

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004232.D
 Acq On : 23 Aug 2018 17:40
 Operator : JC/MD
 Sample : J4579-08DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0543DL

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:53 AM

Quant Time: Aug 24 07:19:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	334921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	505536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	460280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	282936	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	209783	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	5.50	113	183245	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	708396	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.14	95	261964	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	132976	21.73	ug/l	96
39) Methylcyclohexane	7.46	83	112996	17.41	ug/l	100
52) Toluene	8.78	92	21894	2.06	ug/l	99
67) Ethyl Benzene	10.25	91	171388	9.14	ug/l	98
68) m/p-Xylenes	10.36	106	258089	35.18	ug/l	97
69) o-Xylene	10.70	106	77392	11.15	ug/l	97
73) Isopropylbenzene	11.02	105	37726	2.03	ug/l	95
78) n-propylbenzene	11.36	91	75441	3.53	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	173506	11.27	ug/l	99
83) tert-Butylbenzene	11.77	119	4017	0.26	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	411426	26.04	ug/l	98
85) sec-Butylbenzene	11.94	105	6557m	0.36	ug/l	
86) p-Isopropyltoluene	12.07	119	6123m	0.37	ug/l	
95) Naphthalene	13.83	128	60959	3.30	ug/l	99

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

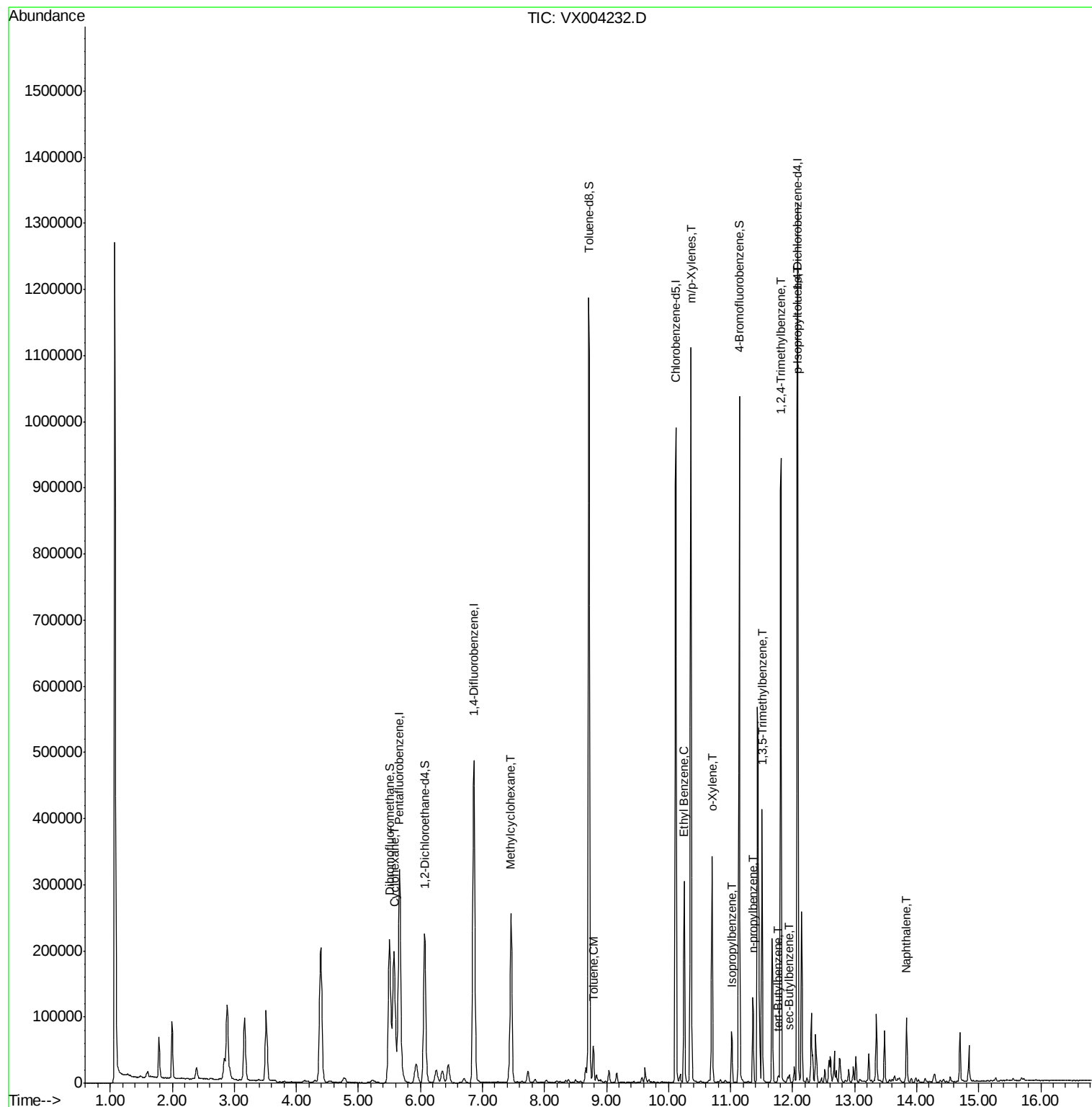
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082318\
Data File : VX004232.D
Acq On : 23 Aug 2018 17:40
Operator : JC/MD
Sample : J4579-08DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

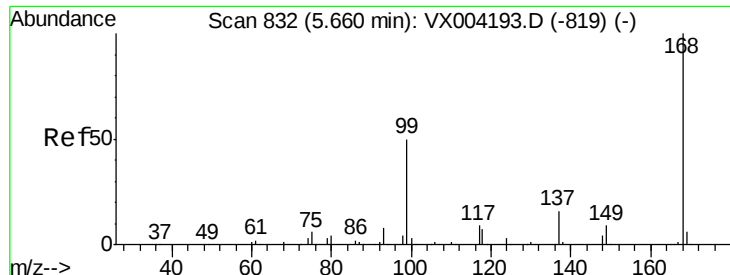
Instrument :
MSVOA_X
ClientSampleId :
FL-0543DL

Manual Integrations
APPROVED

MMDadoda
8/24/2018 11:35:53 AM

Quant Time: Aug 24 07:19:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004232.D

Acq: 23 Aug 2018 17:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0543DL

Tot Ion:168 Resp: 334921

Ion Ratio Lower Upper

168 100

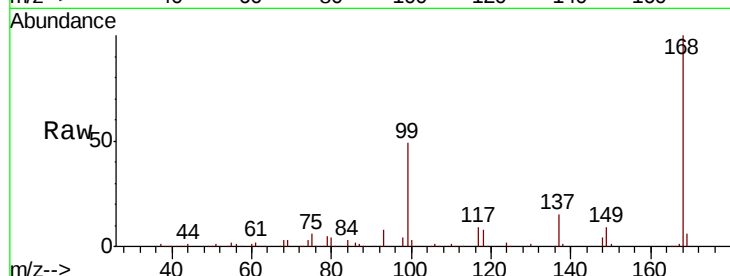
99 49.1 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

8/24/2018 11:35:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

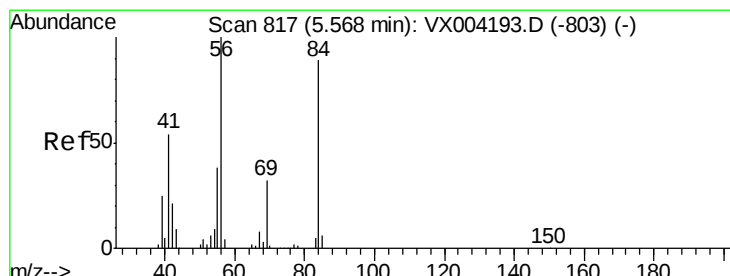
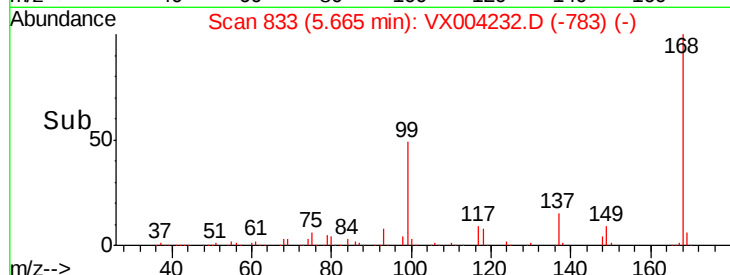
5.67

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 21.73 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004232.D

Acq: 23 Aug 2018 17:40

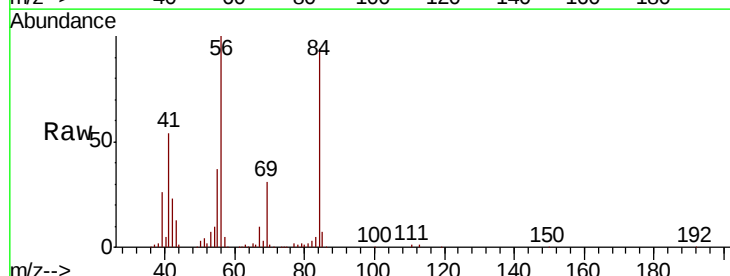
Tgt Ion: 56 Resp: 132976

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 94.5 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.57

60000

50000

40000

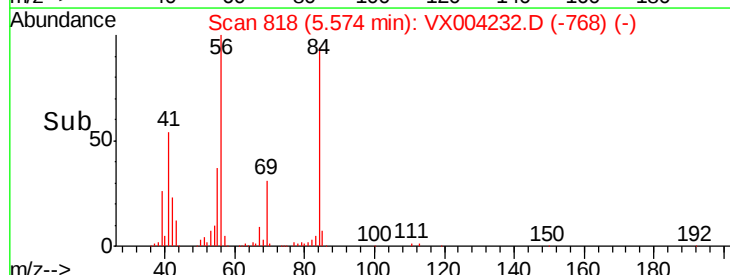
30000

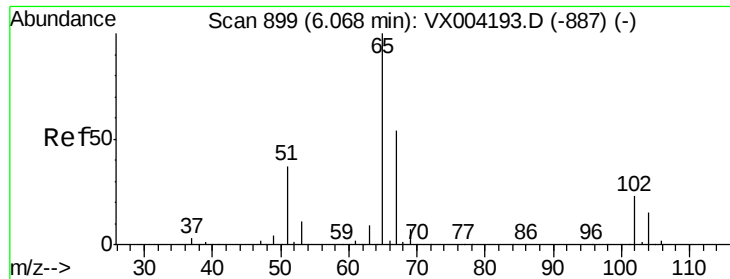
20000

10000

0

Time-->





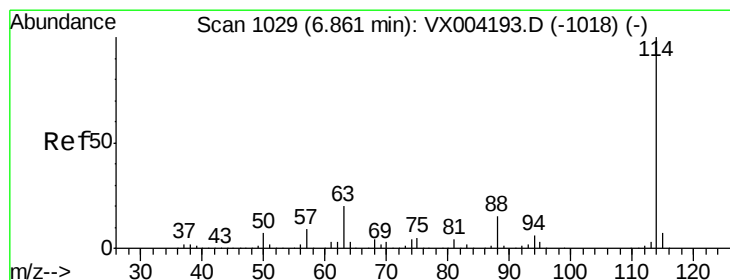
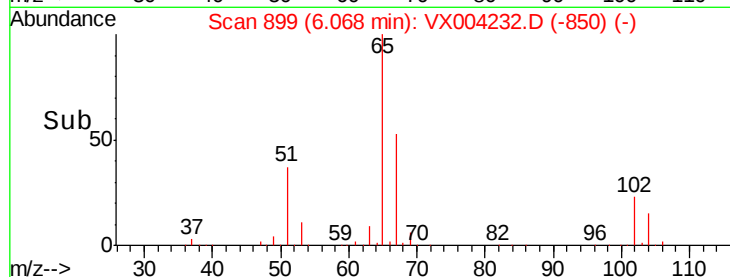
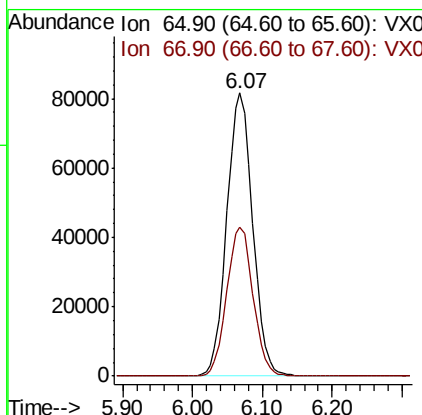
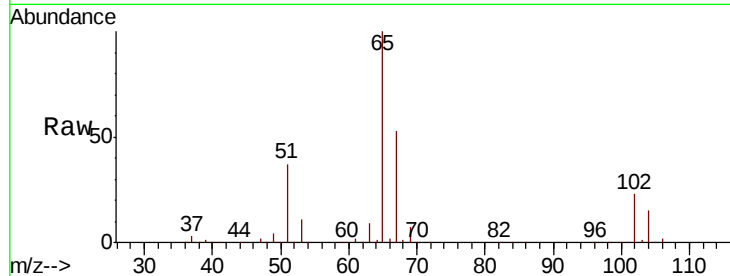
#33
 1,2-Dichloroethane-d4
 Concen: 48.06 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004232.D
 Acq: 23 Aug 2018 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0543DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209783		
67	53.6		0.0	106.8

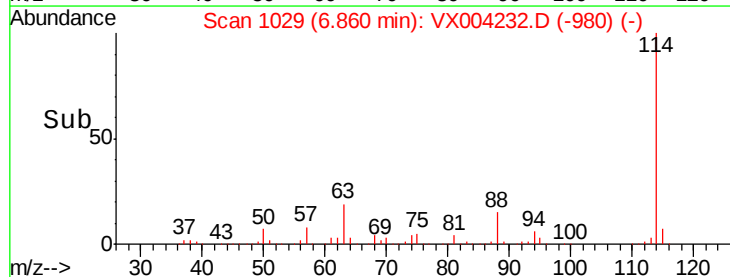
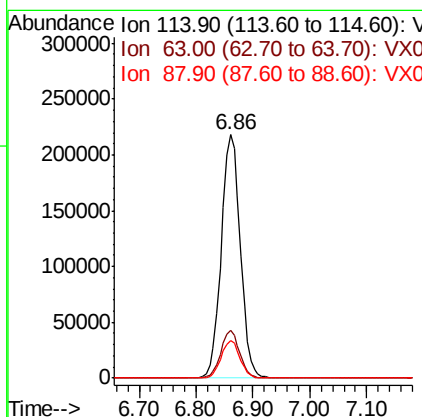
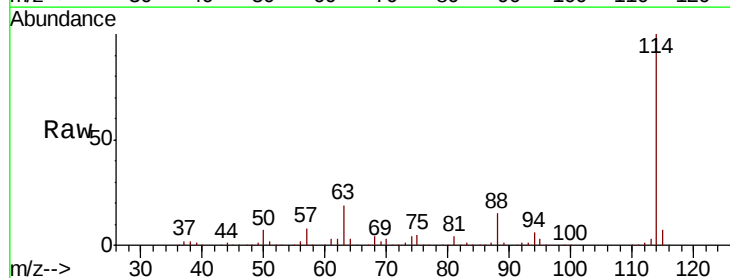
Manual Integrations
 APPROVED

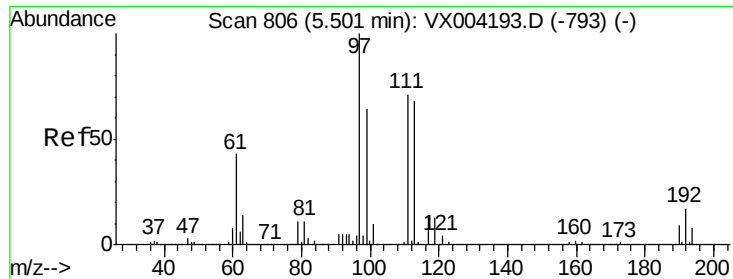
MMDadoda
 8/24/2018 11:35:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004232.D
 Acq: 23 Aug 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	505536		
63	19.4		0.0	39.0
88	15.3		0.0	30.4





#35

Dibromofluoromethane

Concen: 48.72 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004232.D

Acq: 23 Aug 2018 17:40

Instrument :

MSVOA_X

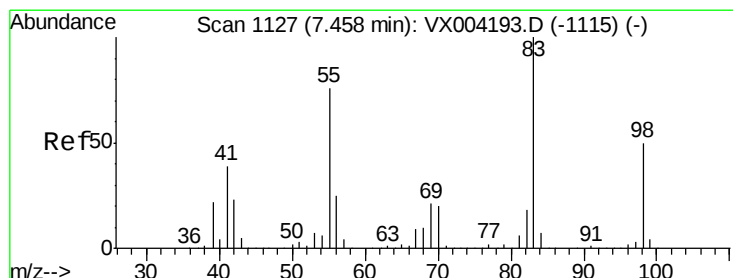
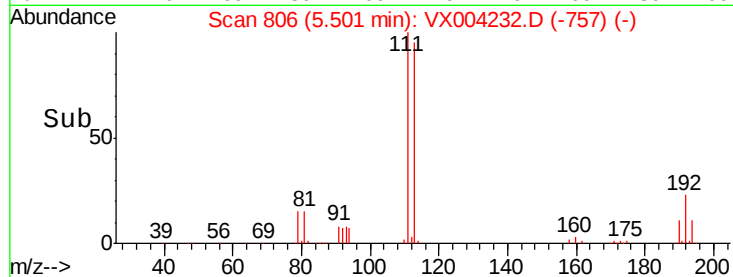
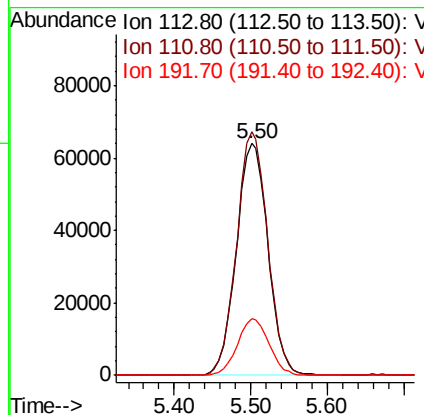
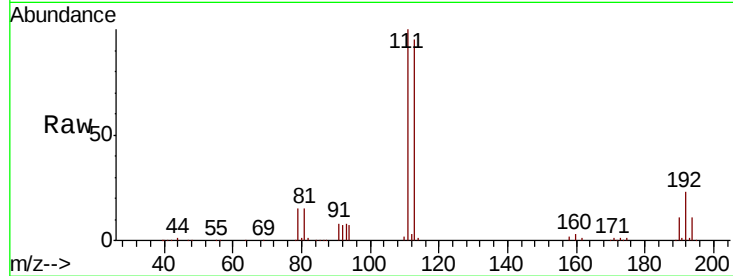
ClientSampled :

FL-0543DL

Tot Ion:	113	Resp:	183245
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	24.3	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
8/24/2018 11:35:53 AM



#39

Methylcyclohexane

Concen: 17.41 ug/l

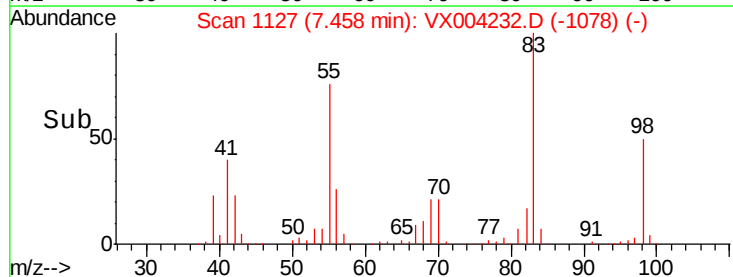
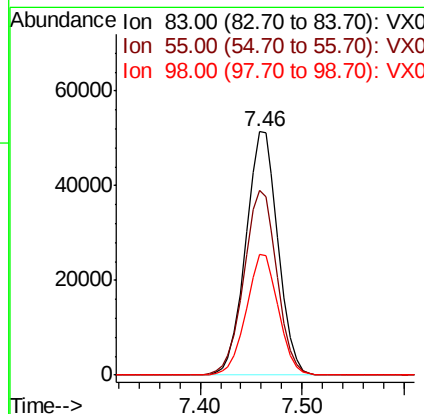
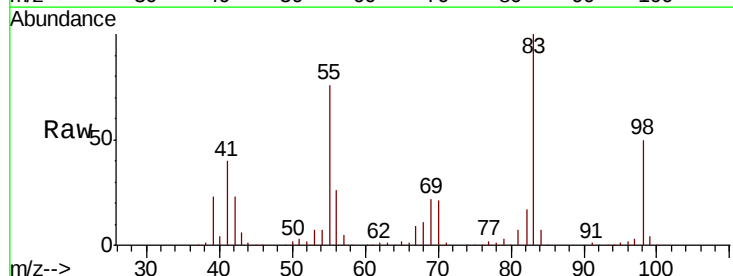
RT: 7.46 min Scan# 1127

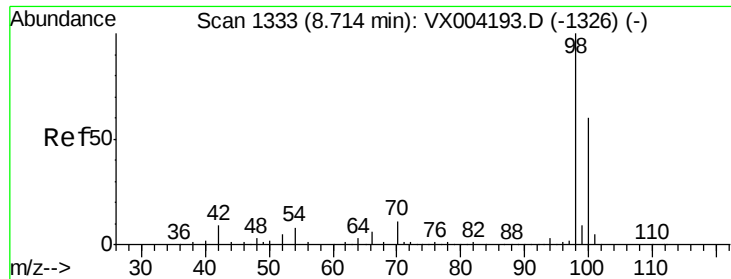
Delta R.T. -0.00 min

Lab File: VX004232.D

Acq: 23 Aug 2018 17:40

Tgt Ion:	83	Resp:	112996
Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.0	91.4
98	49.6	39.6	59.4





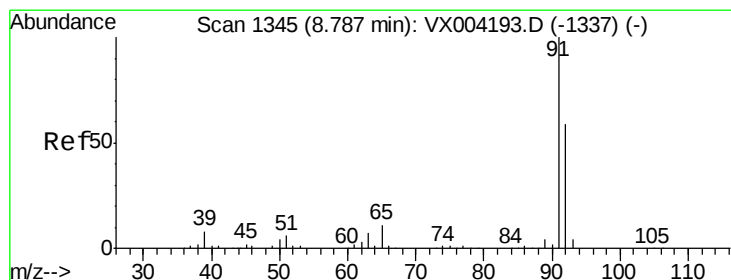
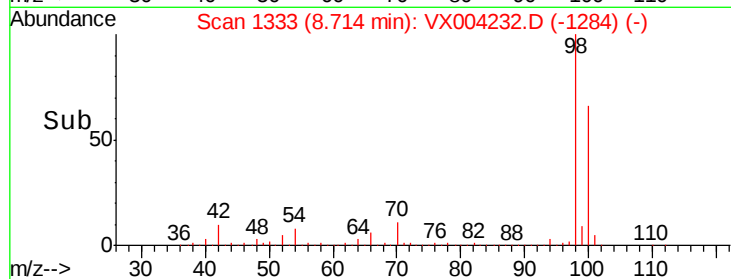
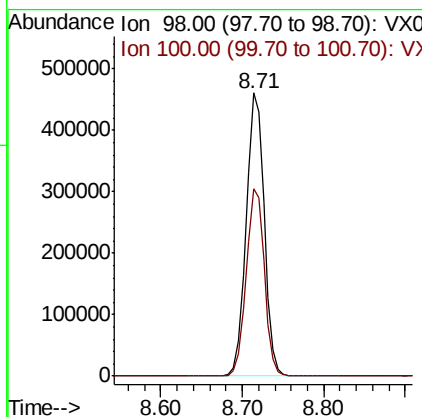
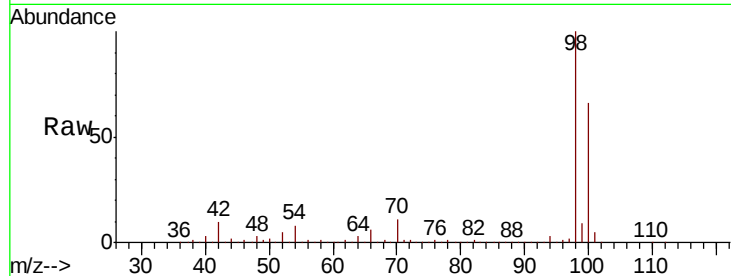
#50
Toluene-d8
Concen: 49.90 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Instrument :
MSVOA_X
ClientSampleID :
FL-0543DL

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	66.3	52.9	79.3	

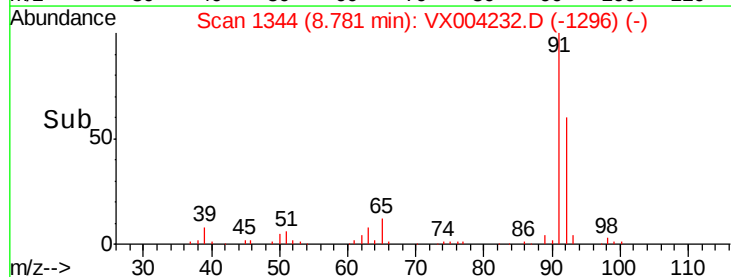
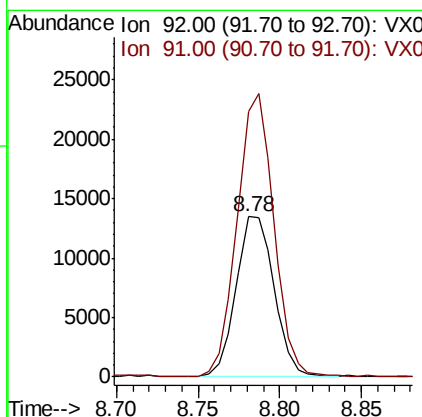
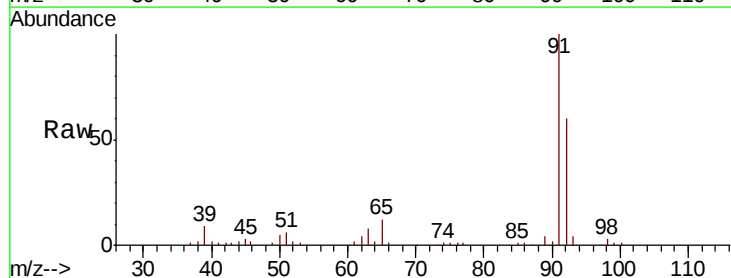
Manual Integrations
APPROVED

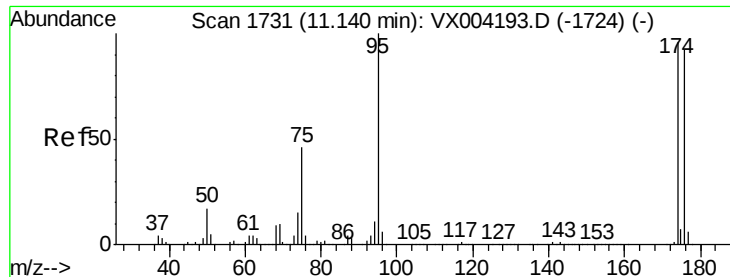
MMDadoda
8/24/2018 11:35:53 AM



#52
Toluene
Concen: 2.06 ug/l
RT: 8.78 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	171.8	136.4	204.6	





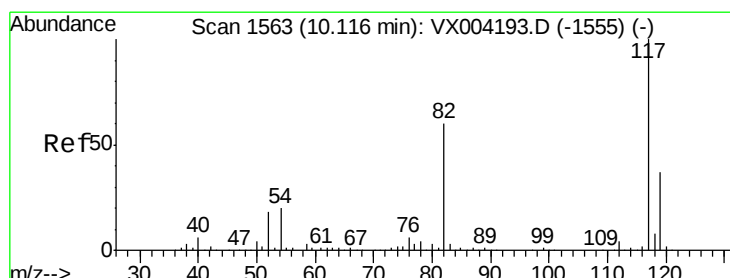
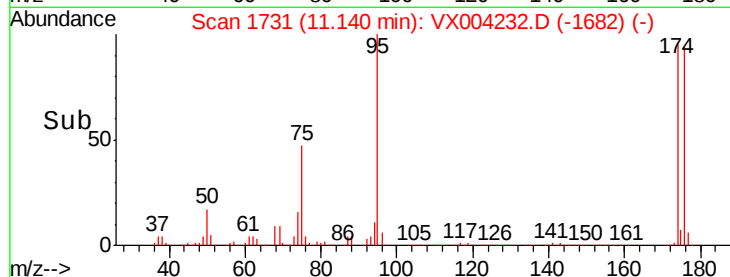
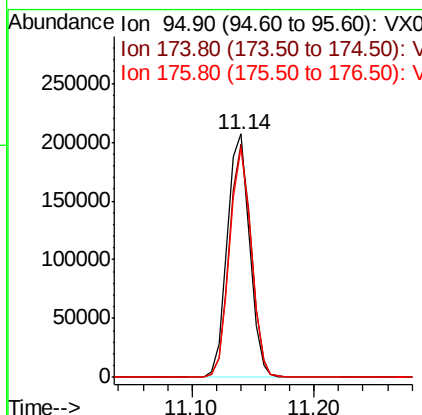
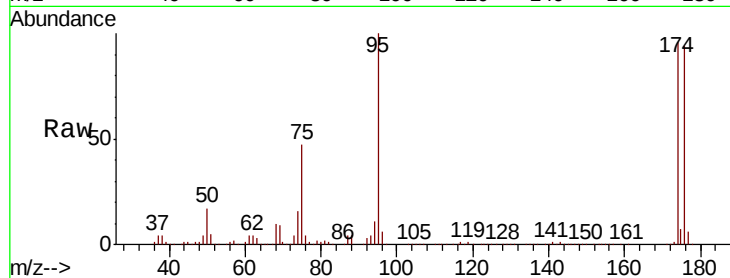
#62
4-Bromofluorobenzene
Concen: 49.46 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Instrument :
MSVOA_X
ClientSampleID :
FL-0543DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	261964		
174	93.7	0.0	185.2	
176	90.7	0.0	178.6	

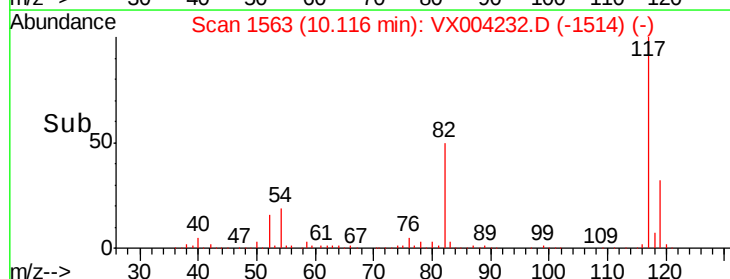
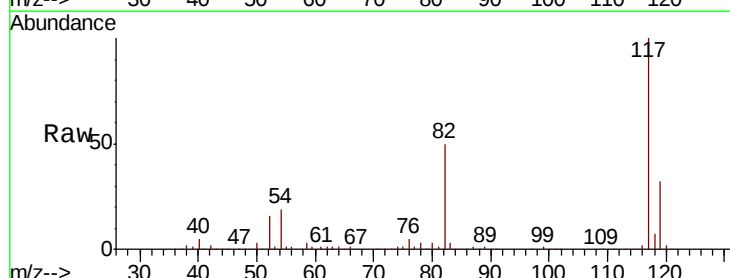
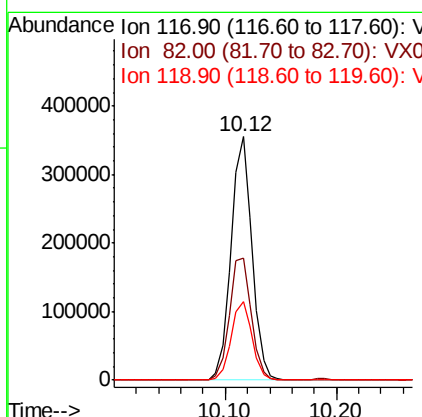
Manual Integrations
APPROVED

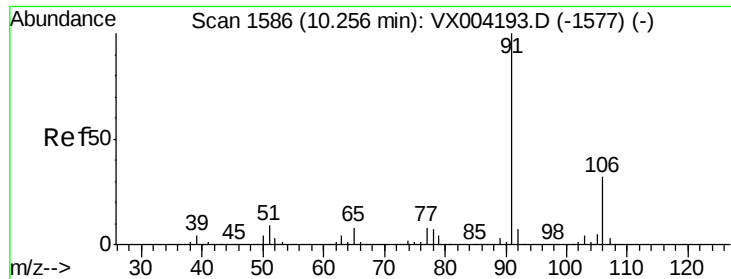
MMDadoda
8/24/2018 11:35:53 AM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	460280		
82	50.2	47.8	71.6	
119	32.1	29.3	43.9	





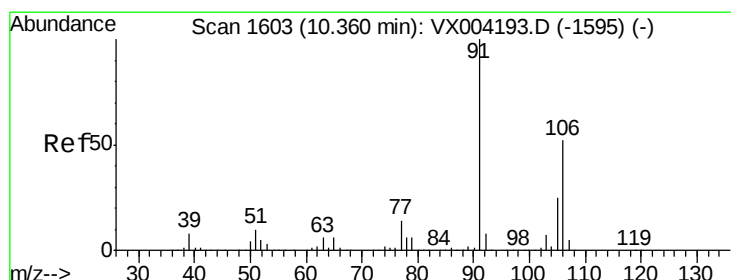
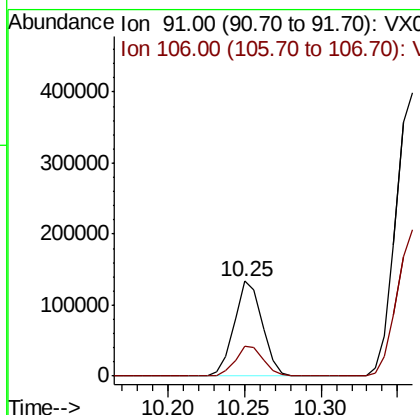
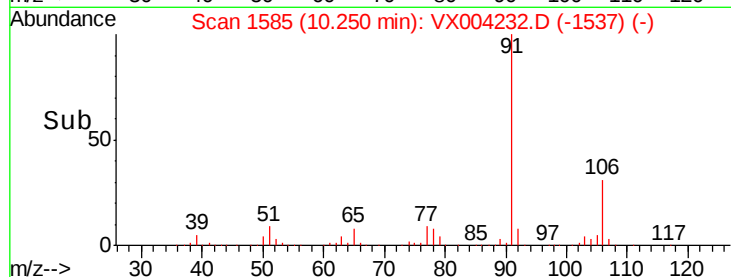
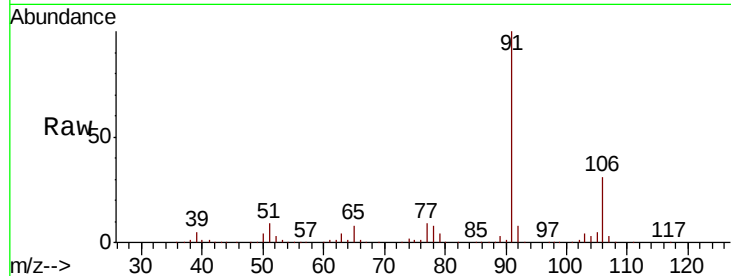
#67
Ethyl Benzene
Concen: 9.14 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Instrument :
MSVOA_X
ClientSampled :
FL-0543DL

Tot Ion: 91 Resp: 171388
Ion Ratio Lower Upper
91 100
106 31.3 25.9 38.9

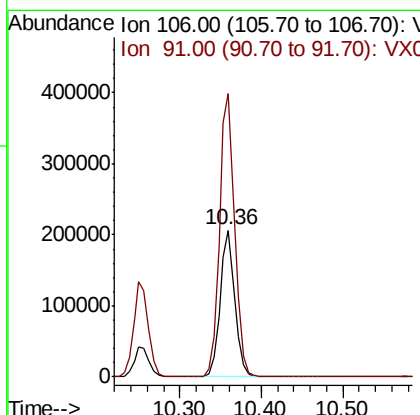
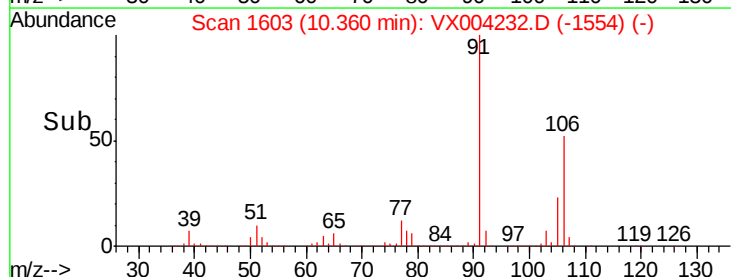
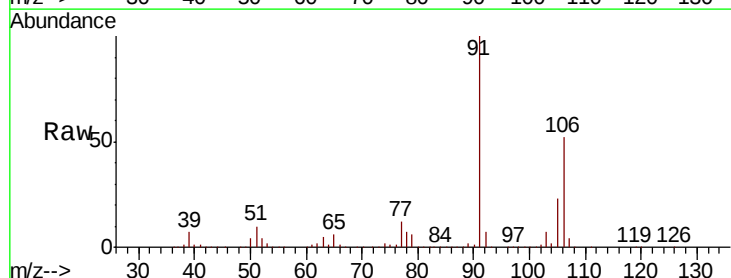
Manual Integrations
APPROVED

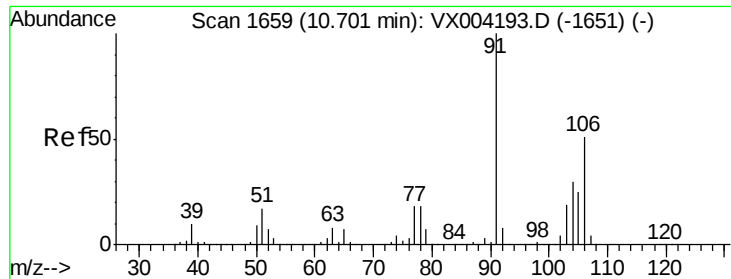
MMDadoda
8/24/2018 11:35:53 AM



#68
m/p-Xylenes
Concen: 35.18 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Tgt Ion: 106 Resp: 258089
Ion Ratio Lower Upper
106 100
91 200.6 157.1 235.7





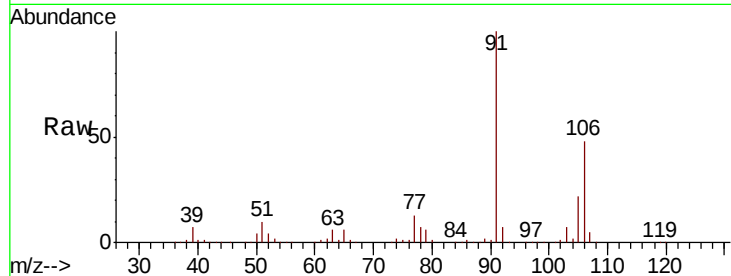
#69
o-Xylene
Concen: 11.15 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Instrument :
MSVOA_X
ClientSampled :
FL-0543DL

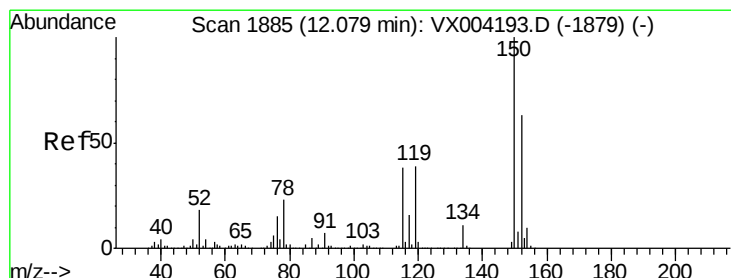
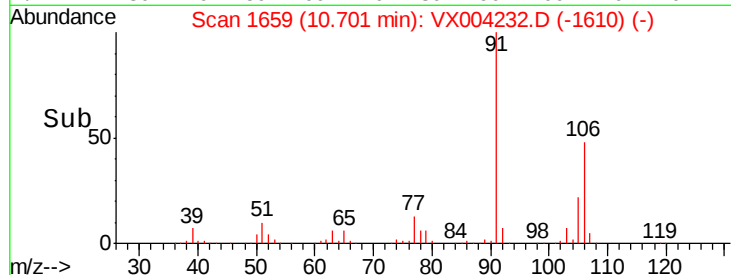
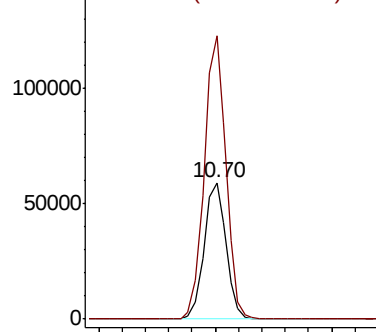
Tot Ion:106 Resp: 77392
Ion Ratio Lower Upper
106 100
91 204.9 105.1 315.1

Manual Integrations
APPROVED

MMDadoda
8/24/2018 11:35:53 AM

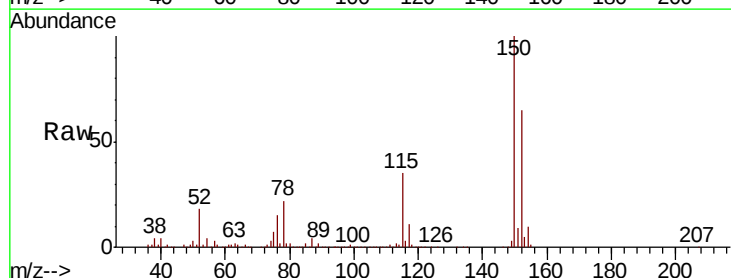


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

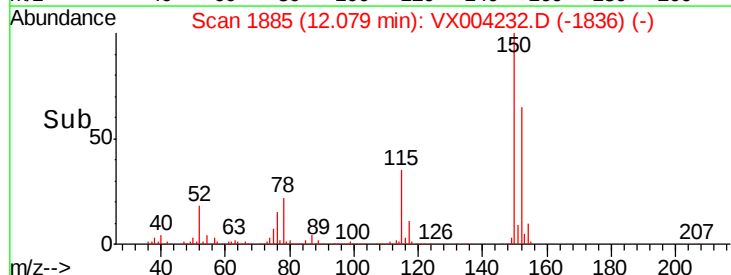
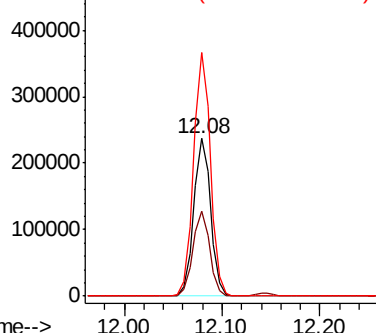


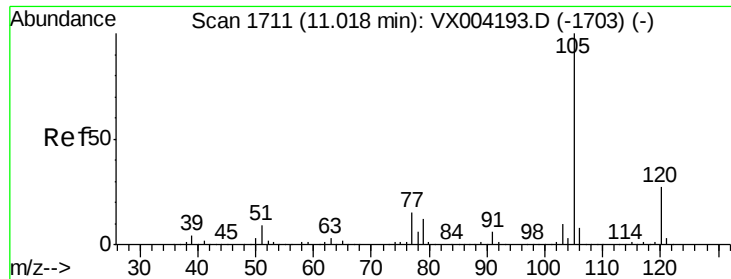
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Tgt Ion:152 Resp: 282936
Ion Ratio Lower Upper
152 100
115 53.5 39.0 117.0
150 154.5 0.0 351.0



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: 2.03 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004232.D

Acq: 23 Aug 2018 17:40

Instrument :

MSVOA_X

ClientSampled :

FL-0543DL

Tot Ion: 105 Resp: 37726

Ion Ratio Lower Upper

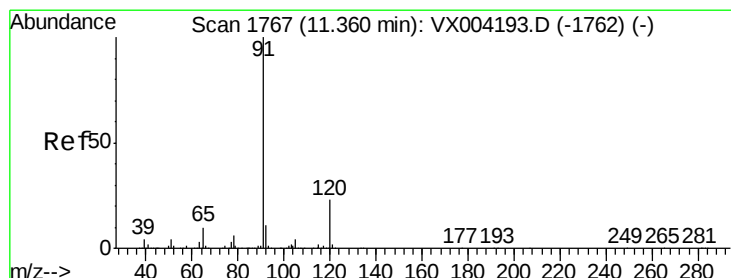
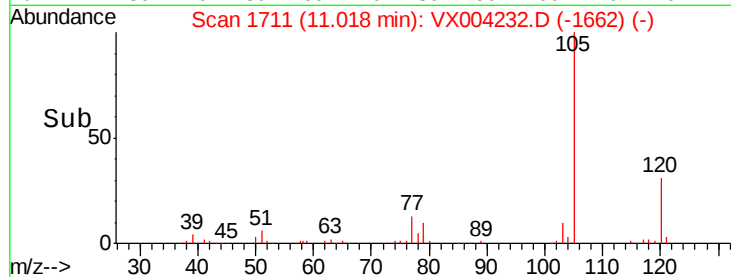
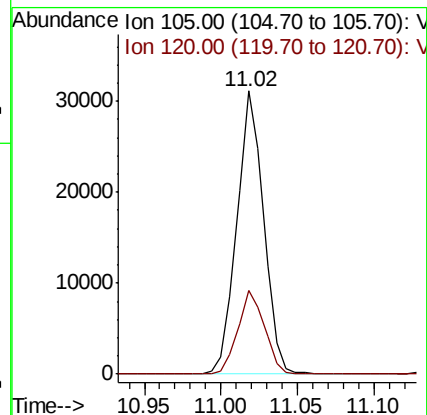
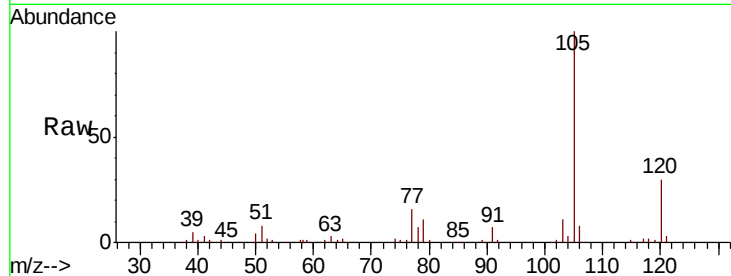
105 100

120 29.3 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

8/24/2018 11:35:53 AM



#78

n-propylbenzene

Concen: 3.53 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004232.D

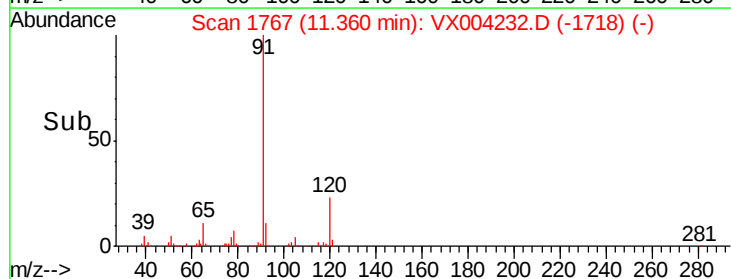
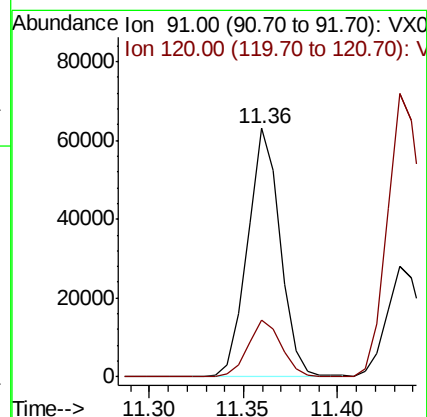
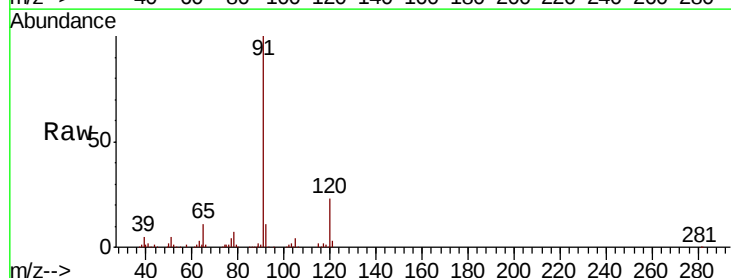
Acq: 23 Aug 2018 17:40

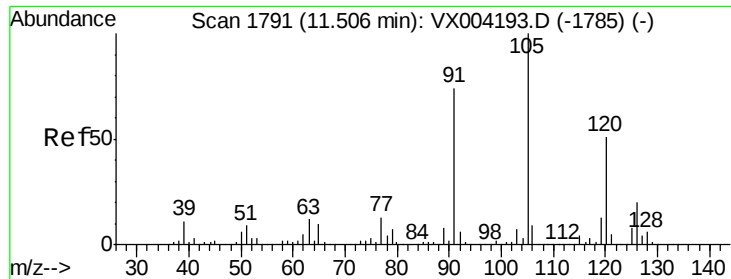
Tgt Ion: 91 Resp: 75441

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.9





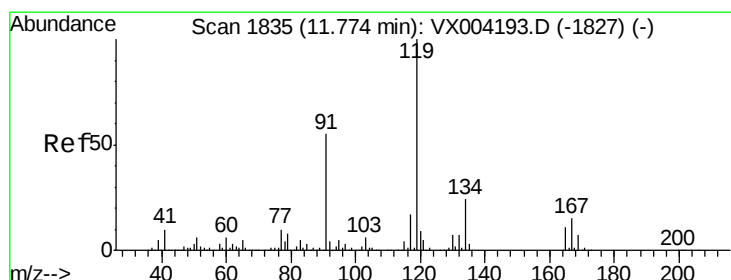
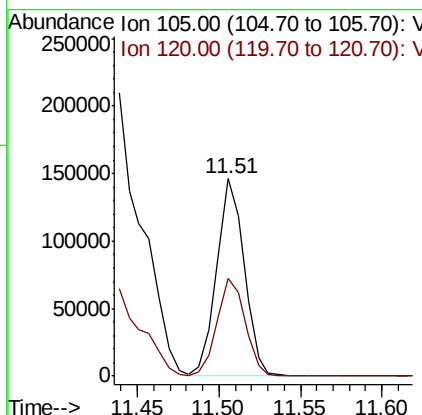
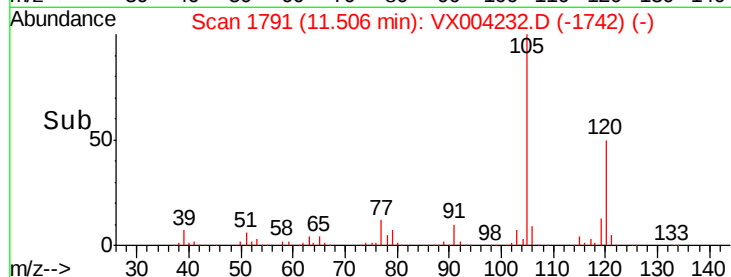
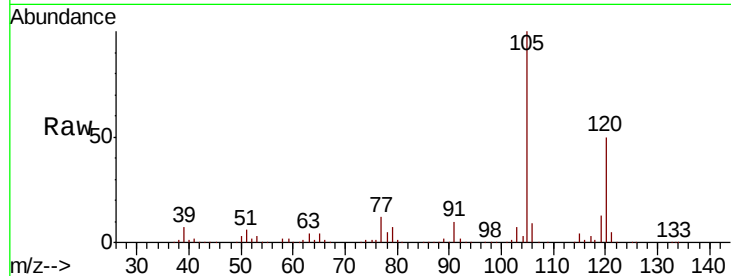
#80
 1,3,5-Trimethylbenzene
 Concen: 11.27 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004232.D
 Acq: 23 Aug 2018 17:40

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0543DL

Tot Ion:105 Resp: 173506
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.6 76.8

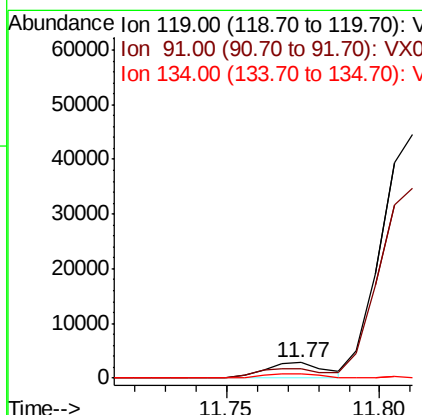
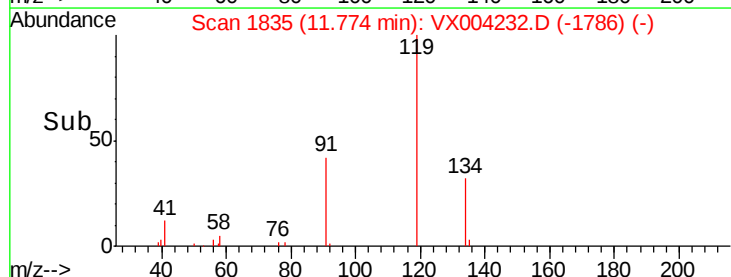
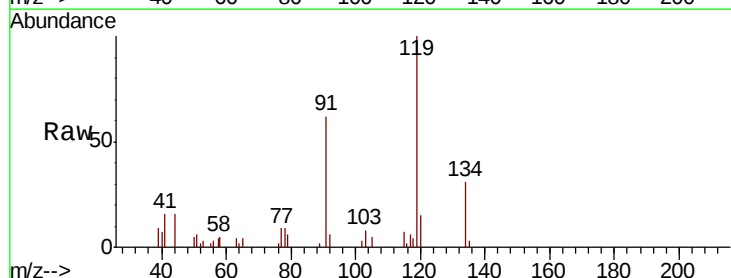
Manual Integrations
 APPROVED

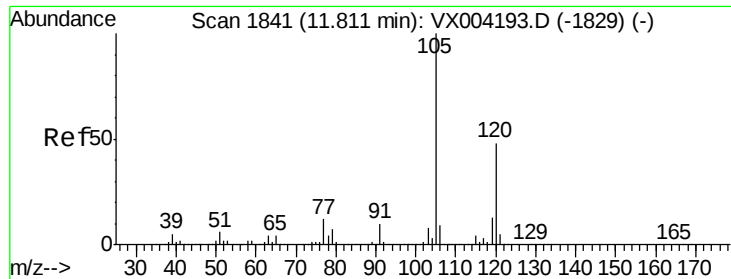
MMDadoda
 8/24/2018 11:35:53 AM



#83
 tert-Butylbenzene
 Concen: 0.26 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004232.D
 Acq: 23 Aug 2018 17:40

Tgt Ion:119 Resp: 4017
 Ion Ratio Lower Upper
 119 100
 91 61.6 27.0 81.0
 134 27.2 11.7 35.1





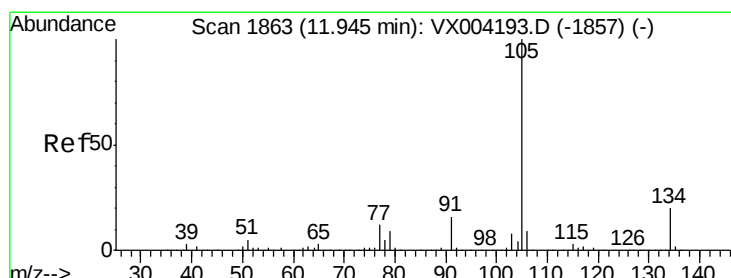
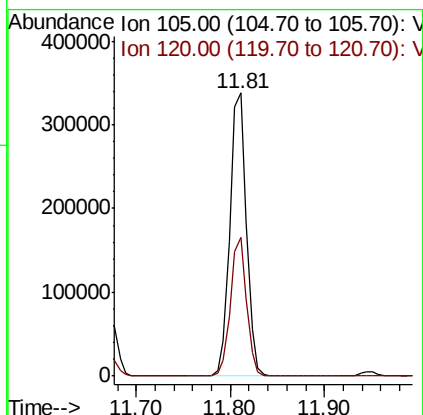
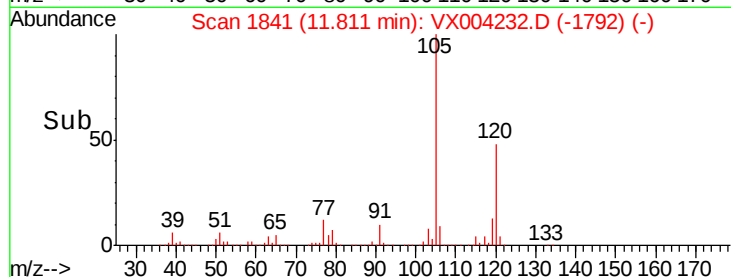
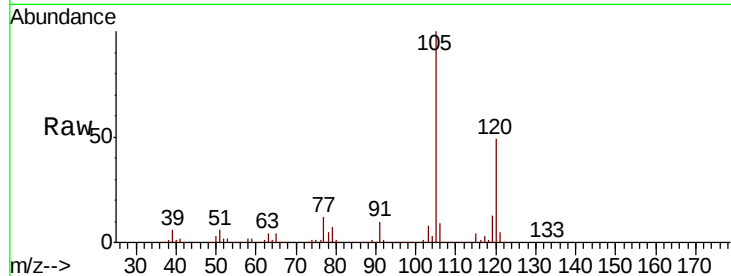
#84
1,2,4-Trimethylbenzene
Concen: 26.04 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Instrument :
MSVOA_X
ClientSampled :
FL-0543DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.2	69.6

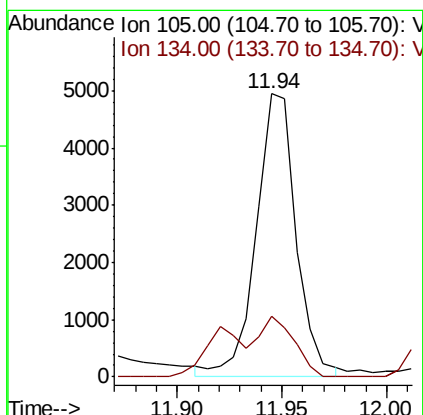
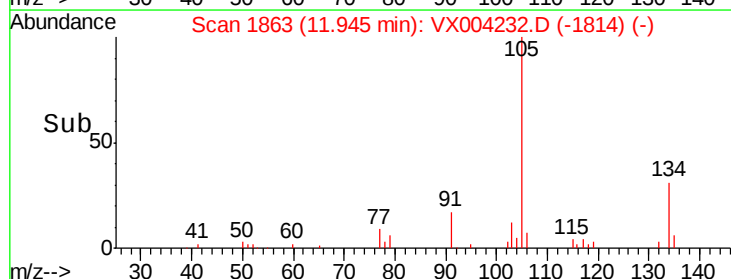
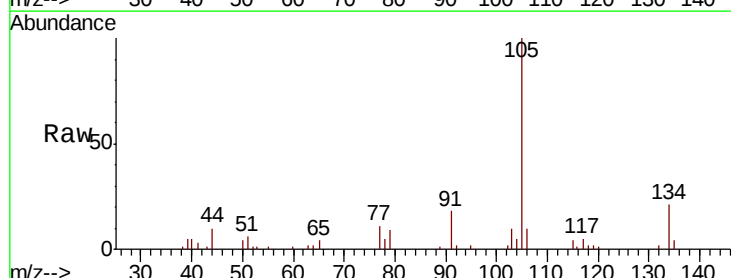
Manual Integrations
APPROVED

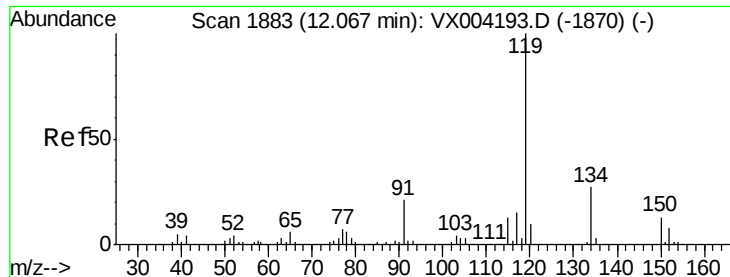
MMDadoda
8/24/2018 11:35:53 AM



#85
sec-Butylbenzene
Concen: 0.36 ug/l m
RT: 11.94 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Tgt Ion	Ratio	Lower	Upper
105	100		
134	3.2	10.5	31.5#





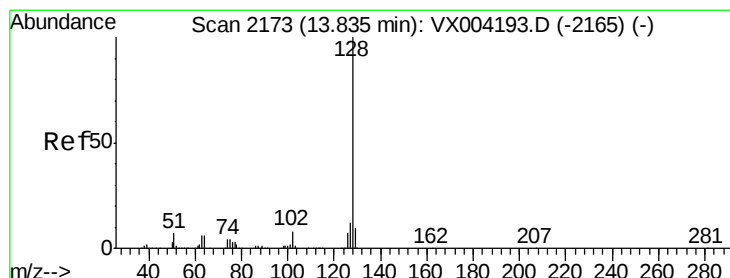
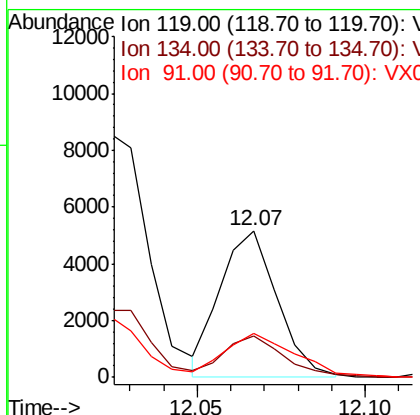
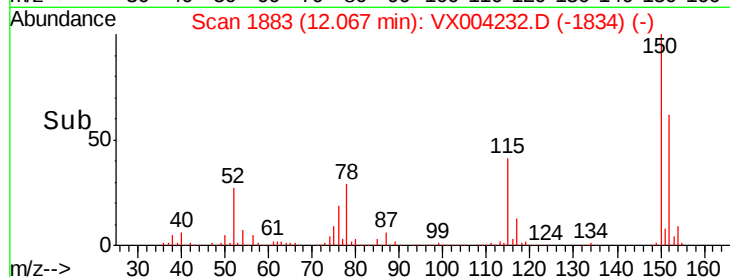
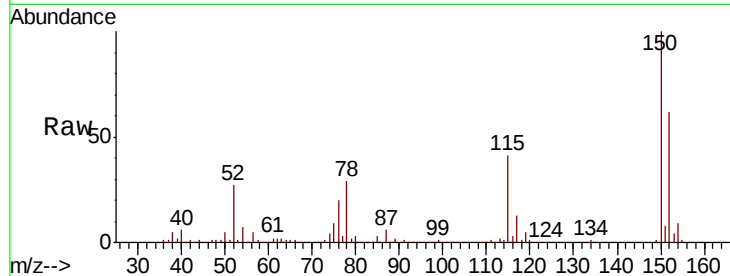
#86
p-Isopropyltoluene
Concen: 0.37 ug/l m
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Instrument :
MSVOA_X
ClientSampleID :
FL-0543DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	6123		
134	51.1	13.4	40.2#	
91	37.9	10.9	32.7#	

Manual Integrations
APPROVED

MMDadoda
8/24/2018 11:35:53 AM



#95
Naphthalene
Concen: 3.30 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004232.D
Acq: 23 Aug 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	60959		
127	13.0	10.2	15.2	
129	10.9	8.6	12.8	

