

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010860.D
 Acq On : 13 Jul 2019 00:59
 Operator : JC/SP
 Sample : K3791-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0593

Manual Integrations
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MMDadoda
 7/15/2019 10:59:40 AM

Quant Time: Jul 13 06:47:44 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	239340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178064	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125137	55.76	ug/l	0.00
Spiked Amount			Recovery	=	111.52%	
35) Dibromofluoromethane	5.50	113	112760	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	8.71	98	455973	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.13	95	161707	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	3029m	2.693	ug/l	
31) Cyclohexane	5.58	56	621732	191.810	ug/l	96
39) Methylcyclohexane	7.46	83	493265	126.161	ug/l	96
67) Ethyl Benzene	10.25	91	95235	8.014	ug/l	99
68) m/p-Xylenes	10.36	106	40348	8.763	ug/l	97
73) Isopropylbenzene	11.02	105	64507	5.344	ug/l	99
78) n-propylbenzene	11.36	91	201932	15.222	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	240900	24.209	ug/l	99
83) tert-Butylbenzene	11.77	119	4630	0.464	ug/l	81
84) 1,2,4-Trimethylbenzene	11.80	105	645029	64.520	ug/l	99
85) sec-Butylbenzene	11.94	105	118043	10.066	ug/l	85
86) p-Isopropyltoluene	12.06	119	72022	6.640	ug/l	99
89) n-Butylbenzene	12.38	91	148360	16.096	ug/l #	31
95) Naphthalene	13.83	128	54288	4.357	ug/l #	92

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

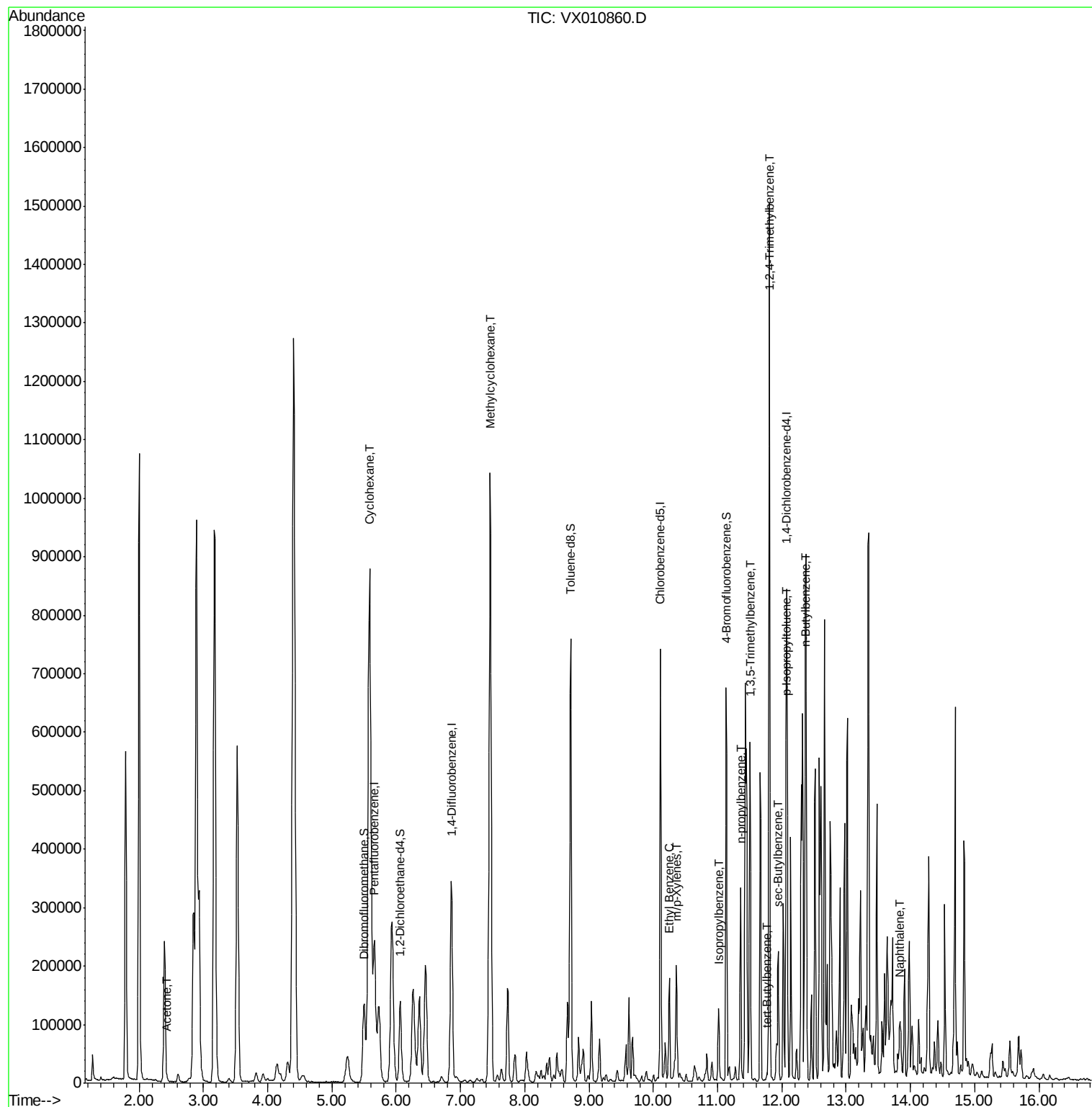
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010860.D
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ALS Vial : 40 Sample Multiplier: 1

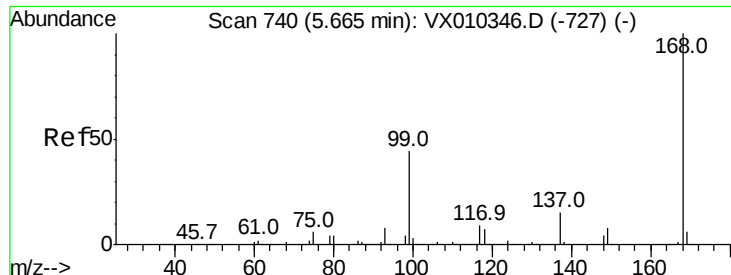
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jul 13 06:47:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

FL-0593

Tot Ion:168 Resp: 239340

Ion Ratio Lower Upper

168 100

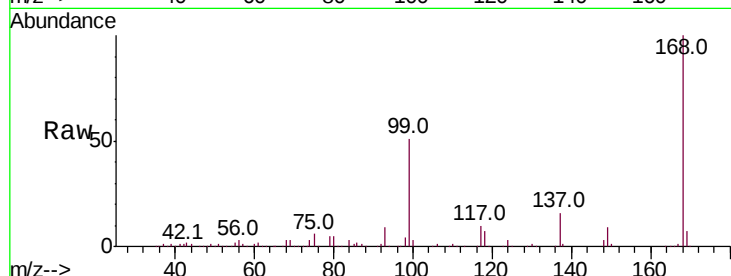
99 50.8 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

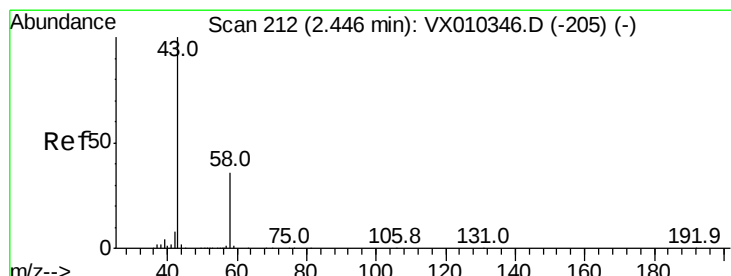
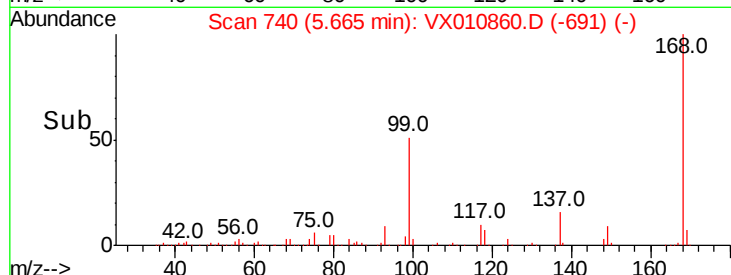
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.693 ug/l m

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010860.D

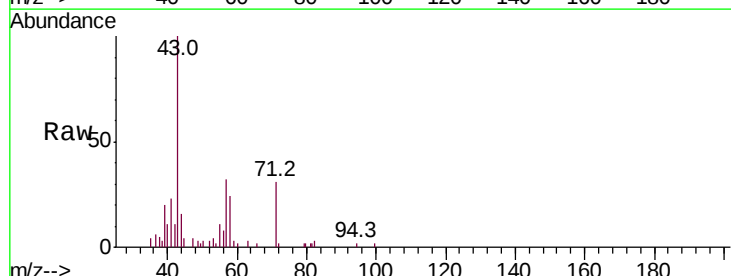
Acq: 13 Jul 2019 00:59

Tgt Ion: 43 Resp: 3029

Ion Ratio Lower Upper

43 100

58 24.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

40000

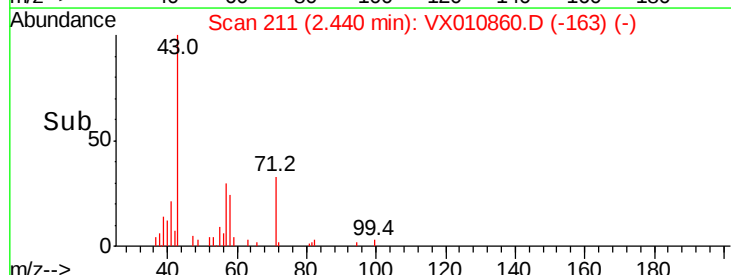
30000

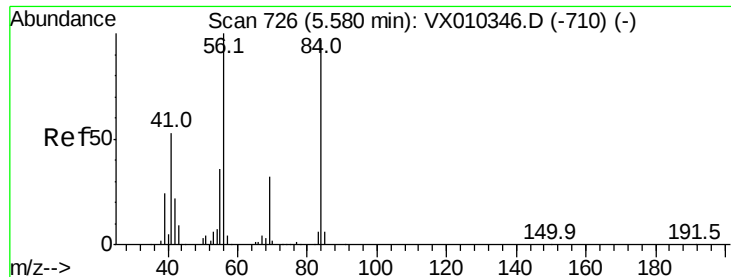
20000

10000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 191.810 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

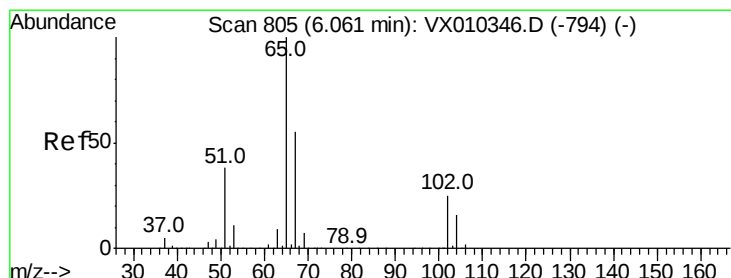
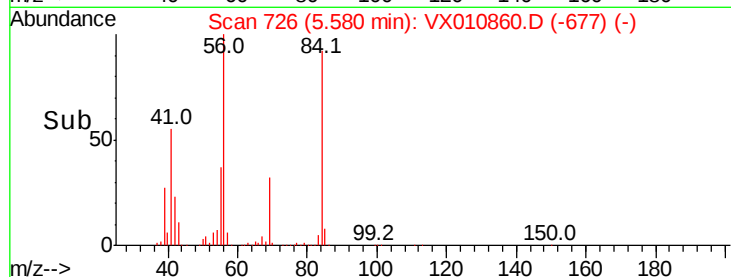
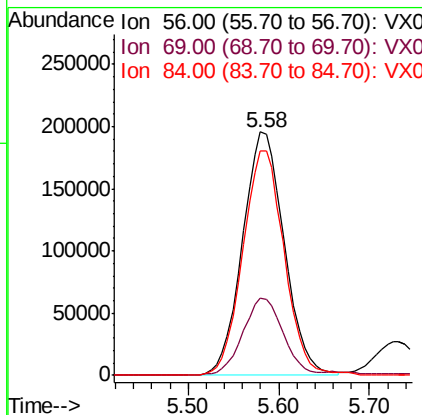
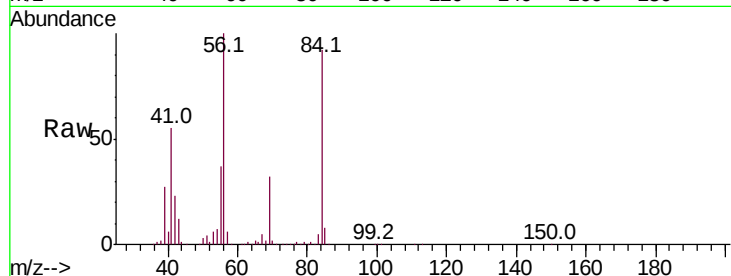
ClientSampled :

FL-0593

Tot Ion:	56	Resp:	621732
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.9	38.9
84	92.3	78.0	117.0

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#33

1,2-Dichloroethane-d4

Concen: 55.764 ug/l

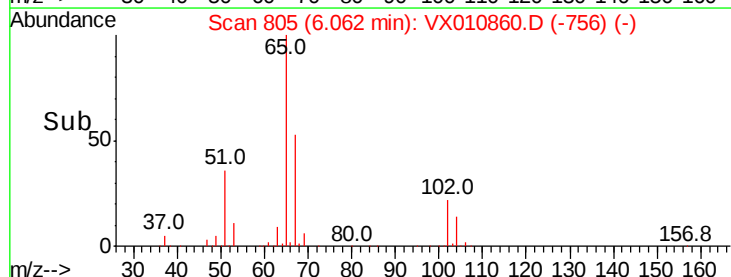
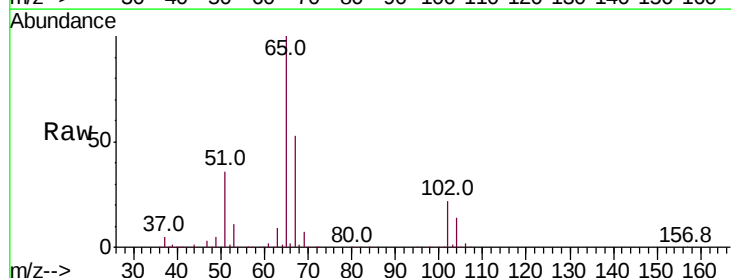
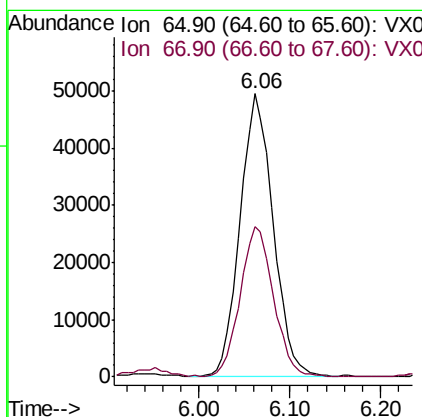
RT: 6.06 min Scan# 805

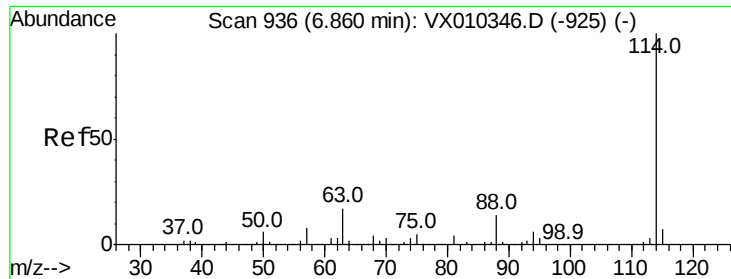
Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Tgt Ion:	65	Resp:	125137
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	110.2





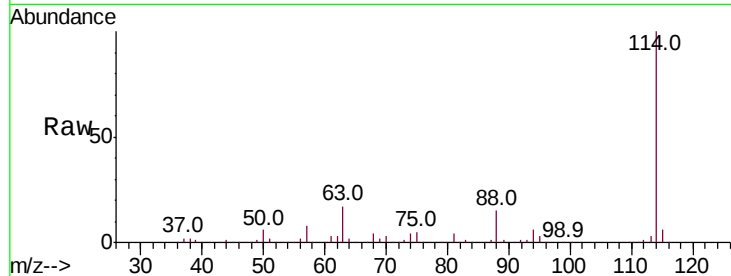
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampleId :
FL-0593

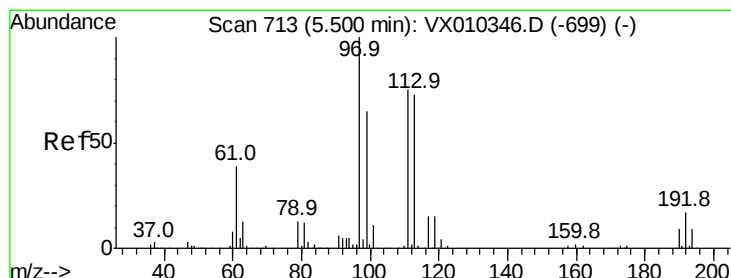
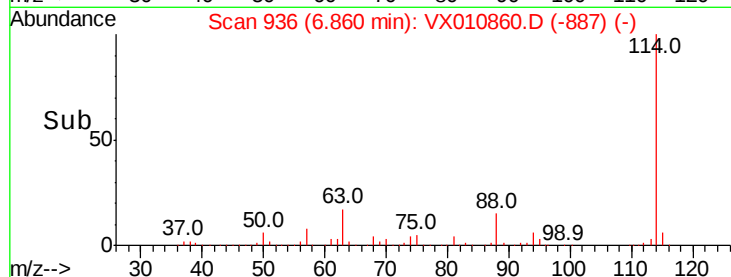
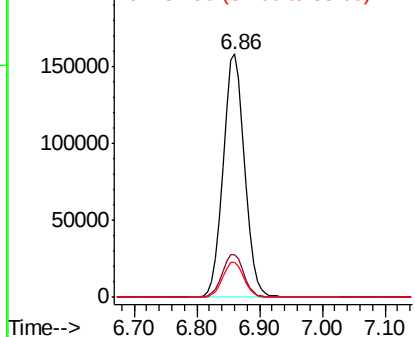
Tot Ion	Ratio	Resp	Lower	Upper
114	100	374305		
63	17.3	0.0	33.8	
88	14.5	0.0	27.6	

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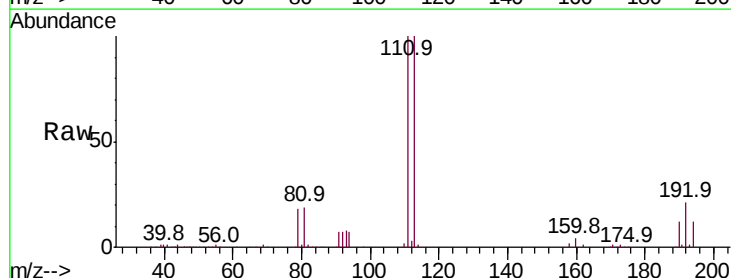


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

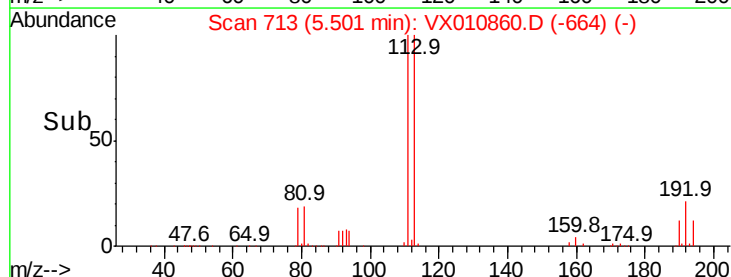
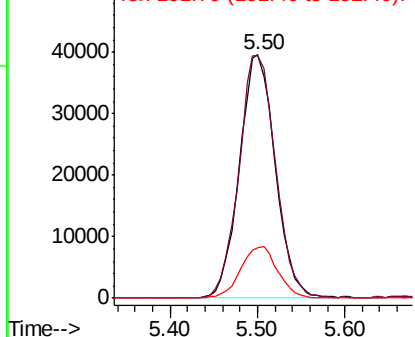


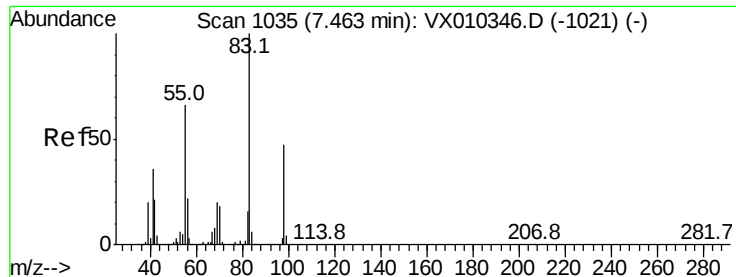
#35
Dibromofluoromethane
Concen: 49.237 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	112760		
111	102.1	81.2	121.8	
192	21.7	18.6	27.8	



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





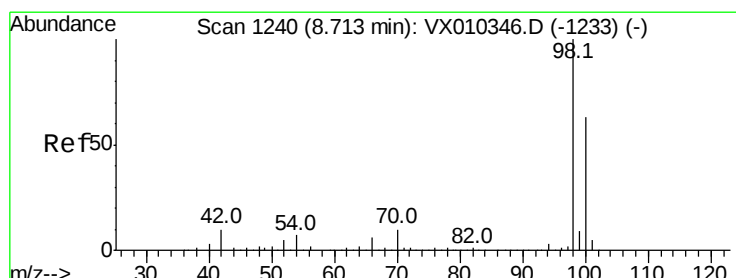
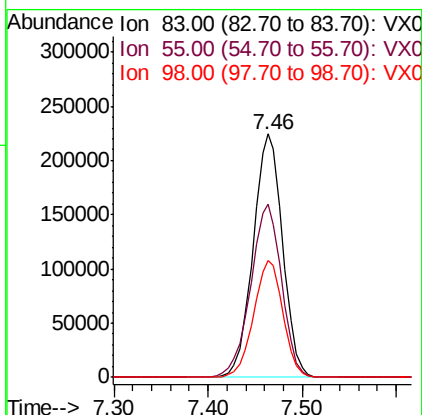
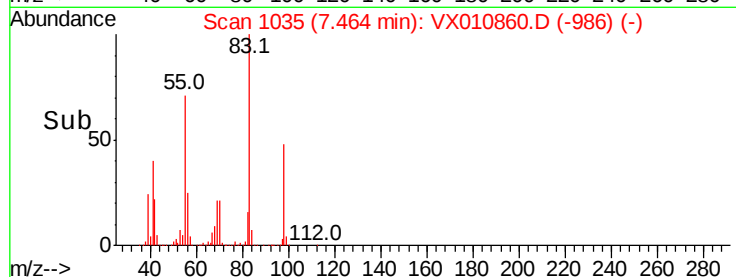
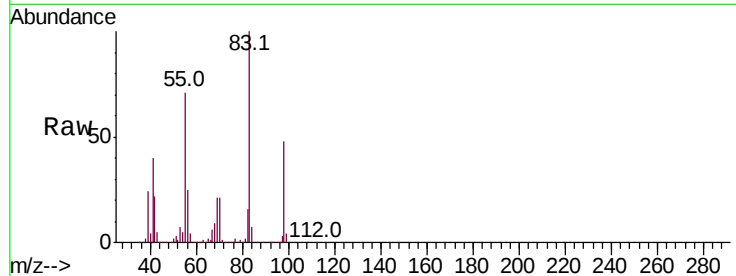
#39
Methvlcvclohexane
Concen: 126.161 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampleId :
FL-0593

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	53.0	79.6
98	48.0	37.8	56.8

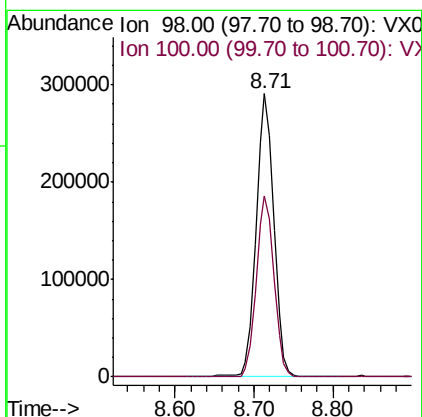
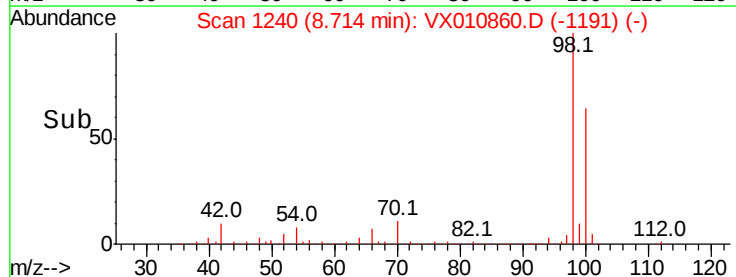
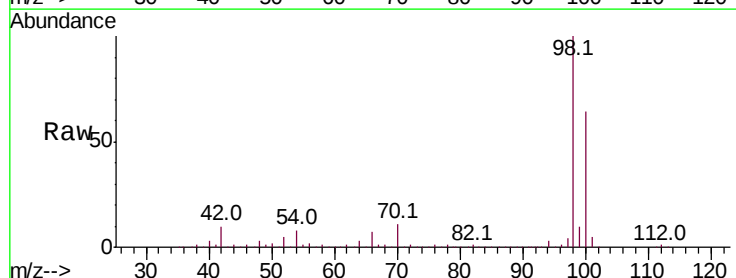
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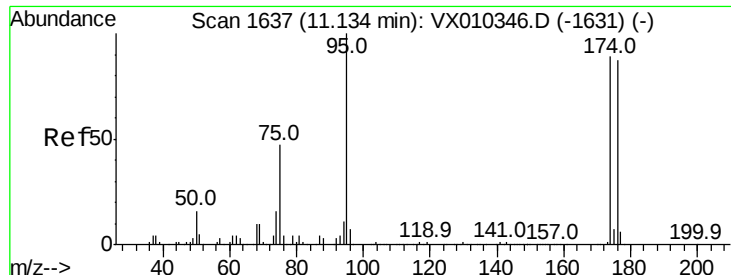
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#50
Toluene-d8
Concen: 52.042 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.6	77.4





#62

4-Bromofluorobenzene

Concen: 51.122 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

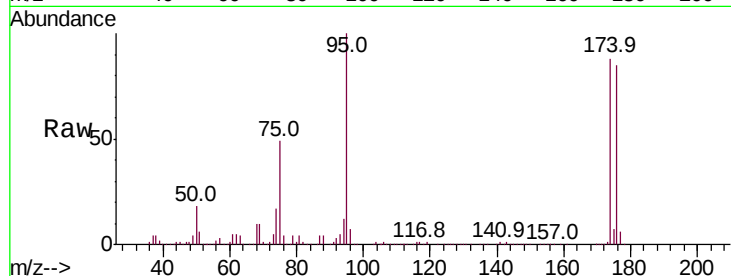
ClientSampleId :

FL-0593

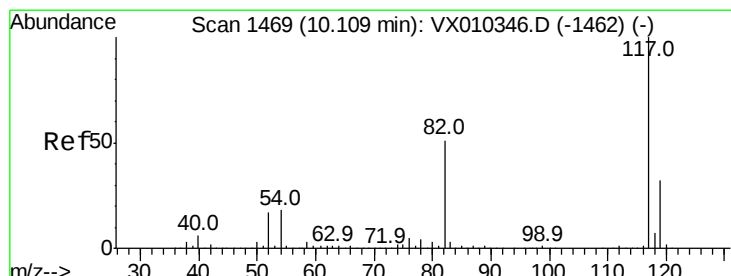
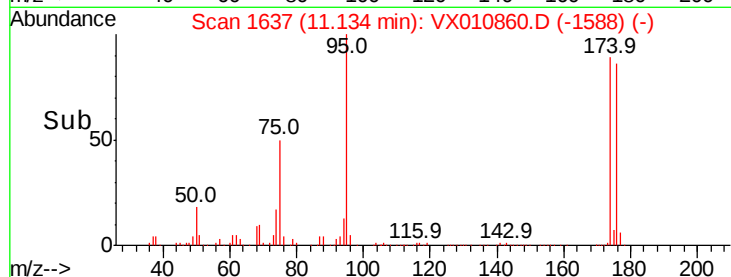
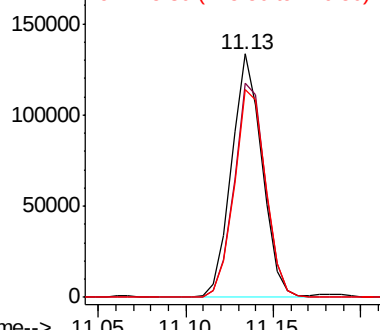
Tot Ion:	95	Resp:	161707
Ion Ratio	Lower	Upper	
95	100		
174	90.3	0.0	187.6
176	88.6	0.0	184.0

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Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

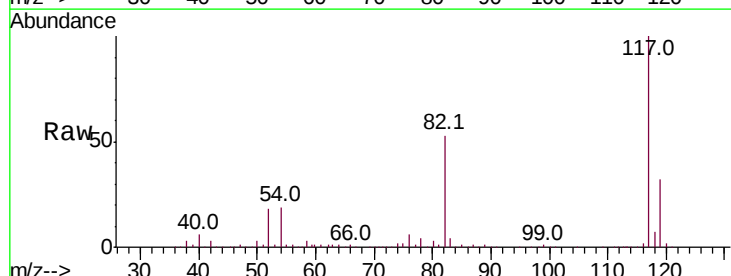
RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

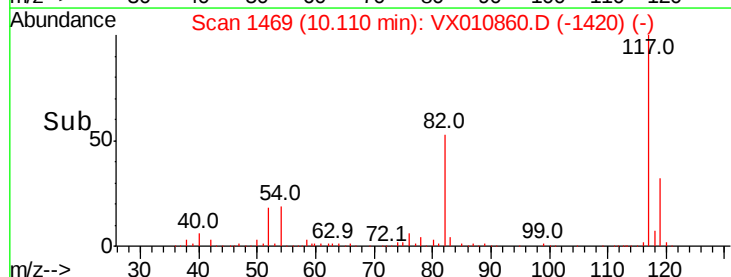
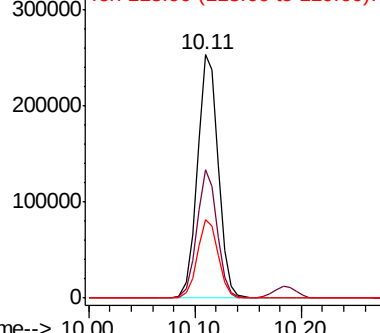
Lab File: VX010860.D

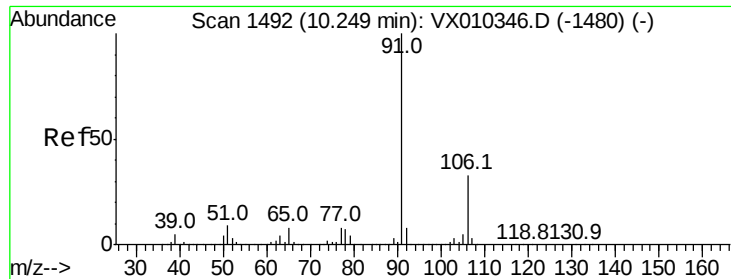
Acq: 13 Jul 2019 00:59

Tgt Ion:	117	Resp:	346718
Ion Ratio	Lower	Upper	
117	100		
82	52.4	41.2	61.8
119	32.0	25.5	38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)





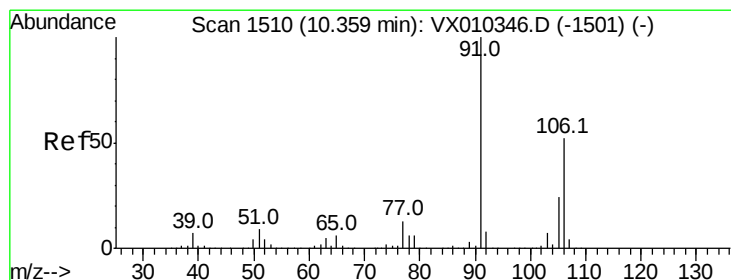
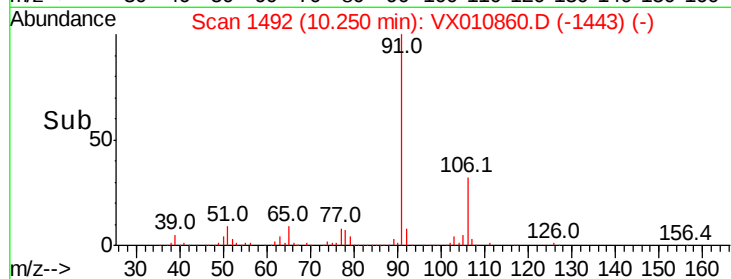
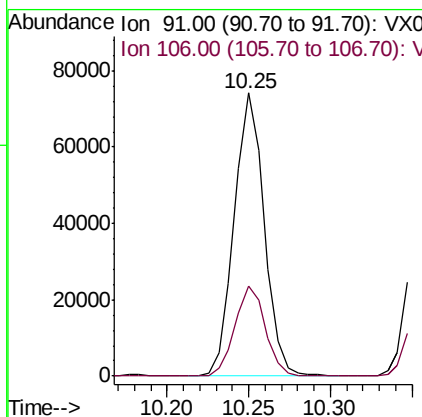
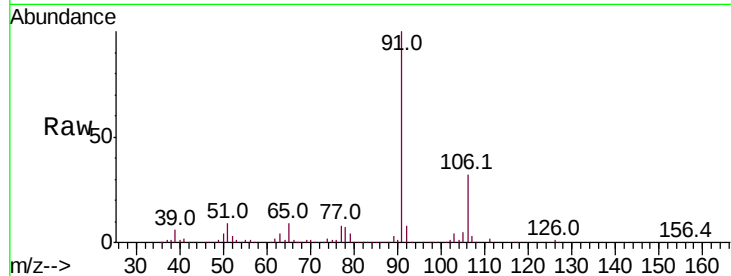
#67
Ethyl Benzene
Concen: 8.014 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampleId :
FL-0593

Tot Ion: 91 Resp: 95235
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.2

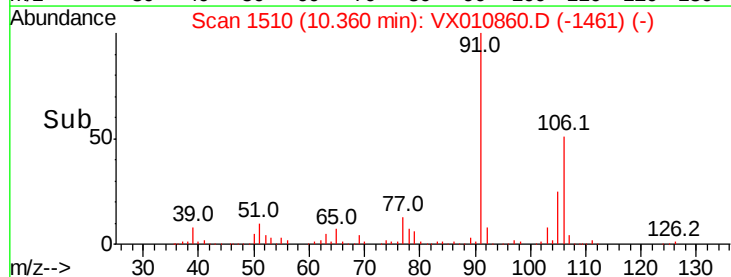
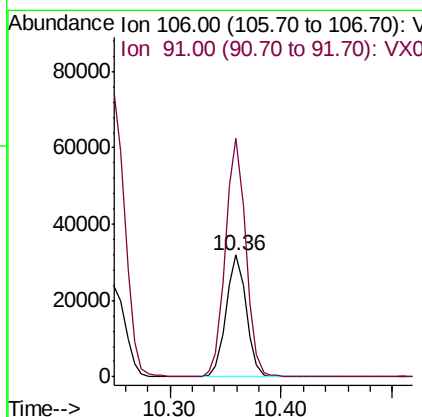
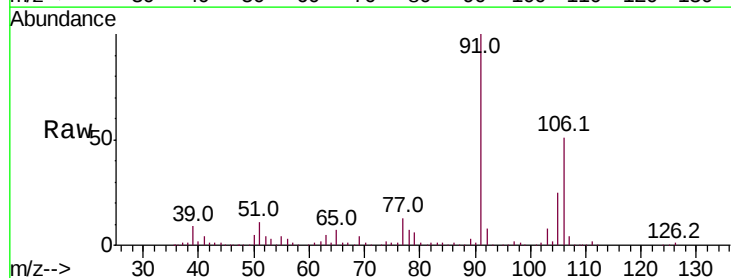
Manual Integrations
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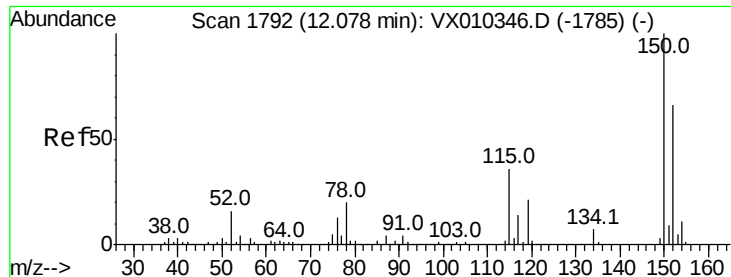
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#68
m/p-Xylenes
Concen: 8.763 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion: 106 Resp: 40348
Ion Ratio Lower Upper
106 100
91 199.3 155.3 232.9





#72

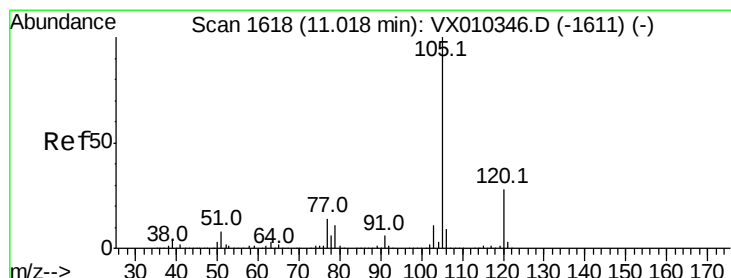
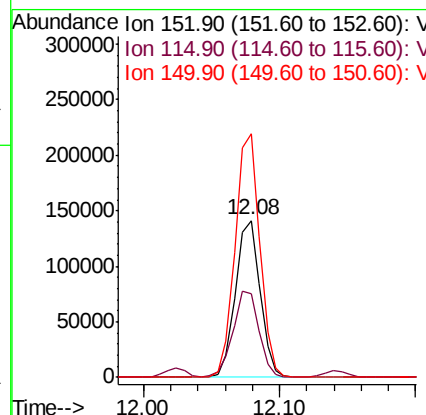
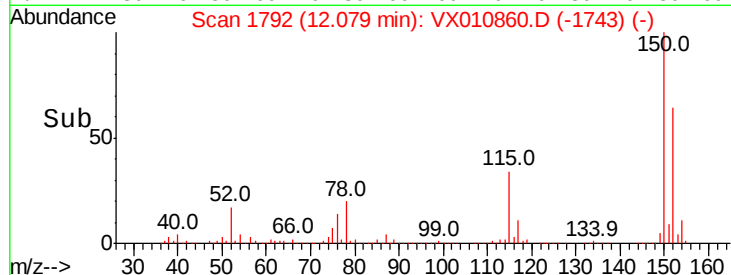
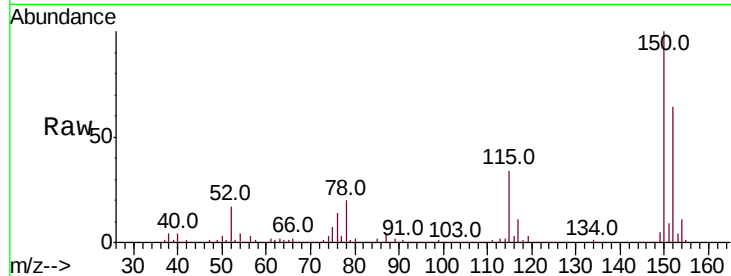
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampleId :
FL-0593

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	38.6	115.7
150	155.2	0.0	347.4

Manual Integrations
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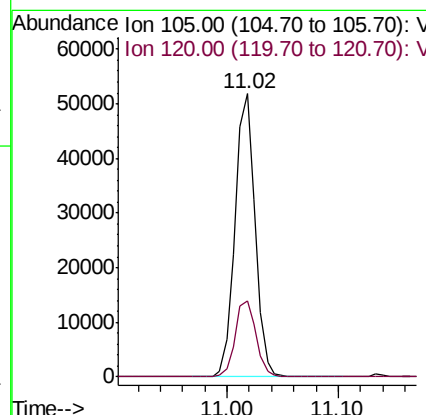
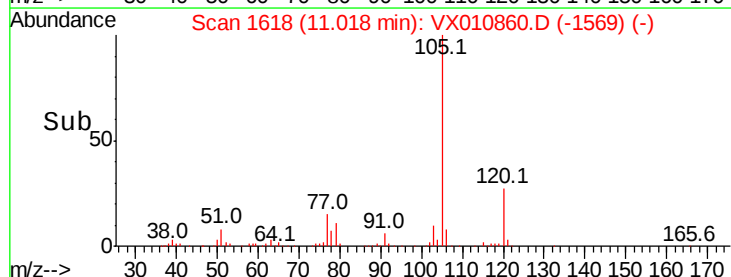
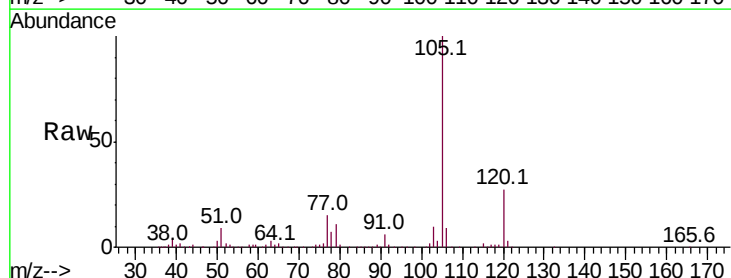
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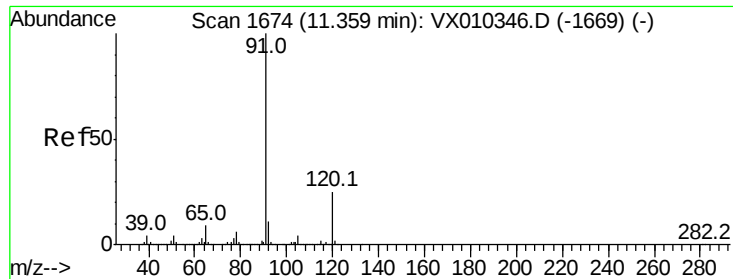


#73

Isopropylbenzene
Concen: 5.344 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	14.1	42.4





#78

n-propylbenzene

Concen: 15.222 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0593

Tot Ion: 91 Resp: 201932

Ion Ratio Lower Upper

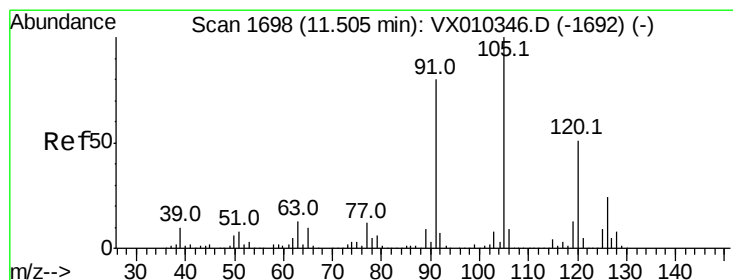
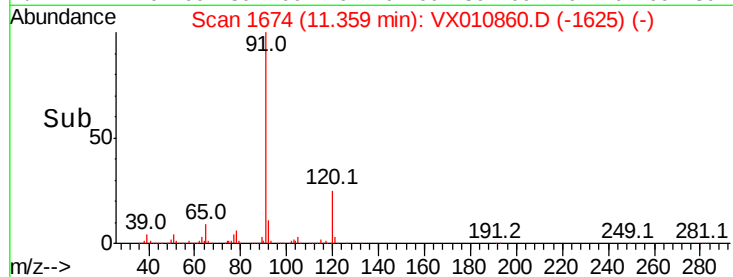
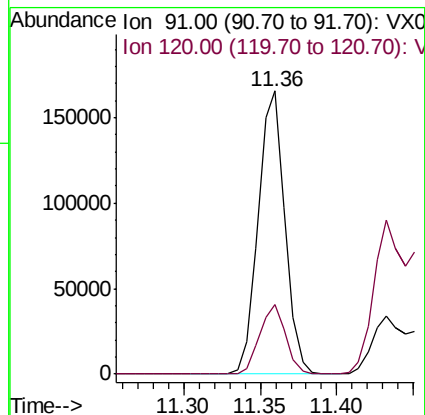
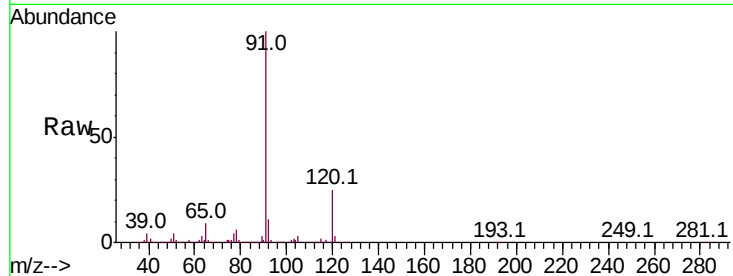
91 100

120 24.0 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 24.209 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010860.D

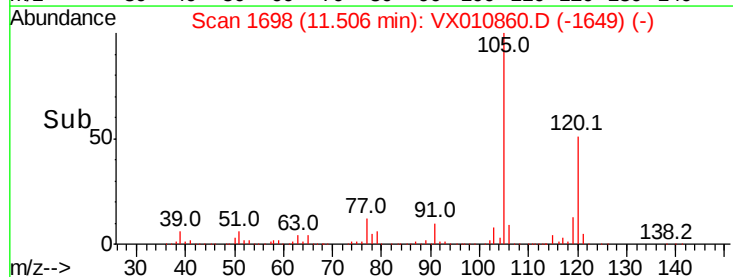
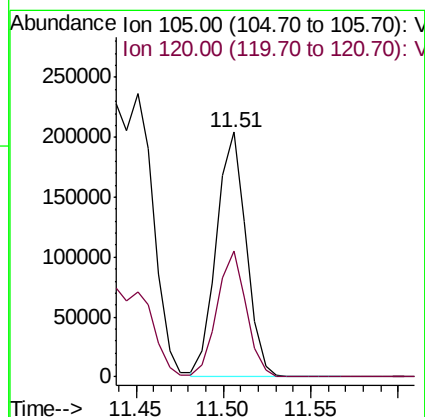
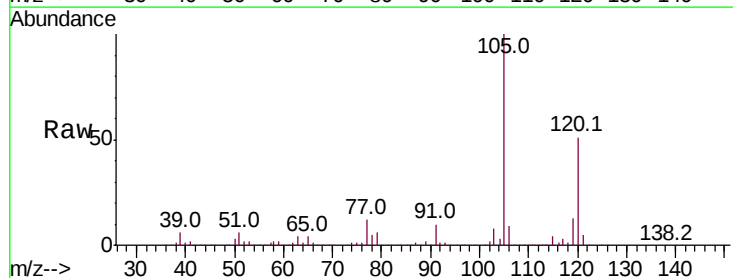
Acq: 13 Jul 2019 00:59

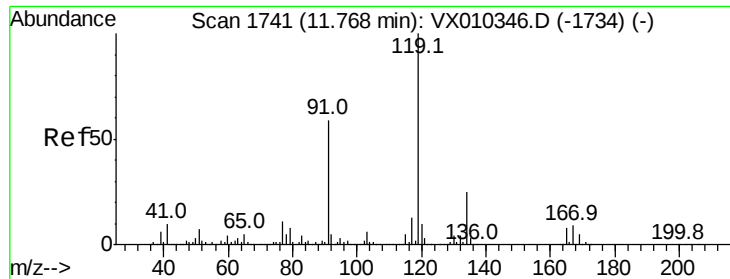
Tgt Ion: 105 Resp: 240900

Ion Ratio Lower Upper

105 100

120 50.8 25.2 75.6





#83

tert-Butylbenzene

Concen: 0.464 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0593

Tot Ion:119 Resp: 4630

Ion Ratio Lower Upper

119 100

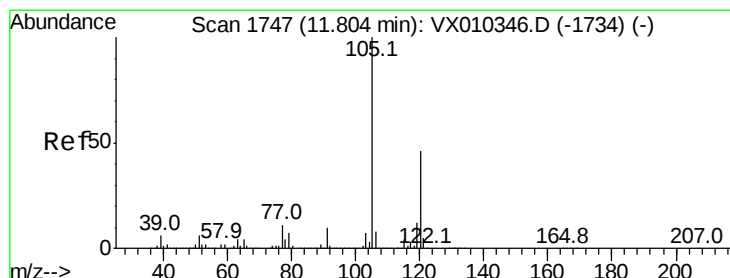
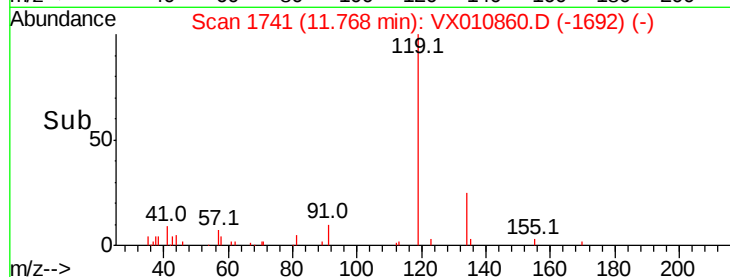
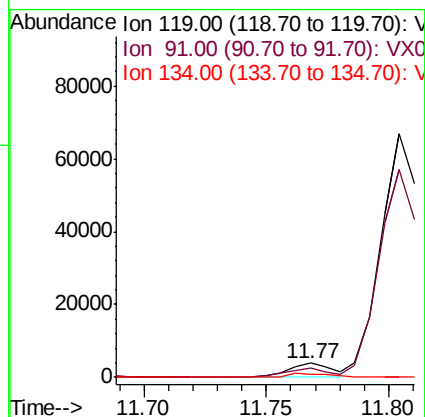
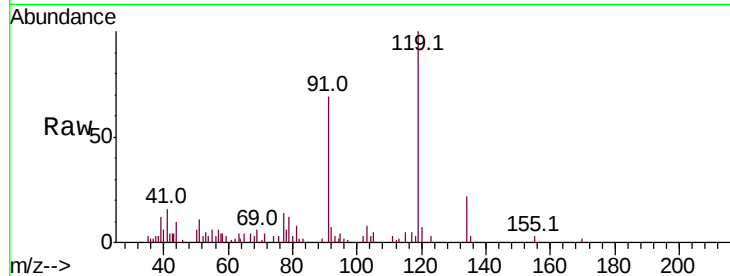
91 72.7 27.6 82.7

134 27.5 11.8 35.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 64.520 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010860.D

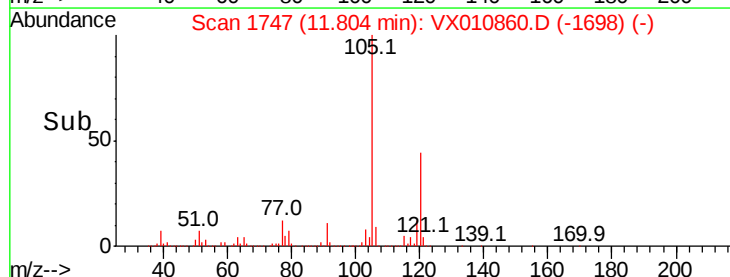
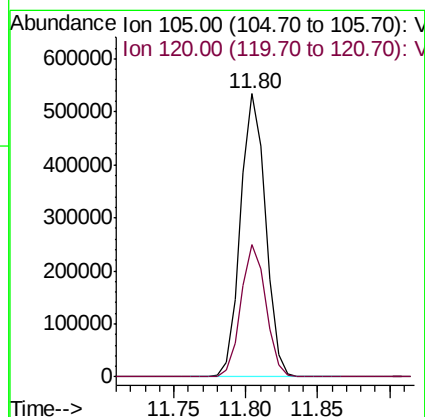
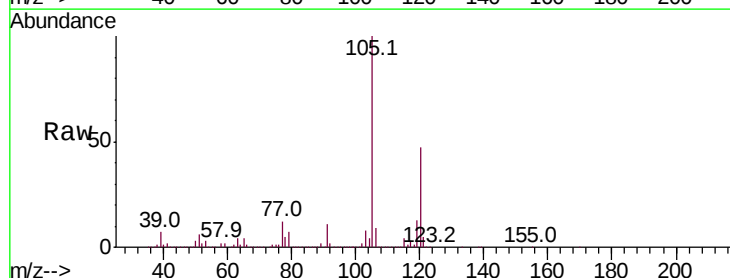
Acq: 13 Jul 2019 00:59

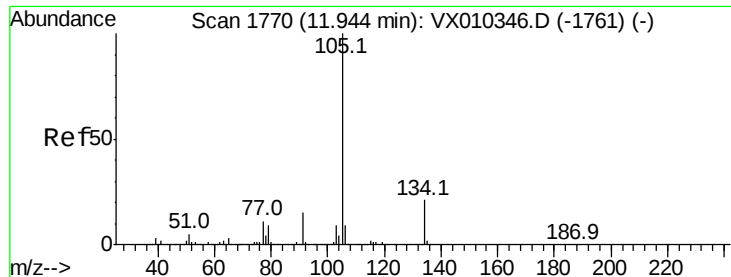
Tgt Ion:105 Resp: 645029

Ion Ratio Lower Upper

105 100

120 46.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 10.066 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

FL-0593

Tot Ion:105 Resp: 118043

Ion Ratio Lower Upper

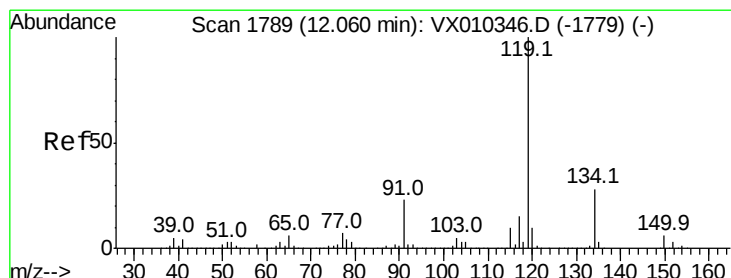
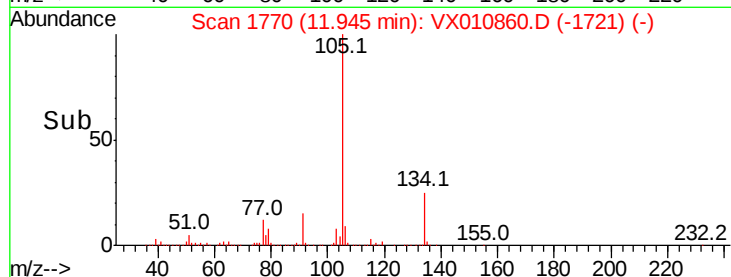
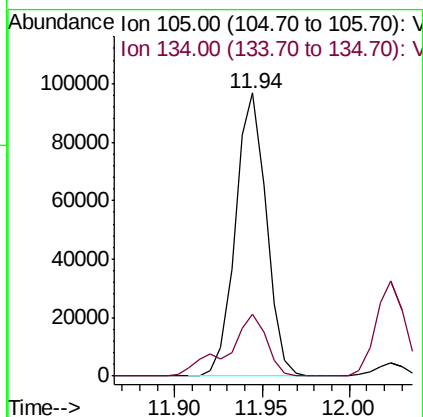
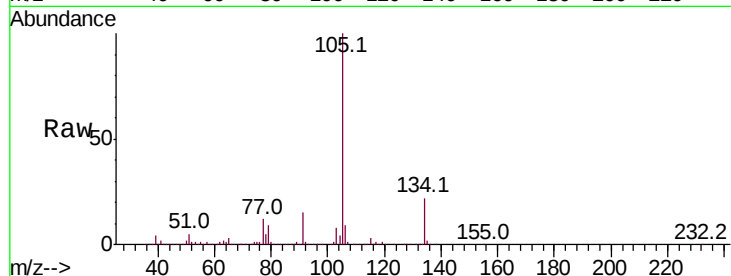
105 100

134 28.1 10.7 31.9

Manual Integrations
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7/15/2019 10:59:40 AM



#86

p-Isopropyltoluene

Concen: 6.640 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

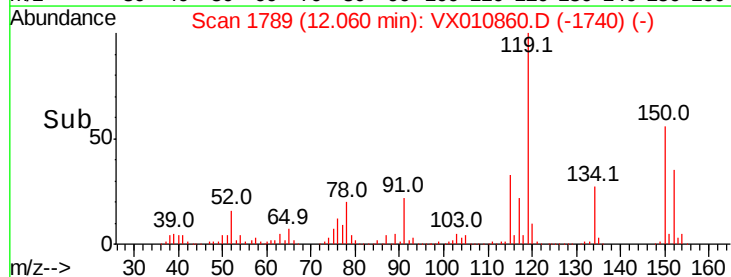
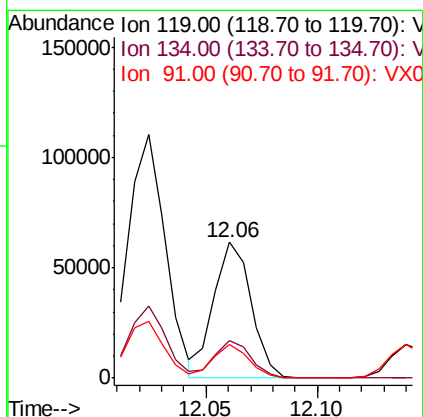
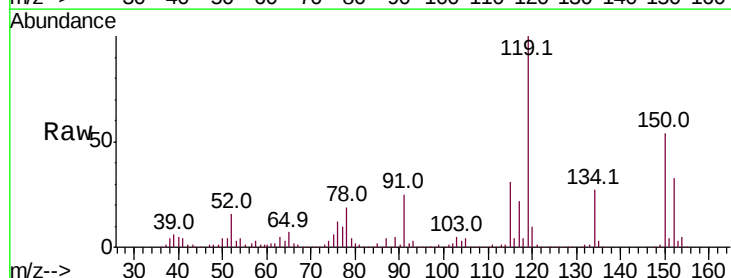
Tgt Ion:119 Resp: 72022

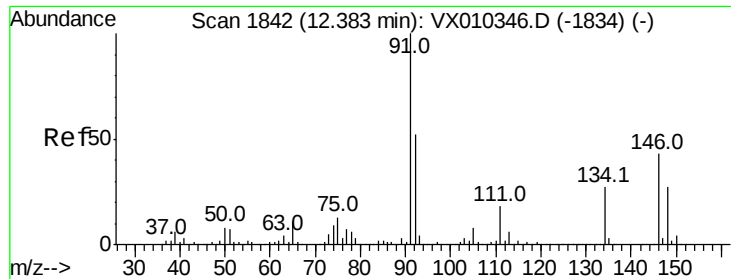
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 23.6 11.3 33.8





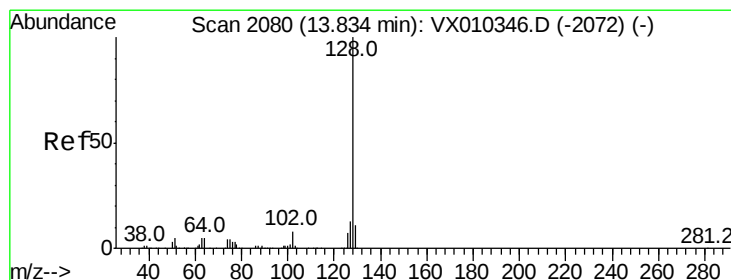
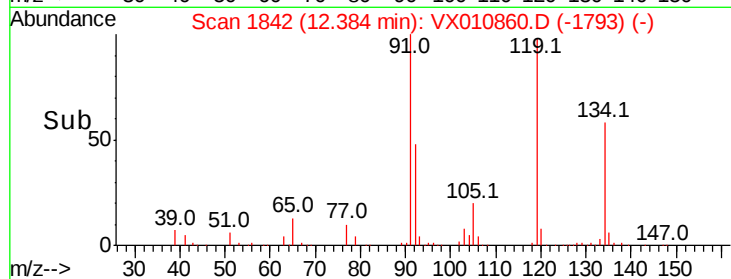
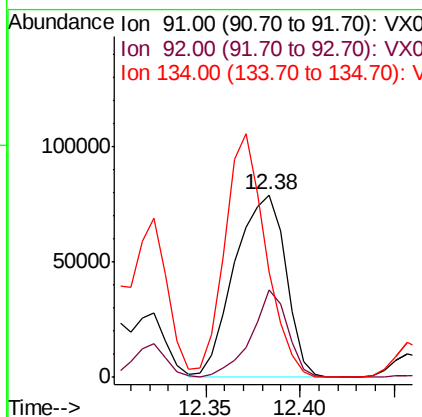
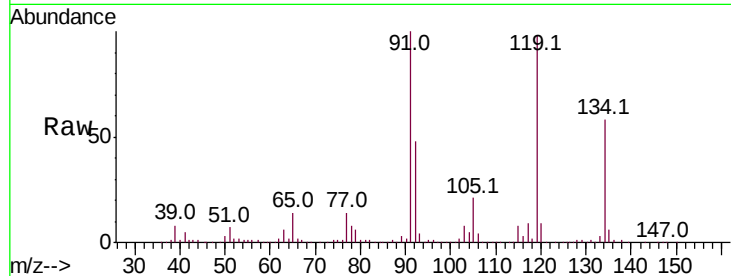
#89
n-Butylbenzene
Concen: 16.096 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampled :
FL-0593

Tot Ion	Ratio	Lower	Upper
91	100		
92	34.1	26.2	78.5
134	107.4	14.1	42.4#

Manual Integrations
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#95
Naphthalene
Concen: 4.357 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.2	15.4
129	15.4	8.9	13.3#

