

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004221.D
 Acq On : 23 Aug 2018 12:47
 Operator : JC/MD
 Sample : J4579-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0544DL

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:23 AM

Quant Time: Aug 24 07:22:47 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	312083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252743	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	199455	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
35) Dibromofluoromethane	5.50	113	171511	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
50) Toluene-d8	8.71	98	656141	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.14	95	241040	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
Target Compounds						
						Qvalue
31) Cyclohexane	5.57	56	130713	22.92	ug/l	96
39) Methylcyclohexane	7.46	83	62452	10.37	ug/l	98
67) Ethyl Benzene	10.25	91	574718	34.07	ug/l	93
68) m/p-Xylenes	10.36	106	527212	79.93	ug/l	99
69) o-Xylene	10.70	106	158480	25.40	ug/l	96
73) Isopropylbenzene	11.02	105	35740	2.15	ug/l	99
78) n-propylbenzene	11.36	91	53229	2.79	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	98664	7.18	ug/l	99
83) tert-Butylbenzene	11.77	119	3011	0.22	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	317420	22.49	ug/l	99
85) sec-Butylbenzene	11.95	105	4394m	0.27	ug/l	
86) p-Isopropyltoluene	12.07	119	4396m	0.30	ug/l	
89) n-Butylbenzene	12.38	91	6285	0.53	ug/l #	34
95) Naphthalene	13.83	128	172927	10.49	ug/l	100

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

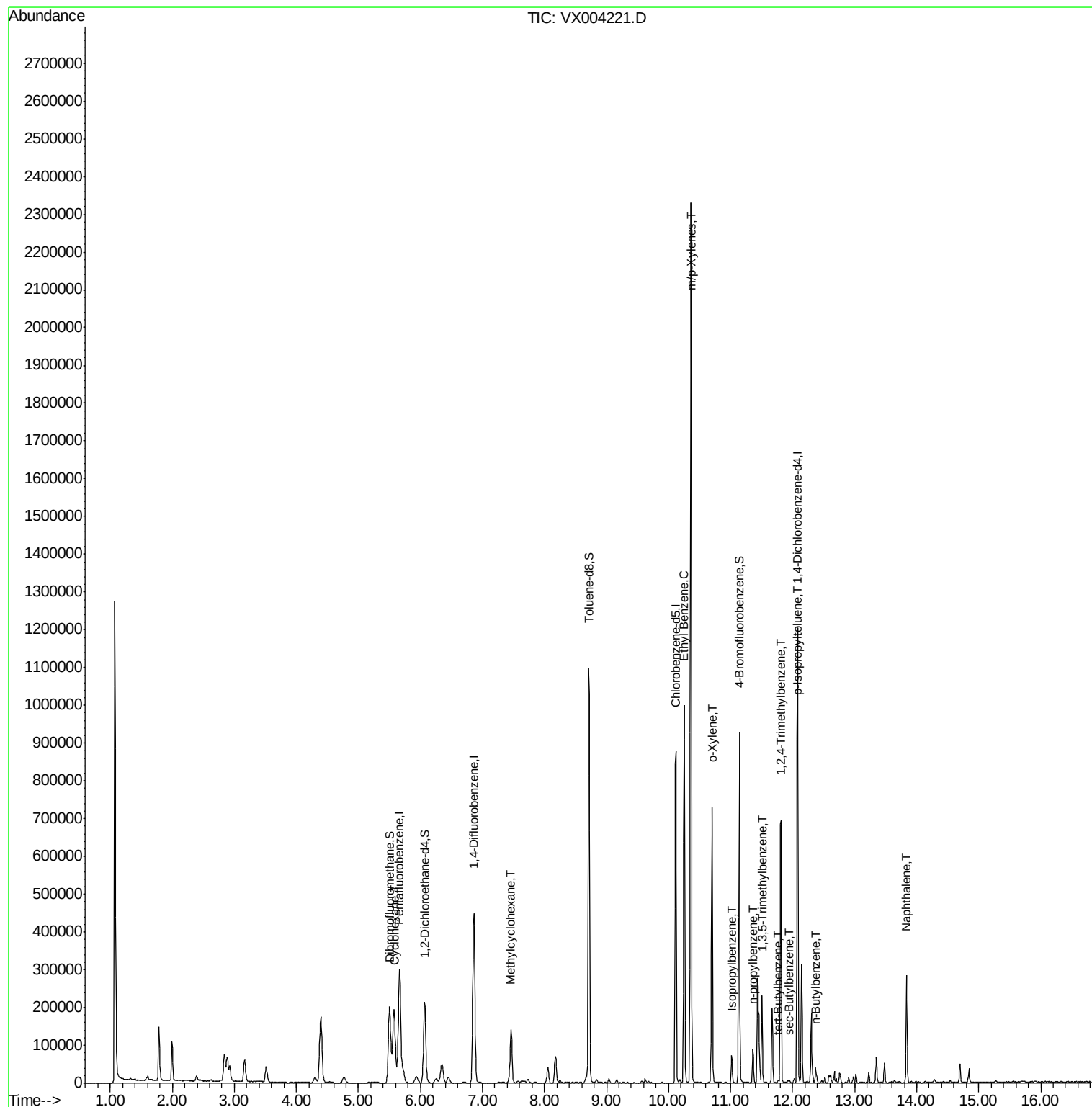
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082318\
Data File : VX004221.D
Acq On : 23 Aug 2018 12:47
Operator : JC/MD
Sample : J4579-04DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

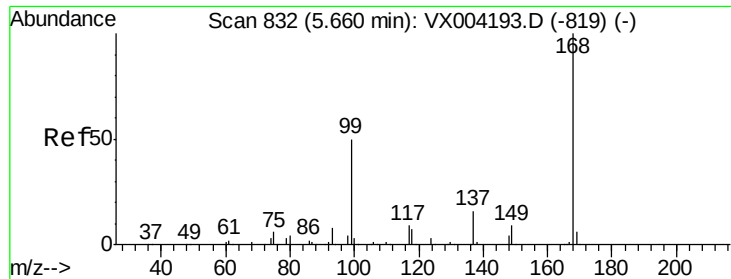
Instrument :
MSVOA_X
ClientSampleId :
FL-0544DL

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Quant Time: Aug 24 07:22:47 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: VX004221.D

Acq: 23 Aug 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

FL-0544DL

Tot Ion:168 Resp: 312083

Ion Ratio Lower Upper

168 100

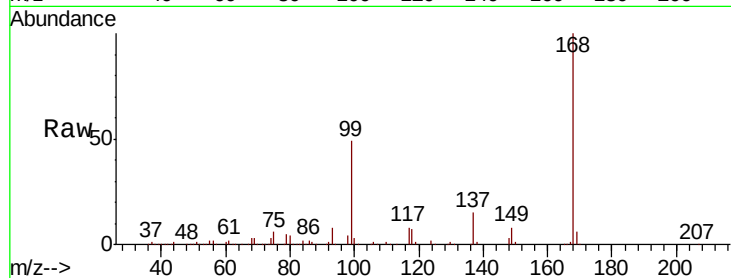
99 49.1 39.9 59.9

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

120000

100000

80000

60000

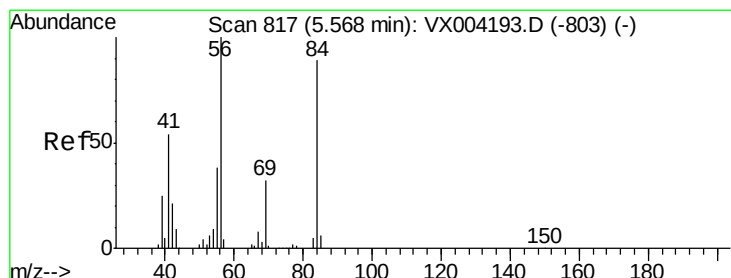
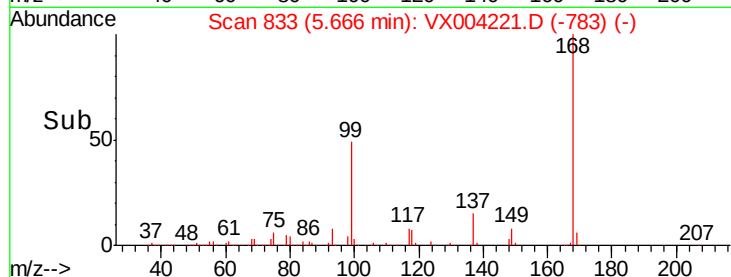
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 22.92 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004221.D

Acq: 23 Aug 2018 12:47

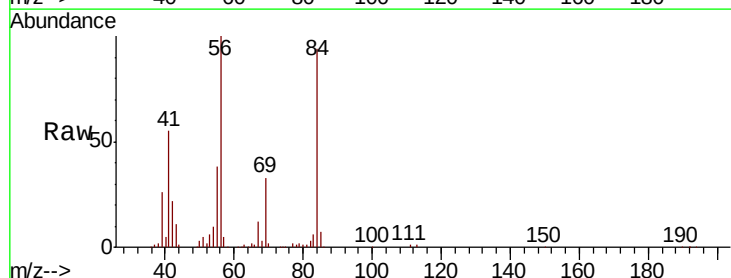
Tgt Ion: 56 Resp: 130713

Ion Ratio Lower Upper

56 100

69 32.7 25.4 38.2

84 94.3 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

50000

40000

30000

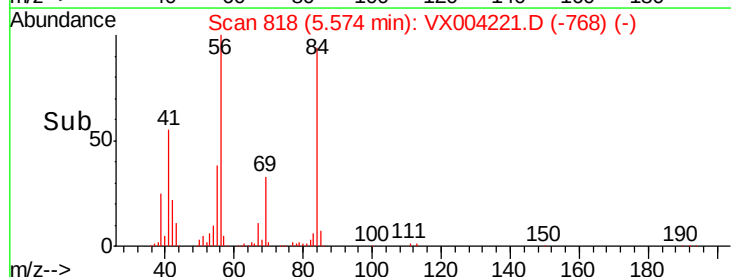
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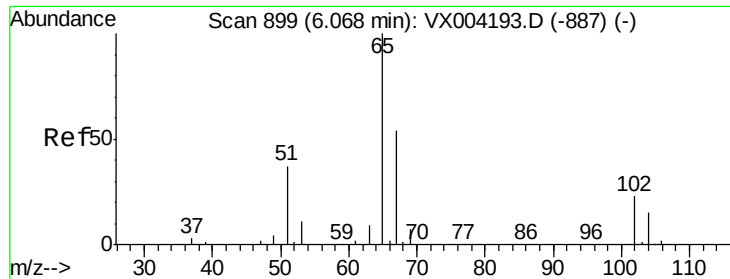
10000

0

Time-->

5.50 5.60





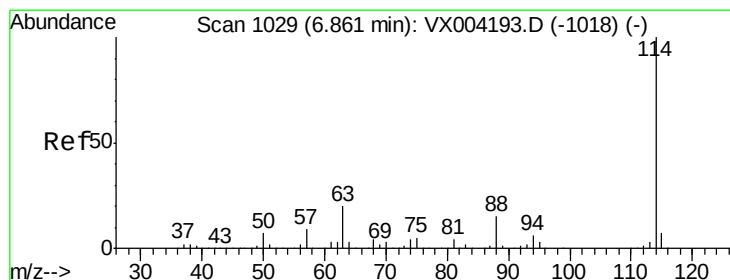
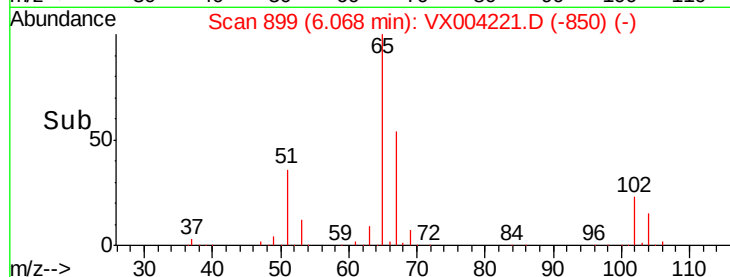
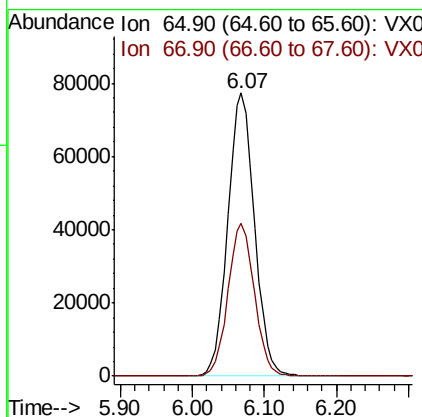
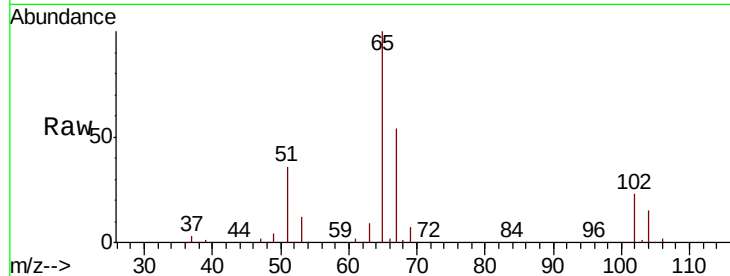
#33
 1,2-Dichloroethane-d4
 Concen: 49.04 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004221.D
 Acq: 23 Aug 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0544DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199455		
67	53.5	0.0	106.8	

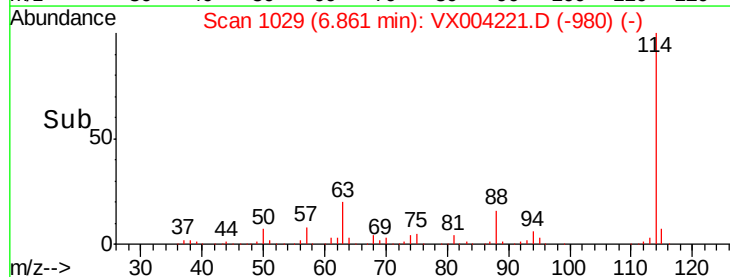
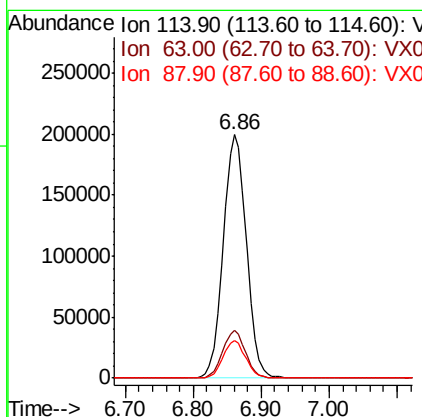
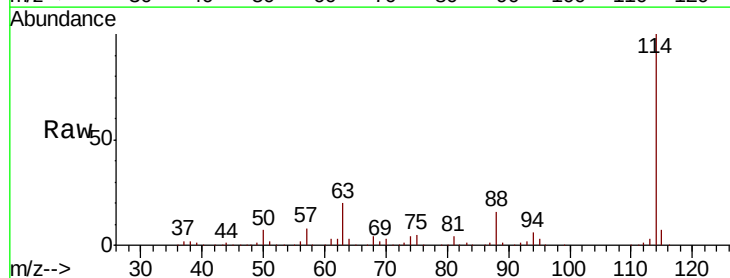
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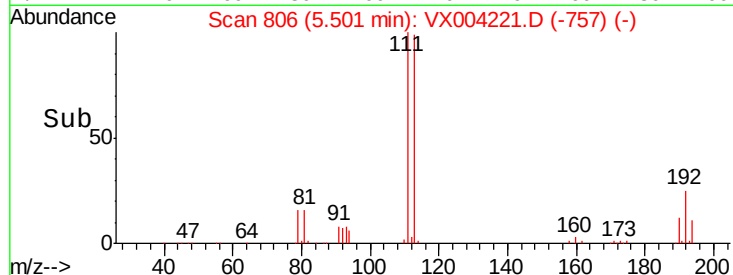
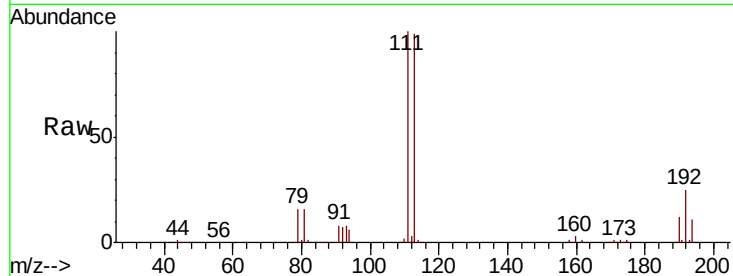
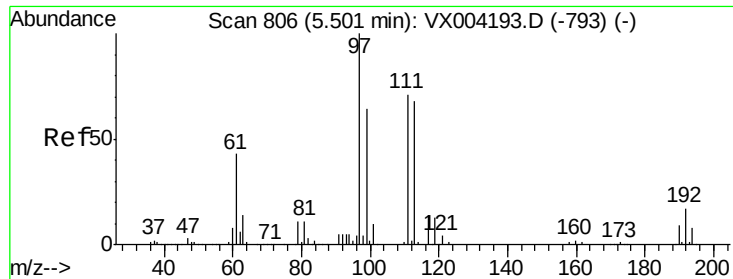
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004221.D
 Acq: 23 Aug 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	469146		
63	19.6	0.0	39.0	
88	15.7	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.14 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004221.D

Acq: 23 Aug 2018 12:47

Tot Ion:	113	Resp:	171511
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.4	123.6
192	24.4	19.4	29.2

Instrument :

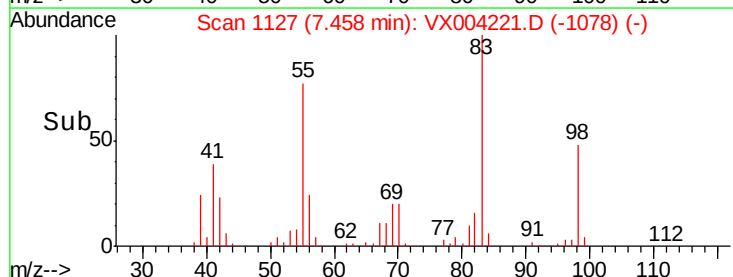
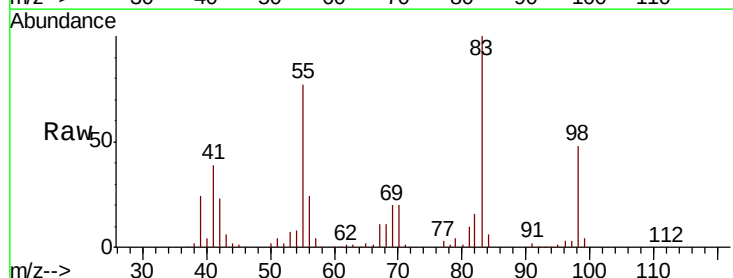
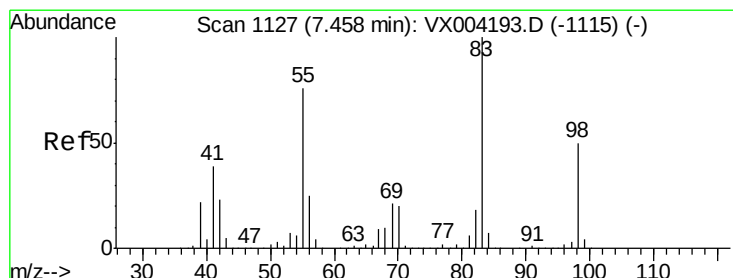
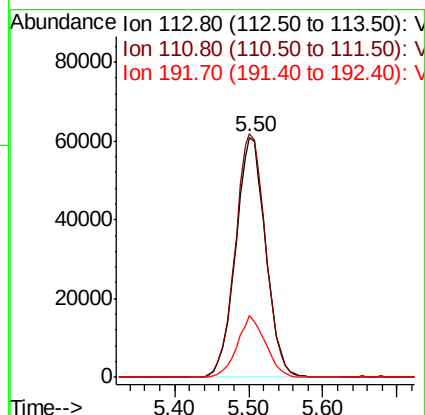
MSVOA_X

ClientSampled :

FL-0544DL

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#39

Methylcyclohexane

Concen: 10.37 ug/l

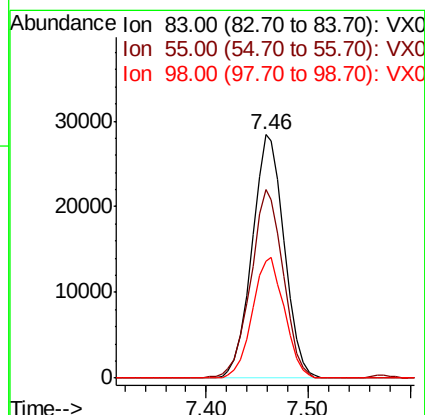
RT: 7.46 min Scan# 1127

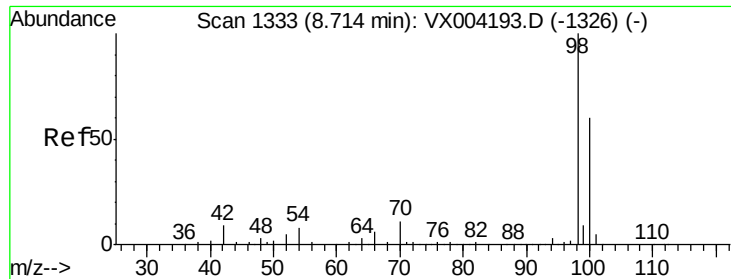
Delta R.T. 0.00 min

Lab File: VX004221.D

Acq: 23 Aug 2018 12:47

Tgt Ion:	83	Resp:	62452
Ion Ratio	Lower	Upper	
83	100		
55	77.3	61.0	91.4
98	48.1	39.6	59.4





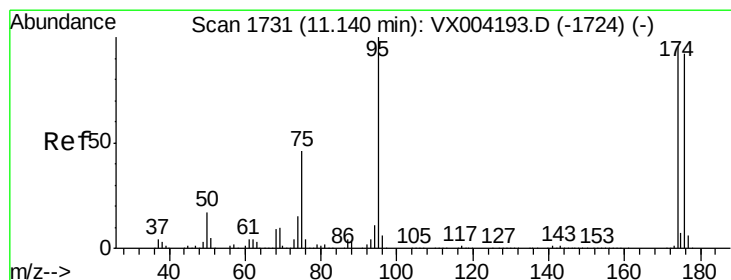
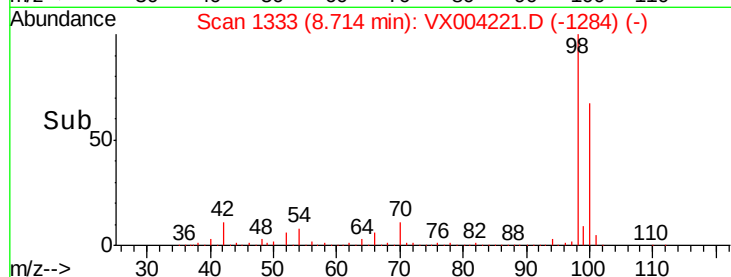
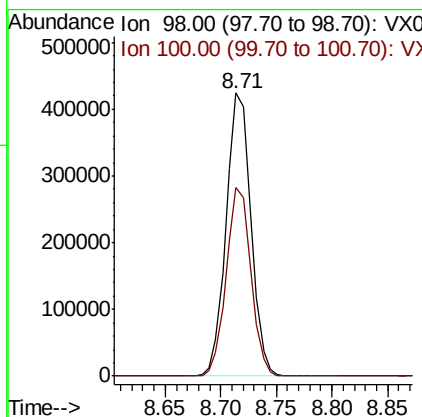
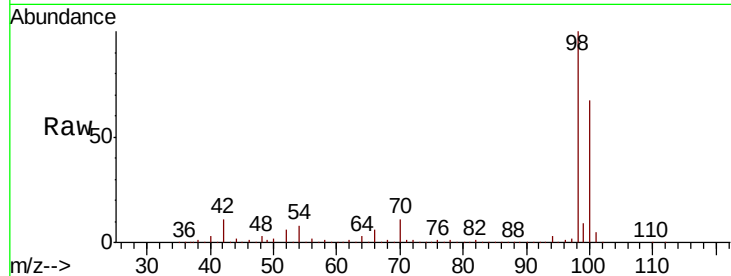
#50
Toluene-d8
Concen: 49.81 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004221.D
Acq: 23 Aug 2018 12:47

Instrument :
MSVOA_X
ClientSampleID :
FL-0544DL

Tot Ion: 98 Resp: 656141
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3

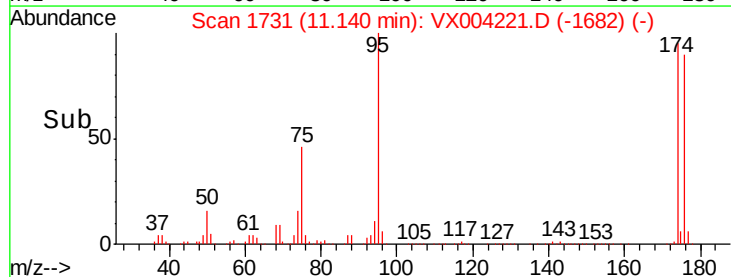
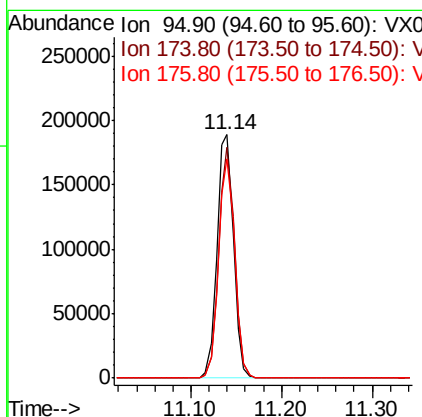
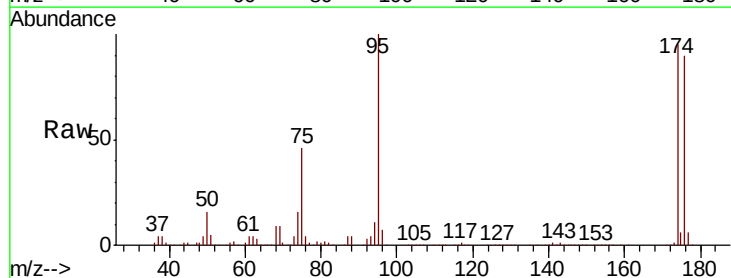
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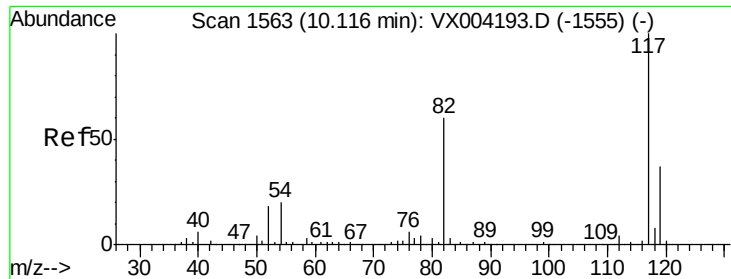
MMDadoda
8/24/2018 11:35:23 AM



#62
4-Bromofluorobenzene
Concen: 49.04 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX004221.D
Acq: 23 Aug 2018 12:47

Tgt Ion: 95 Resp: 241040
Ion Ratio Lower Upper
95 100
174 91.1 0.0 185.2
176 88.0 0.0 178.6





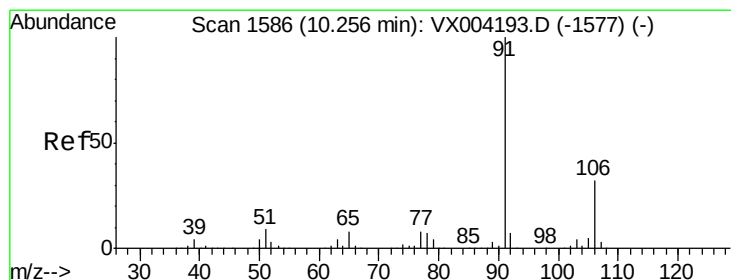
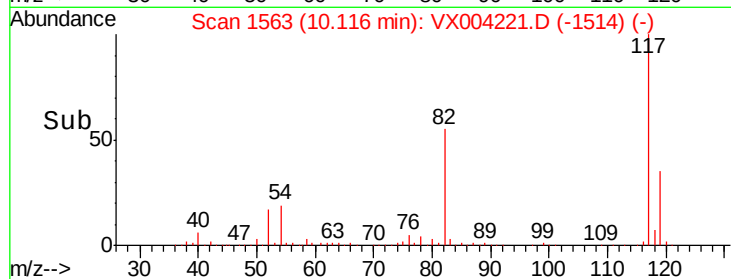
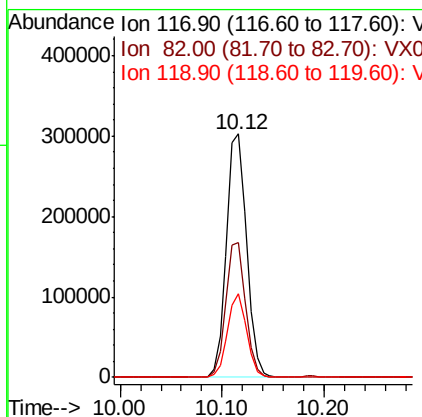
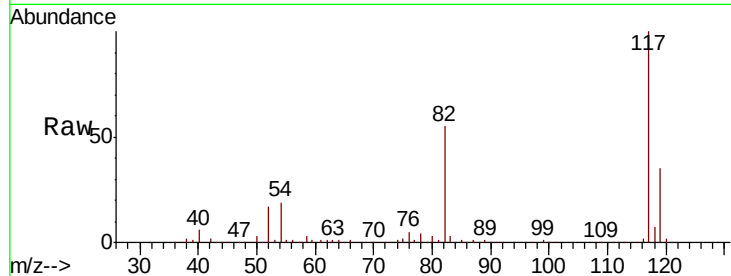
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004221.D
Acq: 23 Aug 2018 12:47

Instrument :
MSVOA_X
ClientSampleID :
FL-0544DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.8	71.6
119	34.5	29.3	43.9

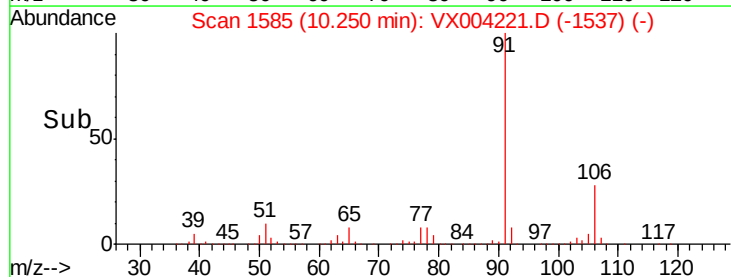
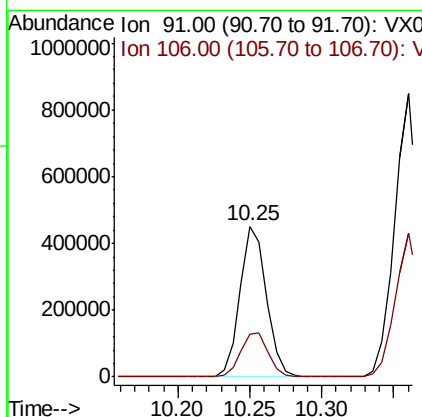
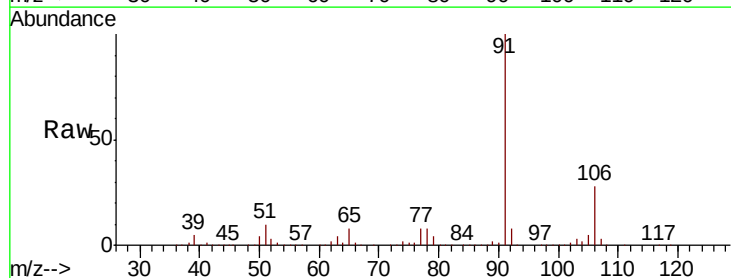
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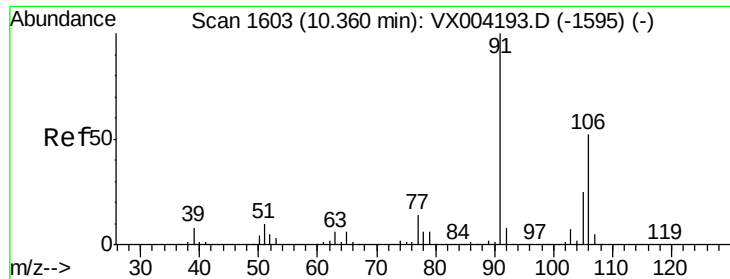
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#67
Ethyl Benzene
Concen: 34.07 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004221.D
Acq: 23 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.2	25.9	38.9





#68

m/p-Xylenes

Concen: 79.93 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004221.D

Acq: 23 Aug 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

FL-0544DL

Tot Ion:106 Resp: 527212

Ion Ratio Lower Upper

106 100

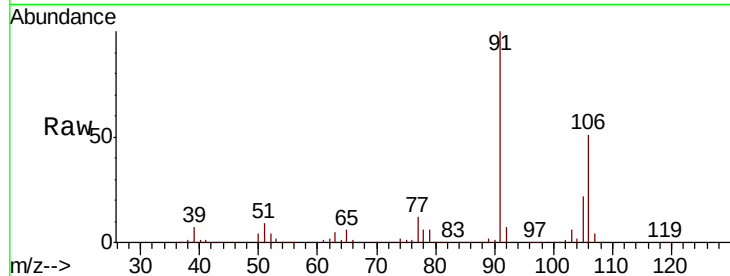
91 197.4 157.1 235.7

Manual Integrations

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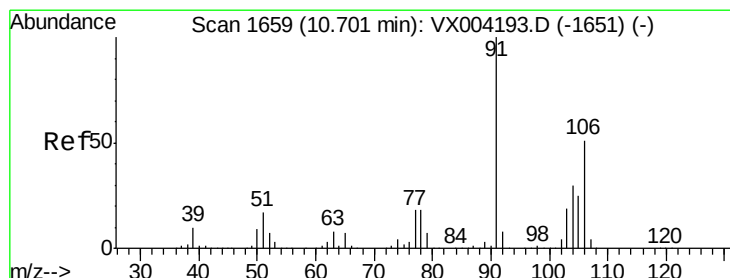
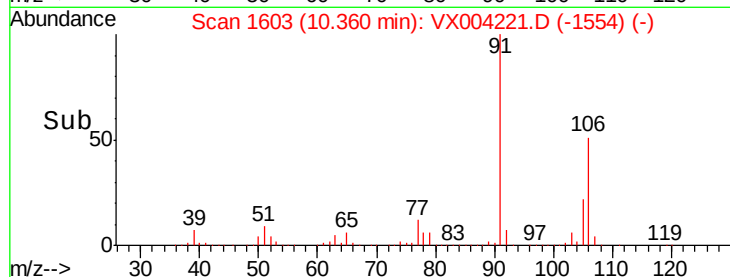
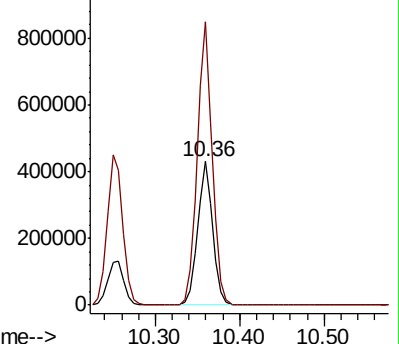
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 25.40 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004221.D

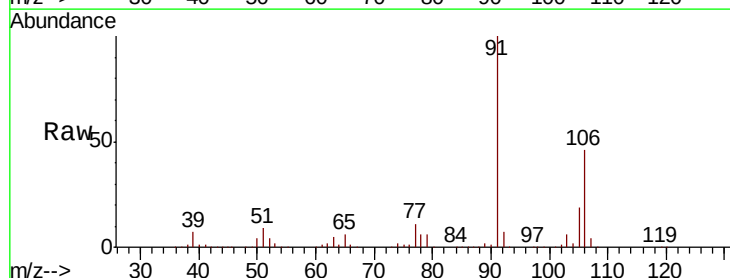
Acq: 23 Aug 2018 12:47

Tgt Ion:106 Resp: 158480

Ion Ratio Lower Upper

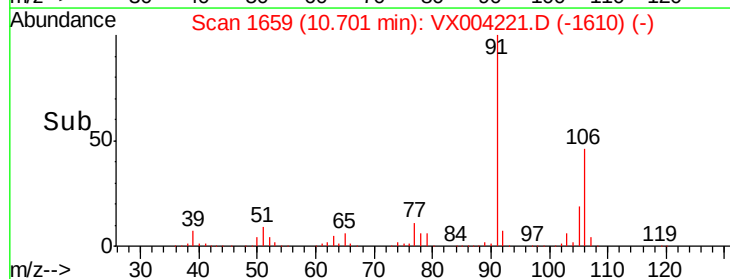
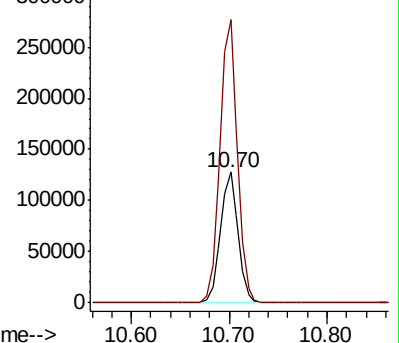
106 100

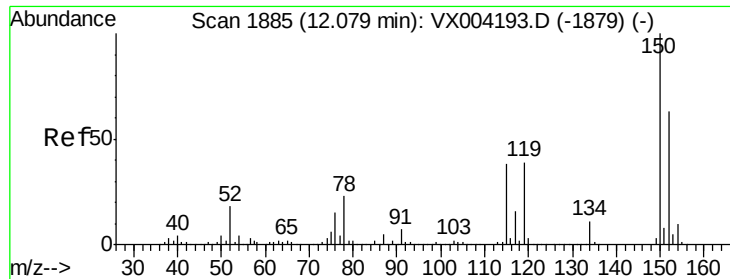
91 215.7 105.1 315.1



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: VX004221.D

Acq: 23 Aug 2018 12:47

Instrument :

MSVOA_X

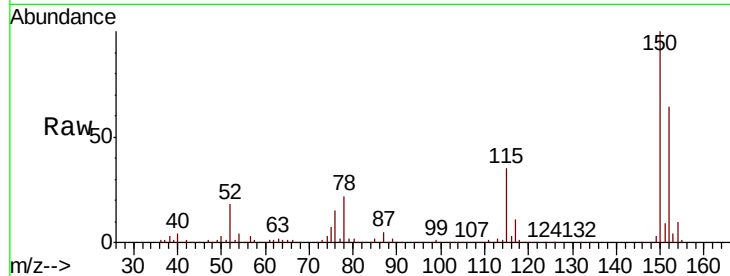
ClientSampled :

FL-0544DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	252743		
115	54.8	39.0	117.0	
150	155.7	0.0	351.0	

Manual Integrations
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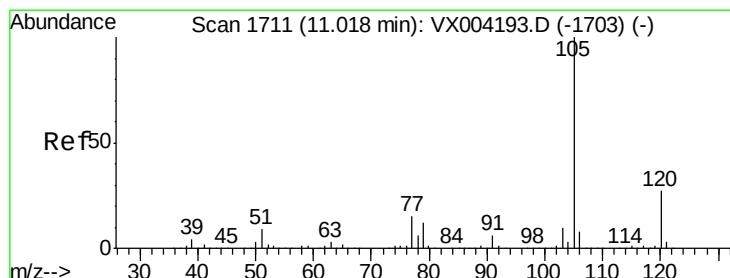
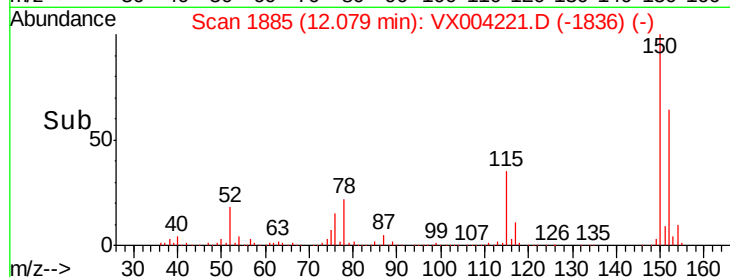
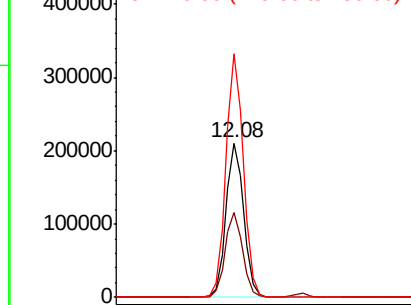


Abundance

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: 2.15 ug/l

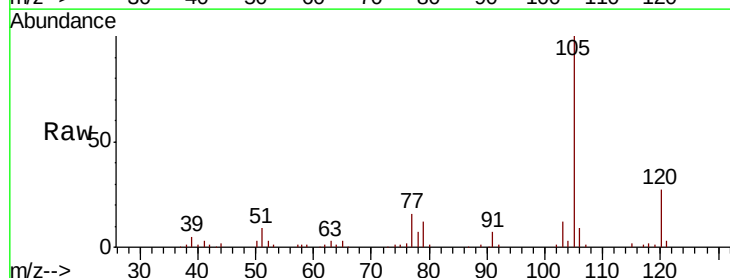
RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004221.D

Acq: 23 Aug 2018 12:47

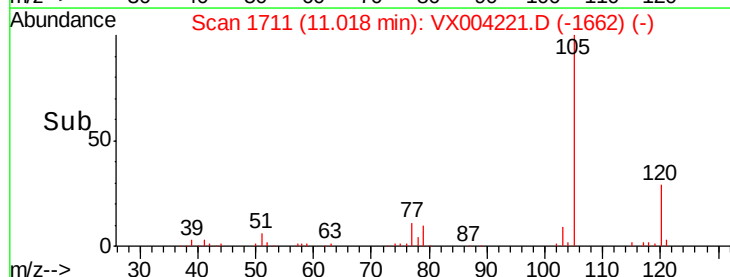
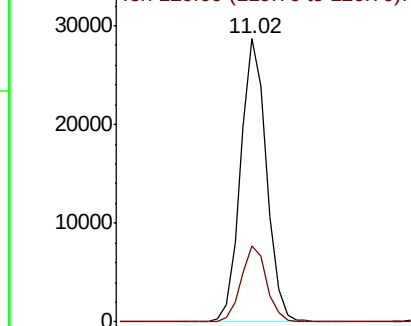
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	35740		
120	26.4	13.5	40.4	

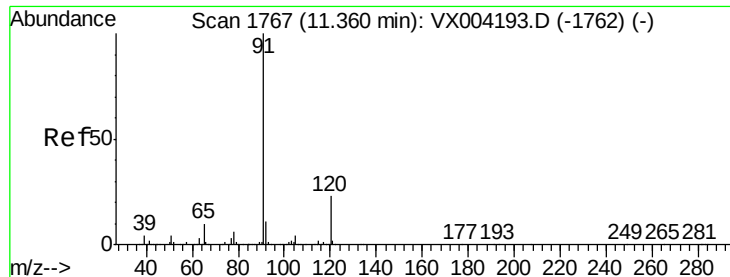


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.79 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004221.D

Acq: 23 Aug 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

FL-0544DL

Tot Ion: 91 Resp: 53229

Ion Ratio Lower Upper

91 100

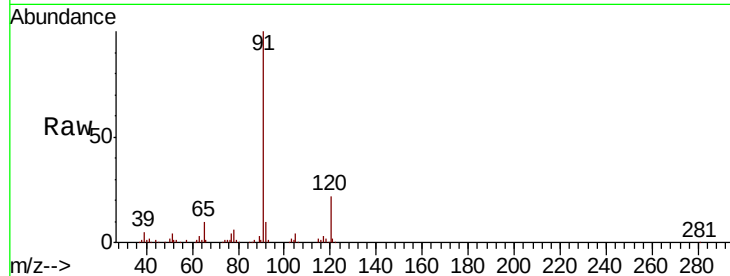
120 22.8 11.9 35.9

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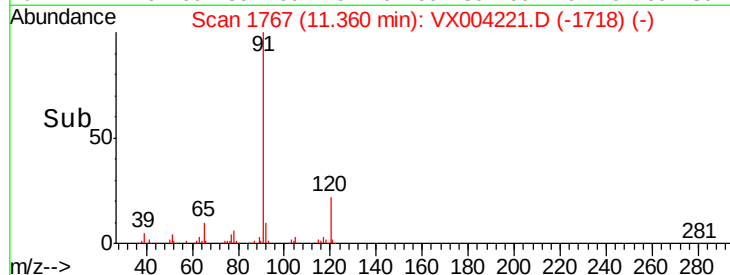


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

Time-->



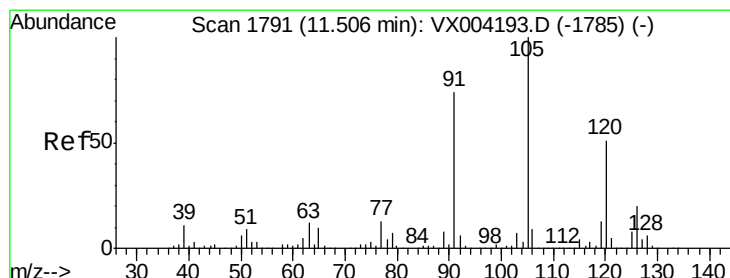
Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 7.18 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004221.D

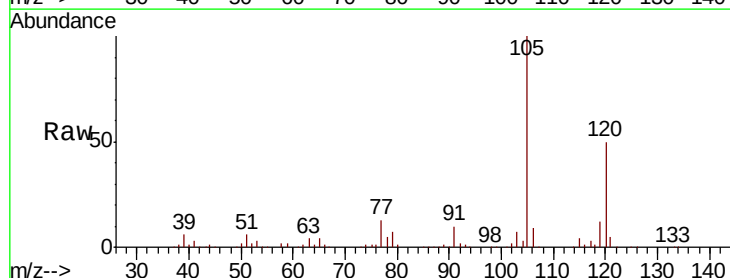
Acq: 23 Aug 2018 12:47

Tgt Ion:105 Resp: 98664

Ion Ratio Lower Upper

105 100

120 50.2 25.6 76.8

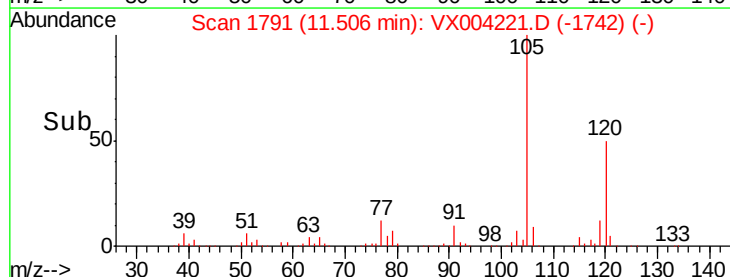


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

Time-->



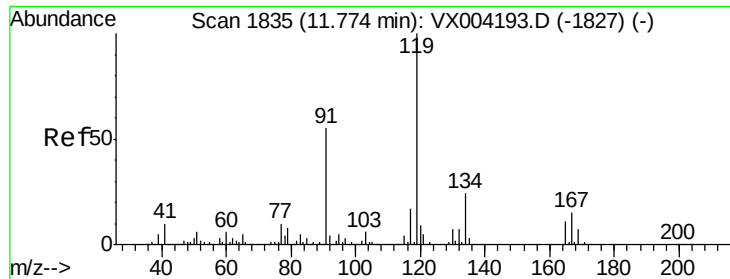
Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

Time-->



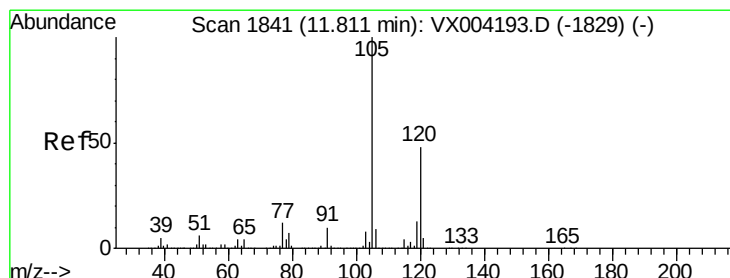
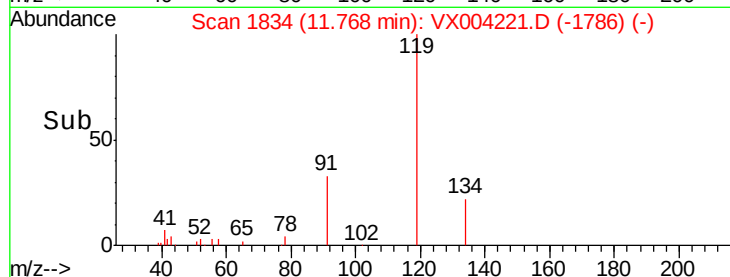
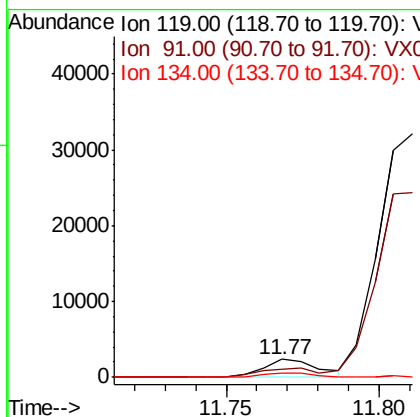
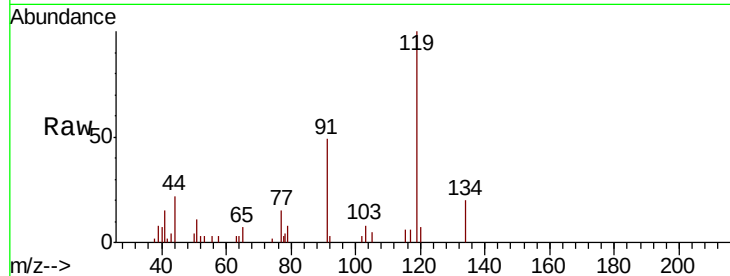
#83
 tert-Butylbenzene
 Concen: 0.22 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004221.D
 Acq: 23 Aug 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0544DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3011		
91	49.7		27.0	81.0
134	23.7		11.7	35.1

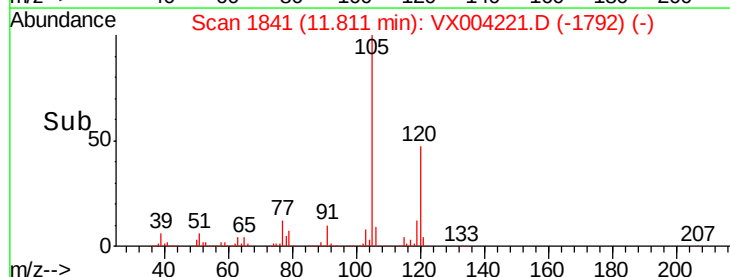
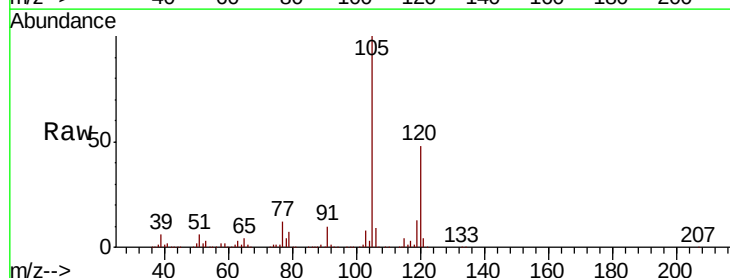
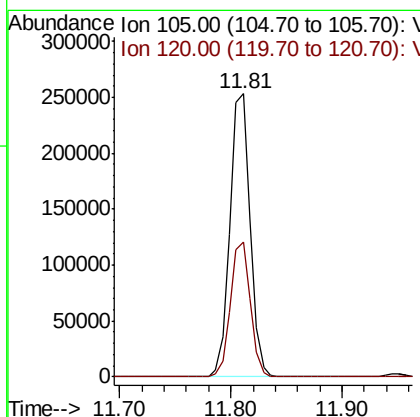
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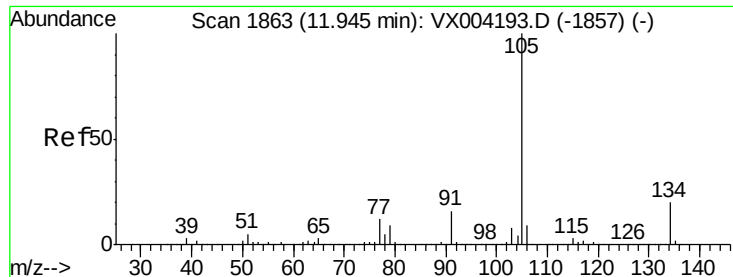
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.49 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004221.D
 Acq: 23 Aug 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	317420		
120	47.2		23.2	69.6





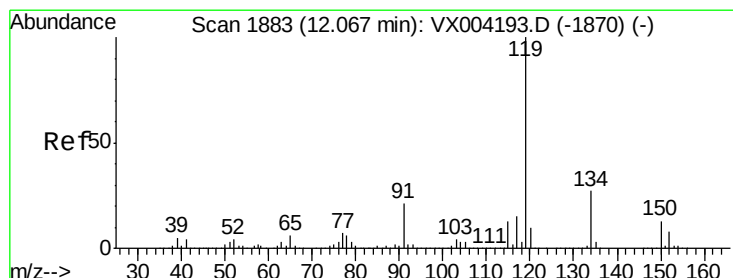
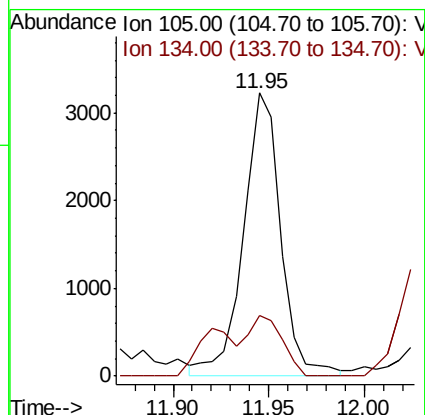
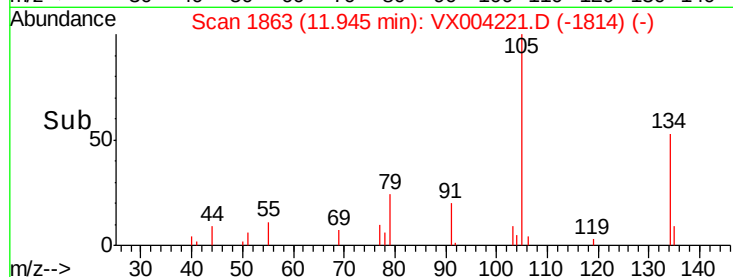
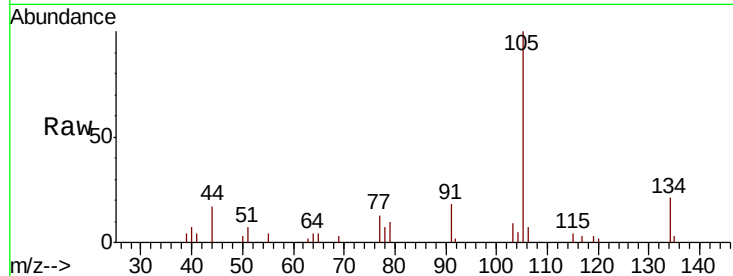
#85
 sec-Butylbenzene
 Concen: 0.27 ug/l m
 RT: 11.95 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VX004221.D
 Acq: 23 Aug 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0544DL

Tot Ion:105 Resp: 4394
 Ion Ratio Lower Upper
 105 100
 134 5.3 10.5 31.5#

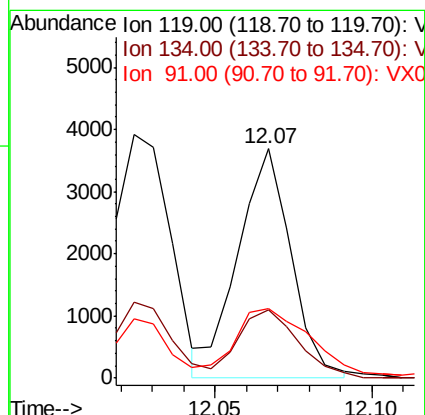
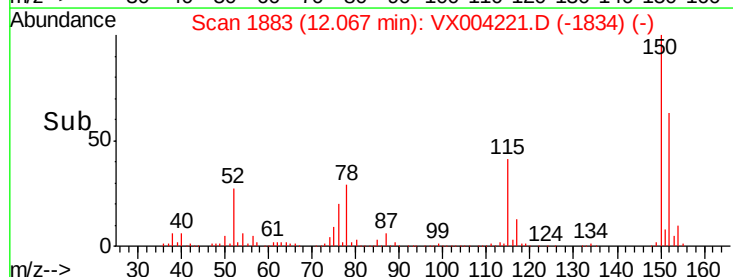
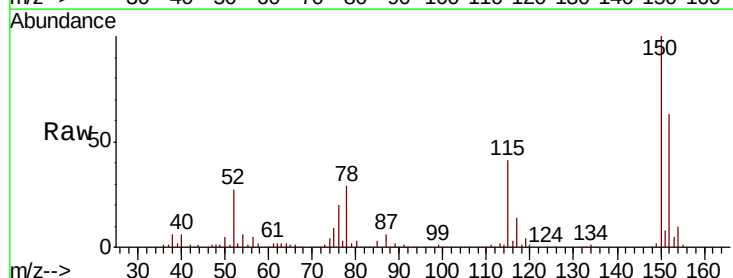
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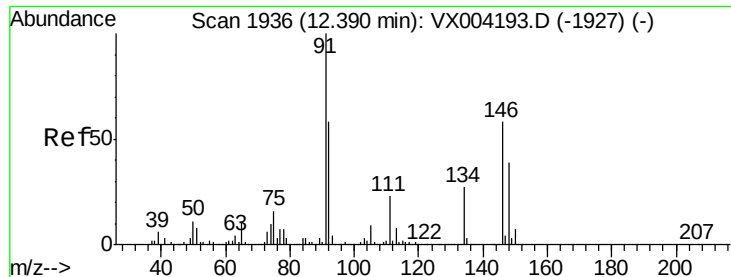
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#86
 p-Isopropyltoluene
 Concen: 0.30 ug/l m
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX004221.D
 Acq: 23 Aug 2018 12:47

Tgt Ion:119 Resp: 4396
 Ion Ratio Lower Upper
 119 100
 134 36.5 13.4 40.2
 91 27.3 10.9 32.7





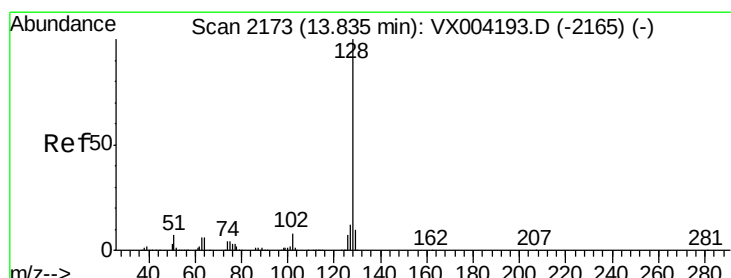
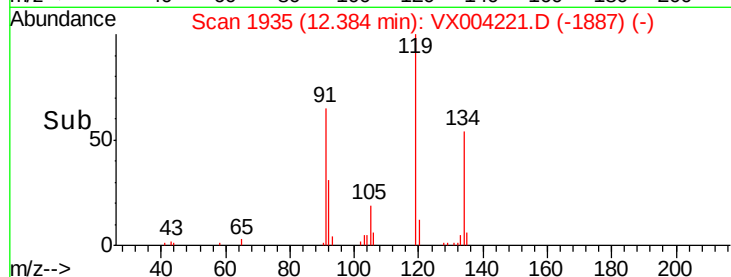
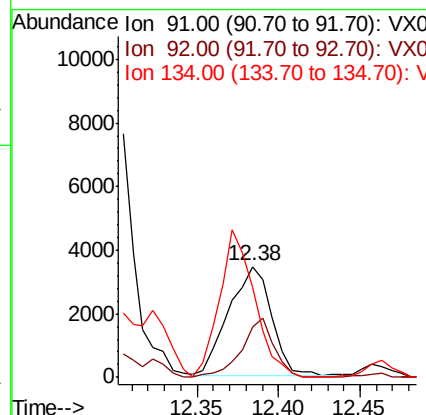
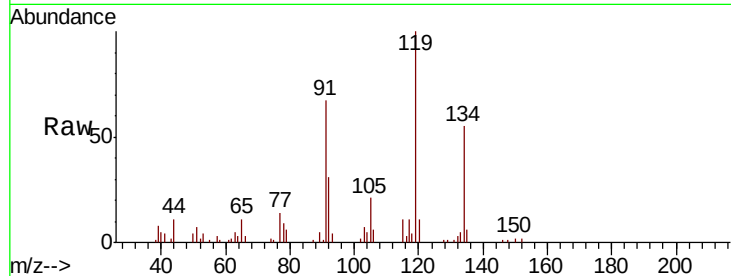
#89
n-Butylbenzene
Concen: 0.53 ug/l
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX004221.D
Acq: 23 Aug 2018 12:47

Instrument :
MSVOA_X
ClientSampleID :
FL-0544DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	40.8	27.3	81.9
134	110.6	13.6	40.7#

Manual Integrations
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#95
Naphthalene
Concen: 10.49 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004221.D
Acq: 23 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

