

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010970.D
 Acq On : 18 Jul 2019 19:39
 Operator : JC/SP
 Sample : K3884-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0630

Manual Integrations
 APPROVED

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 7/22/2019 12:23:43 PM

Quant Time: Jul 19 04:44:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	242361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	344380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169449	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	133720	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
35) Dibromofluoromethane	5.50	113	117265	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
50) Toluene-d8	8.71	98	451395	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	166454	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	978458	279.495	ug/l	99
39) Methylcyclohexane	7.46	83	634823	159.776	ug/l	97
67) Ethyl Benzene	10.25	91	1447847	120.257	ug/l	100
68) m/p-Xylenes	10.36	106	965897	209.146	ug/l	99
69) o-Xylene	10.69	106	17315	3.842	ug/l	94
73) Isopropylbenzene	11.02	105	179624	15.688	ug/l	100
78) n-propylbenzene	11.36	91	245189	19.381	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	529683	55.364	ug/l	100
83) tert-Butylbenzene	11.77	119	10865m	1.156	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	3746564	388.530	ug/l	100
85) sec-Butylbenzene	11.94	105	59595m	5.412	ug/l	
86) p-Isopropyltoluene	12.06	119	74954	7.363	ug/l	99
89) n-Butylbenzene	12.37	91	84164	9.664	ug/l #	17
95) Naphthalene	13.83	128	1136791	104.576	ug/l	100

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

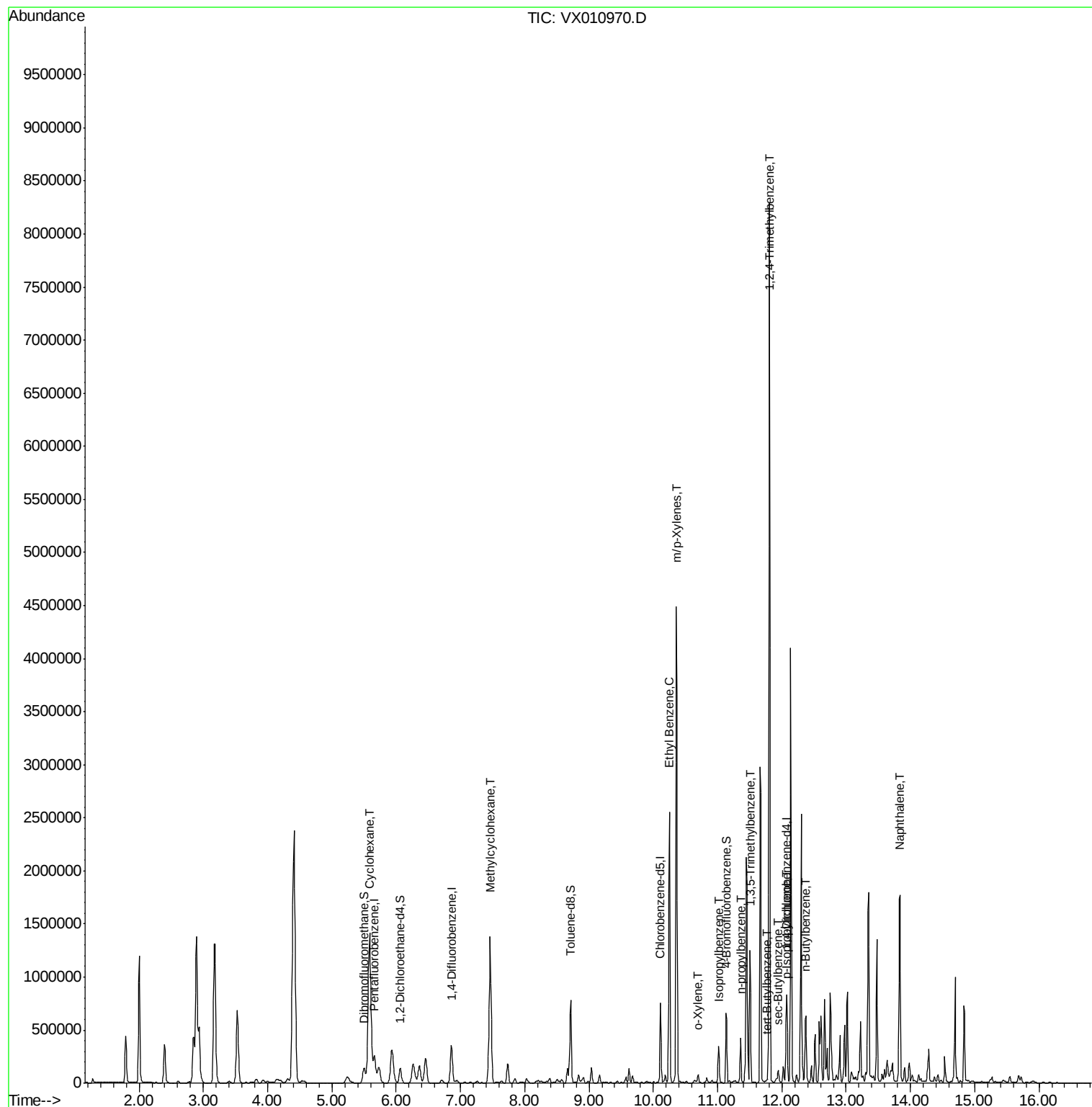
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010970.D
Acq On : 18 Jul 2019 19:39
Operator : JC/SP
Sample : K3884-10
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ALS Vial : 25 Sample Multiplier: 1

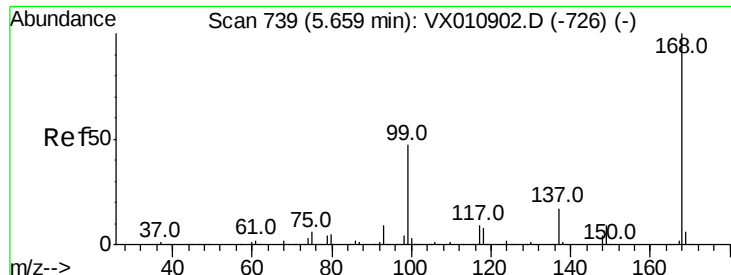
Instrument :
MSVOA_X
ClientSampleId :
FL-0630

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Quant Time: Jul 19 04:44:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0630

Tot Ion:168 Resp: 242361

Ion Ratio Lower Upper

168 100

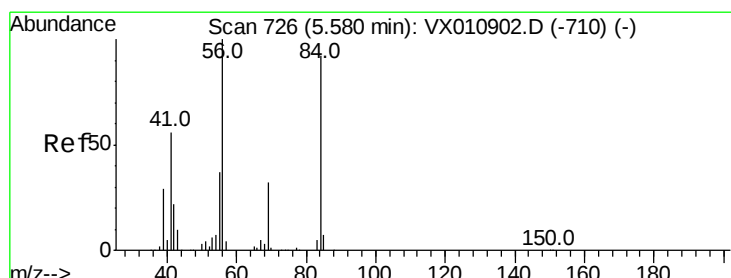
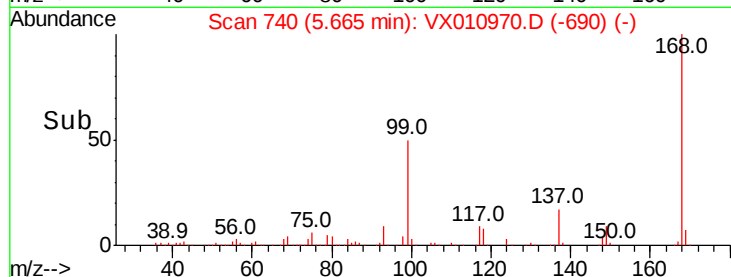
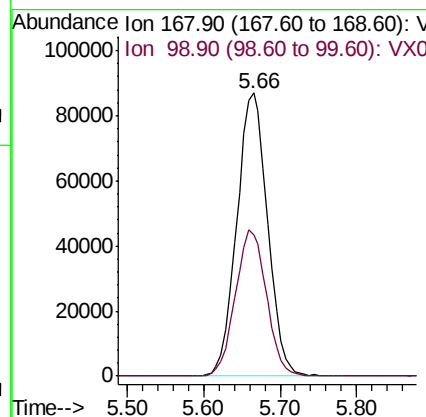
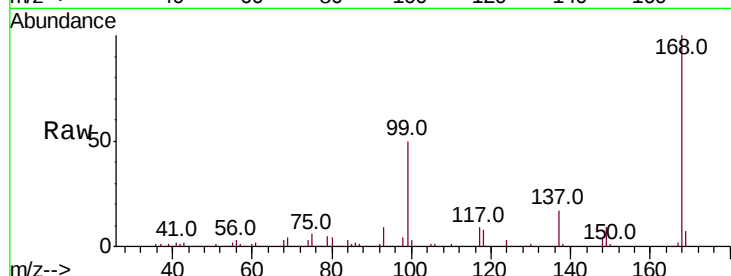
99 49.8 37.6 56.4

Manual Integrations

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#31

Cyclohexane

Concen: 279.495 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

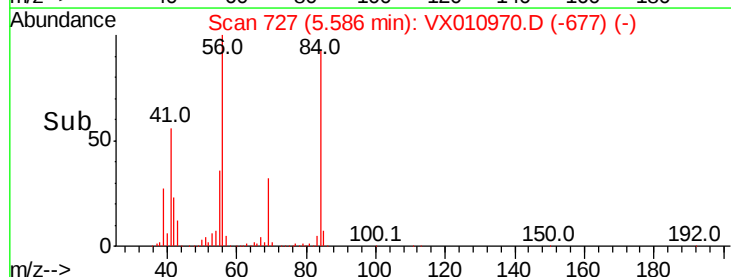
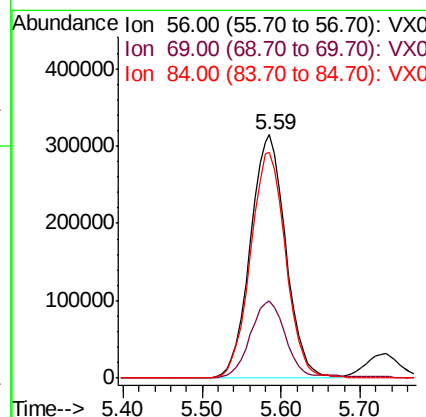
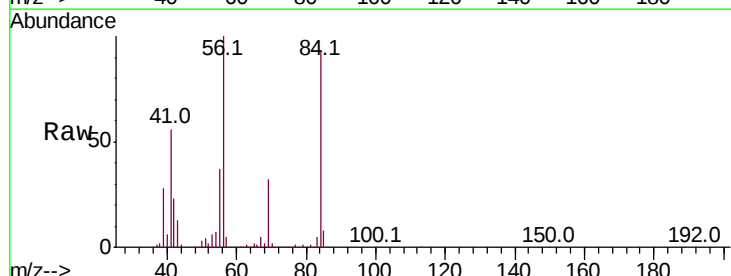
Tgt Ion: 56 Resp: 978458

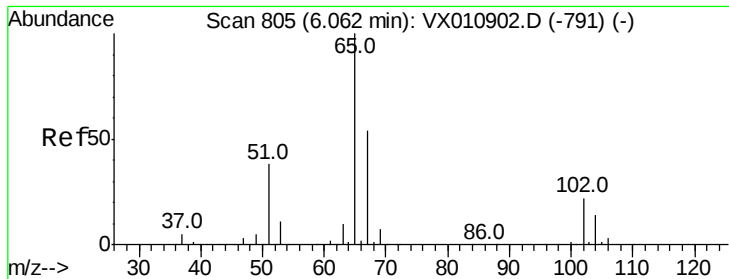
Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.8

84 93.0 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 51.863 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0630

Tot Ion: 65 Resp: 133720

Ion Ratio Lower Upper

65 100

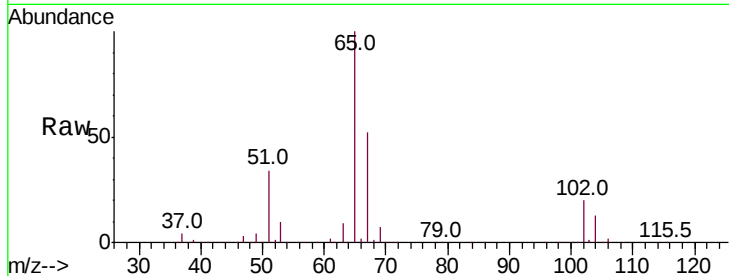
67 51.8 0.0 107.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

20000

10000

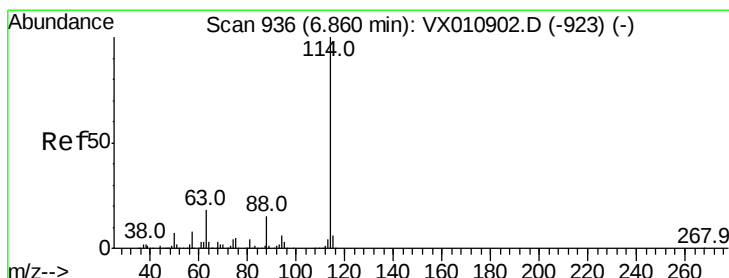
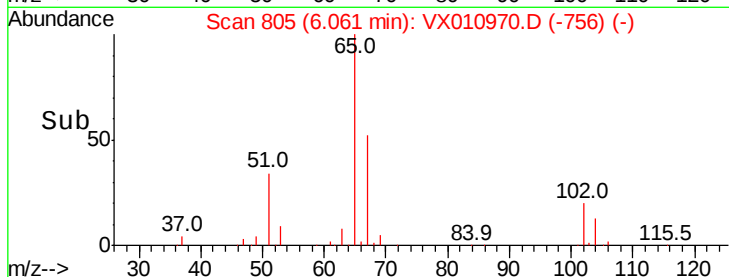
0

6.06

6.10

6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

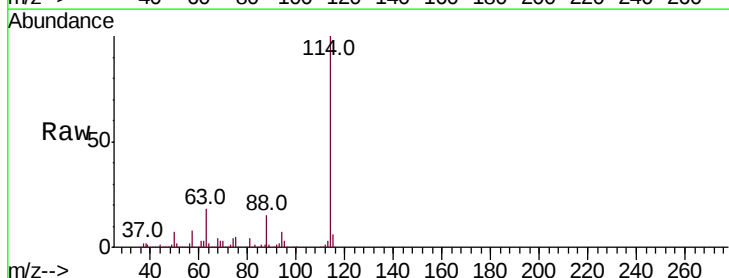
Tgt Ion:114 Resp: 372998

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 15.4 0.0 29.8



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

200000

150000

100000

50000

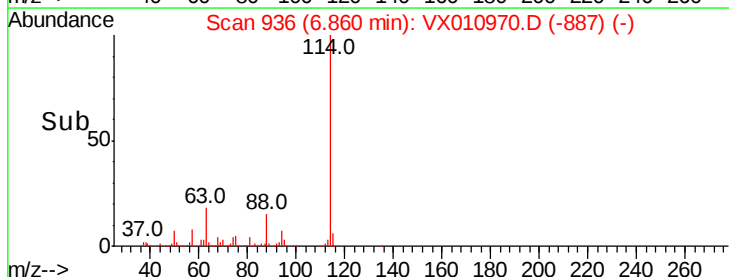
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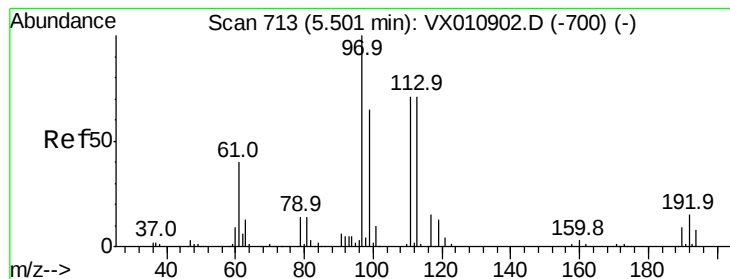
6.86

6.90

7.00

Time-->





#35

Dibromofluoromethane

Concen: 49.531 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0630

Tot Ion:113 Resp: 117265

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

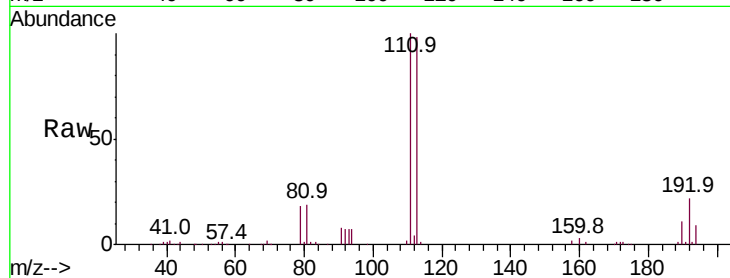
192 21.8 17.4 26.2

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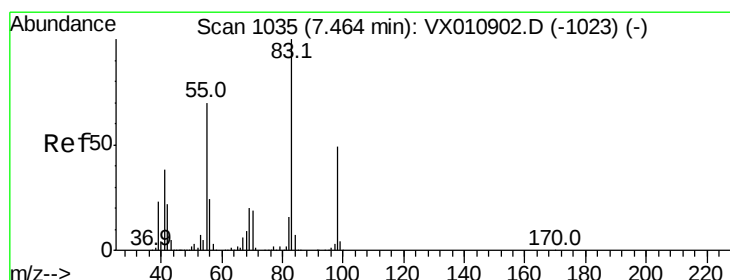
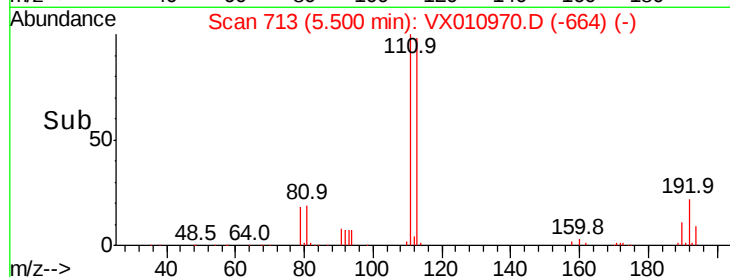
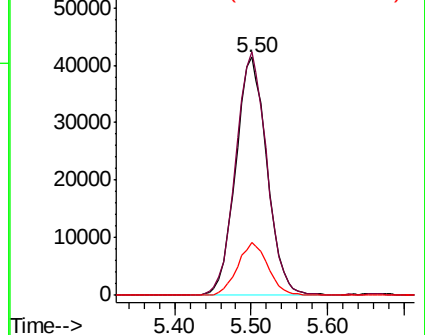
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 159.776 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

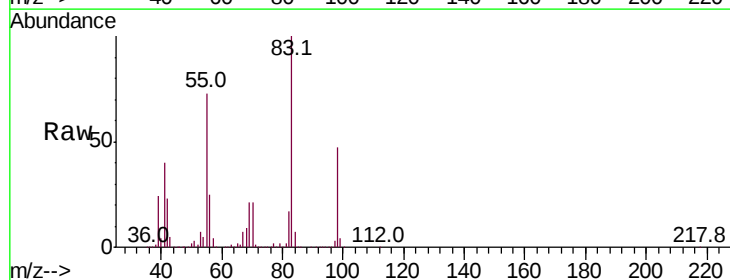
Tgt Ion: 83 Resp: 634823

Ion Ratio Lower Upper

83 100

55 73.2 56.2 84.4

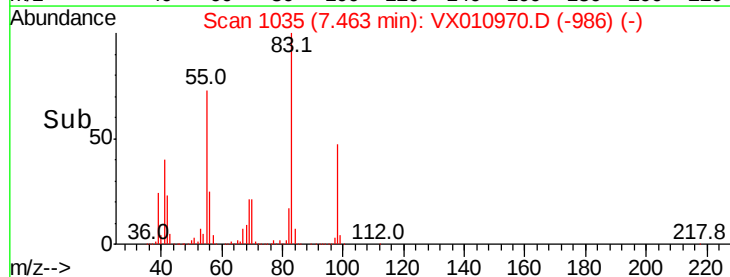
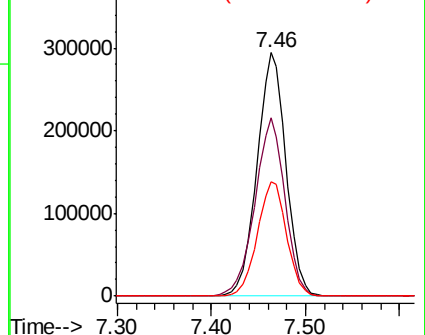
98 46.7 39.0 58.4

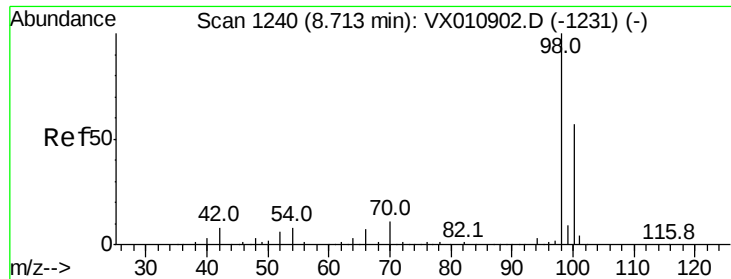


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





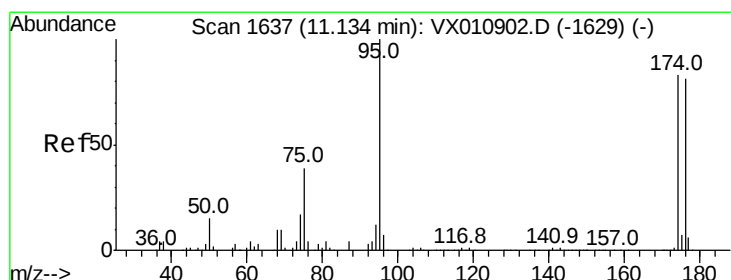
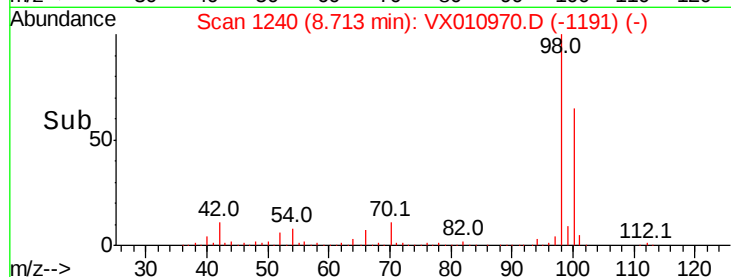
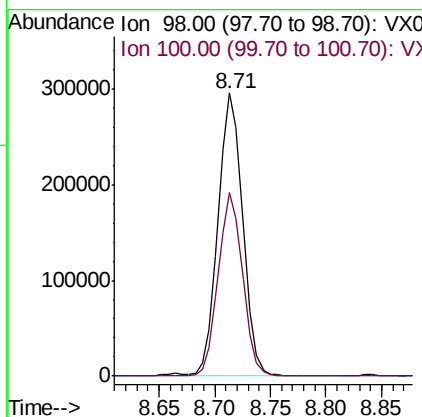
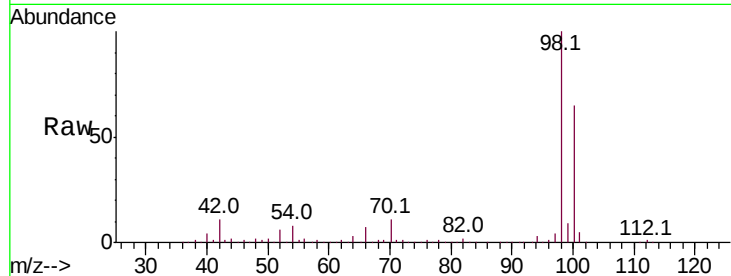
#50
Toluene-d8
Concen: 50.835 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
FL-0630

Tot Ion: 98 Resp: 451395
Ion Ratio Lower Upper
98 100
100 64.5 50.6 75.8

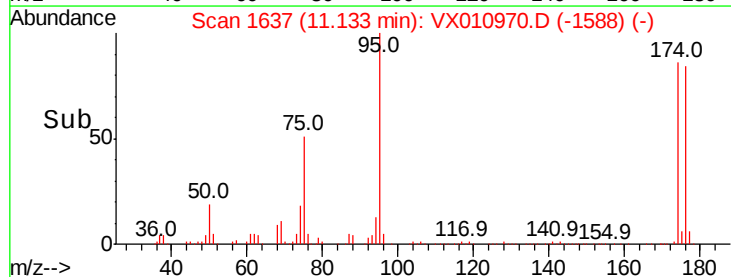
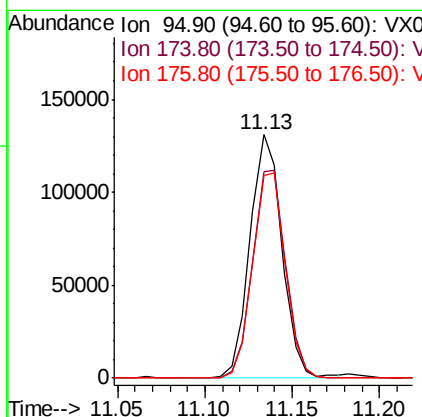
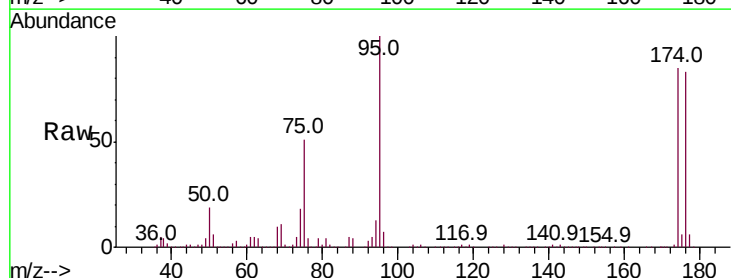
Manual Integrations
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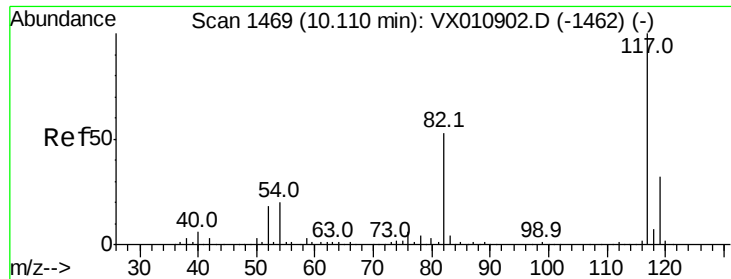
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#62
4-Bromofluorobenzene
Concen: 50.999 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Tgt Ion: 95 Resp: 166454
Ion Ratio Lower Upper
95 100
174 88.7 0.0 180.6
176 86.5 0.0 173.8





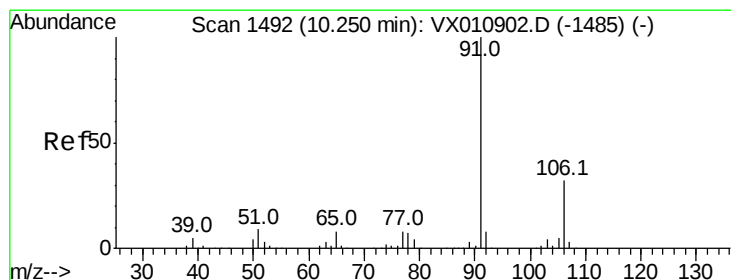
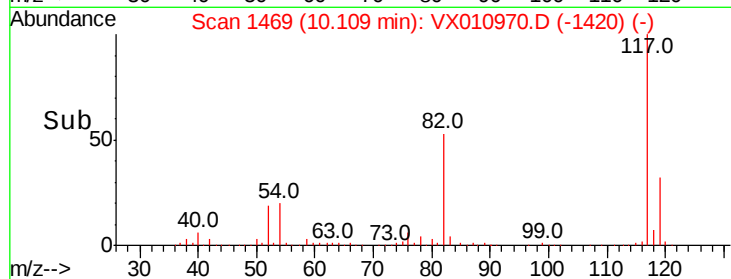
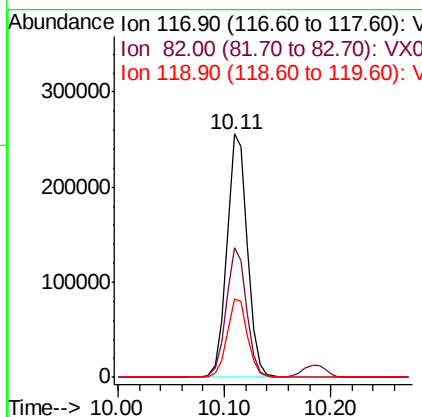
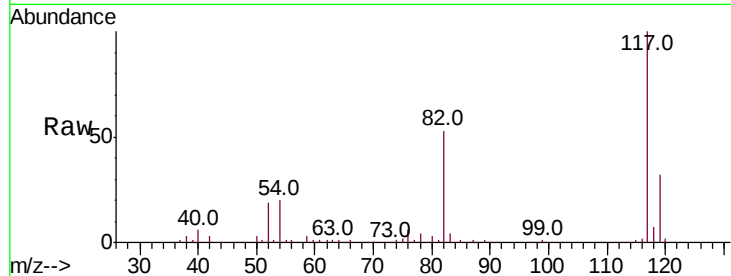
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
FL-0630

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.6	63.8
119	32.1	25.9	38.9

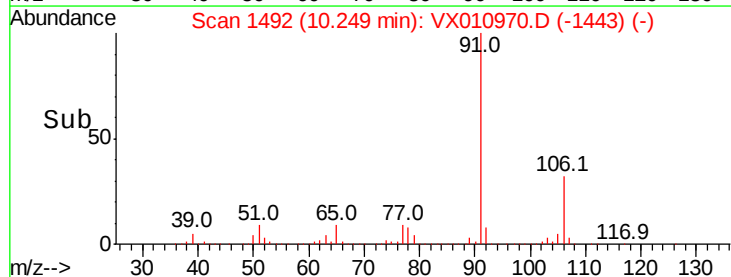
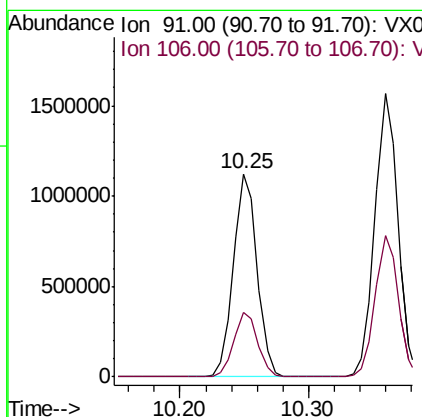
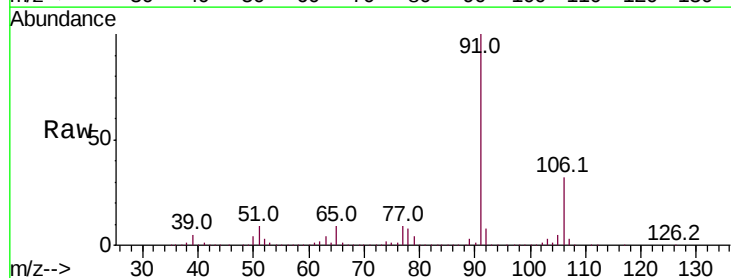
Manual Integrations
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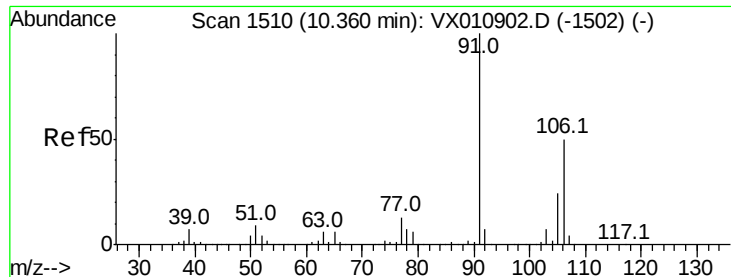
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#67
Ethyl Benzene
Concen: 120.257 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2





#68

m/p-Xvlenes

Concen: 209.146 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0630

Tot Ion:106 Resp: 965897

Ion Ratio Lower Upper

106 100

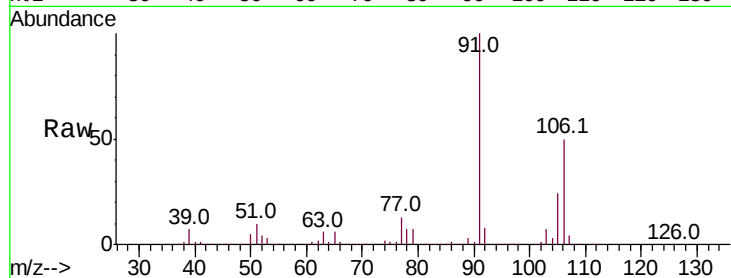
91 198.7 160.1 240.1

Manual Integrations

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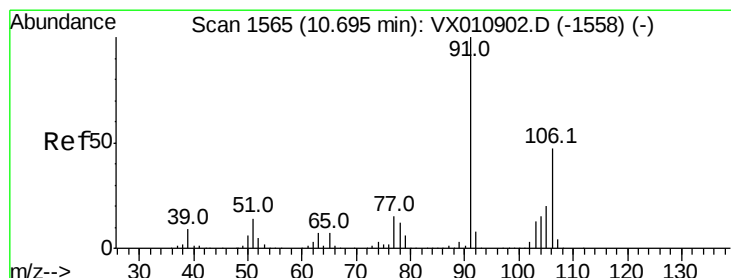
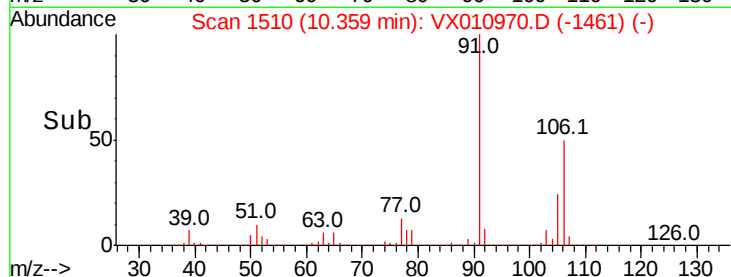
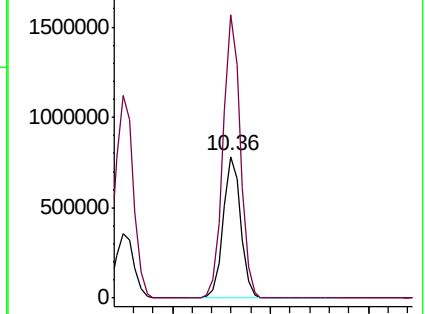
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 3.842 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010970.D

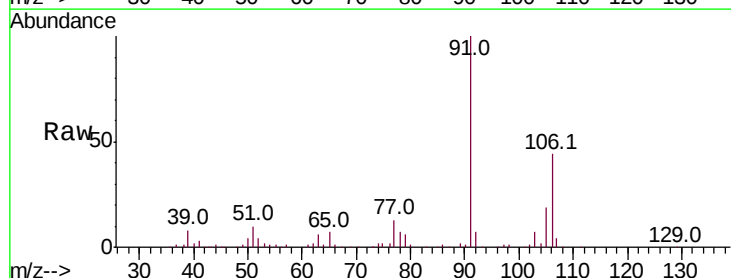
Acq: 18 Jul 2019 19:39

Tgt Ion:106 Resp: 17315

Ion Ratio Lower Upper

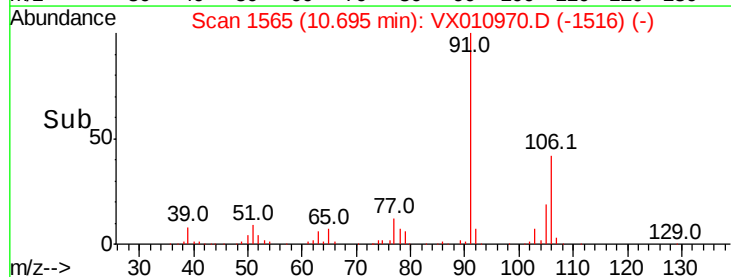
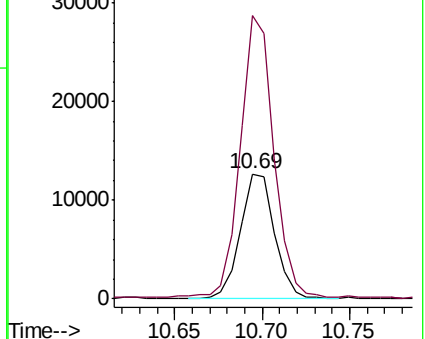
106 100

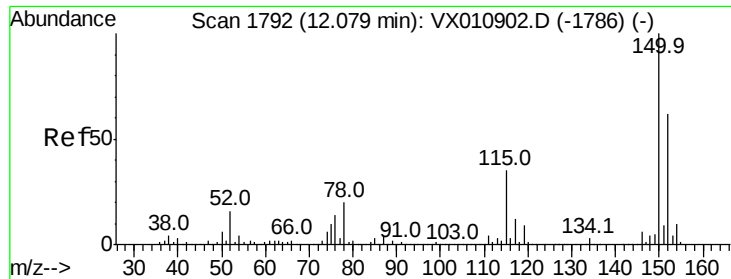
91 219.0 105.1 315.3



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

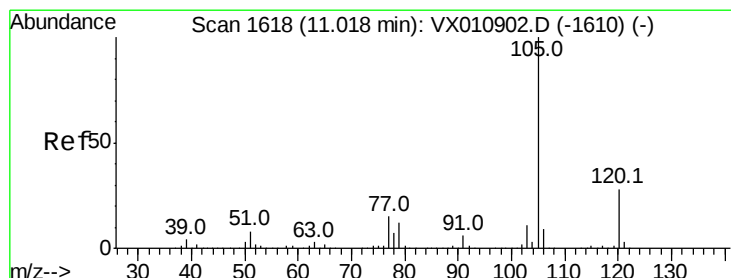
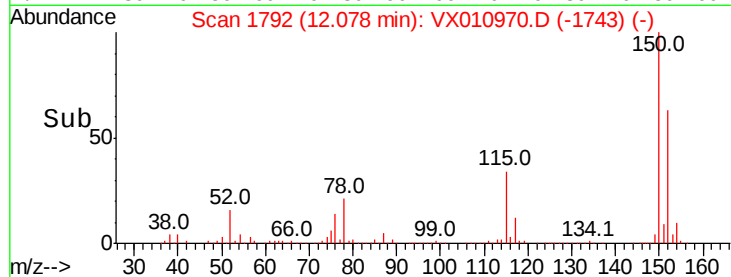
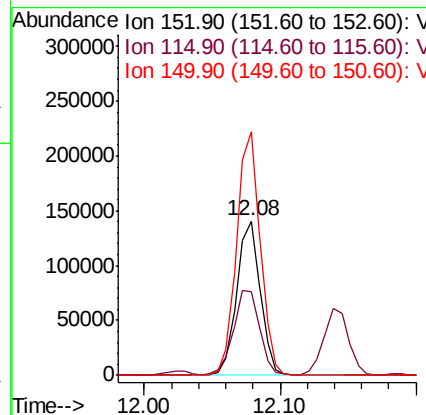
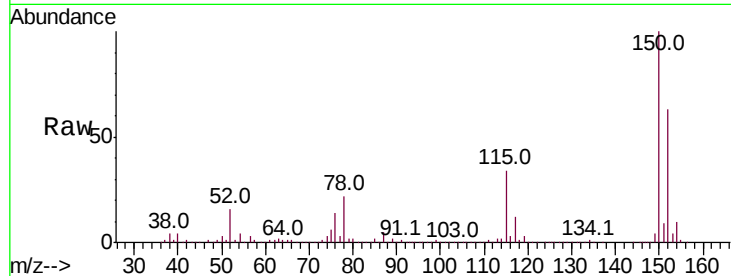
ClientSampleId :

FL-0630

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	39.7	119.1
150	158.2	0.0	345.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 15.688 ug/l

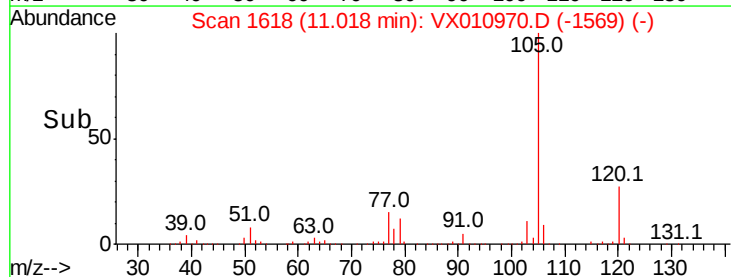
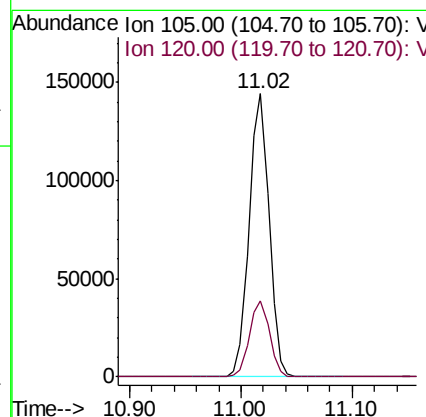
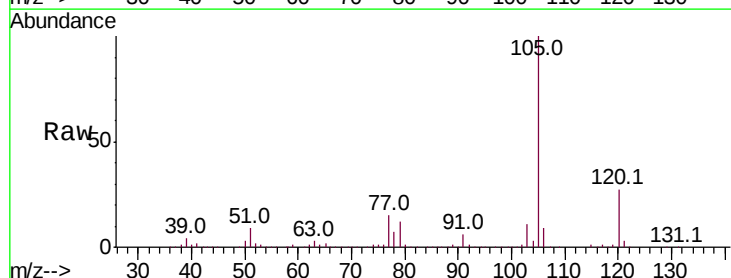
RT: 11.02 min Scan# 1618

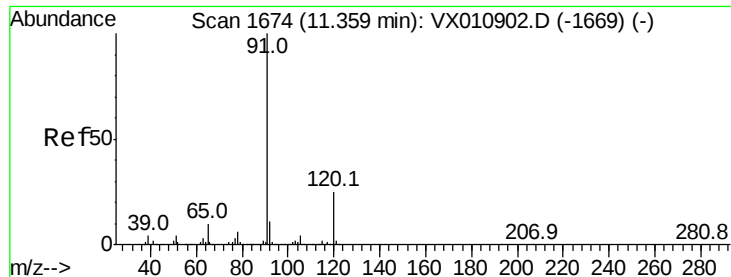
Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.7	41.1





#78

n-propylbenzene

Concen: 19.381 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0630

Tot Ion: 91 Resp: 245189

Ion Ratio Lower Upper

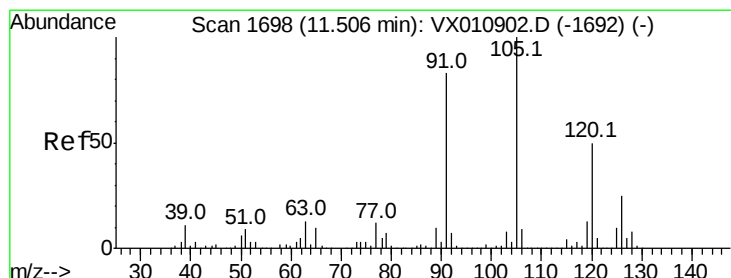
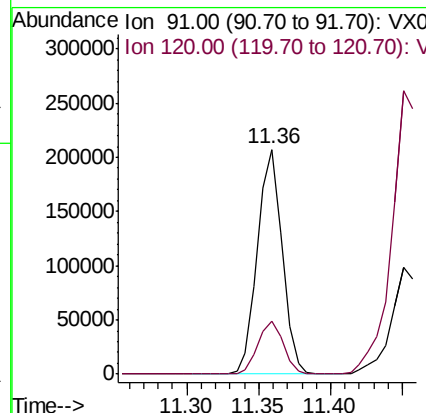
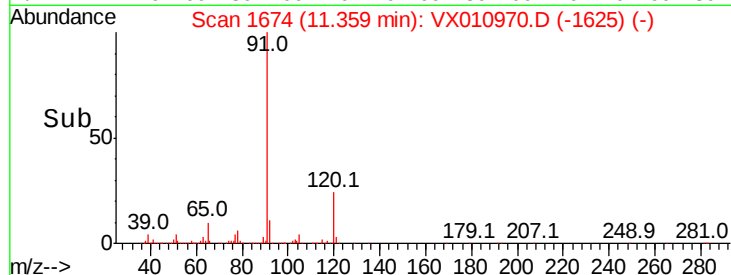
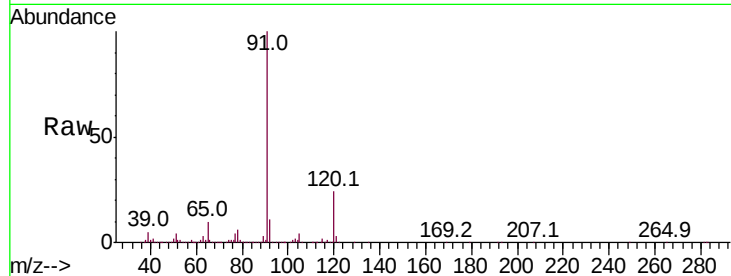
91 100

120 24.2 12.3 36.8

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#80

1,3,5-Trimethylbenzene

Concen: 55.364 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010970.D

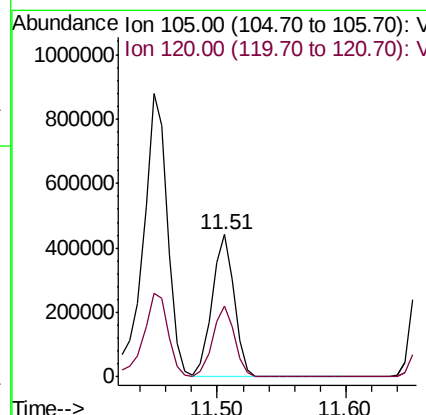
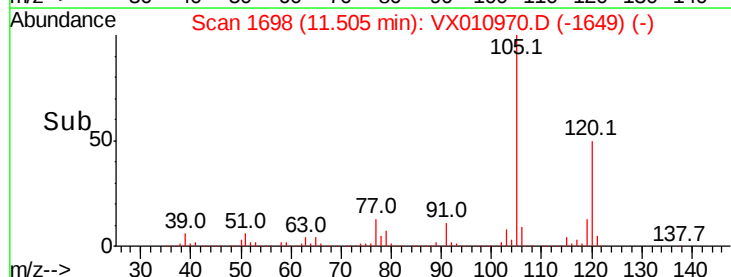
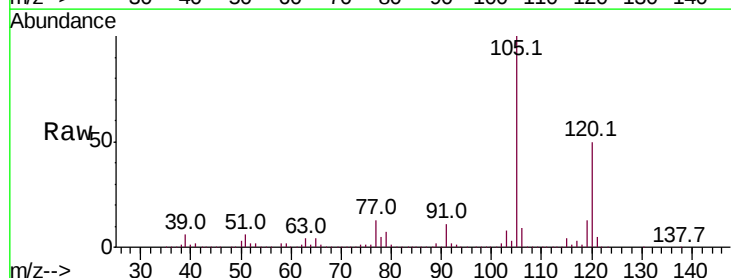
Acq: 18 Jul 2019 19:39

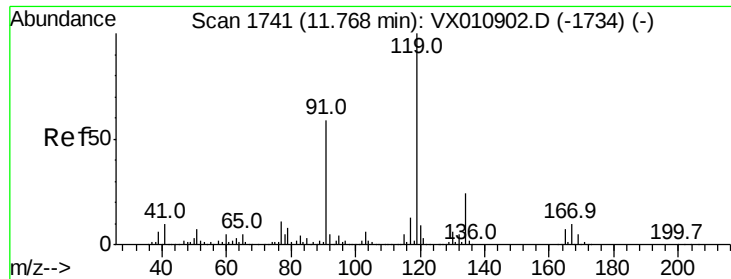
Tgt Ion: 105 Resp: 529683

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8





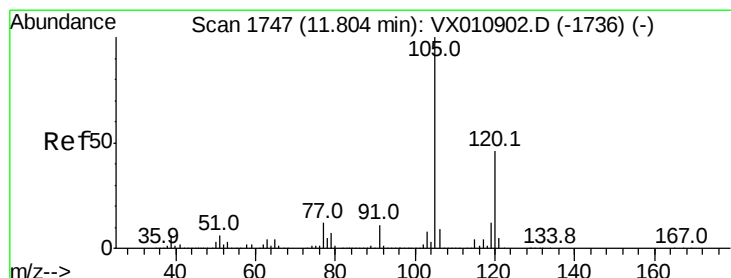
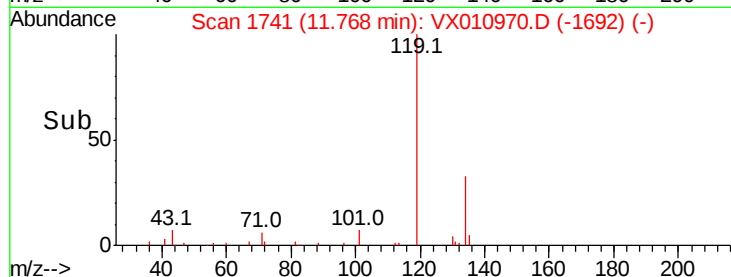
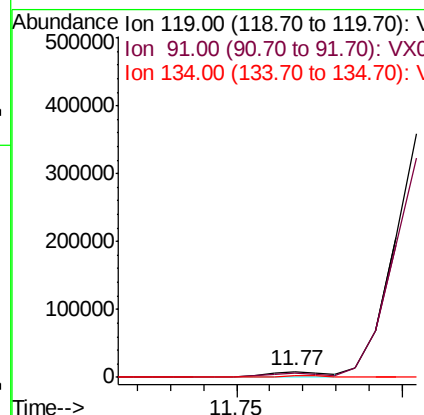
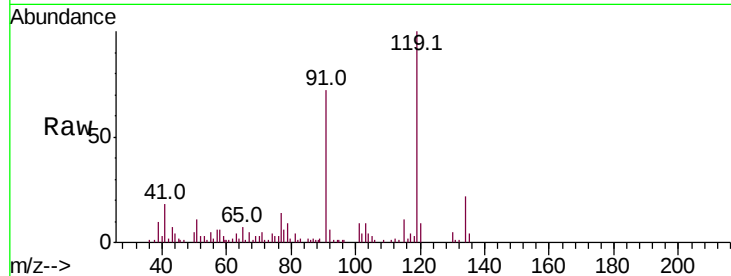
#83
tert-Butylbenzene
Concen: 1.156 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
FL-0630

Tot Ion:119 Resp: 10865
Ion Ratio Lower Upper
119 100
91 3777.6 28.6 85.8
134 0.0 11.6 34.8#

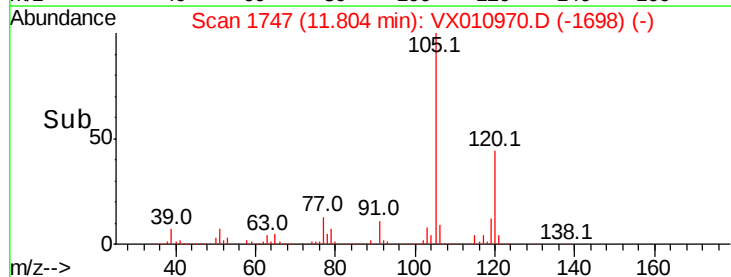
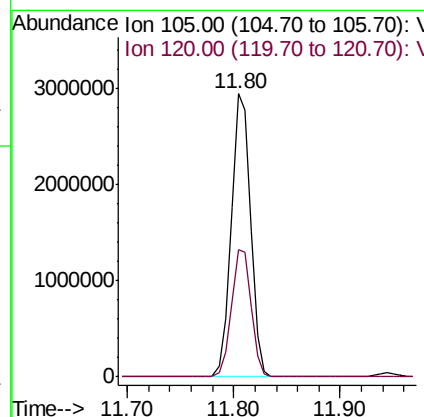
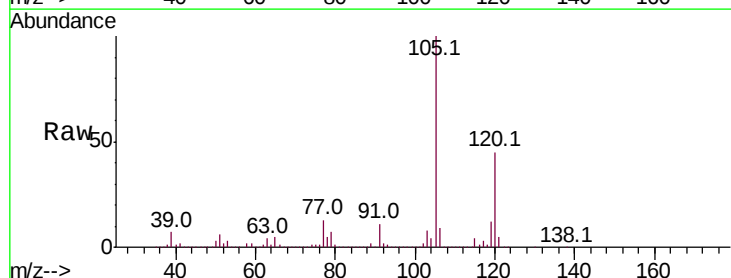
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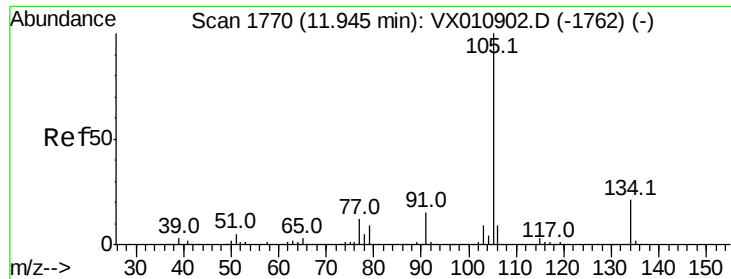
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#84
1,2,4-Trimethylbenzene
Concen: 388.530 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Tgt Ion:105 Resp: 3746564
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.5





#85

sec-Butylbenzene

Concen: 5.412 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

FL-0630

Tot Ion:105 Resp: 59595

Ion Ratio Lower Upper

105 100

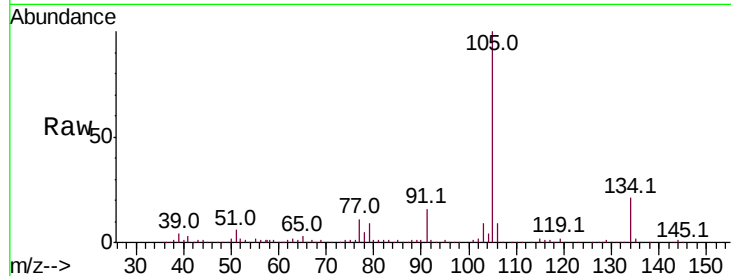
134 0.0 10.4 31.4#

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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

50000

40000

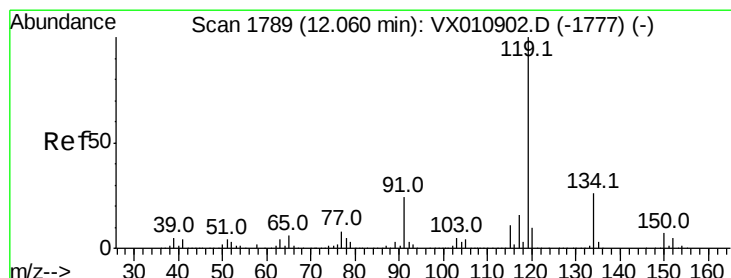
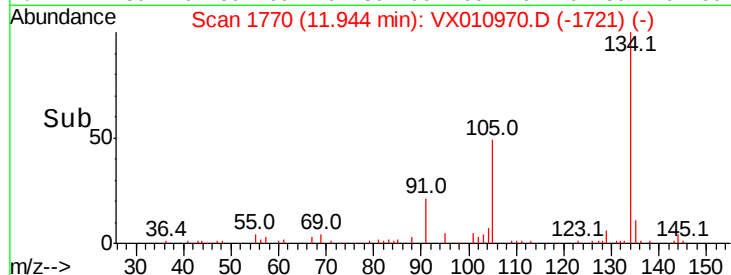
30000

20000

10000

0

Time-->



#86

p-Isopropyltoluene

Concen: 7.363 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010970.D

Acq: 18 Jul 2019 19:39

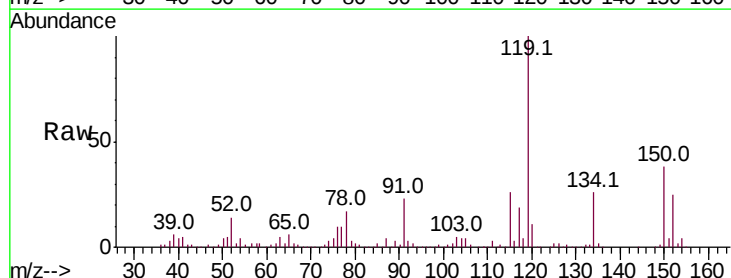
Tgt Ion:119 Resp: 74954

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 24.7 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

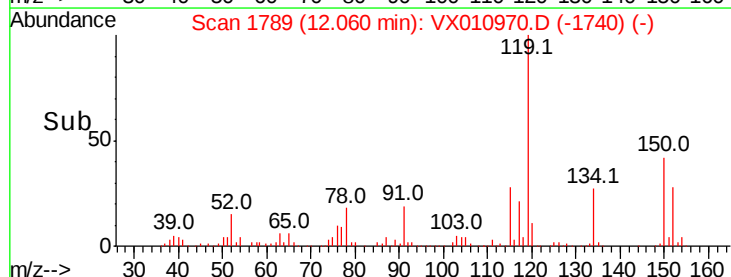
Ion 91.00 (90.70 to 91.70): VX0

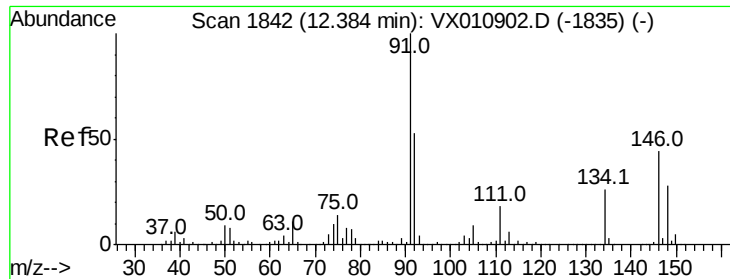
100000

50000

0

Time-->





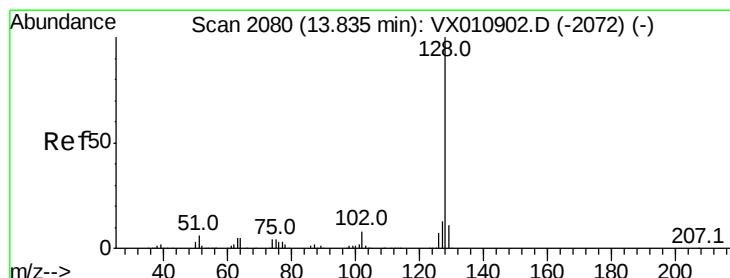
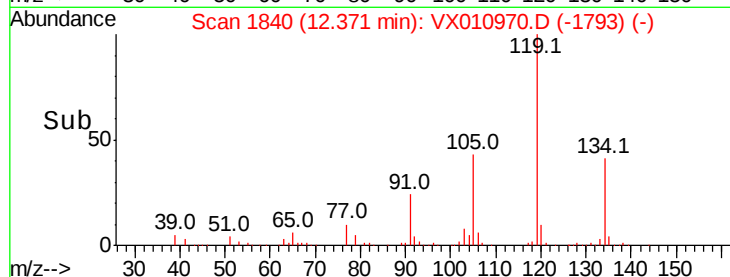
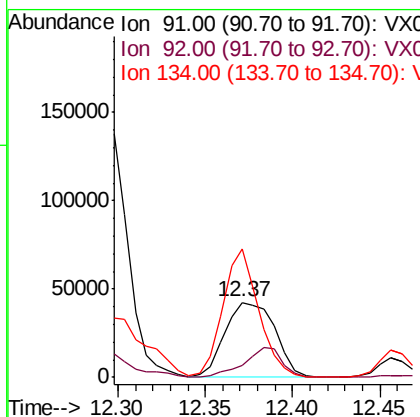
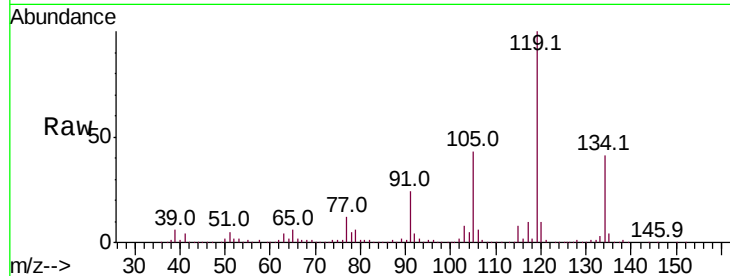
#89
n-Butylbenzene
Concen: 9.664 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Instrument :
MSVOA_X
ClientSampled :
FL-0630

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.7	26.2	78.5
134	123.5	13.8	41.3

Manual Integrations
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#95
Naphthalene
Concen: 104.576 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010970.D
Acq: 18 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.2	8.9	13.3

