

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010843.D
 Acq On : 12 Jul 2019 18:00
 Operator : JC/SP
 Sample : K3786-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0587

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:57 AM

Quant Time: Jul 13 04:24:38 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	5.66	168	209566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146437	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109323	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
35) Dibromofluoromethane	5.50	113	100770	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	8.71	98	395577	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	139239	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	20444	7.203	ug/l #	94
39) Methylcyclohexane	7.46	83	20408	5.852	ug/l	97
40) Benzene	6.15	78	12377	1.497	ug/l	100
67) Ethyl Benzene	10.25	91	319864	30.615	ug/l	100
68) m/p-Xylenes	10.36	106	23721	5.859	ug/l	94
69) o-Xylene	10.70	106	1706	0.429	ug/l	95
73) Isopropylbenzene	11.02	105	115497	11.635	ug/l	99
78) n-propylbenzene	11.36	91	159572	14.626	ug/l	100
83) tert-Butylbenzene	11.77	119	2210	0.269	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	30750	3.740	ug/l	99
85) sec-Butylbenzene	11.94	105	36914	3.828	ug/l	85
86) p-Isopropyltoluene	12.06	119	14509	1.627	ug/l	90
89) n-Butylbenzene	12.38	91	7662m	1.011	ug/l	
95) Naphthalene	13.83	128	71981	7.024	ug/l	98

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

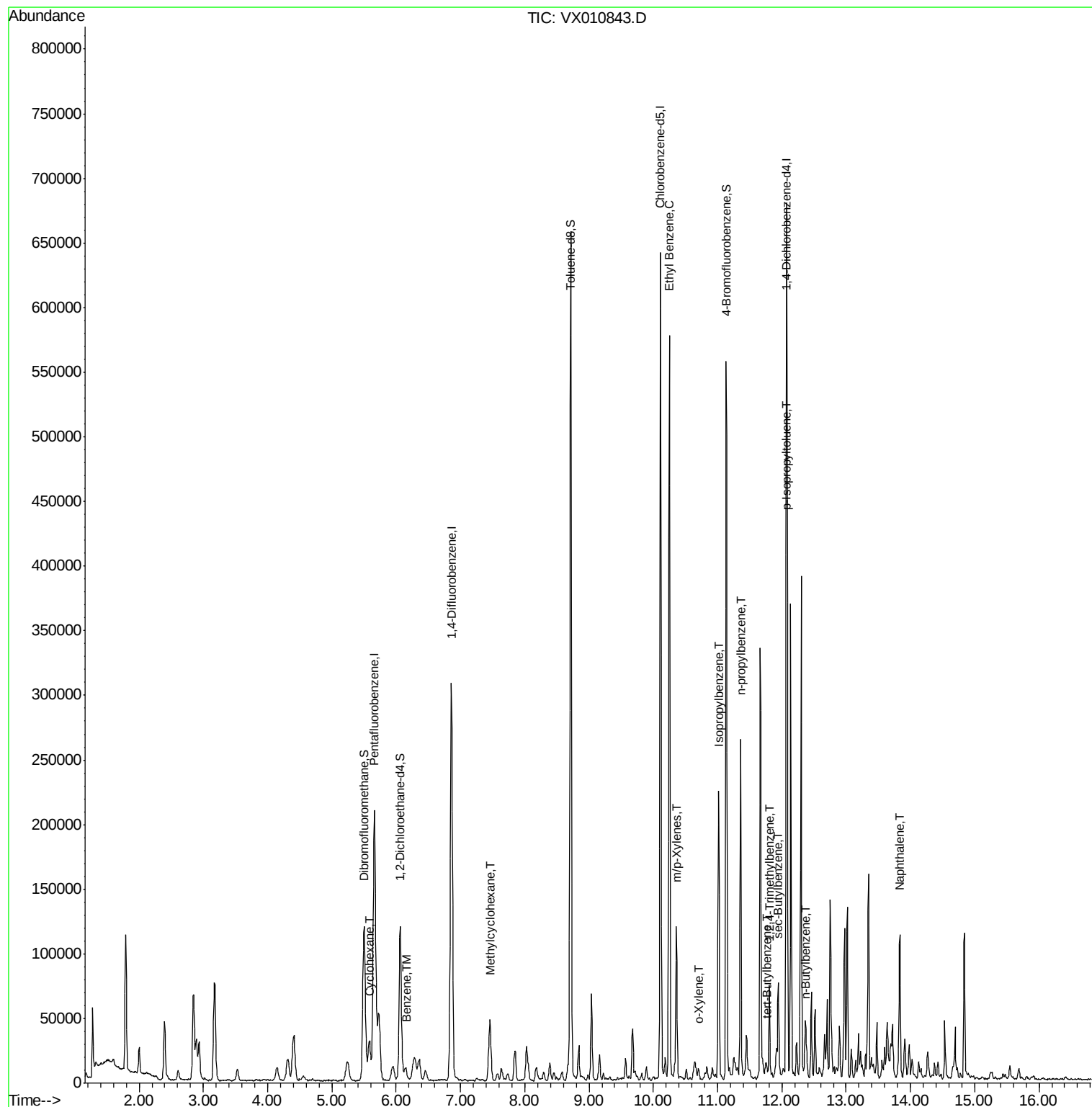
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010843.D
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Operator : JC/SP
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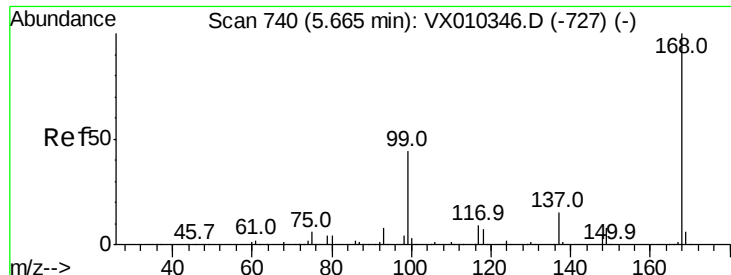
Instrument :
MSVOA_X
ClientSampleId :
FL-0587

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Quant Time: Jul 13 04:24:38 2019
Quant Method : Z:\V0ASRV\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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0587

Tot Ion:168 Resp: 209566

Ion Ratio Lower Upper

168 100

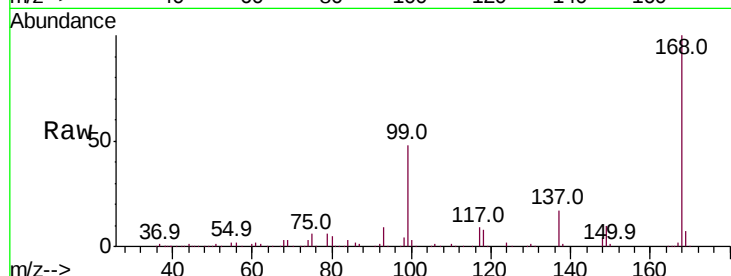
99 48.3 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

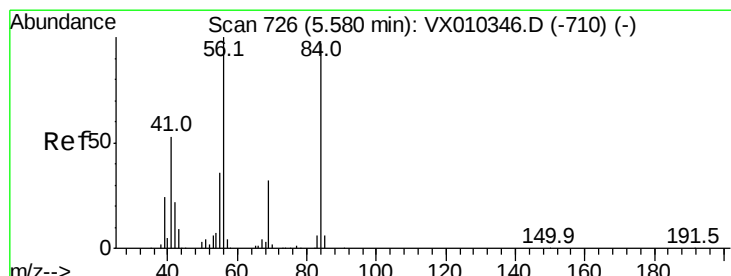
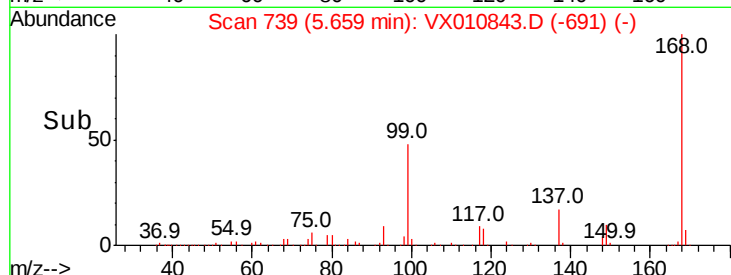
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 7.203 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

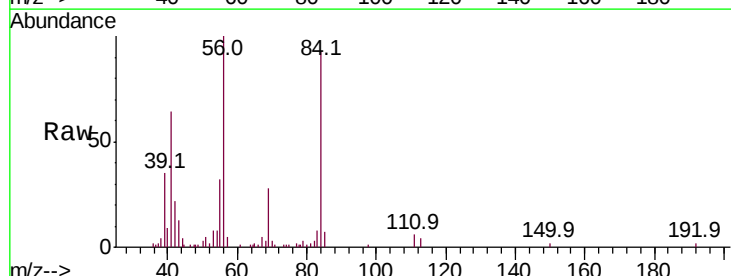
Tgt Ion: 56 Resp: 20444

Ion Ratio Lower Upper

56 100

69 25.5 25.9 38.9#

84 93.4 78.0 117.0



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

12000

10000

8000

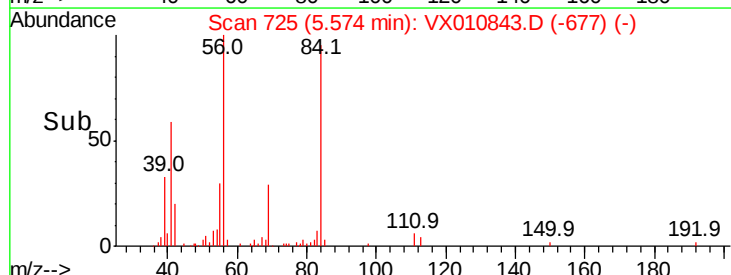
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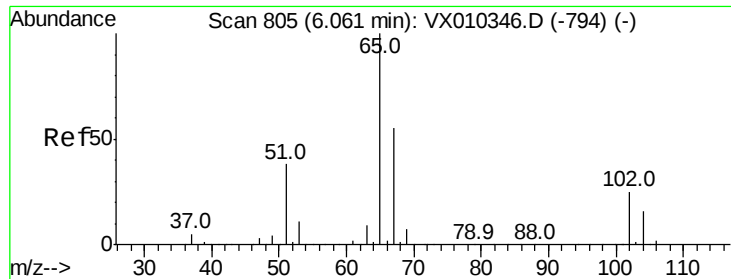
4000

2000

0

Time--> 5.50 5.60





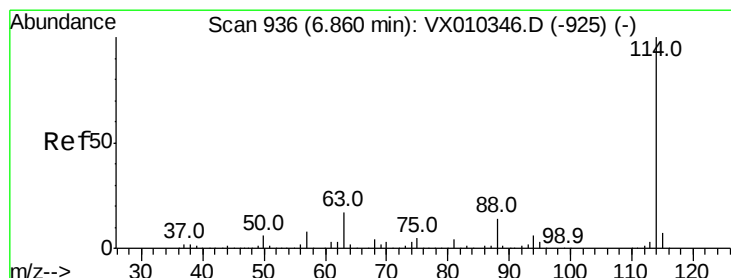
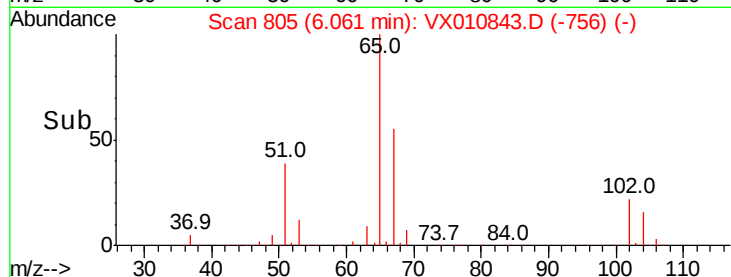
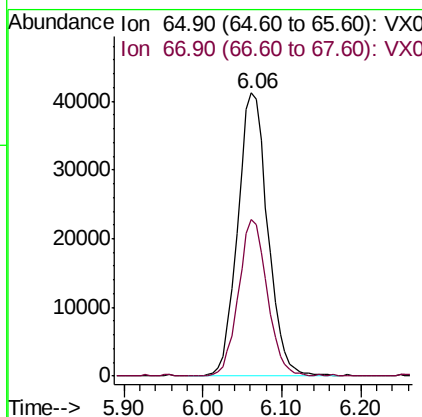
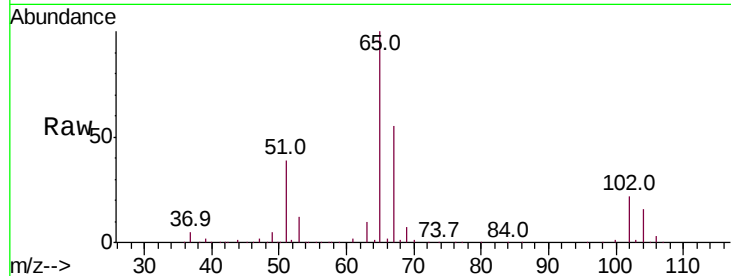
#33
 1,2-Dichloroethane-d4
 Concen: 55.638 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010843.D
 Acq: 12 Jul 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0587

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	110.2

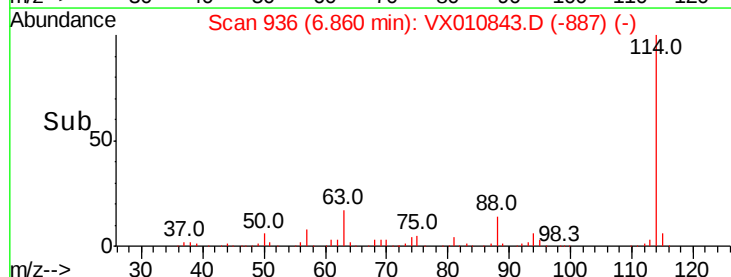
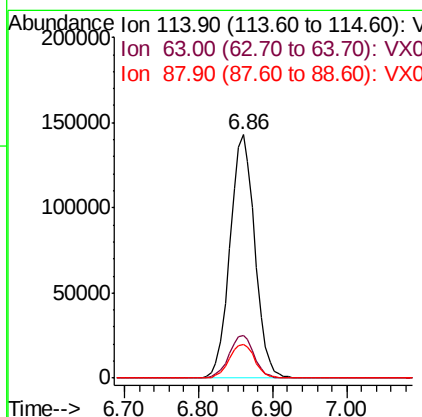
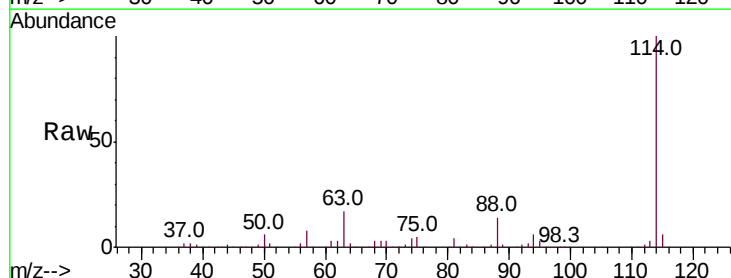
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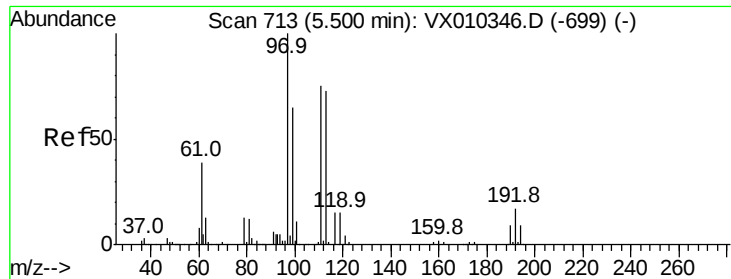
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010843.D
 Acq: 12 Jul 2019 18:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	33.8
88	13.9	0.0	27.6





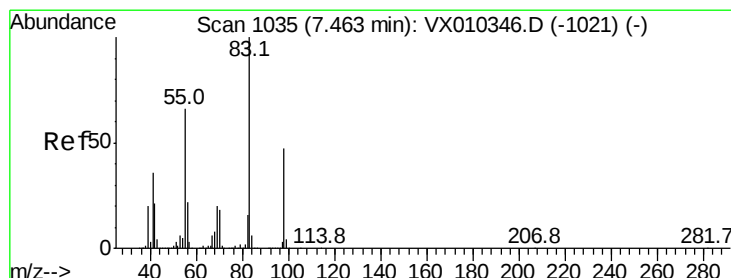
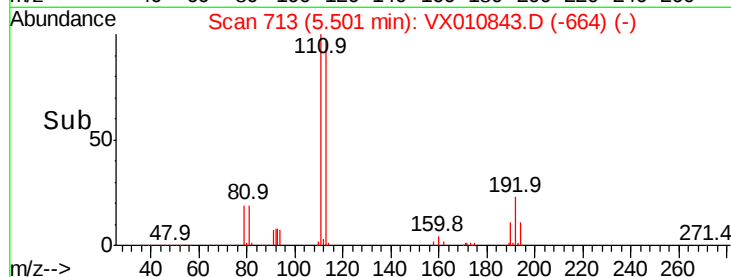
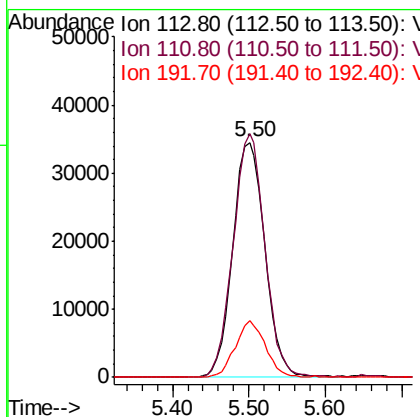
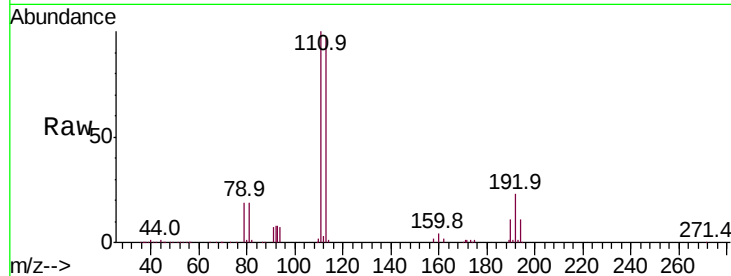
#35
Dibromofluoromethane
Concen: 49.334 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0587

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100770		
111	101.8		81.2	121.8
192	22.5		18.6	27.8

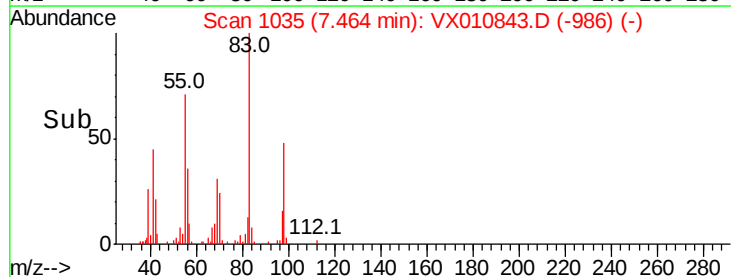
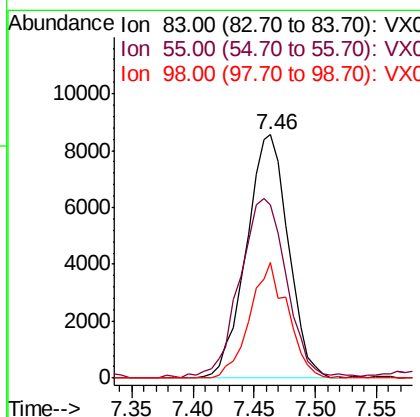
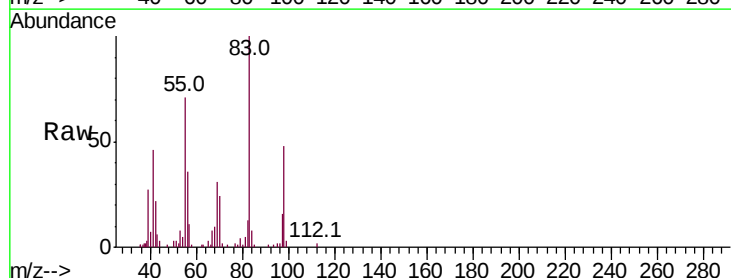
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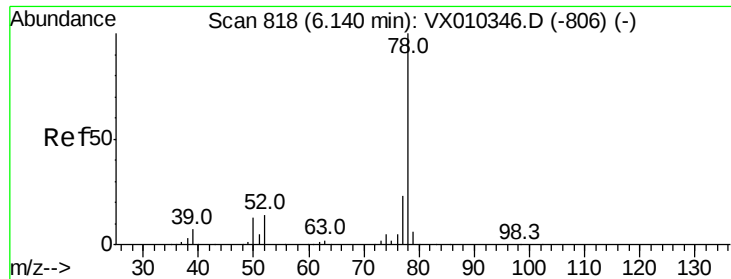
MMDadoda
7/15/2019 11:00:57 AM



#39
Methylcyclohexane
Concen: 5.852 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	20408		
55	69.5		53.0	79.6
98	47.6		37.8	56.8





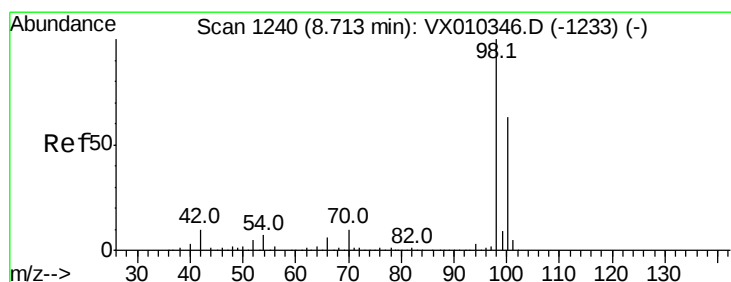
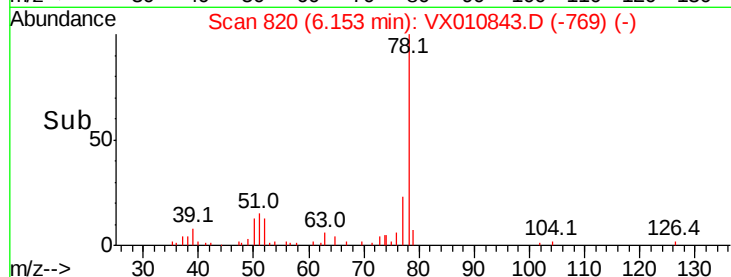
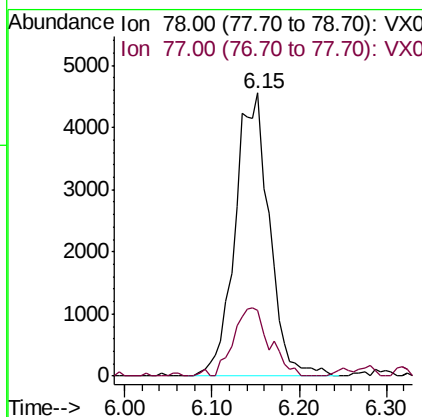
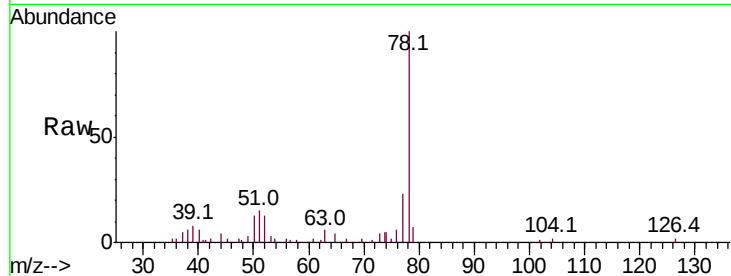
#40
Benzene
Concen: 1.497 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0587

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0

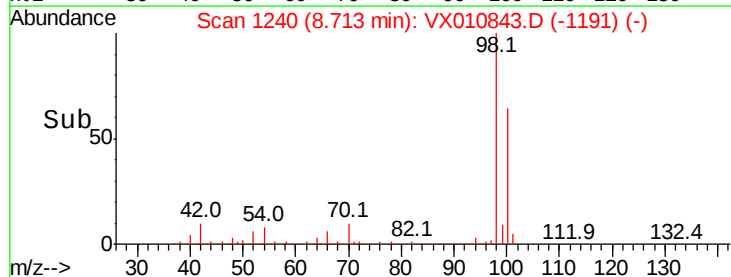
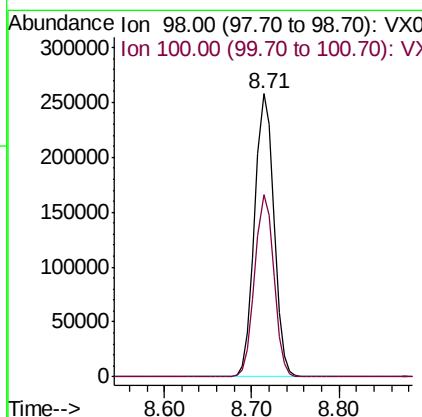
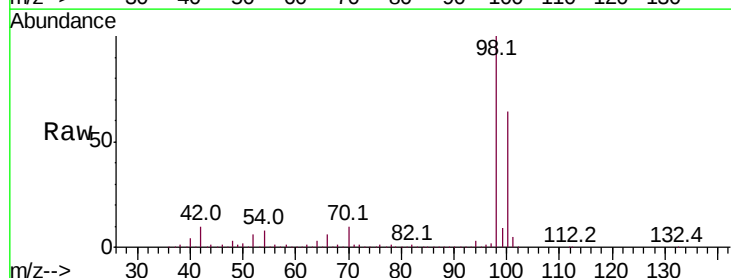
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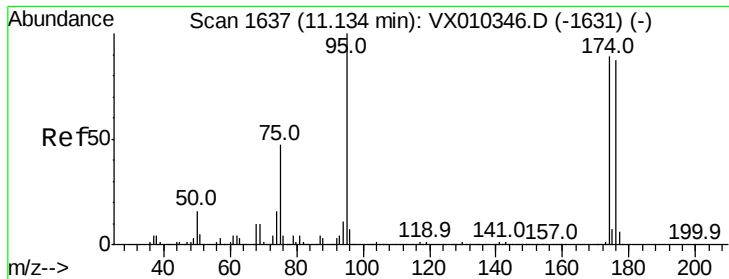
MMDadoda
7/15/2019 11:00:57 AM



#50
Toluene-d8
Concen: 50.620 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





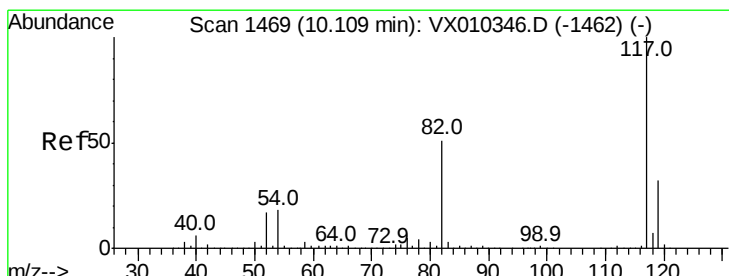
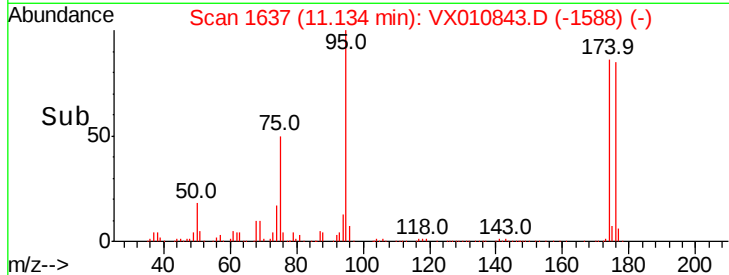
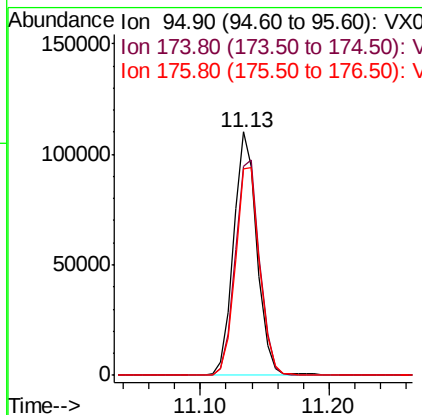
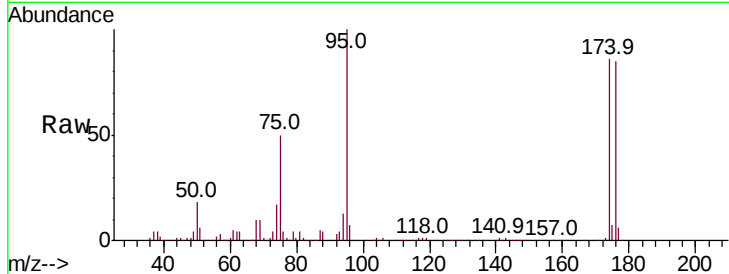
#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Instrument :
MSVOA_X
ClientSampled :
FL-0587

Tot Ion	Ratio	Resp	Lower	Upper
95	100	139239		
174	92.0	0.0	187.6	
176	88.5	0.0	184.0	

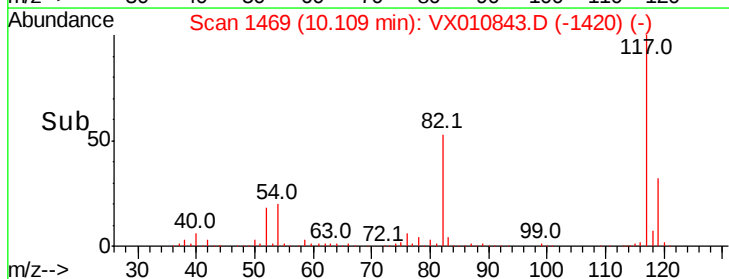
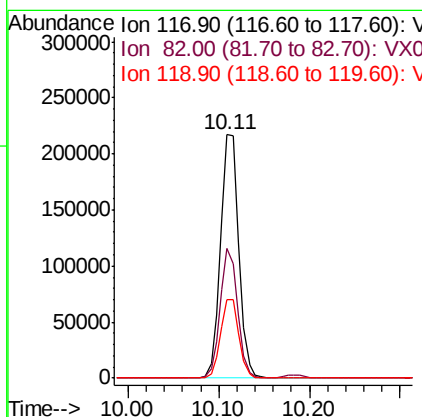
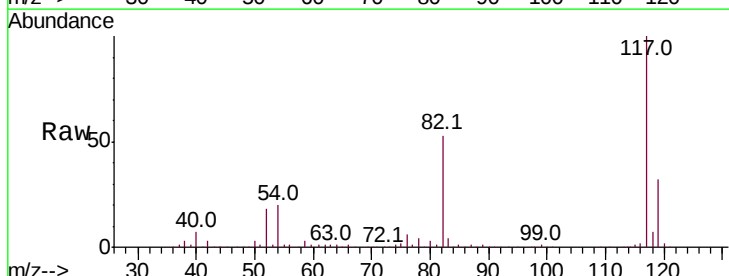
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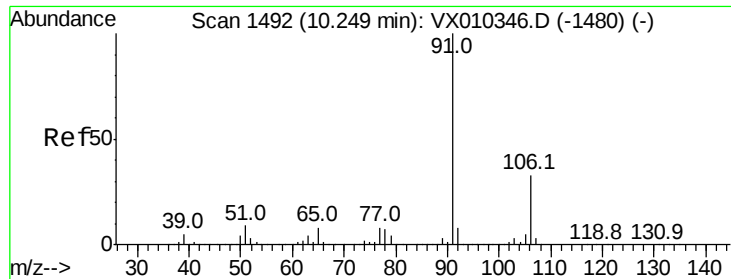
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	304837		
82	53.2	41.2	61.8	
119	32.4	25.5	38.3	





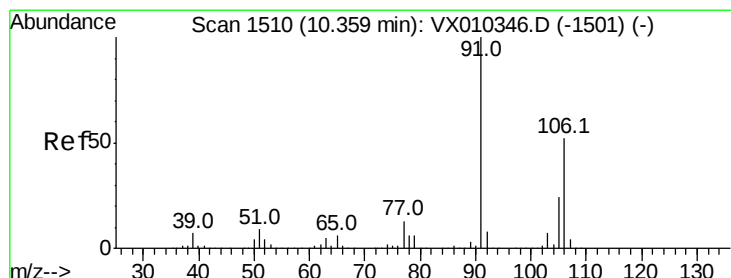
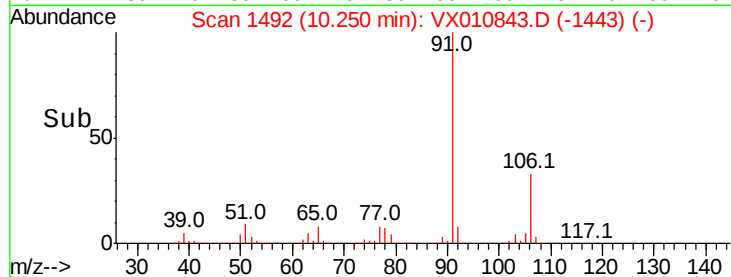
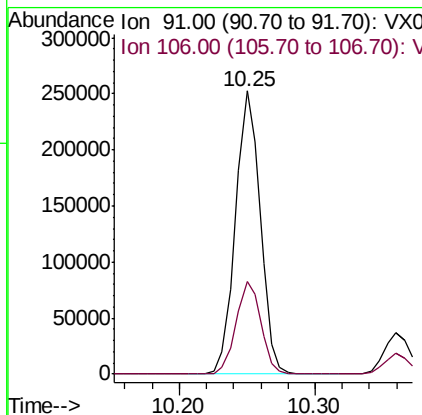
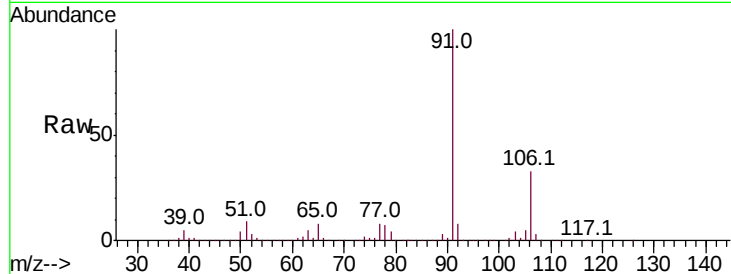
#67
Ethyl Benzene
Concen: 30.615 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Instrument :
MSVOA_X
ClientSampled :
FL-0587

Tot Ion: 91 Resp: 319864
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.2

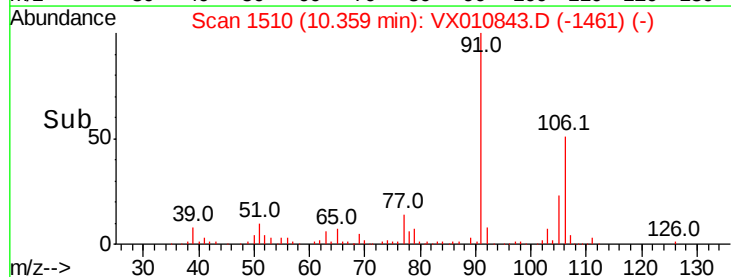
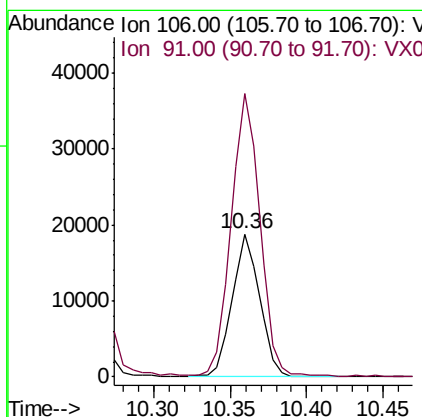
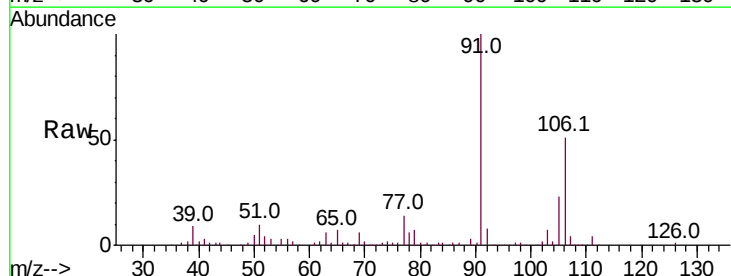
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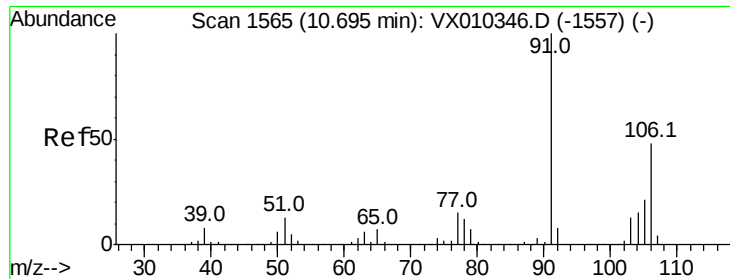
MMDadoda
7/15/2019 11:00:57 AM



#68
m/p-Xylenes
Concen: 5.859 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Tgt Ion: 106 Resp: 23721
Ion Ratio Lower Upper
106 100
91 203.5 155.3 232.9





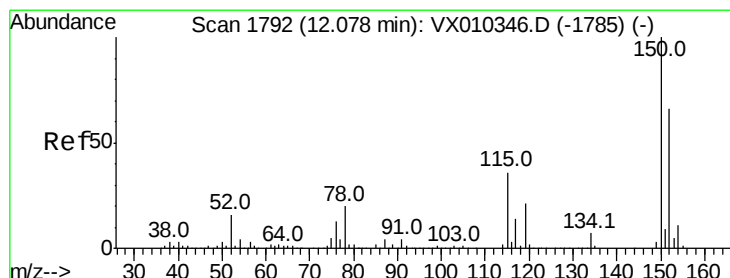
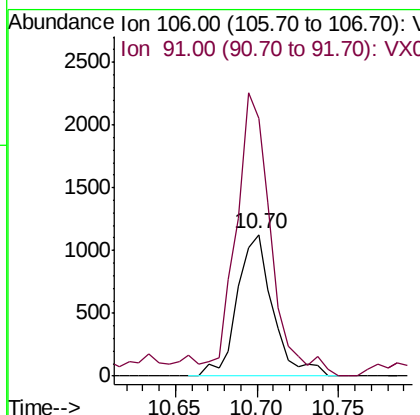
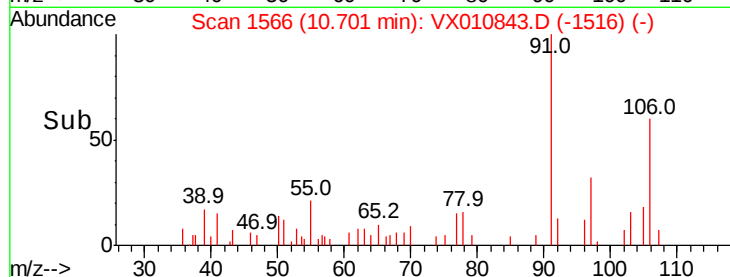
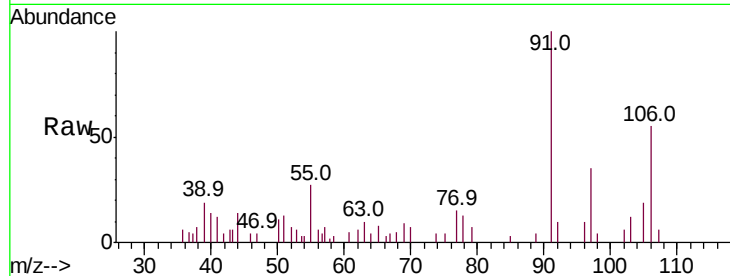
#69
o-Xylene
Concen: 0.429 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Instrument :
MSVOA_X
ClientSampled :
FL-0587

Tot Ion:106 Resp: 1706
Ion Ratio Lower Upper
106 100
91 197.5 102.7 308.1

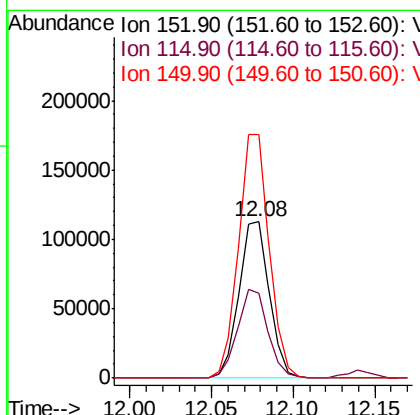
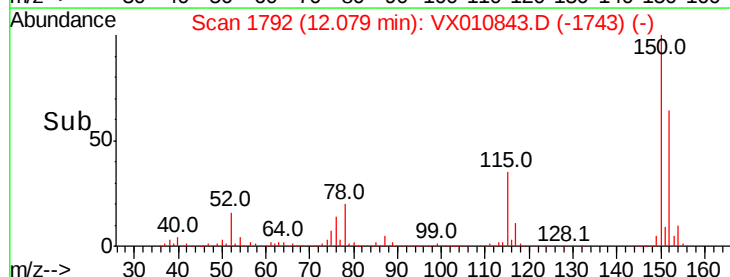
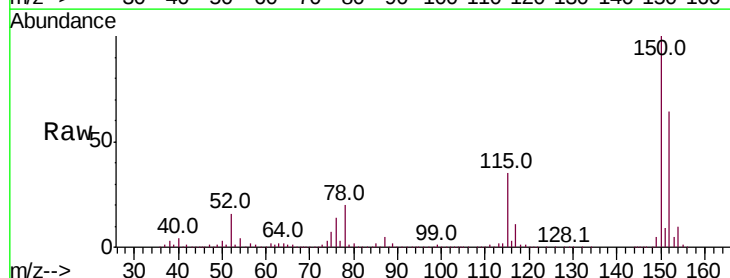
Manual Integrations
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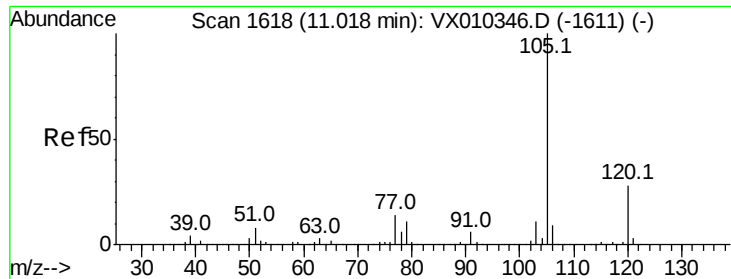
MMDadoda
7/15/2019 11:00:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Tgt Ion:152 Resp: 146437
Ion Ratio Lower Upper
152 100
115 56.2 38.6 115.7
150 156.9 0.0 347.4





#73

Isopropylbenzene

Concen: 11.635 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

Instrument :

MSVOA_X

ClientSampled :

FL-0587

Tot Ion:105 Resp: 115497

Ion Ratio Lower Upper

105 100

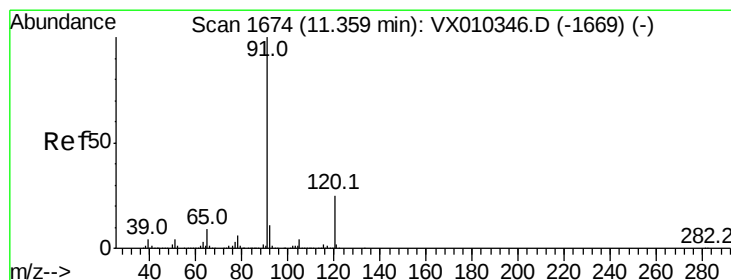
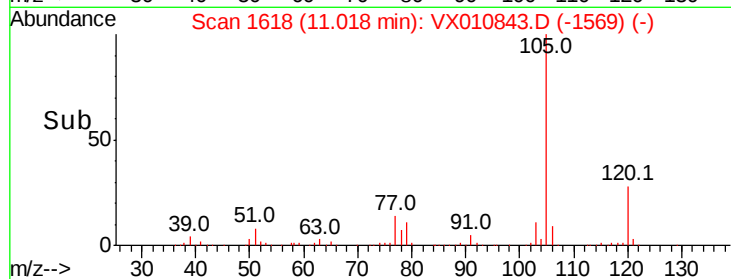
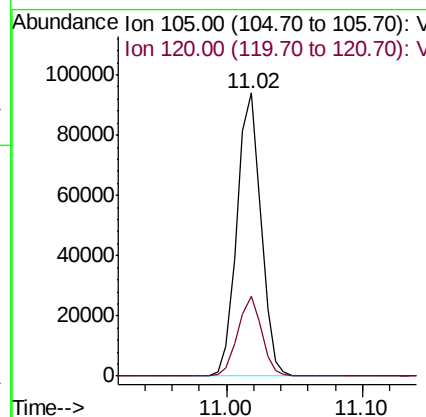
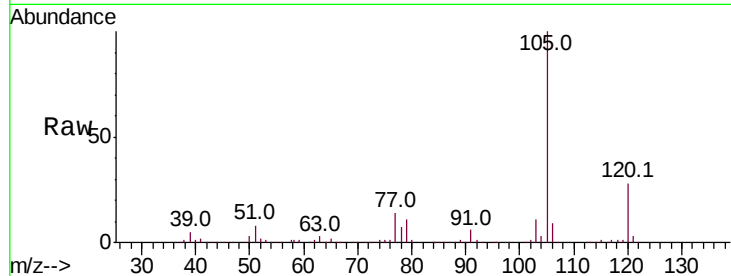
120 28.0 14.1 42.4

Manual Integrations

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#78

n-propylbenzene

Concen: 14.626 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010843.D

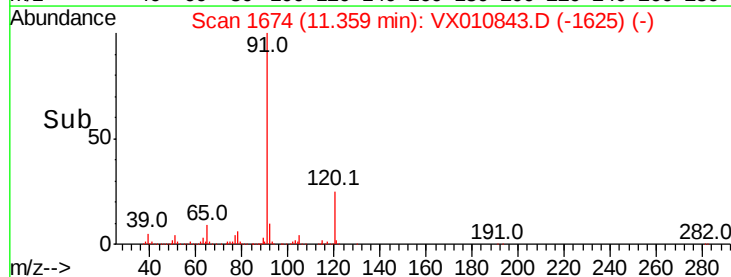
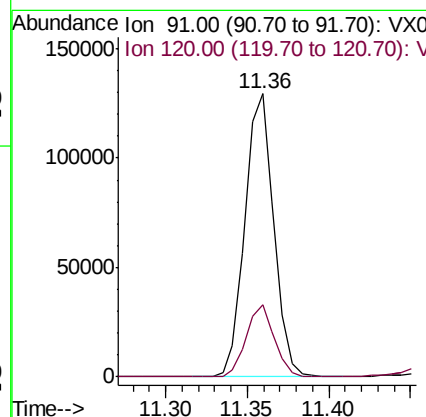
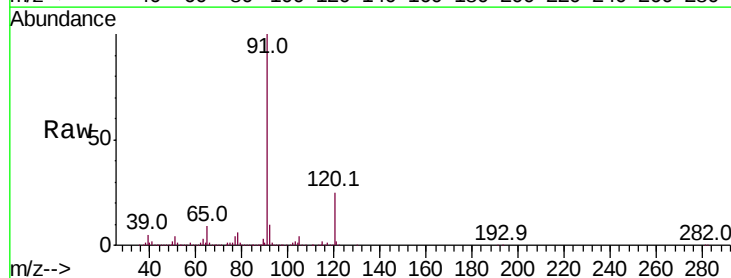
Acq: 12 Jul 2019 18:00

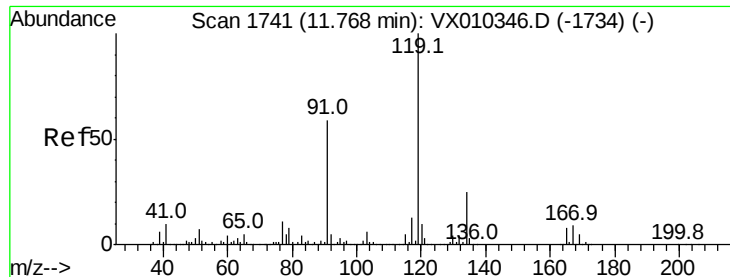
Tgt Ion: 91 Resp: 159572

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4





#83

tert-Butylbenzene

Concen: 0.269 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

Instrument :

MSVOA_X

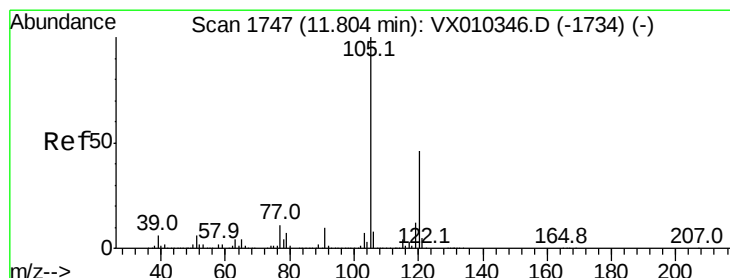
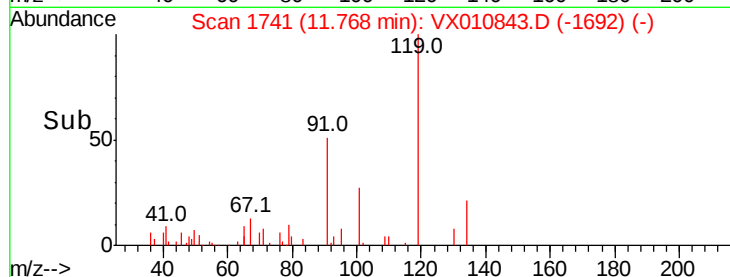
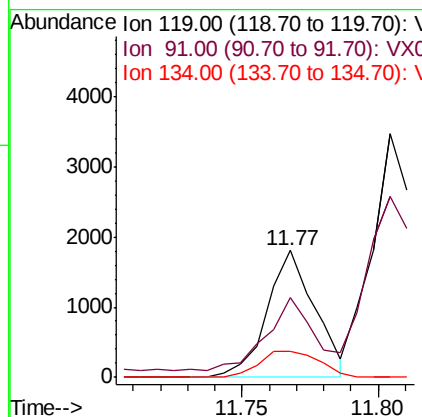
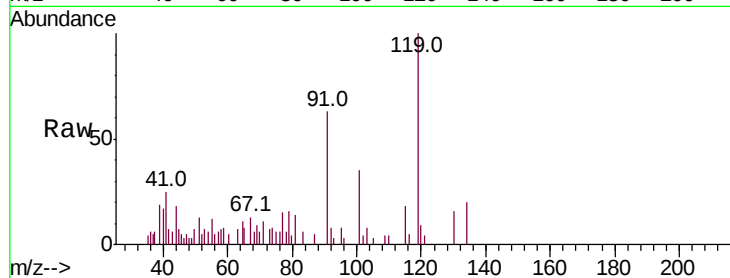
ClientSampled :

FL-0587

Tot Ion:	119	Resp:	2210
Ion	Ratio	Lower	Upper
119	100		
91	68.8	27.6	82.7
134	25.3	11.8	35.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 3.740 ug/l

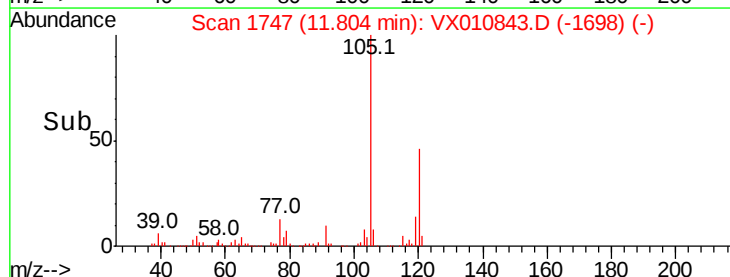
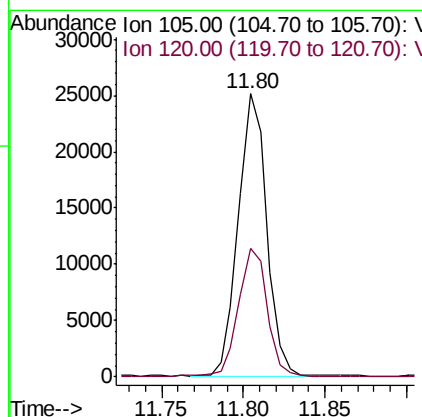
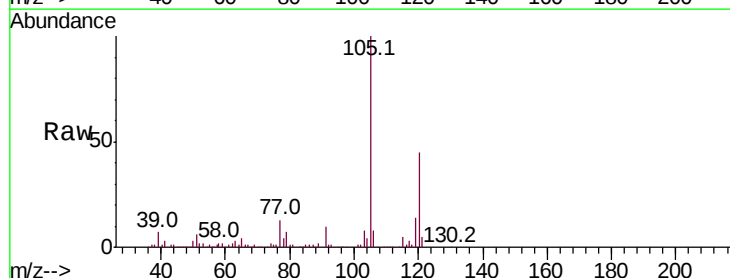
RT: 11.80 min Scan# 1747

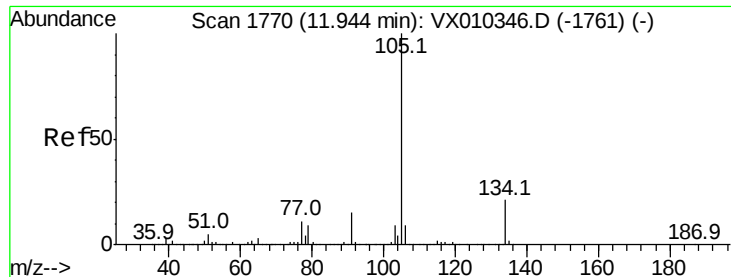
Delta R.T. 0.00 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

Tgt Ion:	105	Resp:	30750
Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 3.828 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0587

Tot Ion:105 Resp: 36914

Ion Ratio Lower Upper

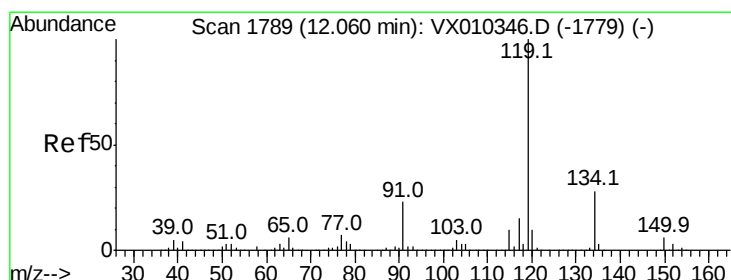
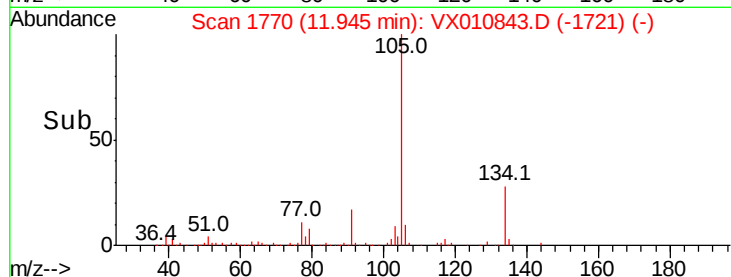
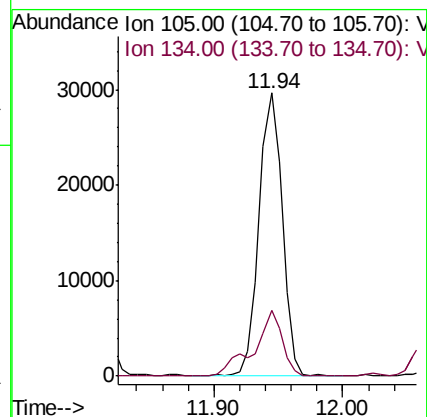
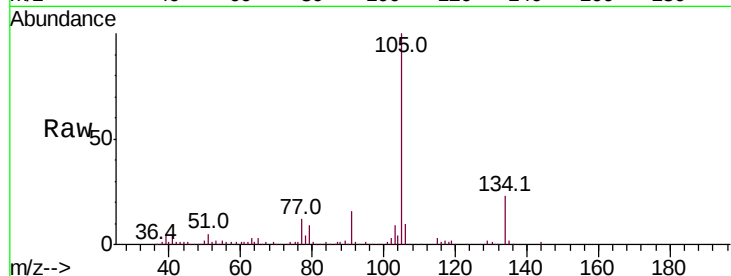
105 100

134 28.2 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 1.627 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010843.D

Acq: 12 Jul 2019 18:00

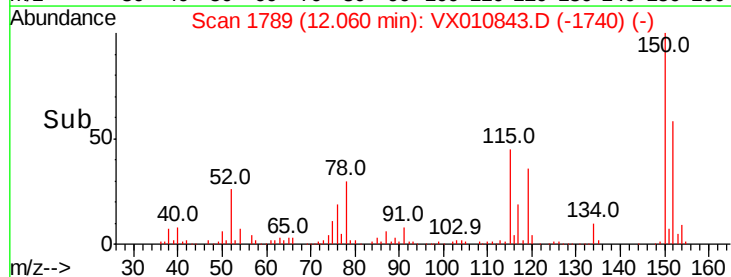
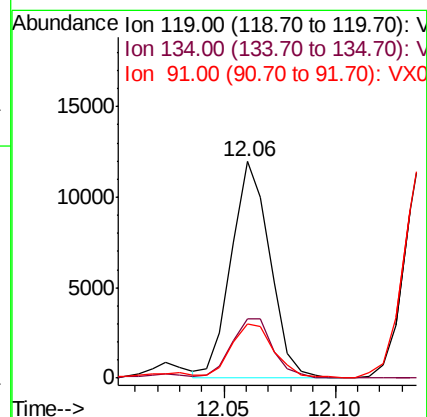
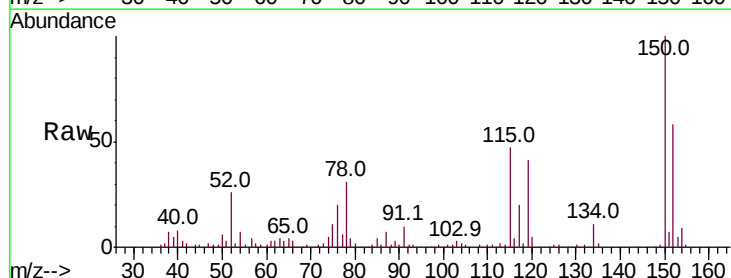
Tgt Ion:119 Resp: 14509

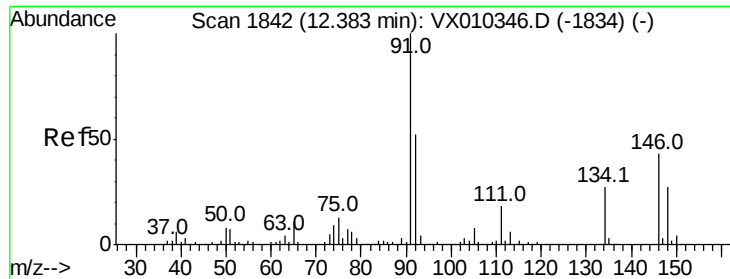
Ion Ratio Lower Upper

119 100

134 29.1 13.7 41.1

91 31.1 11.3 33.8





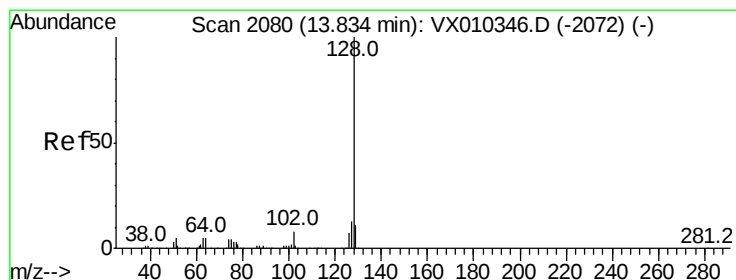
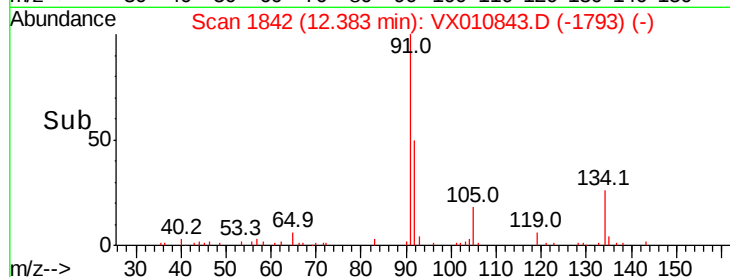
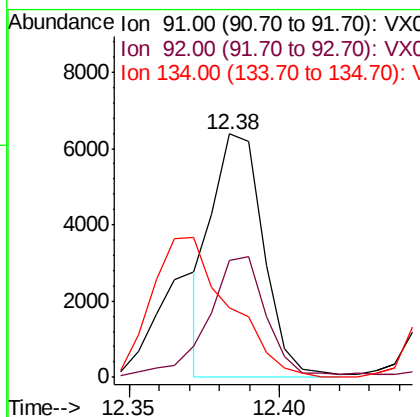
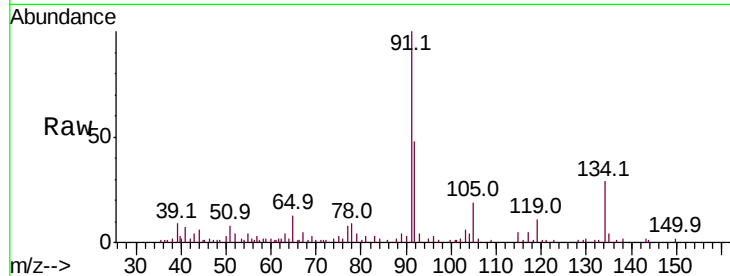
#89
n-Butylbenzene
Concen: 1.011 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Instrument :
MSVOA_X
ClientSampled :
FL-0587

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.2	78.5
134	85.4	14.1	42.4

Manual Integrations
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7/15/2019 11:00:57 AM



#95
Naphthalene
Concen: 7.024 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010843.D
Acq: 12 Jul 2019 18:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.8	8.9	13.3

