

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010838.D
 Acq On : 12 Jul 2019 16:03
 Operator : JC/SP
 Sample : K3786-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0581

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:34 AM

Quant Time: Jul 13 03:58:47 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	209436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156715	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	105077	53.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.02%	
35) Dibromofluoromethane	5.50	113	100136	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
50) Toluene-d8	8.71	98	398468	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.13	95	140756	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	1850	1.880	ug/l	97
31) Cyclohexane	5.58	56	228981	80.729	ug/l	96
39) Methylcyclohexane	7.46	83	248075	72.769	ug/l	97
40) Benzene	6.15	78	33625	4.162	ug/l	99
67) Ethyl Benzene	10.25	91	1255521	119.723	ug/l	99
68) m/p-Xylenes	10.36	106	1282110	315.526	ug/l	98
69) o-Xylene	10.70	106	22498	5.630	ug/l	100
73) Isopropylbenzene	11.02	105	131097	12.340	ug/l	99
78) n-propylbenzene	11.36	91	164734	14.109	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	435373	49.713	ug/l	99
83) tert-Butylbenzene	11.77	119	3513m	0.400	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	1523564	173.157	ug/l	99
85) sec-Butylbenzene	11.94	105	20796m	2.015	ug/l	
86) p-Isopropyltoluene	12.06	119	44921	4.706	ug/l	99
95) Naphthalene	13.83	128	310963	28.354	ug/l	99

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

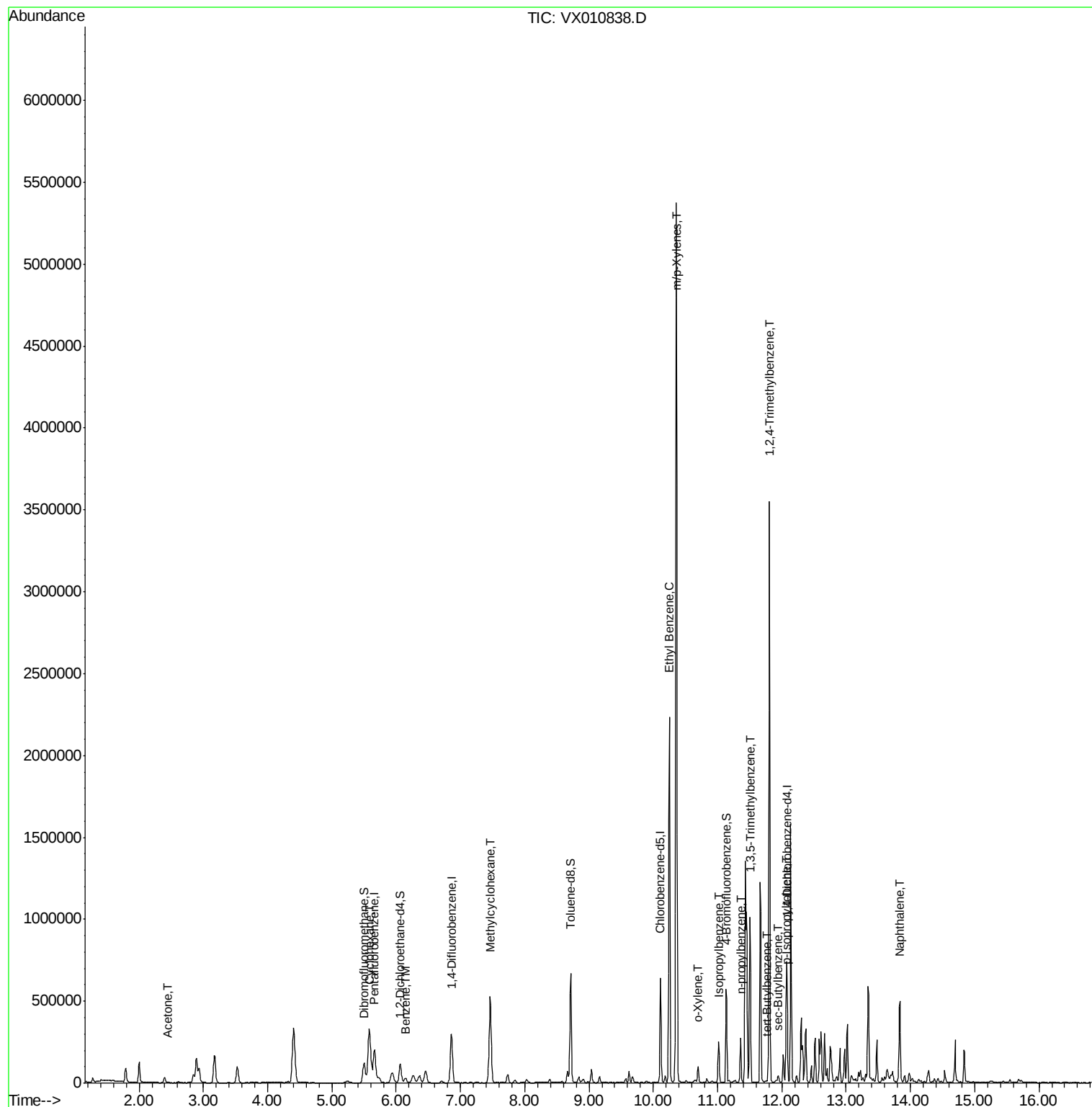
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010838.D
Acq On : 12 Jul 2019 16:03
Operator : JC/SP
Sample : K3786-01
Misc : 5.0mL/MSVOA X/WATER
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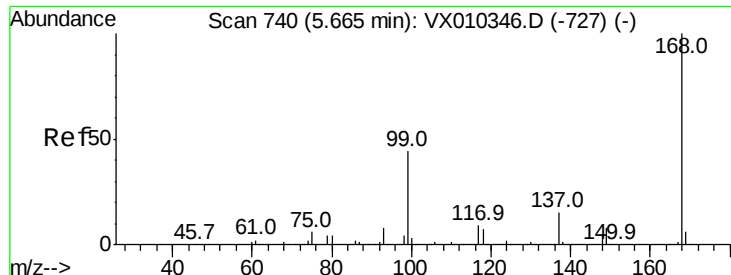
Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Manual Integrations
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7/15/2019 11:00:34 AM

Quant Time: Jul 13 03:58:47 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

FL-0581

Tot Ion:168 Resp: 209436

Ion Ratio Lower Upper

168 100

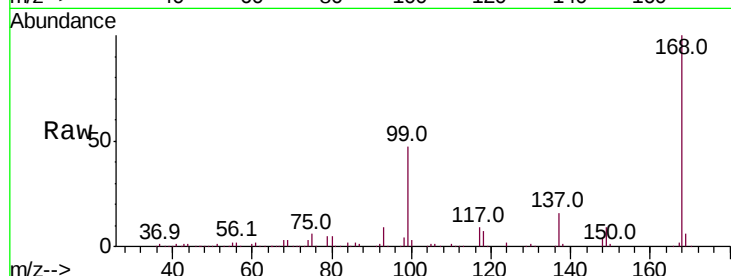
99 46.5 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

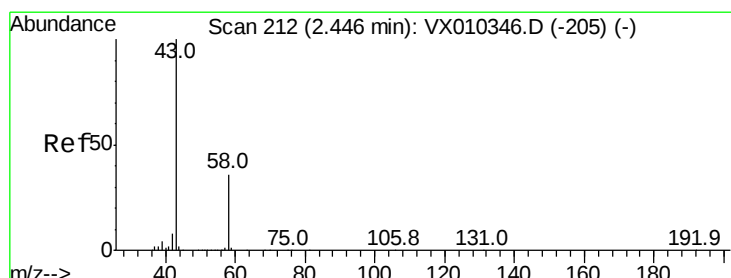
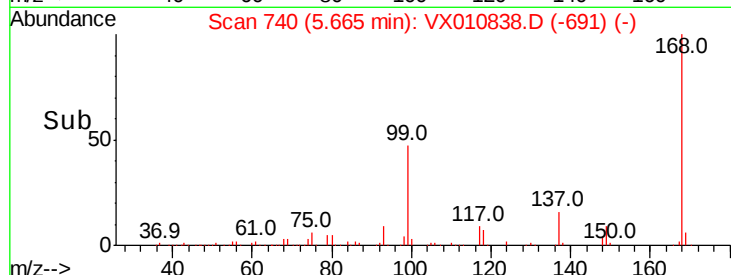
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.880 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010838.D

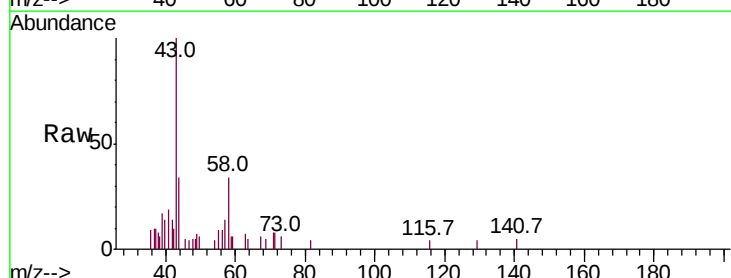
Acq: 12 Jul 2019 16:03

Tgt Ion: 43 Resp: 1850

Ion Ratio Lower Upper

43 100

58 34.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

3000

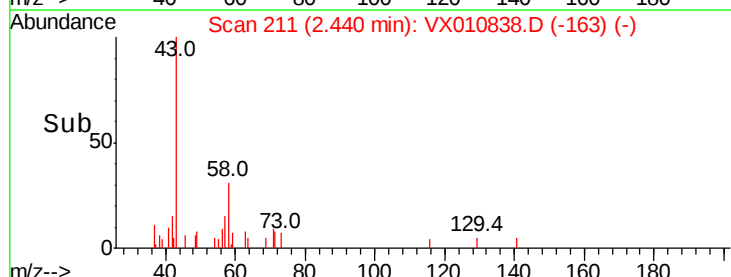
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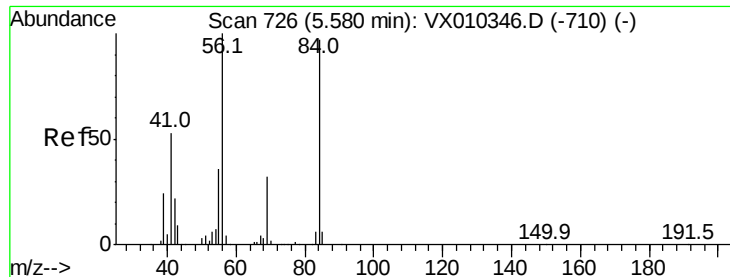
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Time-->

2.45 2.50





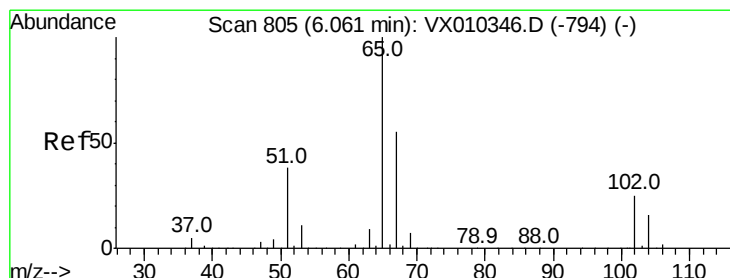
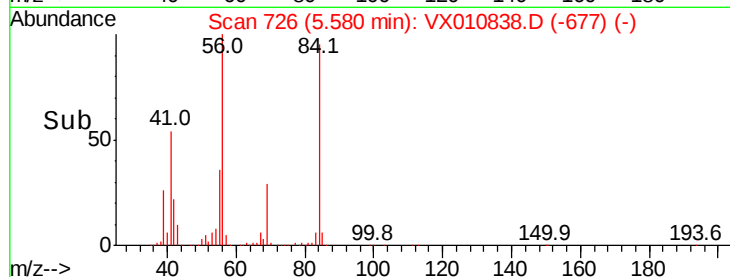
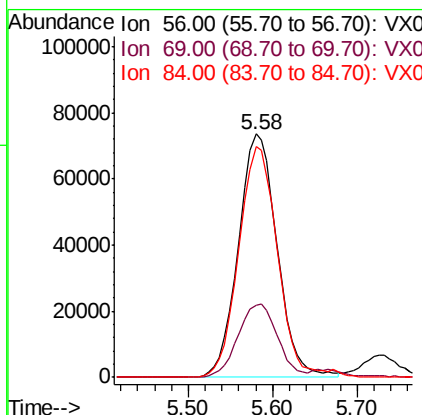
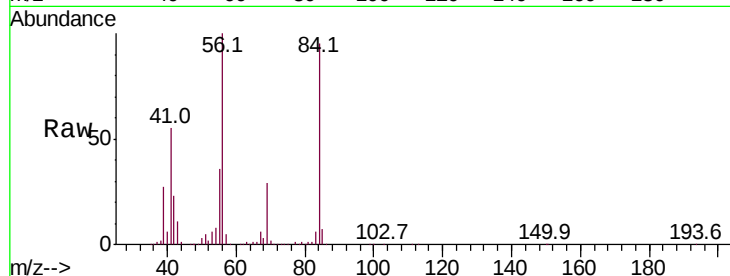
#31
Cyclohexane
Concen: 80.729 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
FL-0581

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	25.9	38.9
84	94.8	78.0	117.0

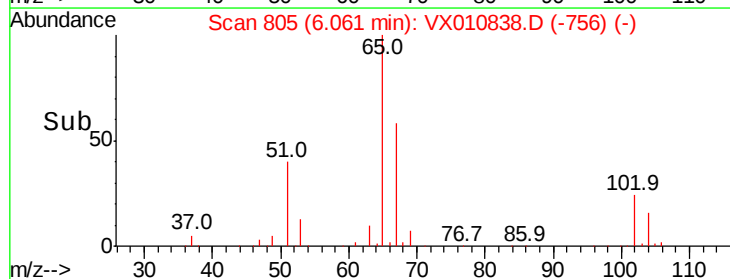
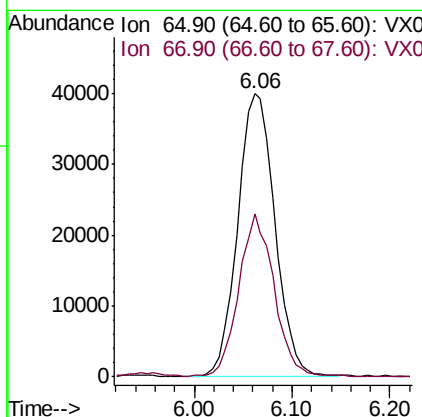
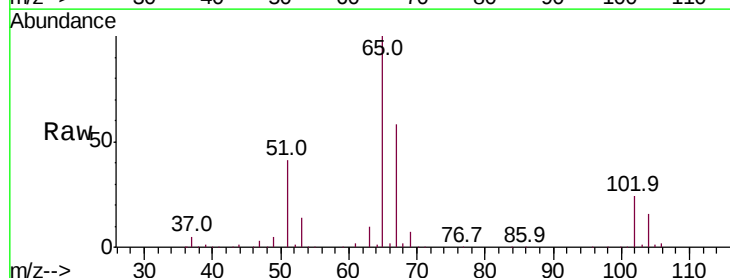
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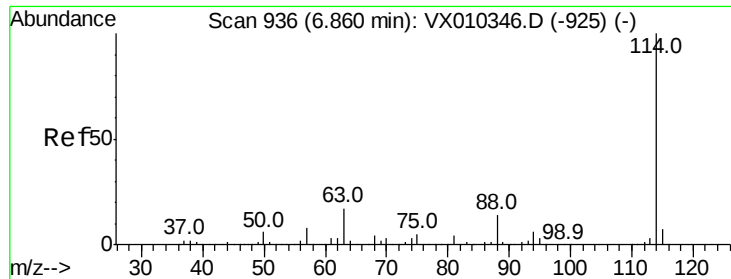
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#33
1,2-Dichloroethane-d4
Concen: 53.510 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	110.2





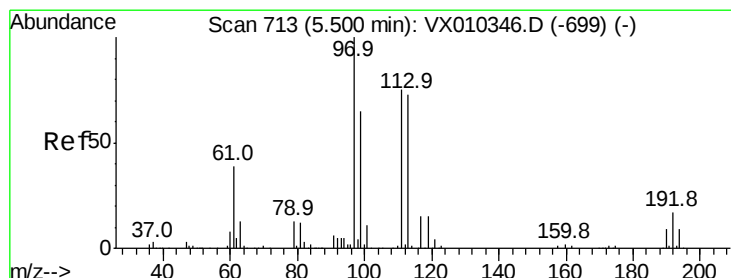
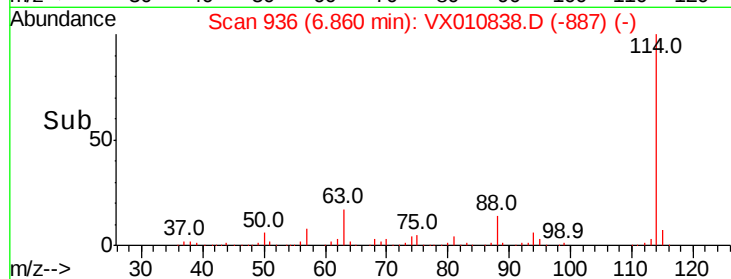
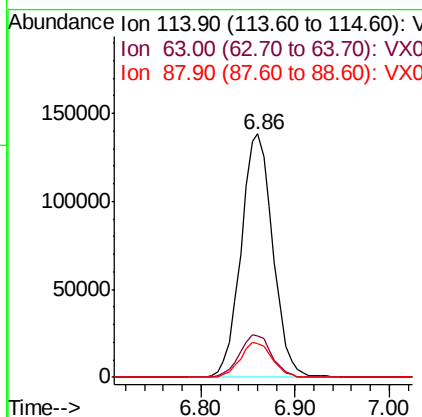
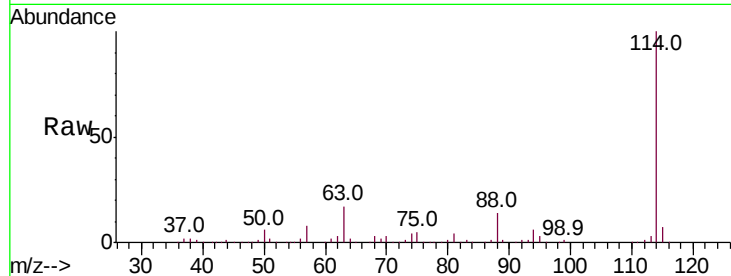
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	16.7	0.0	33.8
88	13.9	0.0	27.6

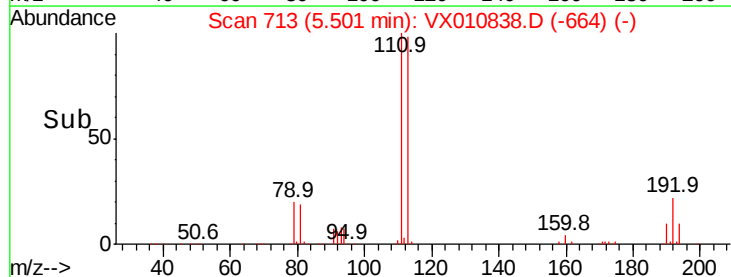
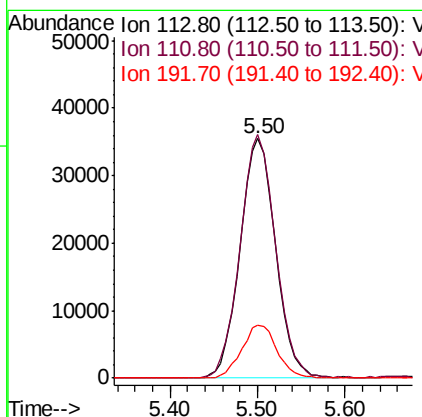
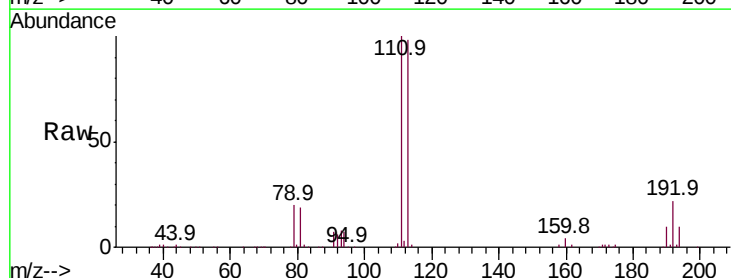
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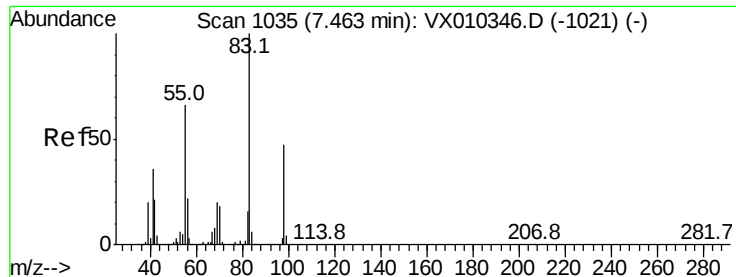
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#35
Dibromofluoromethane
Concen: 50.147 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.0	81.2	121.8
192	22.1	18.6	27.8





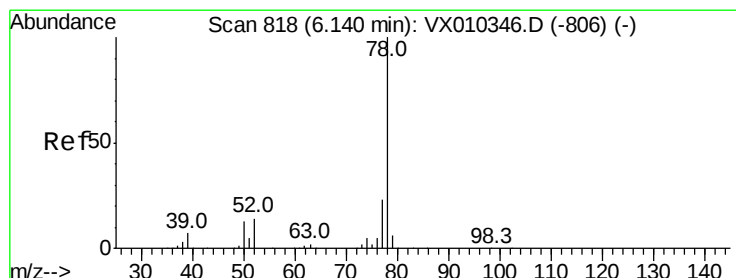
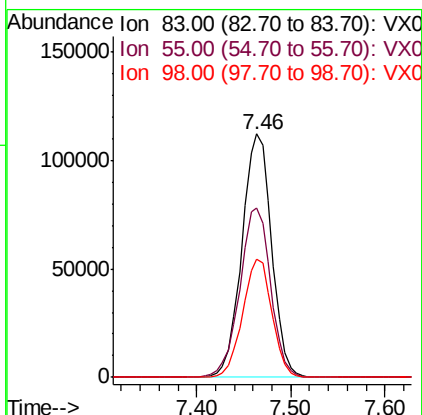
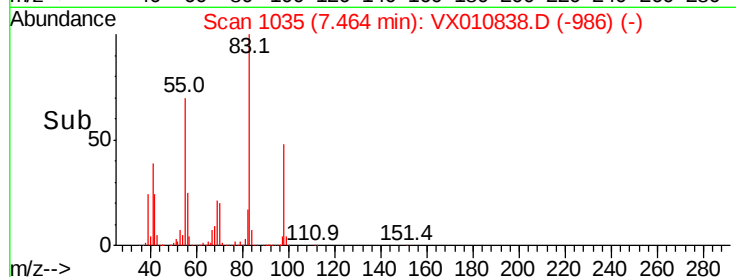
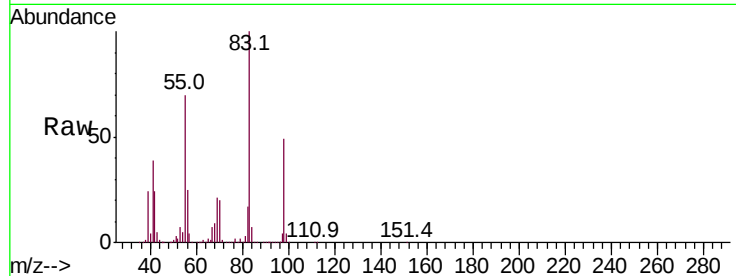
#39
Methvlcvclohexane
Concen: 72.769 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
FL-0581

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248075		
55	69.5	53.0	79.6	
98	48.5	37.8	56.8	

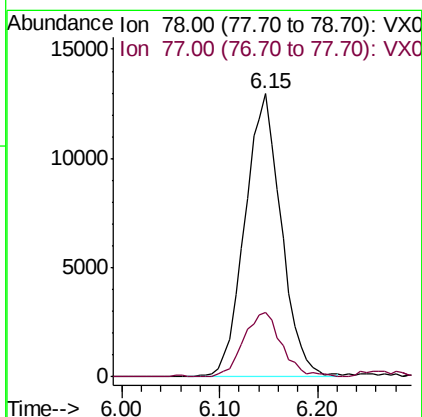
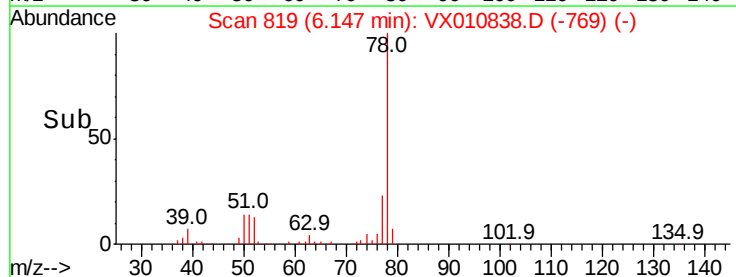
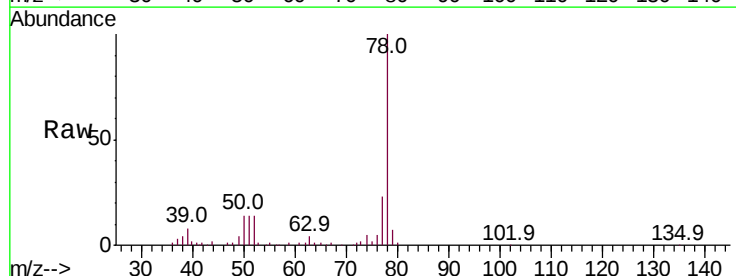
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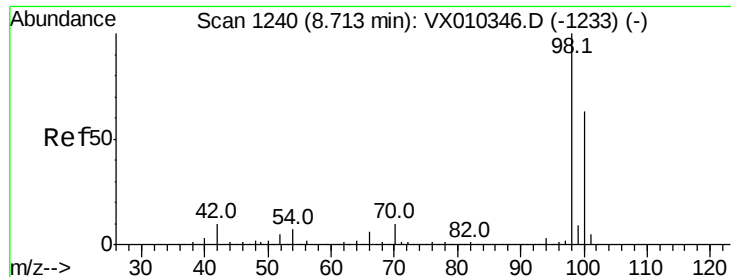
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7/15/2019 11:00:34 AM



#40
Benzene
Concen: 4.162 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	33625		
77	22.9	18.6	28.0	





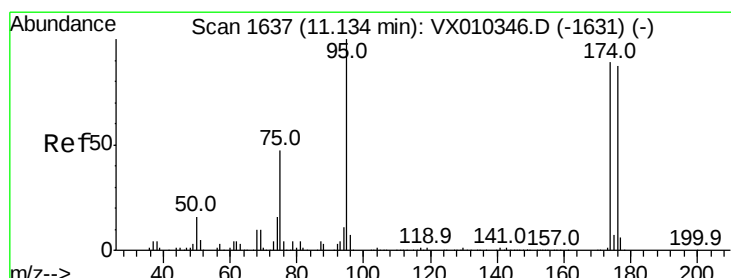
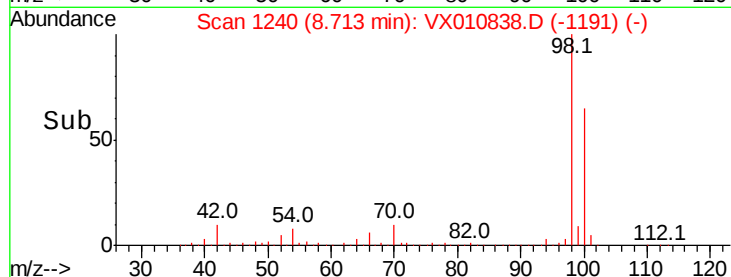
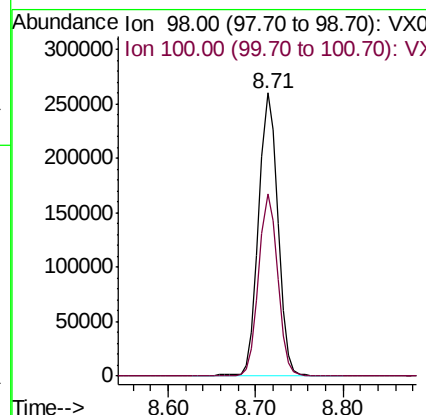
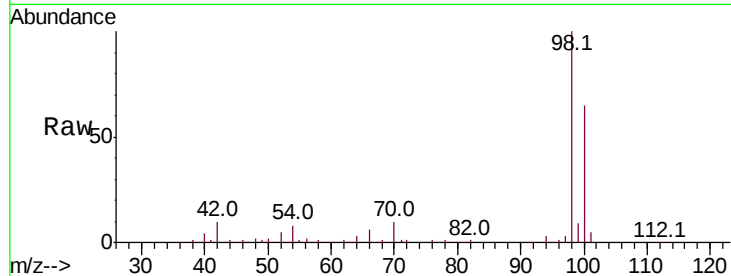
#50
Toluene-d8
Concen: 52.159 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion	98	100	Ratio	Lower	Upper
98	100				
100	63.4		51.6	77.4	

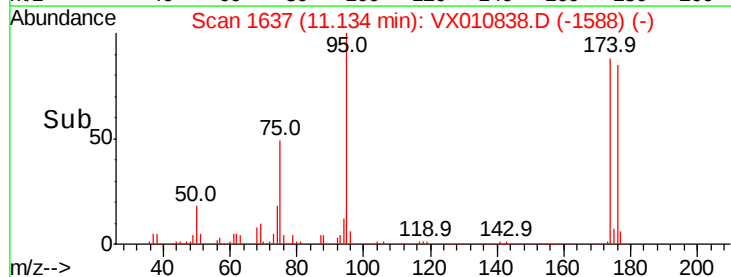
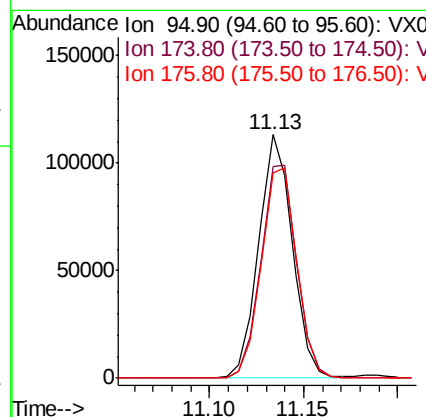
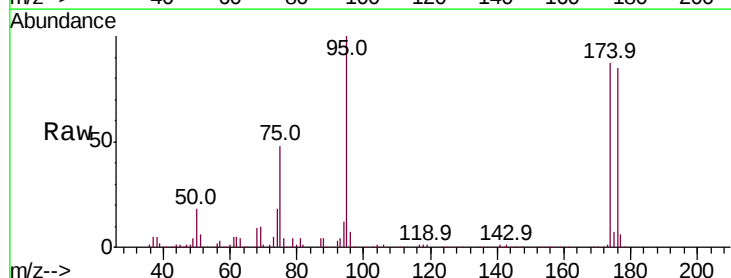
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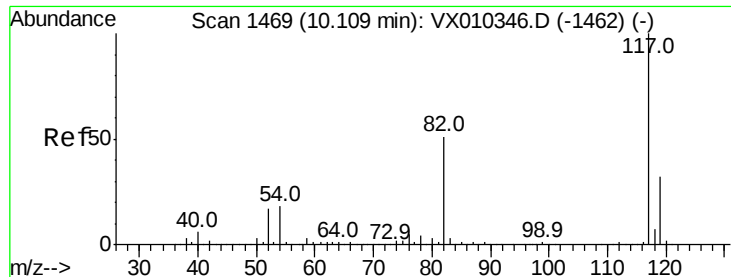
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7/15/2019 11:00:34 AM



#62
4-Bromofluorobenzene
Concen: 51.034 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion	95	174	176	Ratio	Lower	Upper
95	100					
174	93.0			0.0	187.6	
176	91.0			0.0	184.0	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

FL-0581

Tot Ion:117 Resp: 305971

Ion Ratio Lower Upper

117 100

82 52.1 41.2 61.8

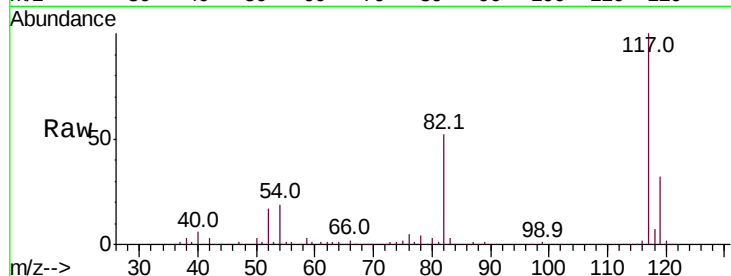
119 32.0 25.5 38.3

Manual Integrations

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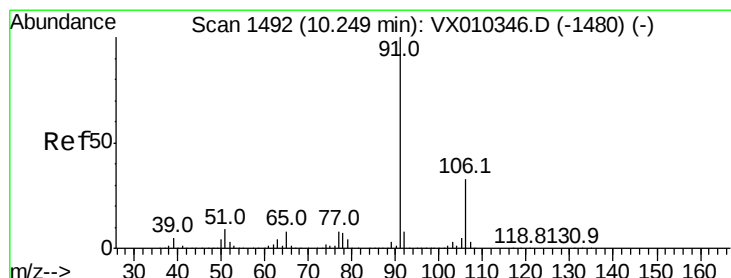
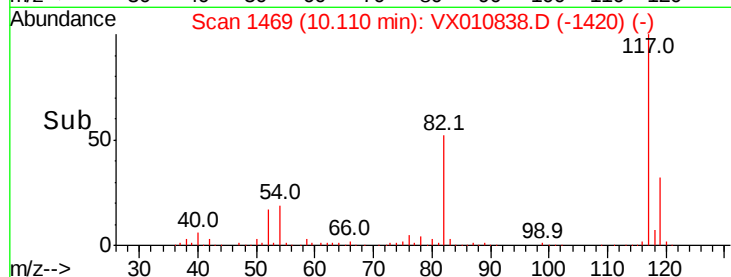
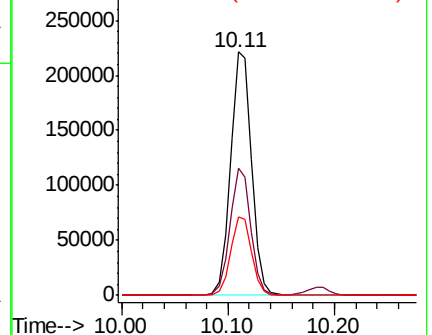
7/15/2019 11:00:34 AM



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: 119.723 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010838.D

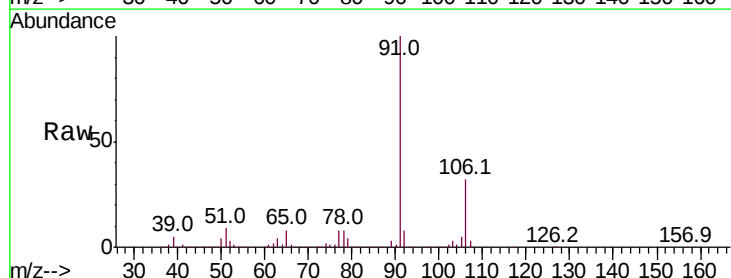
Acq: 12 Jul 2019 16:03

Tgt Ion: 91 Resp: 1255521

Ion Ratio Lower Upper

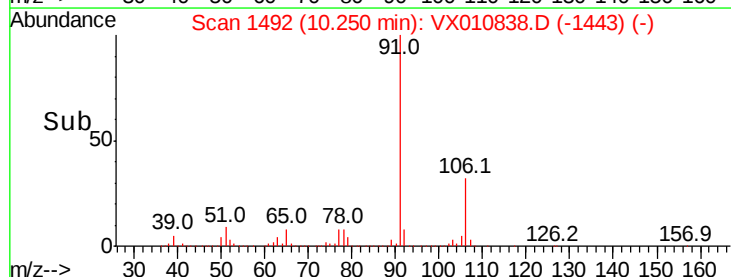
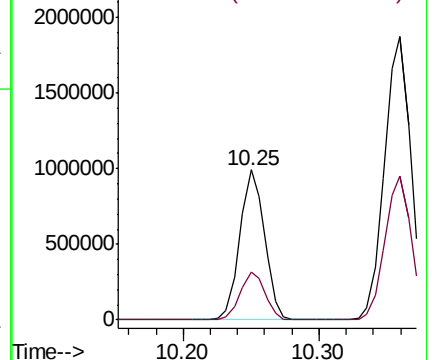
91 100

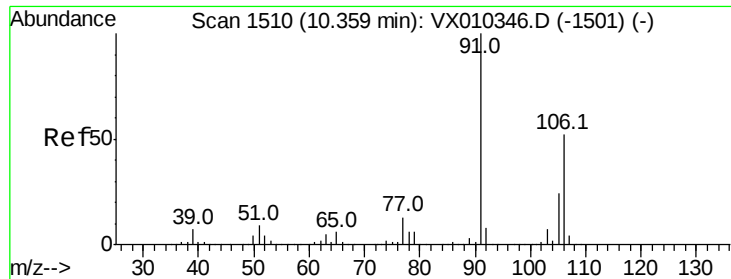
106 32.2 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





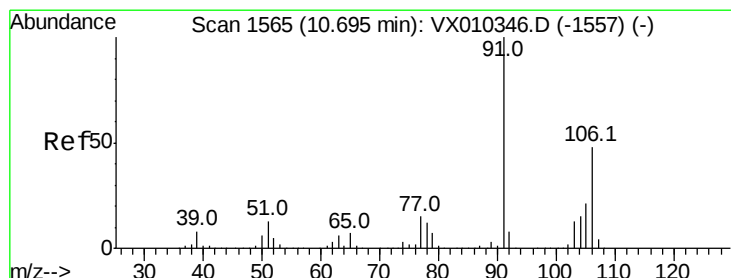
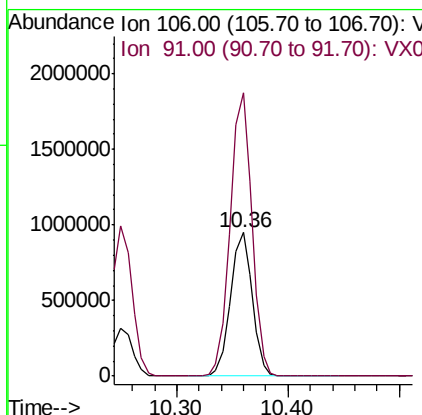
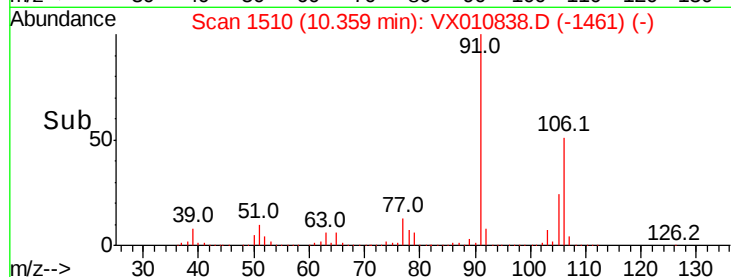
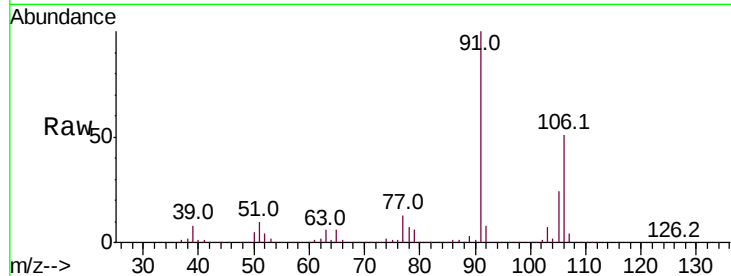
#68
m/p-Xylenes
Concen: 315.526 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion:106 Resp: 1282110
Ion Ratio Lower Upper
106 100
91 196.8 155.3 232.9

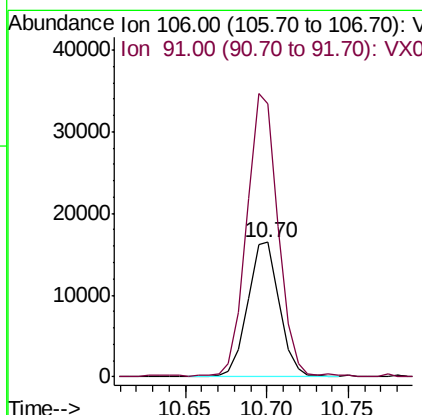
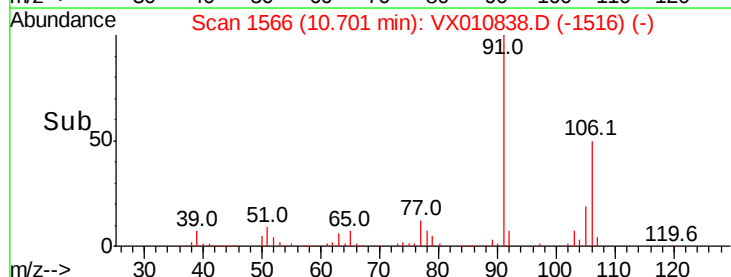
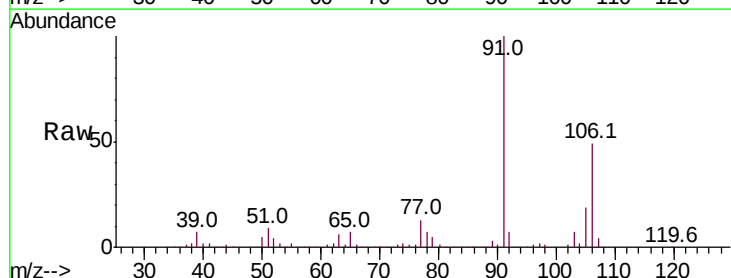
Manual Integrations
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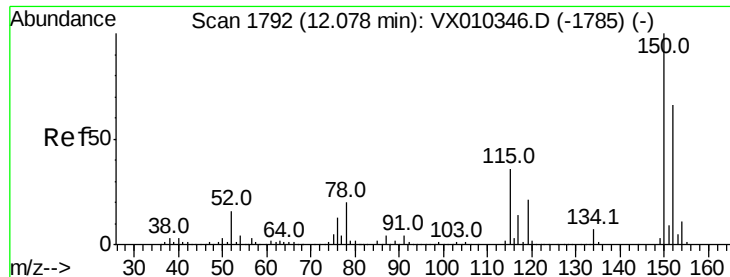
MMDadoda
7/15/2019 11:00:34 AM



#69
o-Xylene
Concen: 5.630 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion:106 Resp: 22498
Ion Ratio Lower Upper
106 100
91 206.1 102.7 308.1





#72

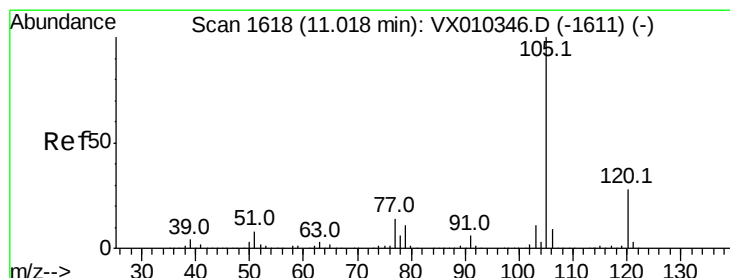
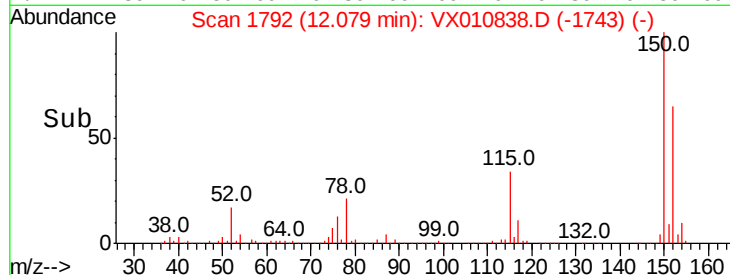
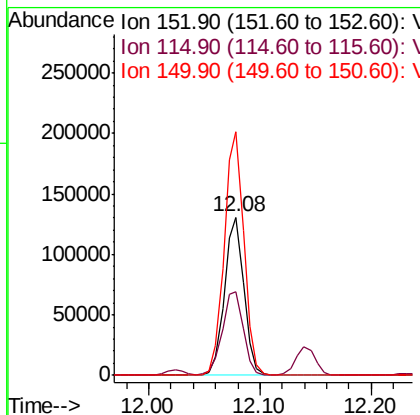
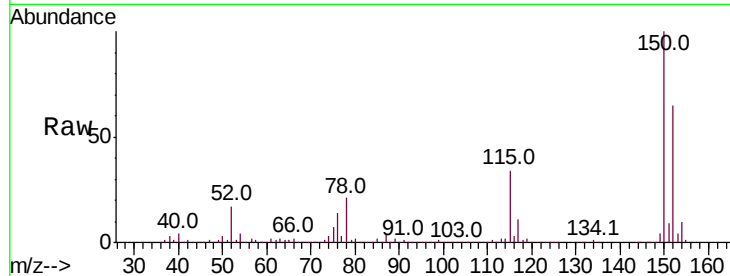
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
FL-0581

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.1	38.6	115.7
150	155.9	0.0	347.4

Manual Integrations
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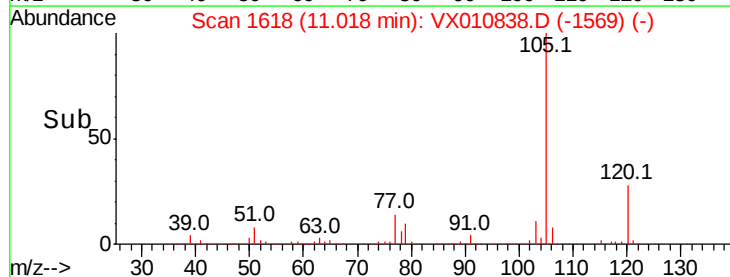
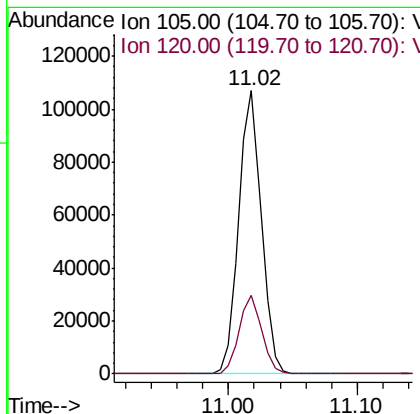
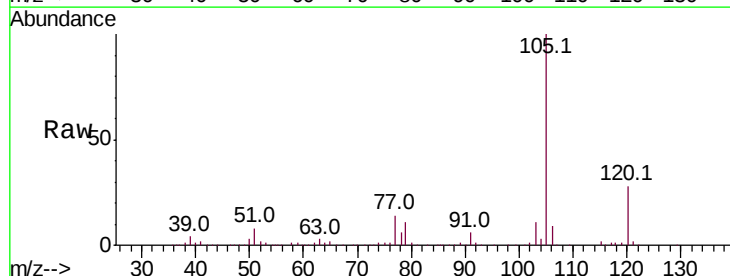
MMDadoda
7/15/2019 11:00:34 AM

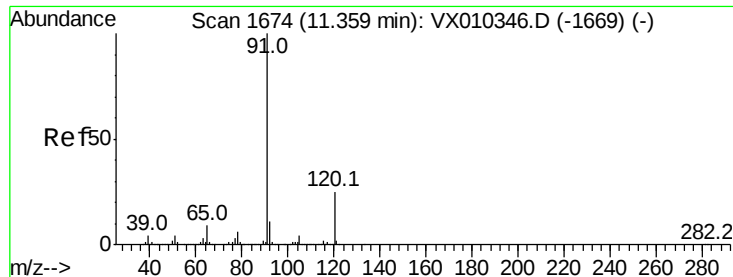


#73

Isopropylbenzene
Concen: 12.340 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	14.1	42.4





#78

n-propylbenzene

Concen: 14.109 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0581

Tot Ion: 91 Resp: 164734

Ion Ratio Lower Upper

91 100

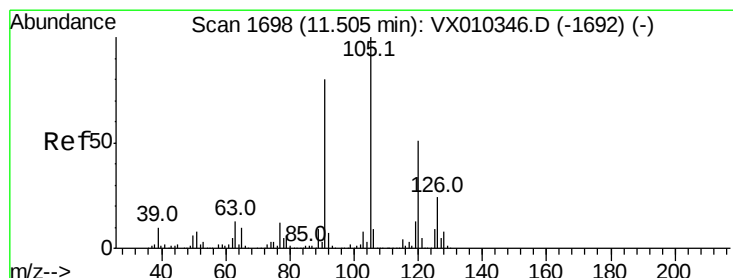
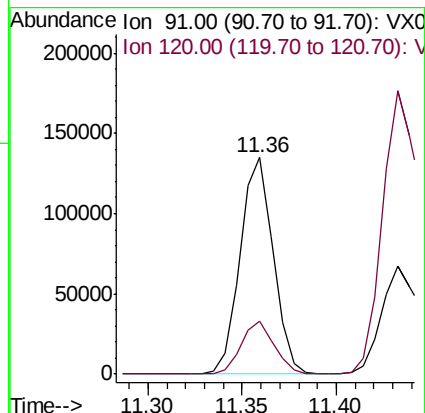
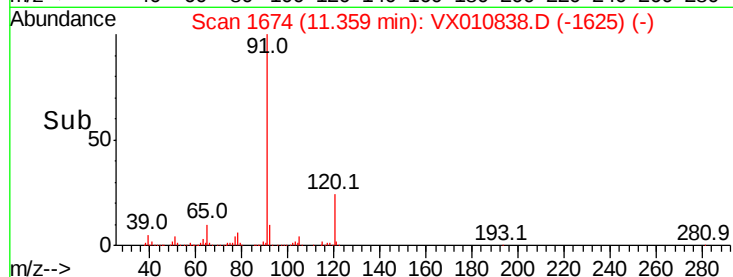
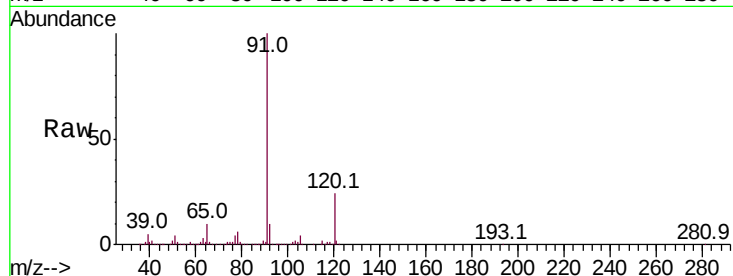
120 24.2 12.4 37.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.713 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010838.D

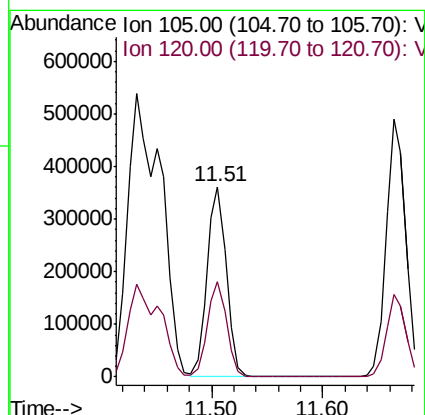
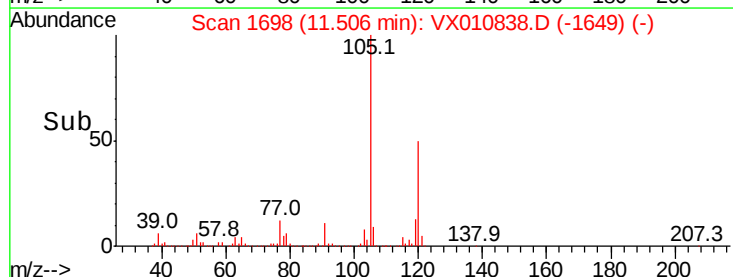
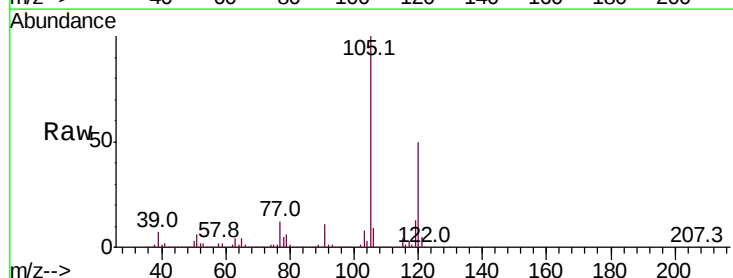
Acq: 12 Jul 2019 16:03

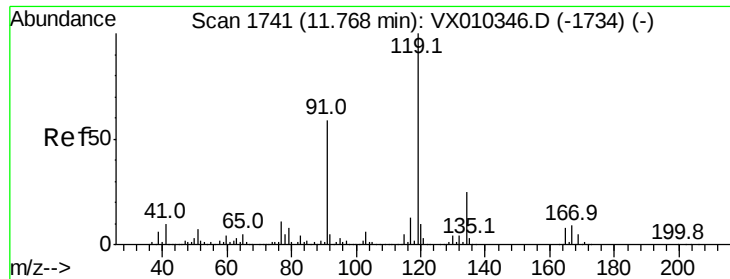
Tgt Ion: 105 Resp: 435373

Ion Ratio Lower Upper

105 100

120 49.8 25.2 75.6





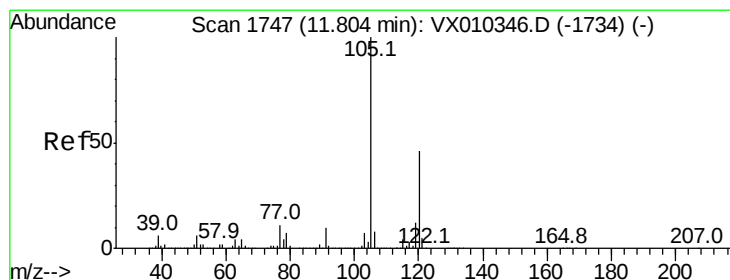
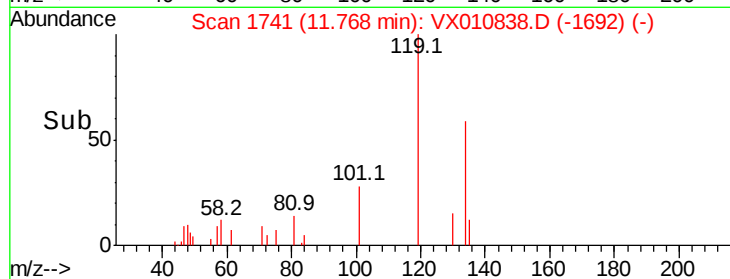
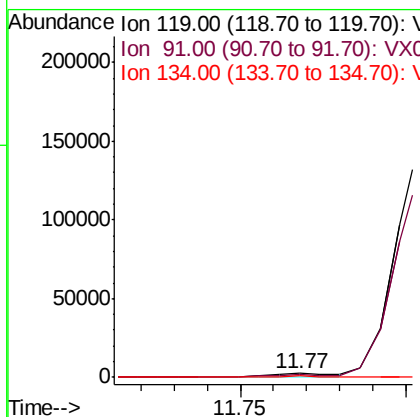
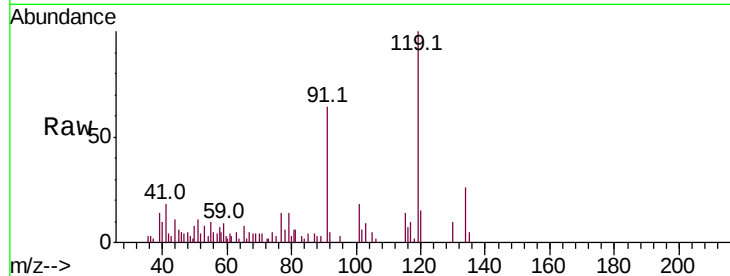
#83
tert-Butylbenzene
Concen: 0.400 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion:119 Resp: 3513
Ion Ratio Lower Upper
119 100
91 4591.7 27.6 82.7
134 0.0 11.8 35.4#

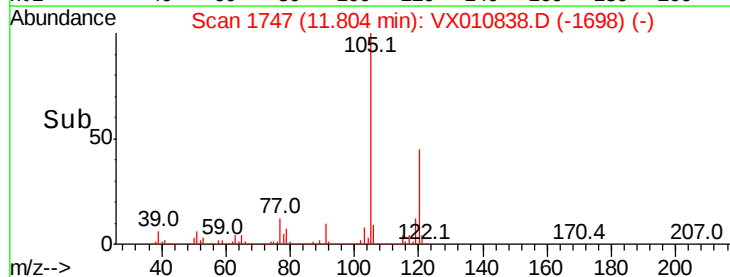
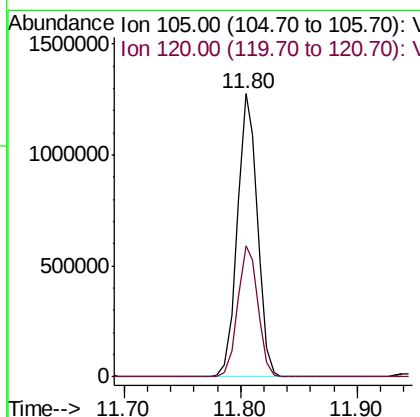
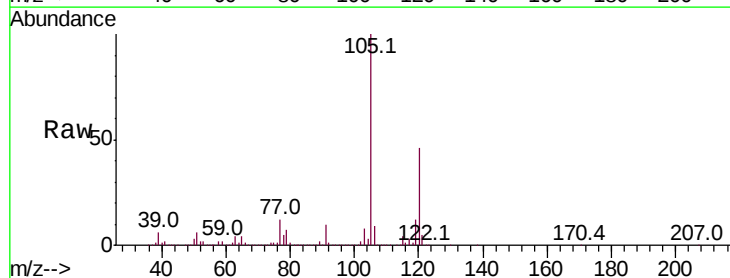
Manual Integrations
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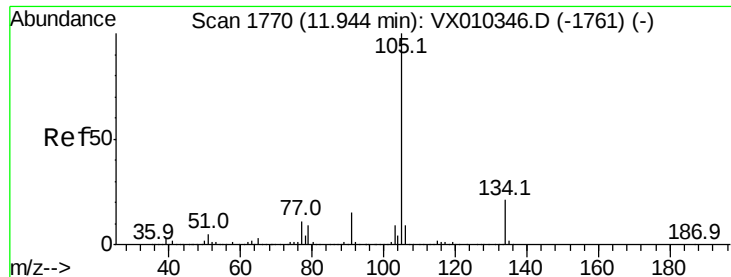
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7/15/2019 11:00:34 AM



#84
1,2,4-Trimethylbenzene
Concen: 173.157 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Tgt Ion:105 Resp: 1523564
Ion Ratio Lower Upper
105 100
120 46.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 2.015 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0581

Tot Ion:105 Resp: 20796

Ion Ratio Lower Upper

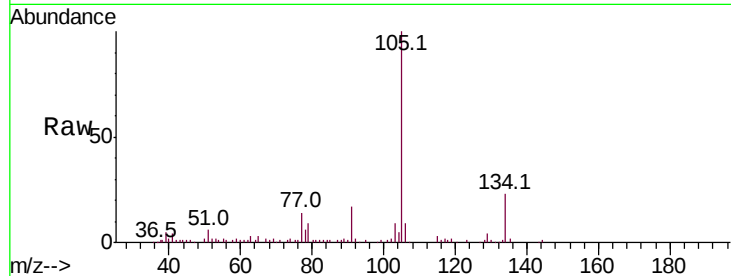
105 100

134 0.0 10.7 31.9#

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

15000

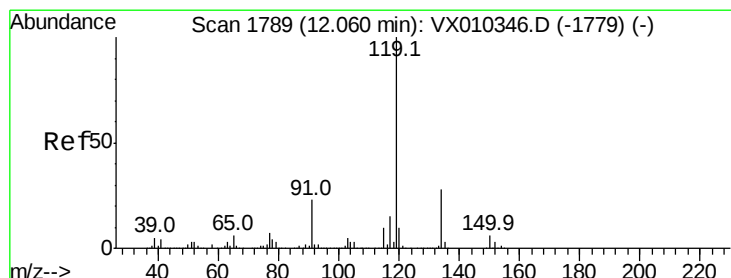
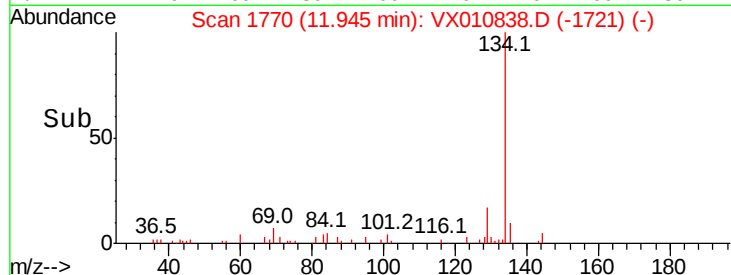
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 4.706 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010838.D

Acq: 12 Jul 2019 16:03

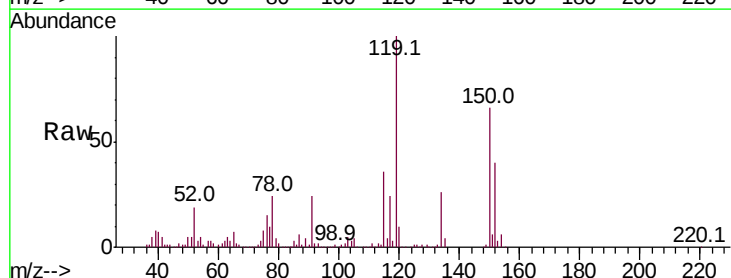
Tgt Ion:119 Resp: 44921

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.1

91 22.8 11.3 33.8



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

80000

60000

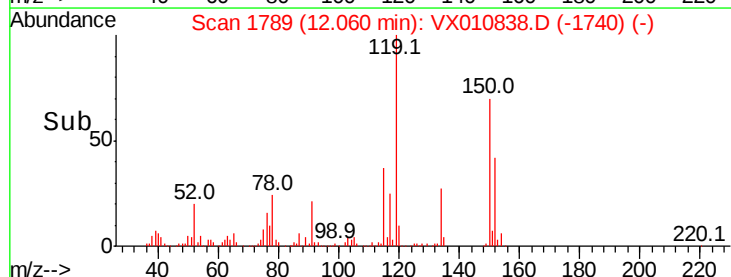
40000

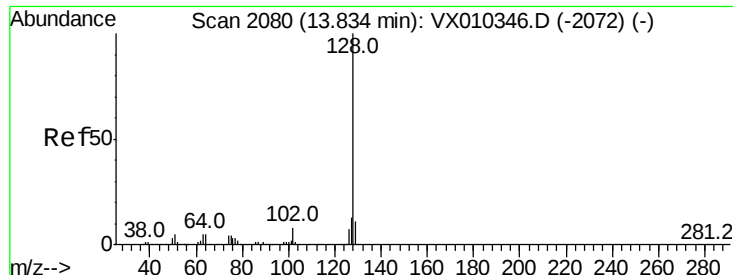
20000

0

Time-->

12.05 12.10





#95
Naphthalene
Concen: 28.354 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010838.D
Acq: 12 Jul 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0581

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2019 11:00:34 AM

