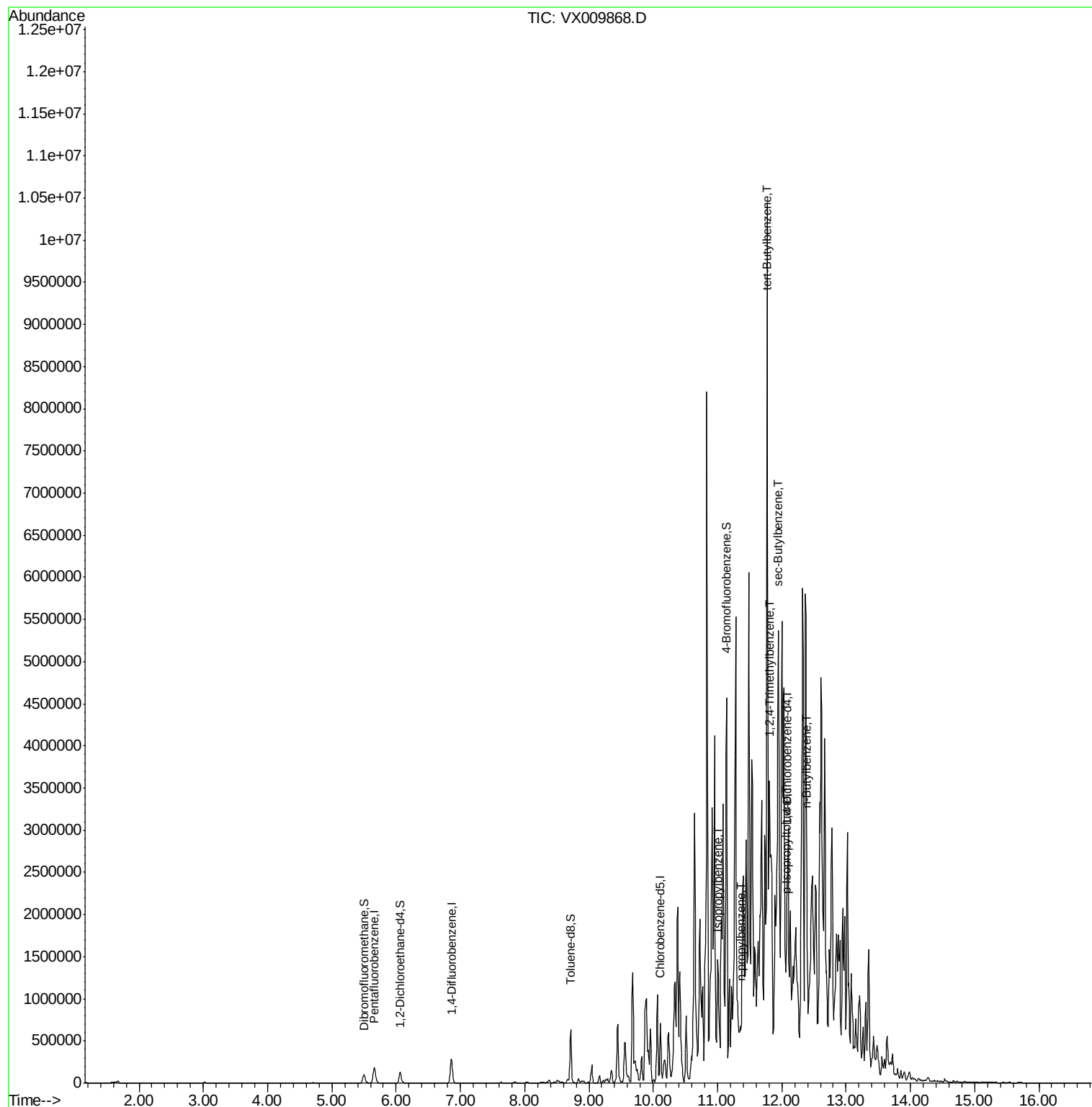
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009868.D
Acq On : 23 May 2019 19:01
Operator : JC/SP
Sample : K2976-21 10X
Misc : 6.62g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

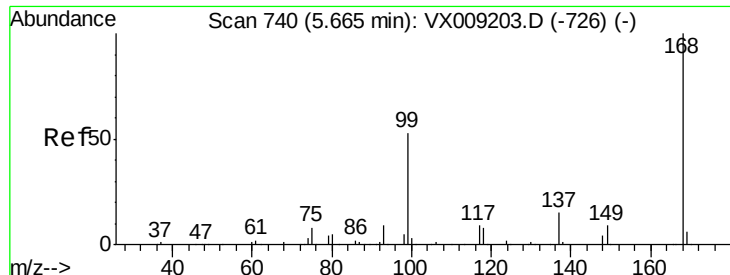
Instrument :
MSVOA_X
ClientSampleId :
EP1-SBR-4BR(14-17)

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:02:17 AM

Quant Time: May 24 04:55:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009868.D

Acq: 23 May 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

EP1-SBR-4BR(14-17)

Tot Ion:168 Resp: 174498

Ion Ratio Lower Upper

168 100

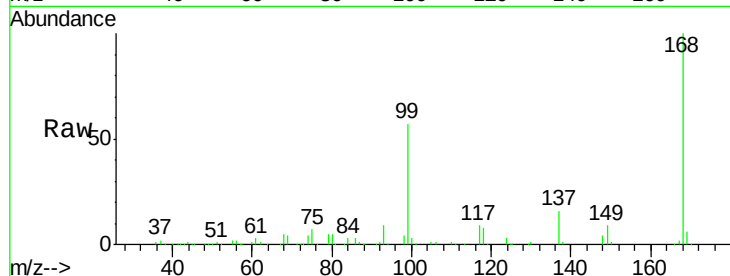
99 56.5 42.3 63.5

Manual Integrations

APPROVED

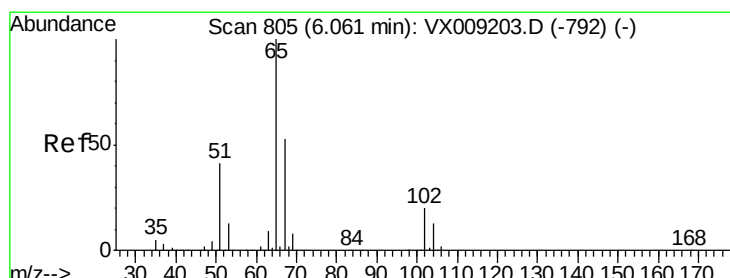
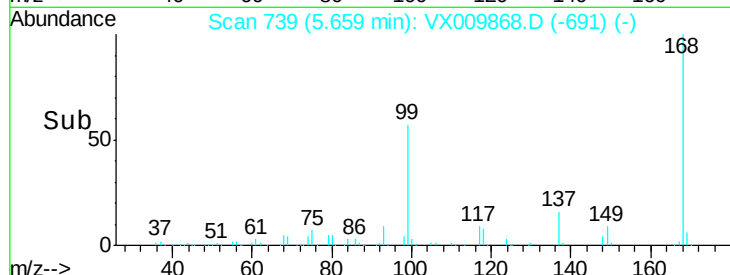
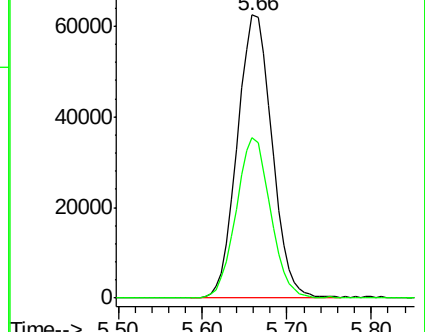
MMDadoda

5/24/2019 9:02:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.865 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009868.D

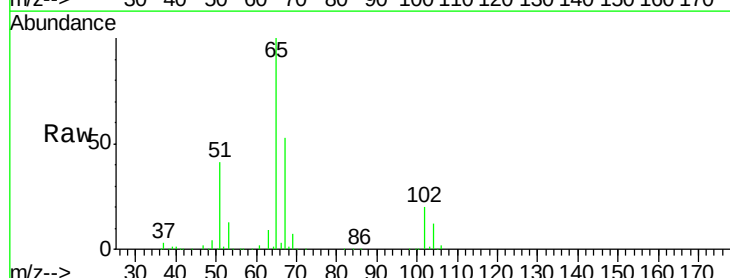
Acq: 23 May 2019 19:01

Tgt Ion: 65 Resp: 118784

Ion Ratio Lower Upper

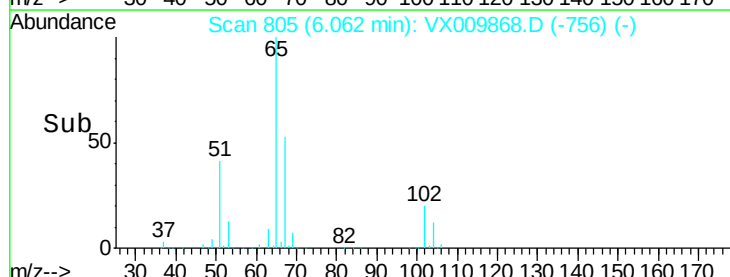
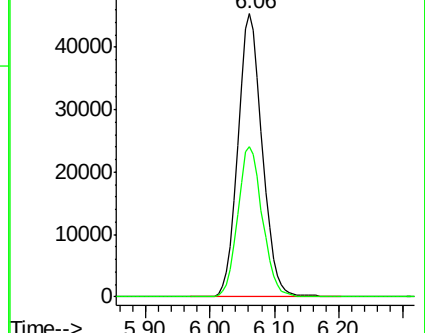
65 100

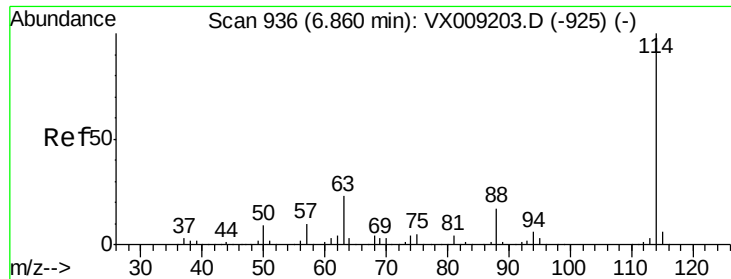
67 53.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





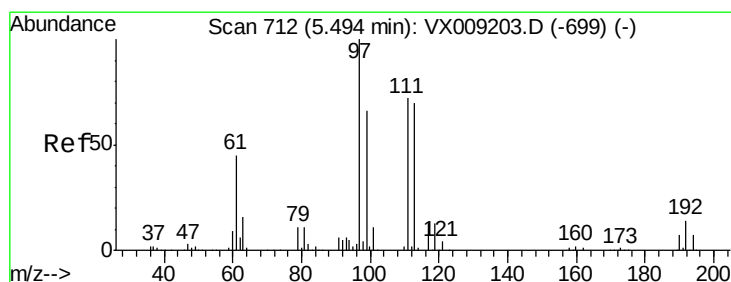
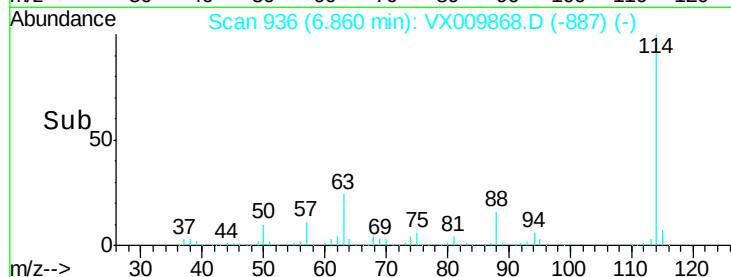
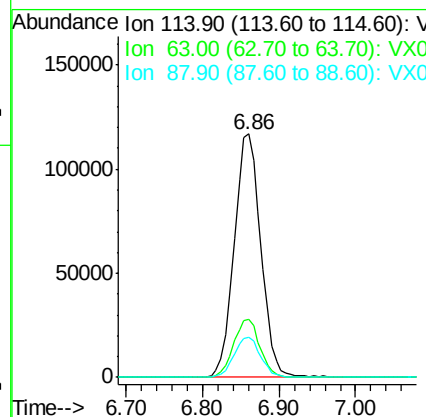
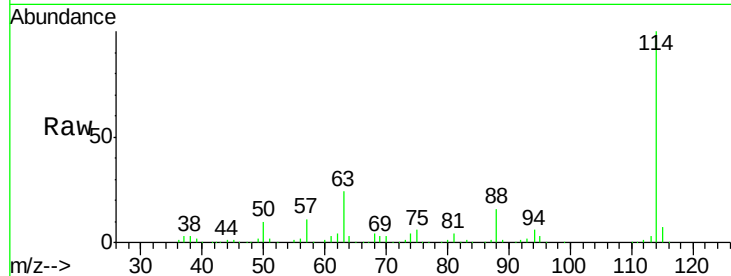
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009868.D
 Acq: 23 May 2019 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.9	0.0	45.6
88	16.3	0.0	33.2

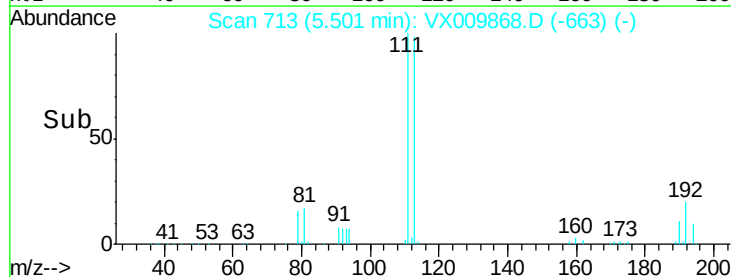
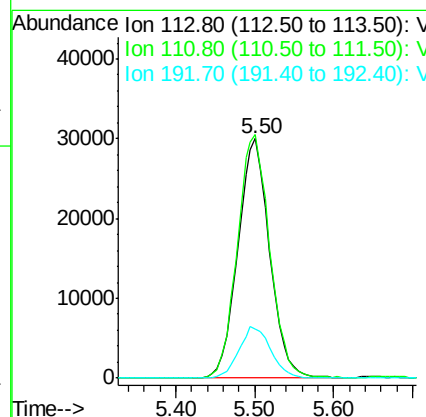
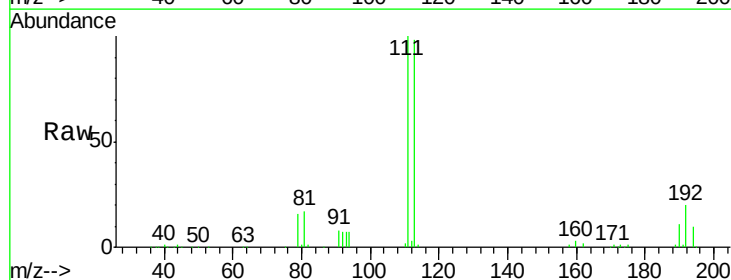
Manual Integrations
 APPROVED

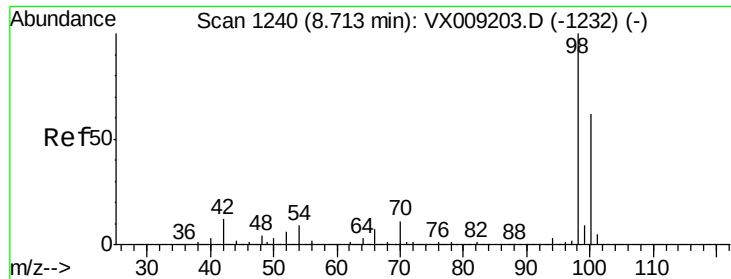
MMDadoda
 5/24/2019 9:02:17 AM



#35
 Dibromofluoromethane
 Concen: 47.419 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009868.D
 Acq: 23 May 2019 19:01

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.9	82.8	124.2
192	21.7	17.0	25.6





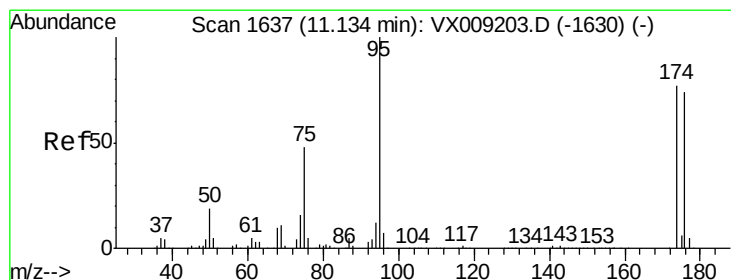
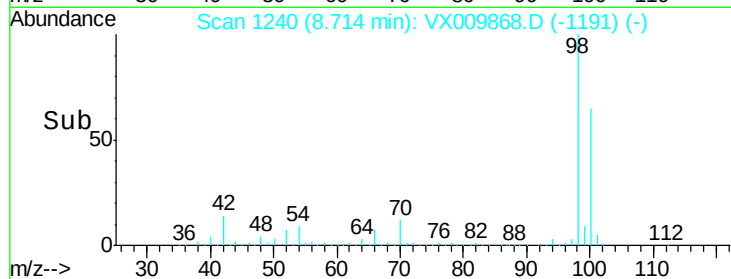
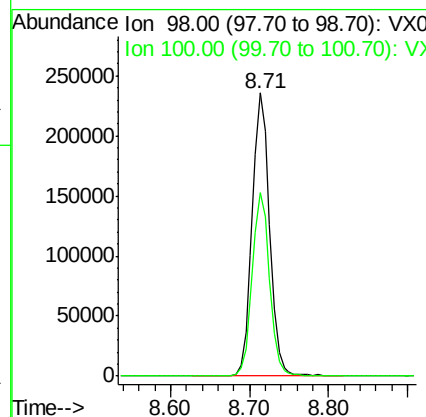
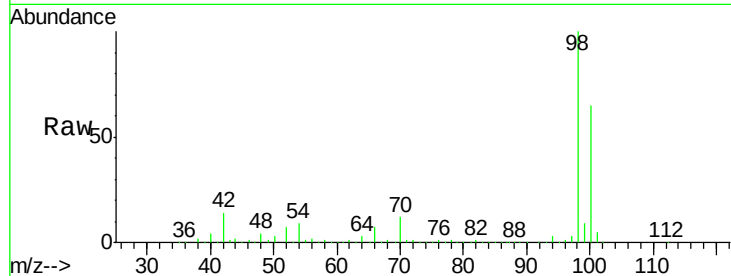
#50
Toluene-d8
Concen: 51.215 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009868.D
Acq: 23 May 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
EP1-SBR-4BR(14-17)

Tot Ion: 98 Resp: 365435
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

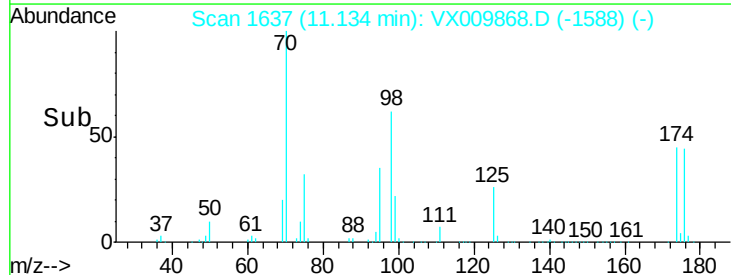
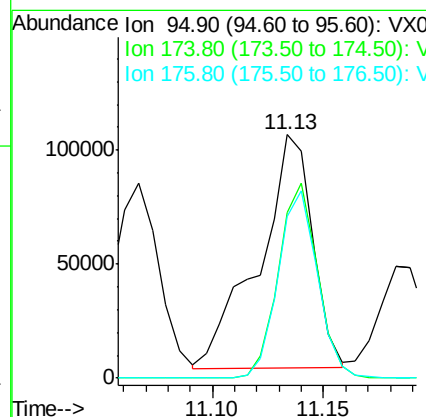
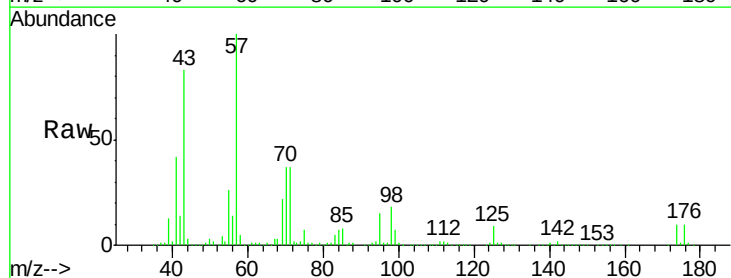
Manual Integrations
APPROVED

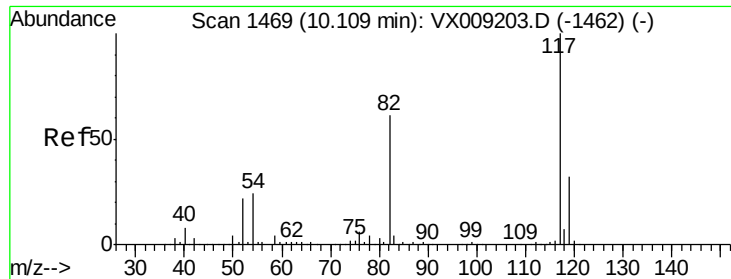
MMDadoda
5/24/2019 9:02:17 AM



#62
4-Bromofluorobenzene
Concen: 66.030 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009868.D
Acq: 23 May 2019 19:01

Tgt Ion: 95 Resp: 171197
Ion Ratio Lower Upper
95 100
174 61.0 0.0 161.6
176 59.1 0.0 159.2





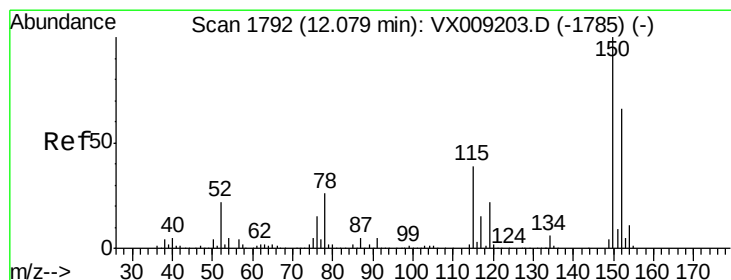
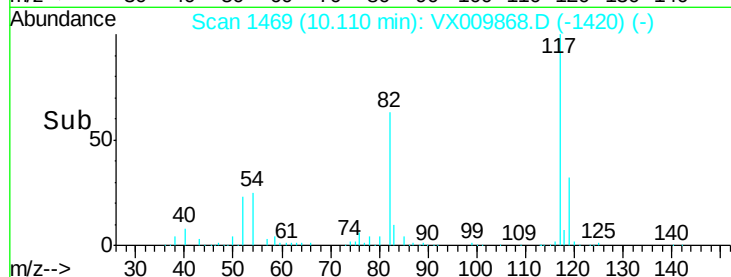
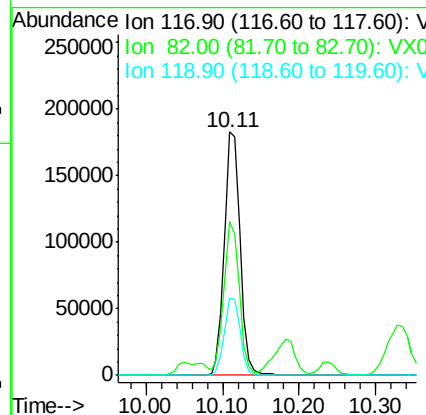
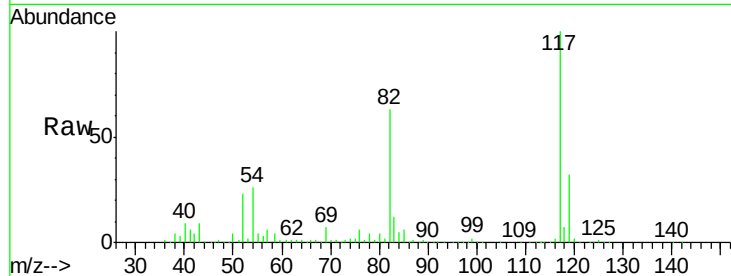
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009868.D
Acq: 23 May 2019 19:01

Instrument :
MSVOA_X
ClientSampleId :
EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262508		
82	62.5	48.8	73.2	
119	31.8	25.8	38.6	

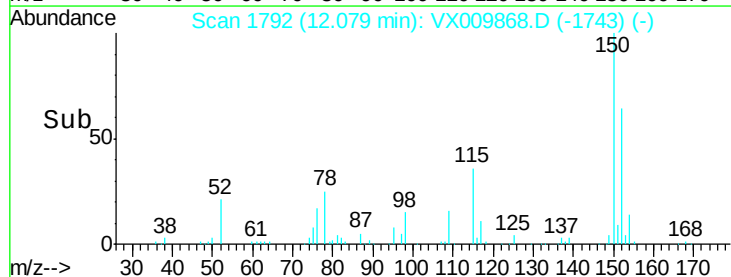
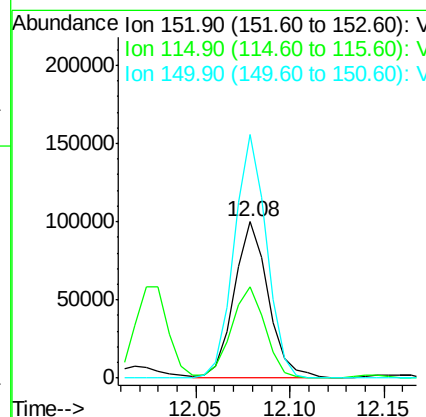
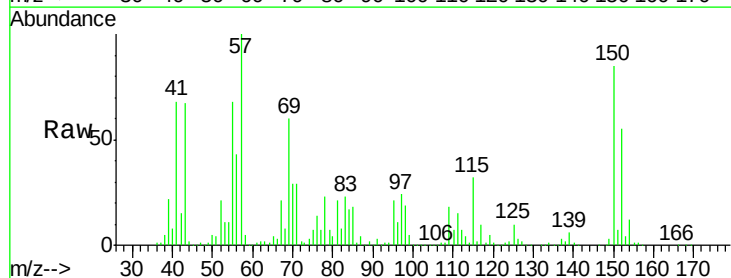
Manual Integrations
APPROVED

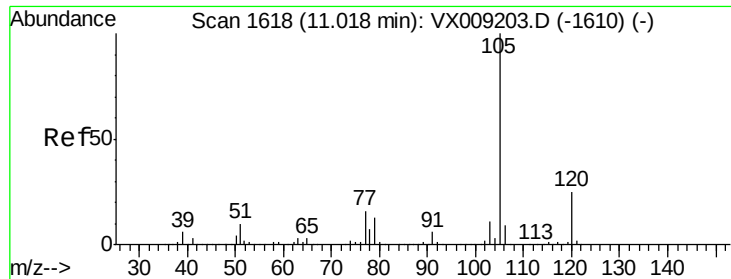
MMDadoda
5/24/2019 9:02:17 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009868.D
Acq: 23 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	125373		
115	57.7	41.2	123.6	
150	148.0	0.0	346.4	





#73

Isopropylbenzene

Concen: 1.423 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009868.D

Acq: 23 May 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

EP1-SBR-4BR(14-17)

Tot Ion: 105 Resp: 12978

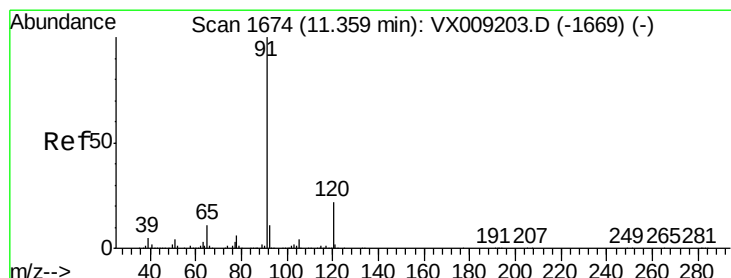
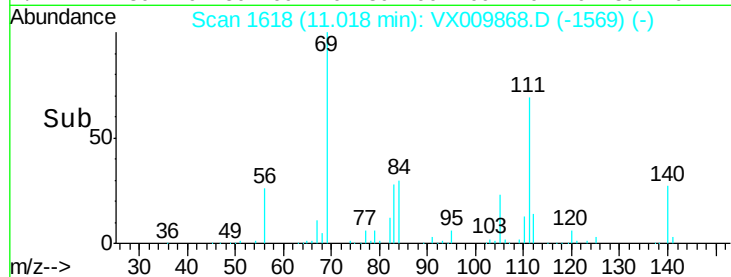
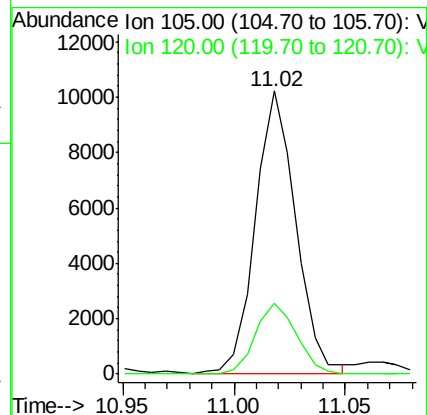
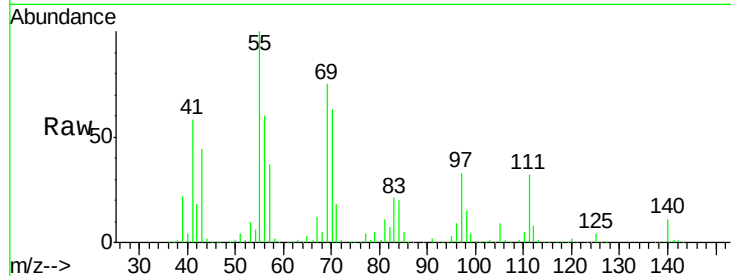
Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.3

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:02:17 AM



#78

n-propylbenzene

Concen: 5.262 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009868.D

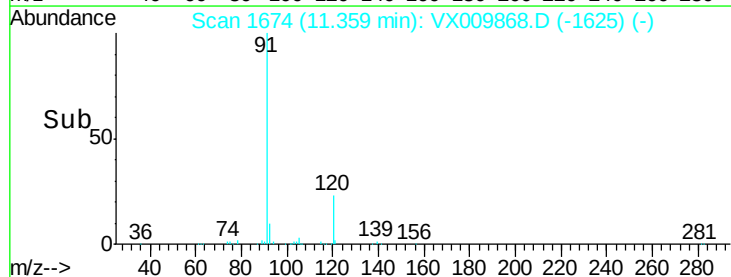
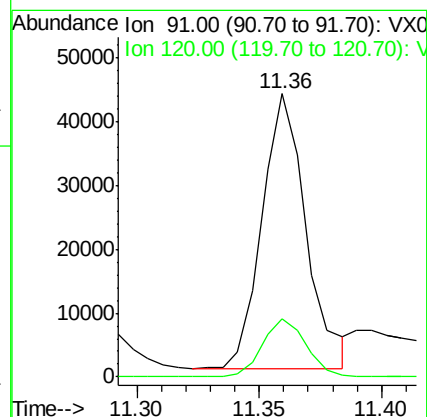
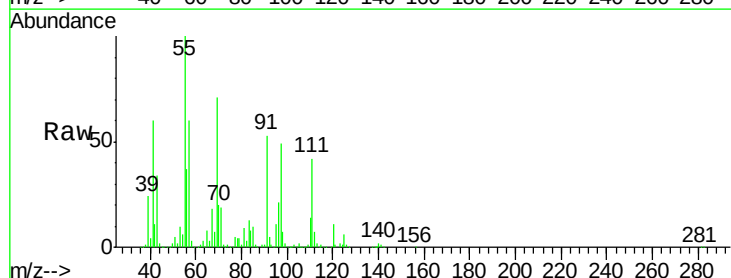
Acq: 23 May 2019 19:01

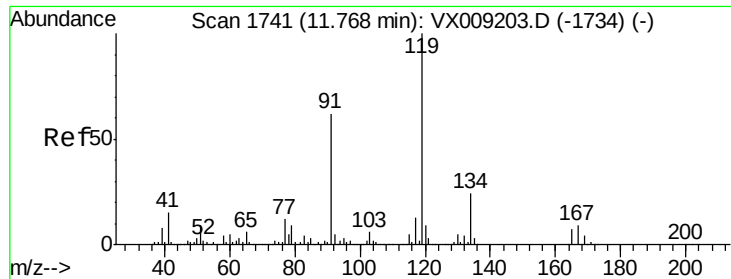
Tgt Ion: 91 Resp: 54788

Ion Ratio Lower Upper

91 100

120 20.9 11.0 33.0





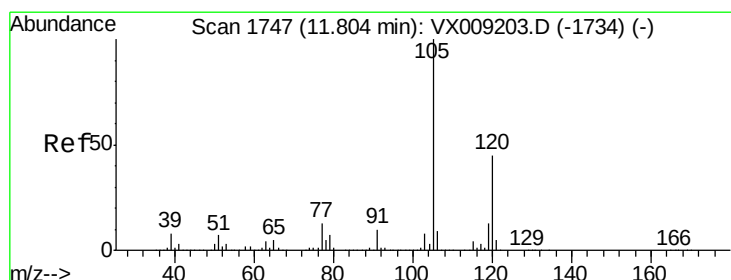
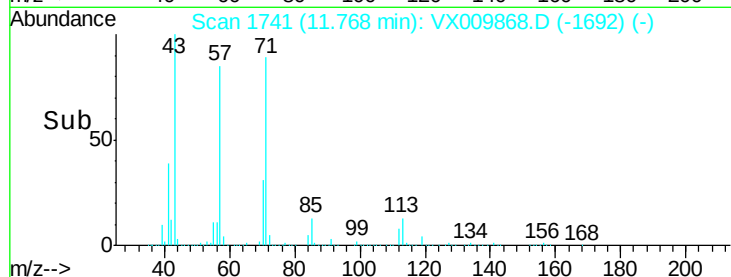
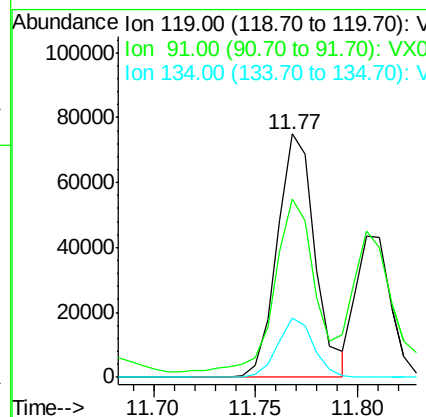
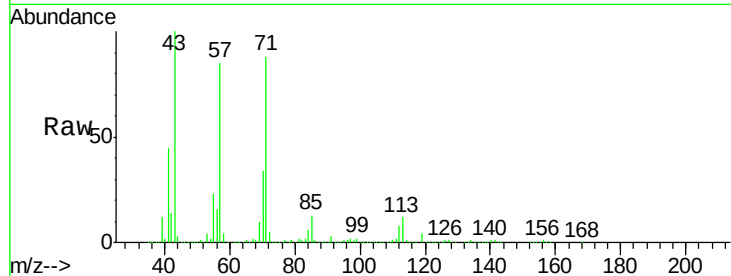
#83
 tert-Butylbenzene
 Concen: 12.976 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009868.D
 Acq: 23 May 2019 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	96901		
91	73.3	29.5	88.5	
134	23.0	11.4	34.1	

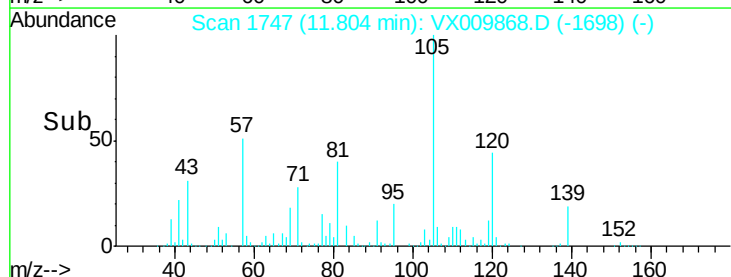
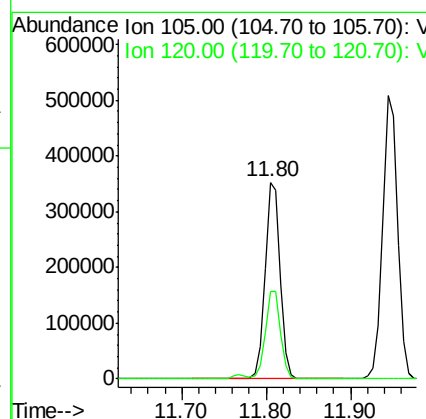
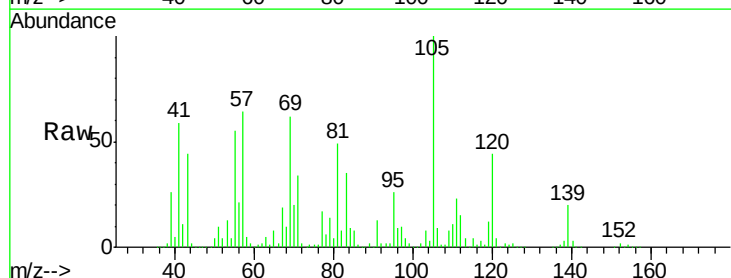
Manual Integrations
 APPROVED

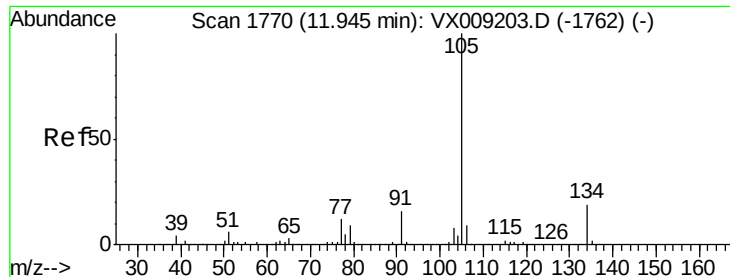
MMDadoda
 5/24/2019 9:02:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.484 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009868.D
 Acq: 23 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	435225		
120	44.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 70.923 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009868.D

Acq: 23 May 2019 19:01

Instrument :

MSVOA_X

ClientSampleId :

EP1-SBR-4BR(14-17)

Tot Ion:105 Resp: 627920

Ion Ratio Lower Upper

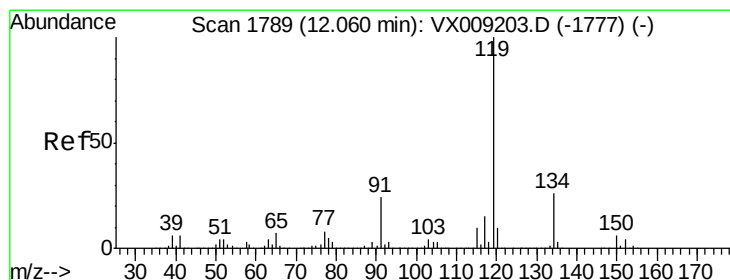
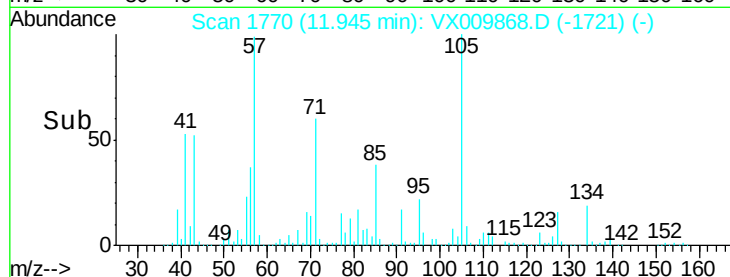
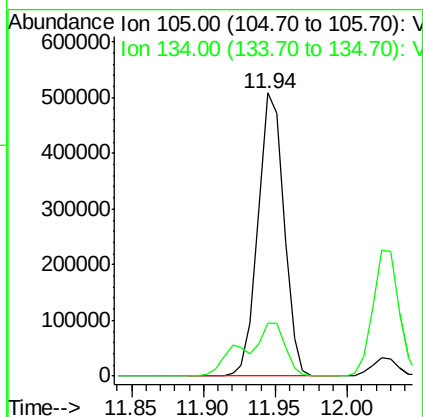
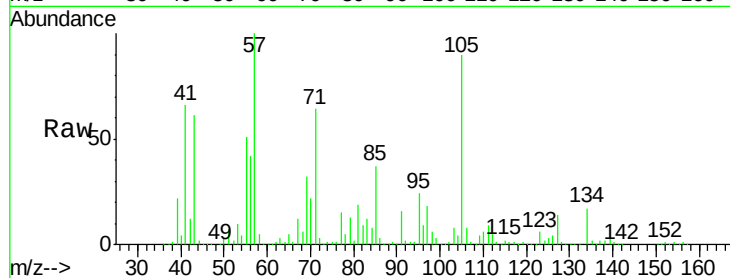
105 100

134 30.0 9.7 28.9#

Manual Integrations
APPROVED

MMDadoda

5/24/2019 9:02:17 AM



#86

p-Isopropyltoluene

Concen: 5.574 ug/l m

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX009868.D

Acq: 23 May 2019 19:01

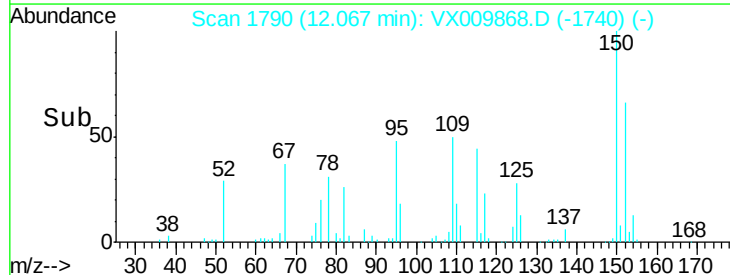
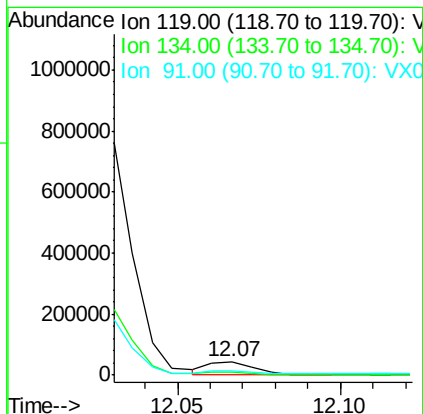
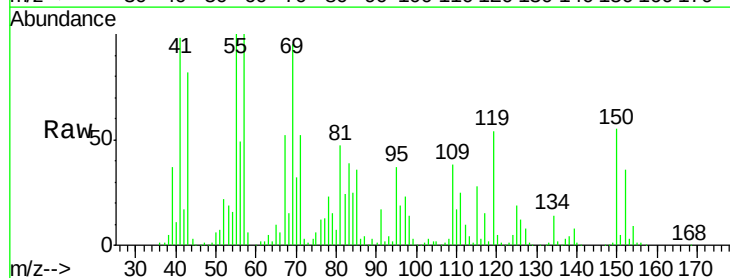
Tgt Ion:119 Resp: 44362

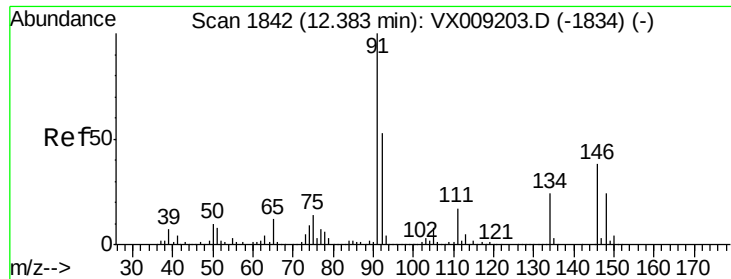
Ion Ratio Lower Upper

119 100

134 636.2 12.9 38.7#

91 580.0 11.8 35.4#





#89
 n-Butylbenzene
 Concen: 21.097 ug/l m
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX009868.D
 Acq: 23 May 2019 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Lower	Upper
91	100		
92	71.2	26.5	79.5
134	0.0	12.4	37.2#

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:02:17 AM

