

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010917.D
 Acq On : 16 Jul 2019 19:25
 Operator : JC/SP
 Sample : K3791-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0611

Manual Integrations
 APPROVED

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 7/17/2019 1:23:05 PM

Quant Time: Jul 17 05:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	363446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186880	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121137	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	5.50	113	112499	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.71	98	446955	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.13	95	180374	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	1994002	592.170	ug/l	99
39) Methylcyclohexane	7.46	83	1133630	292.817	ug/l	99
40) Benzene	6.15	78	23374	2.556	ug/l	96
52) Toluene	8.79	92	1001064	166.635	ug/l	100
67) Ethyl Benzene	10.26	91	10685246	880.177	ug/l	92
68) m/p-Xylenes	10.38	106	14819690	3182.408	ug/l #	55
69) o-Xylene	10.70	106	2237048	492.226	ug/l	99
73) Isopropylbenzene	11.02	105	1044530	82.719	ug/l	100
78) n-propylbenzene	11.36	91	1137771	81.547	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1663580	157.663	ug/l	99
83) tert-Butylbenzene	11.77	119	9943m	0.959	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	4769319	448.460	ug/l	98
85) sec-Butylbenzene	11.94	105	92470m	7.614	ug/l	
86) p-Isopropyltoluene	12.06	119	102095	9.093	ug/l	99
89) n-Butylbenzene	12.37	91	76680	7.983	ug/l #	17
95) Naphthalene	13.83	128	1905246	158.920	ug/l	100

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

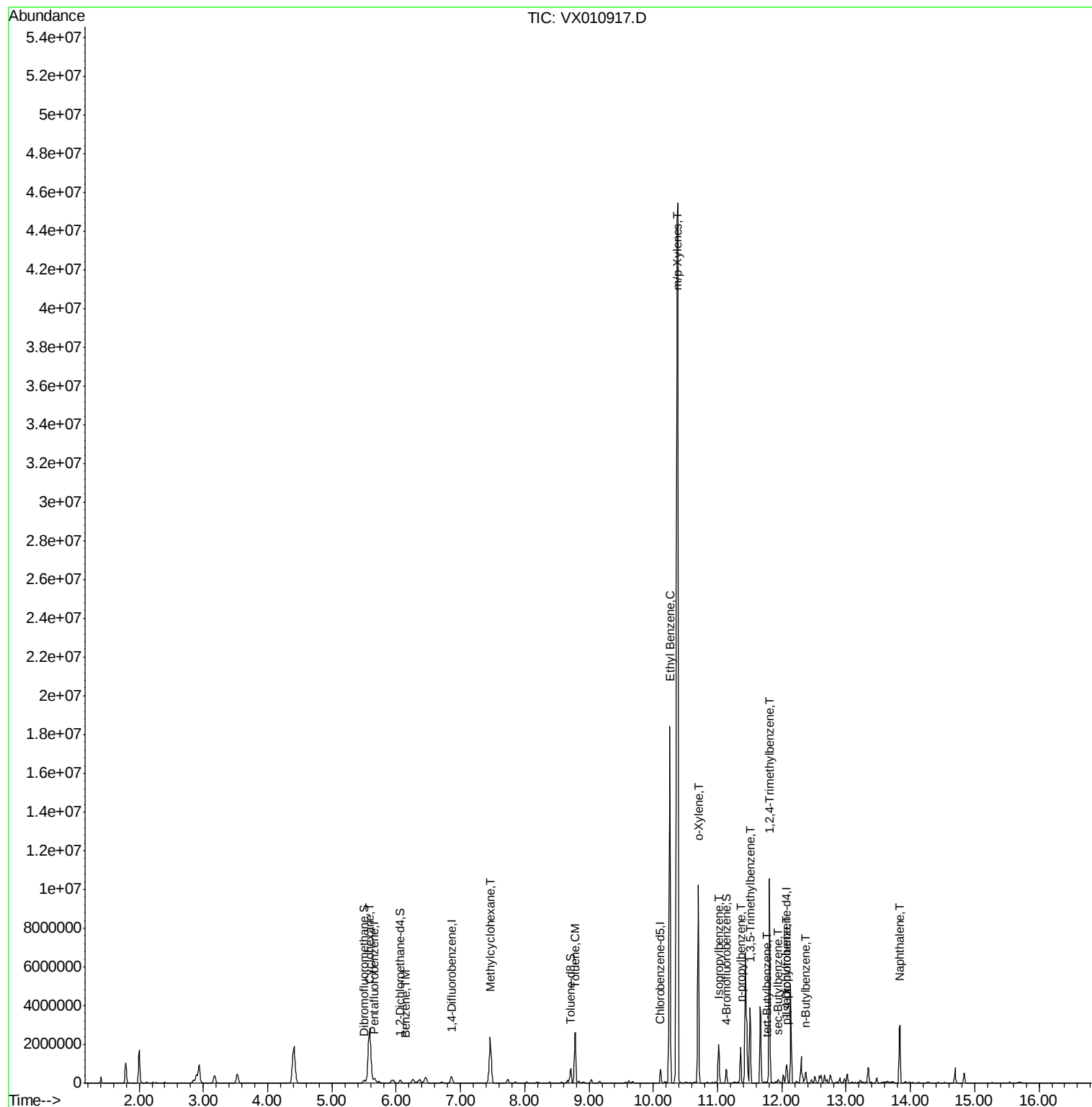
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
Data File : VX010917.D
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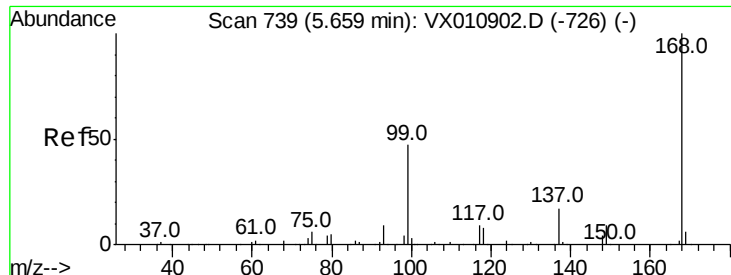
Instrument :
MSVOA_X
ClientSampleId :
FL-0611

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7/17/2019 1:23:05 PM

Quant Time: Jul 17 05:43:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 04:37:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

FL-0611

Tot Ion:168 Resp: 233117

Ion Ratio Lower Upper

168 100

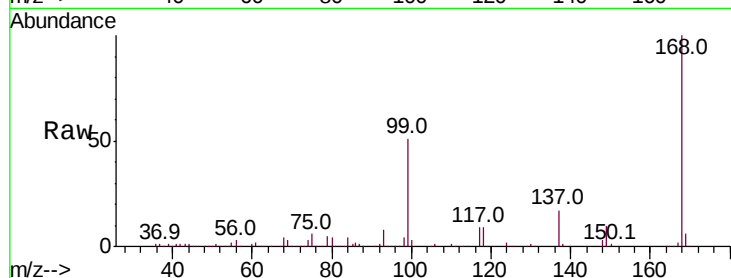
99 50.9 37.6 56.4

Manual Integrations

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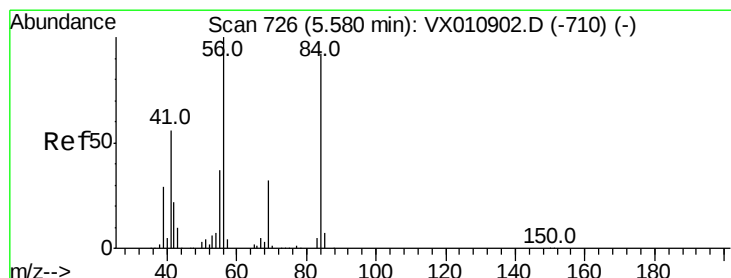
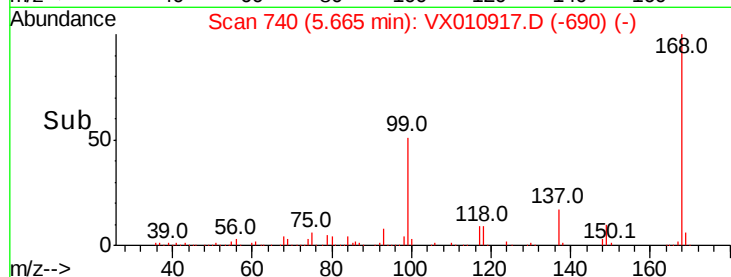


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#31

Cyclohexane

Concen: 592.170 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

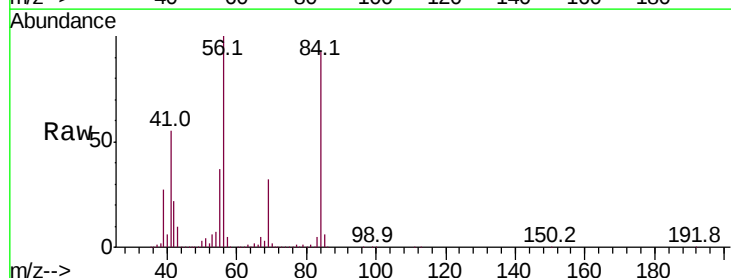
Tgt Ion: 56 Resp: 1994002

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.8

84 93.2 73.8 110.6



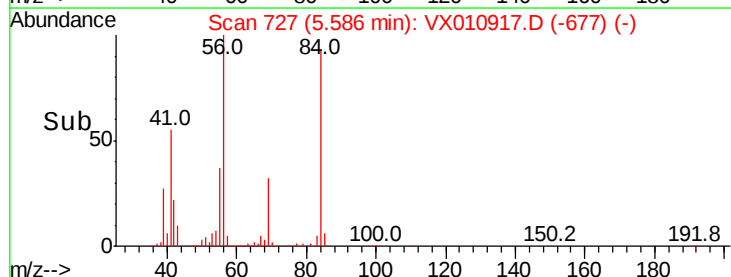
Abundance Ion 56.00 (55.70 to 56.70): VX0

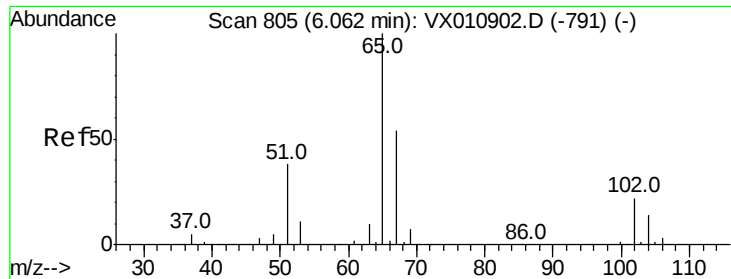
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.59

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.845 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

FL-0611

Tot Ion: 65 Resp: 121137

Ion Ratio Lower Upper

65 100

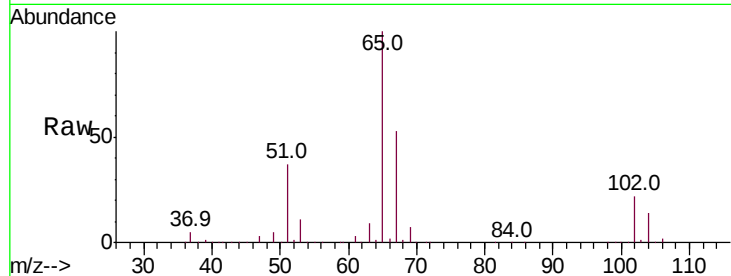
67 53.6 0.0 107.8

Manual Integrations

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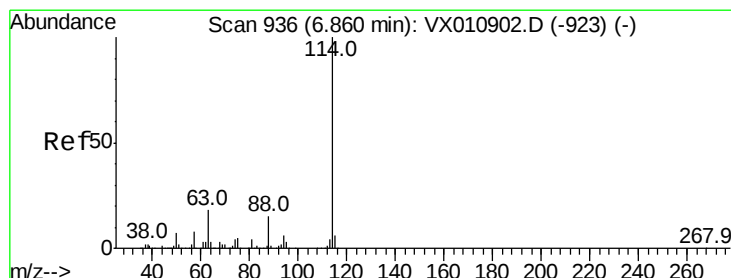
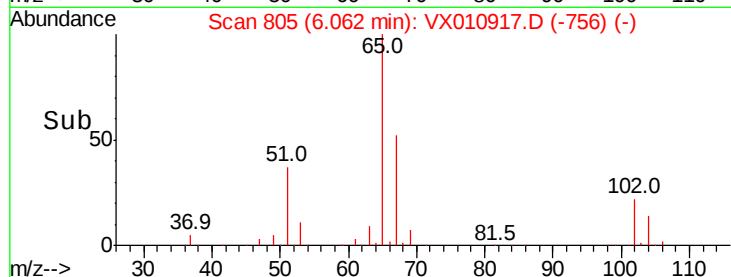
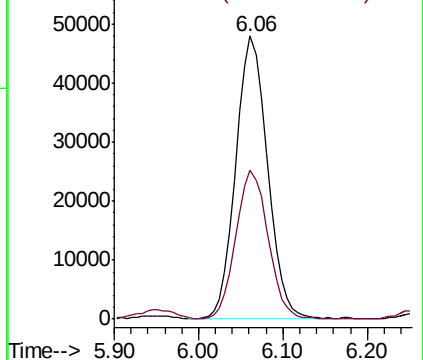
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

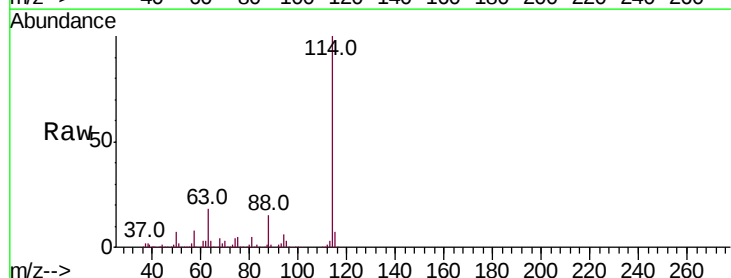
Tgt Ion:114 Resp: 363446

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

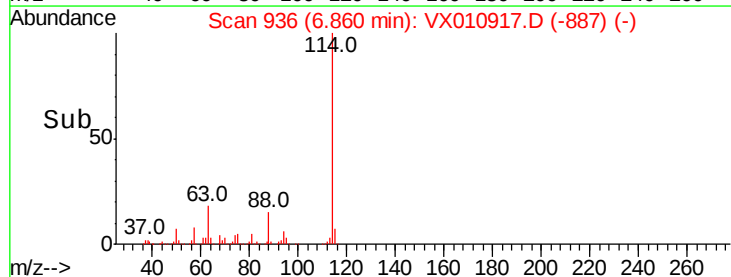
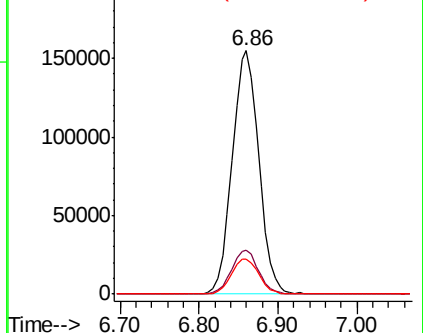
88 14.6 0.0 29.8

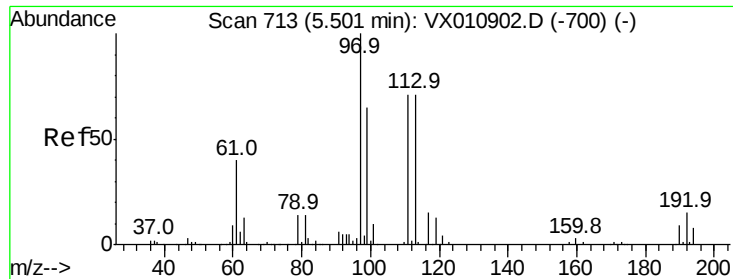


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.767 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

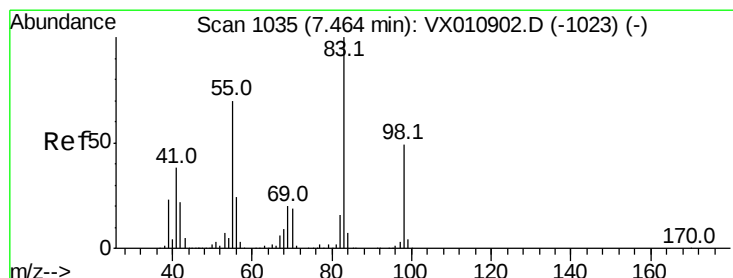
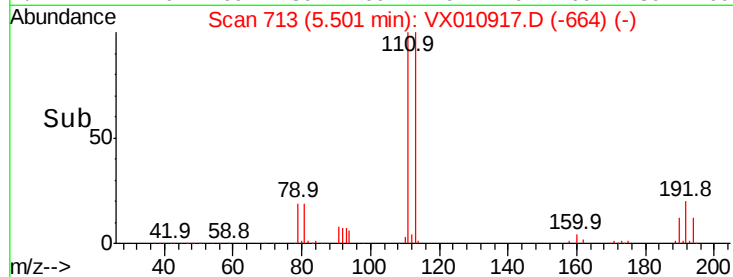
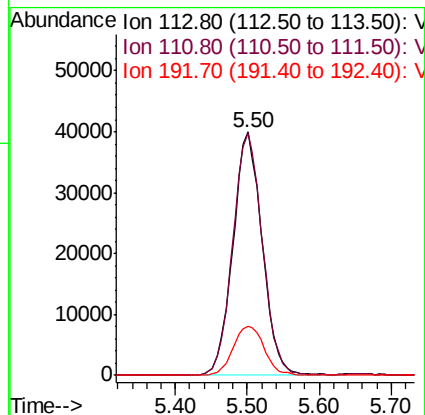
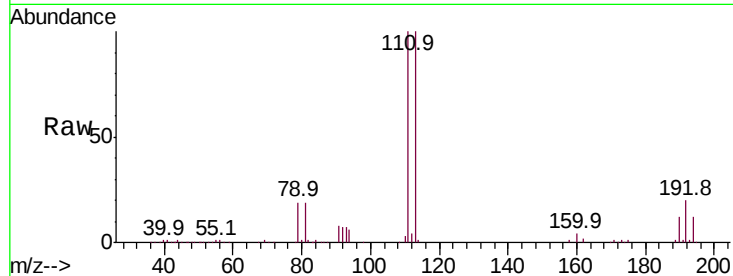
ClientSampled :

FL-0611

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112499		
111	101.0	82.3	123.5	
192	21.3	17.4	26.2	

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#39

Methylcyclohexane

Concen: 292.817 ug/l

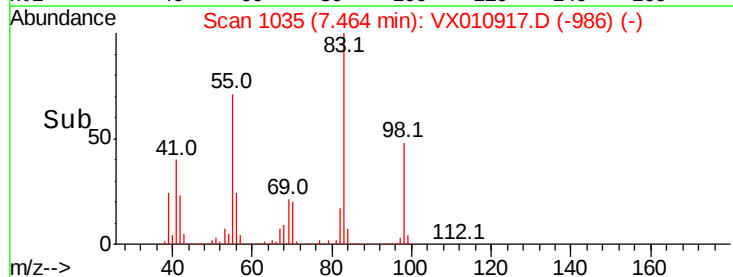
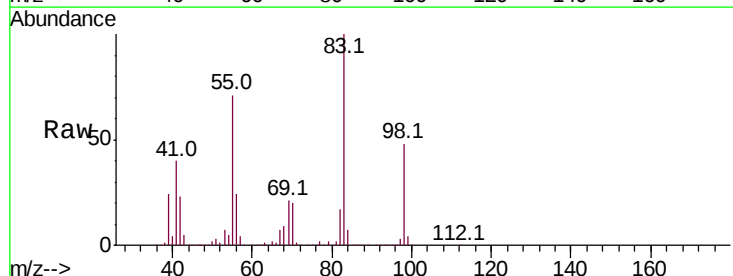
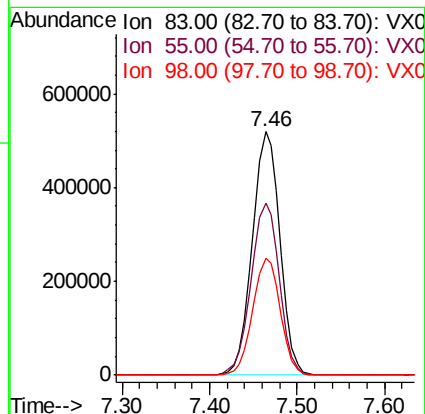
RT: 7.46 min Scan# 1035

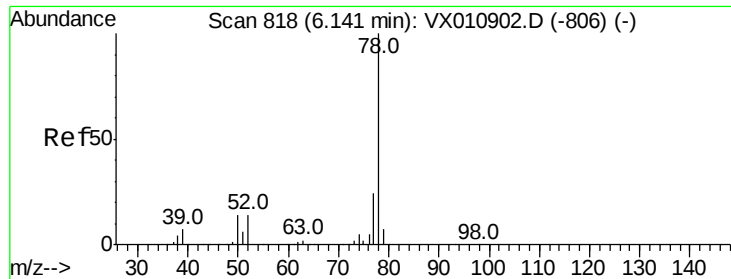
Delta R.T. -0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1133630		
55	70.6	56.2	84.4	
98	48.1	39.0	58.4	





#40

Benzene

Concen: 2.556 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

FL-0611

Tot Ion: 78 Resp: 23374

Ion Ratio Lower Upper

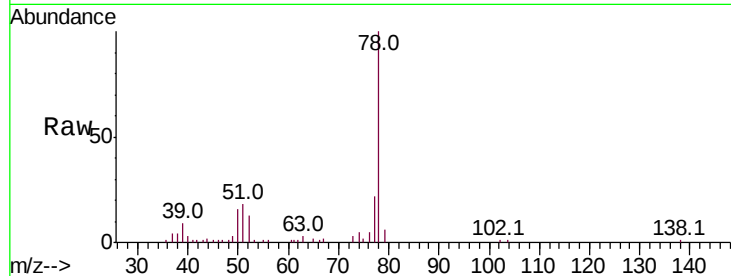
78 100

77 22.0 19.0 28.6

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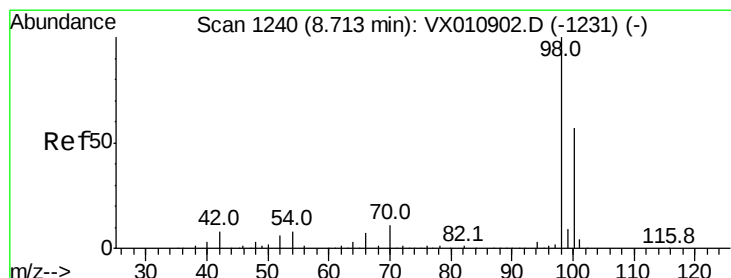
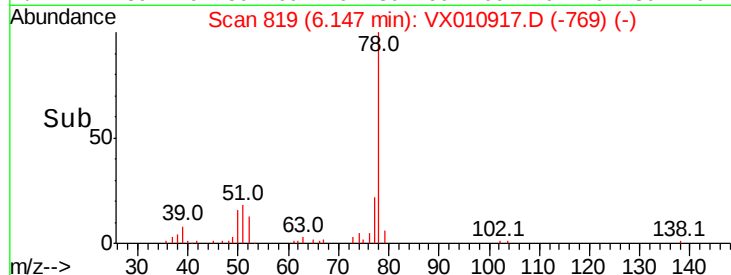
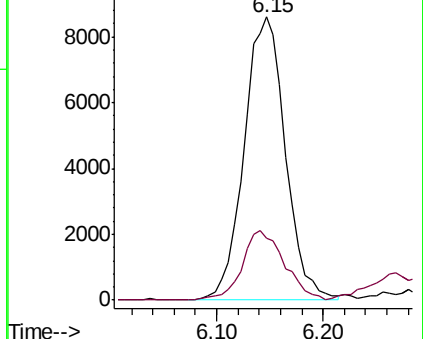
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.658 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010917.D

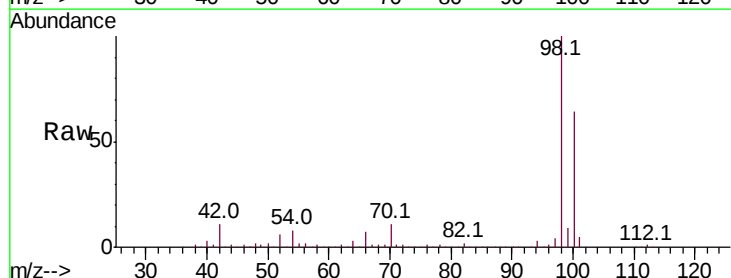
Acq: 16 Jul 2019 19:25

Tgt Ion: 98 Resp: 446955

Ion Ratio Lower Upper

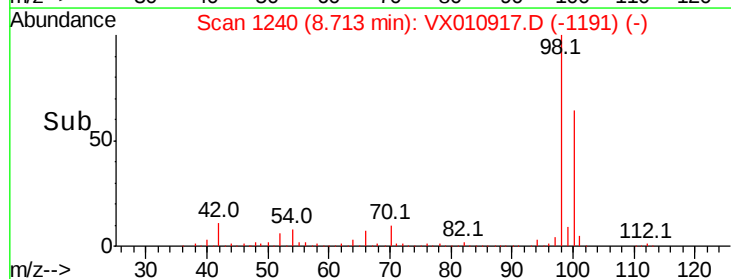
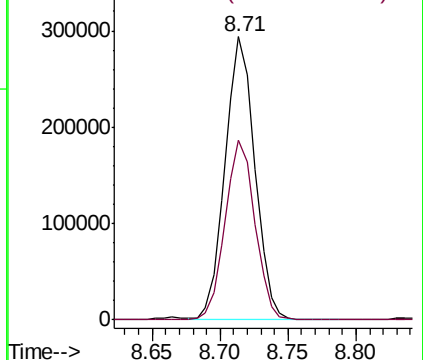
98 100

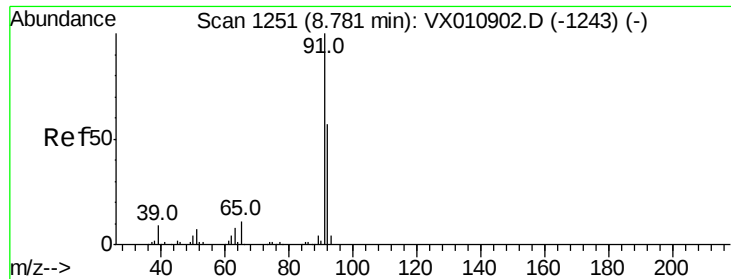
100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 166.635 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0611

Tot Ion: 92 Resp: 1001064

Ion Ratio Lower Upper

92 100

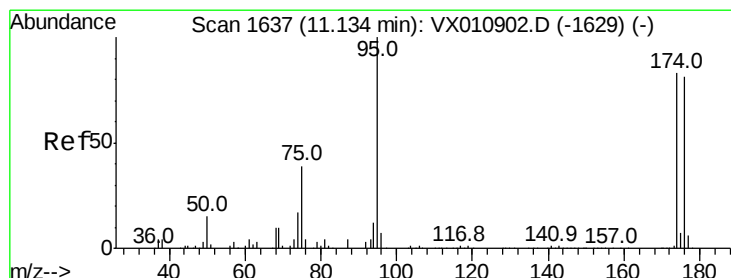
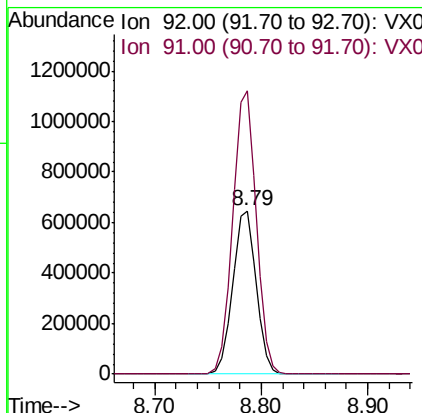
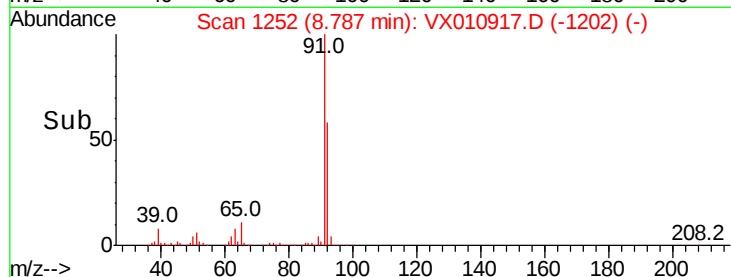
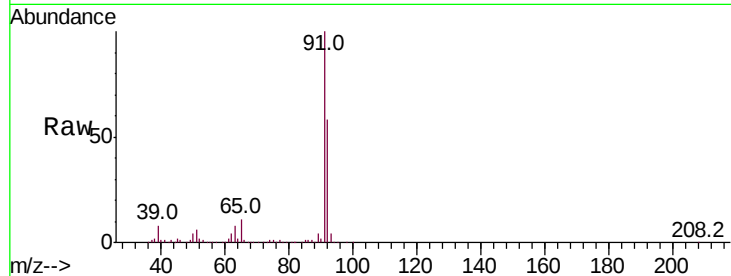
91 174.0 139.4 209.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.716 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

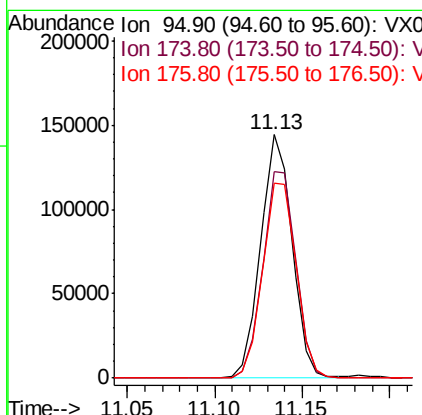
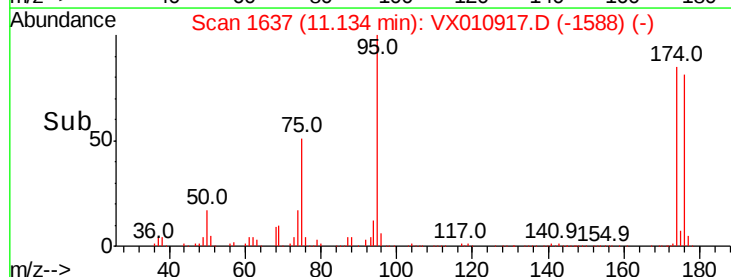
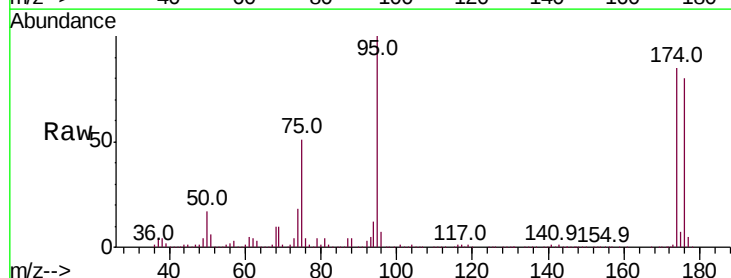
Tgt Ion: 95 Resp: 180374

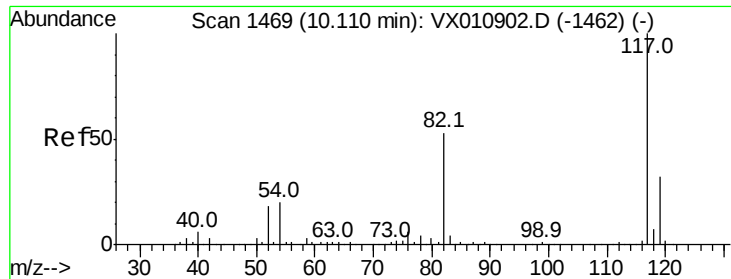
Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.6

176 85.8 0.0 173.8





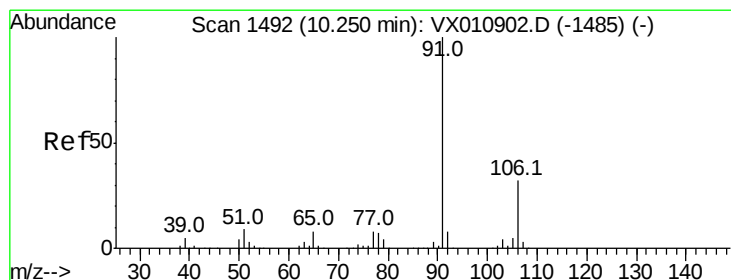
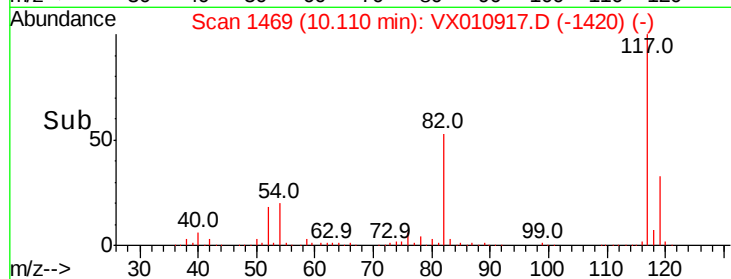
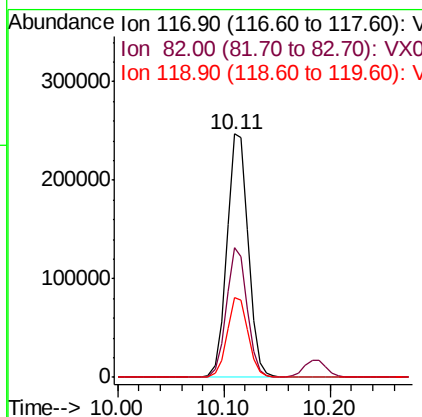
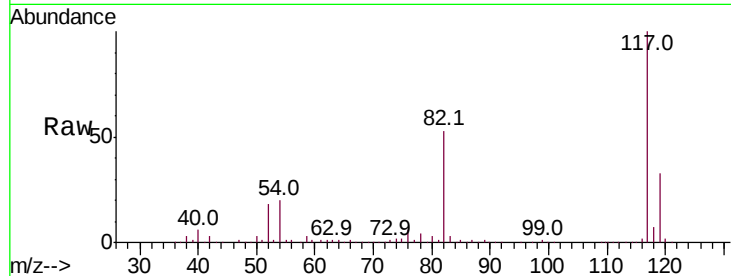
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Instrument :
MSVOA_X
ClientSampled :
FL-0611

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	63.8
119	32.9	25.9	38.9

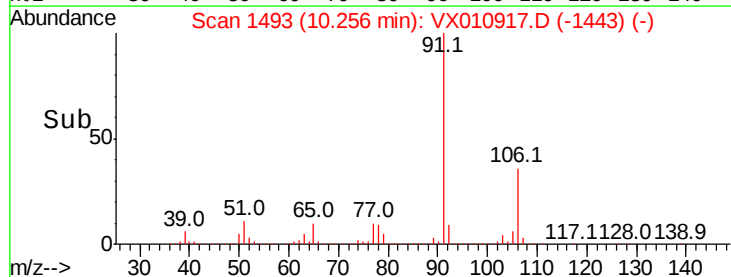
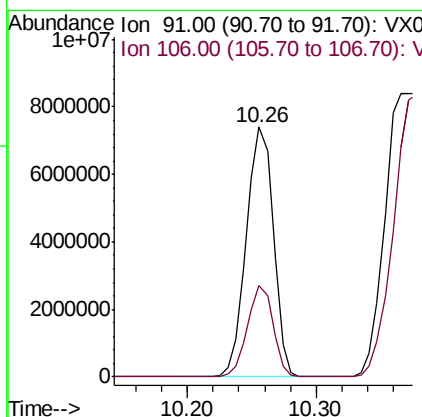
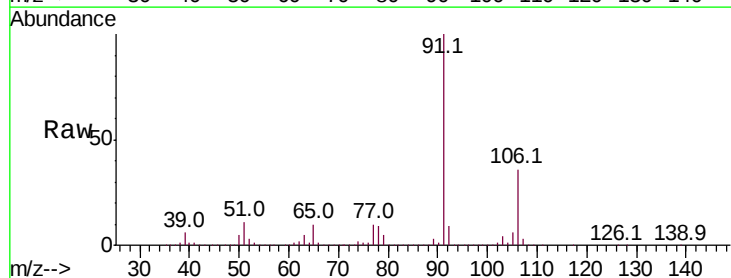
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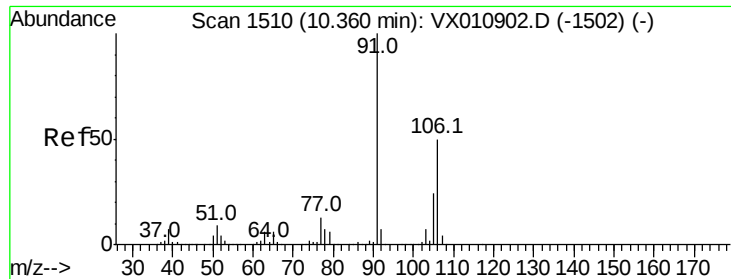
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#67
Ethyl Benzene
Concen: 880.177 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.4	25.4	38.2





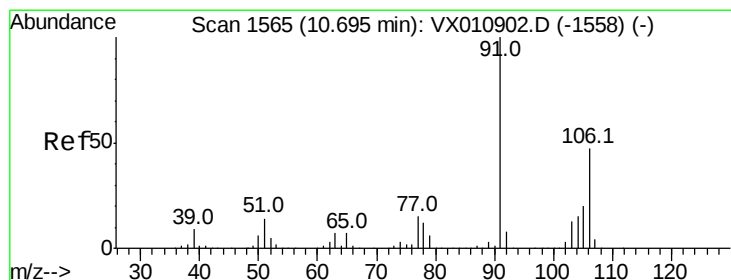
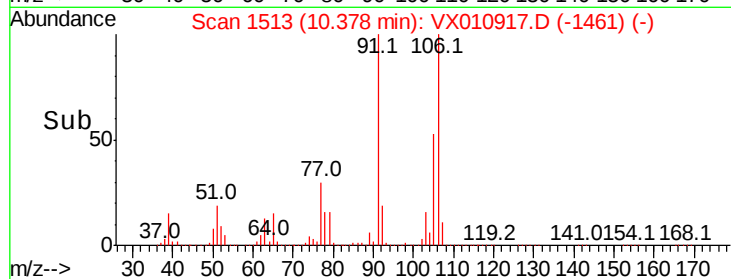
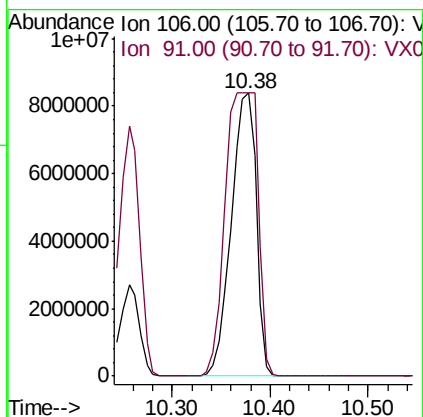
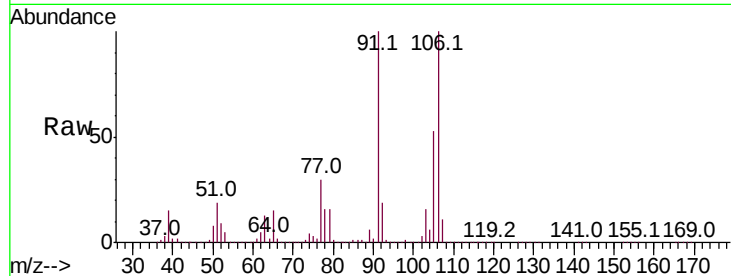
#68
m/p-Xylenes
Concen: 3182.408 ug/l
RT: 10.38 min Scan# 1513
Delta R.T. 0.02 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Instrument :
MSVOA_X
ClientSampled :
FL-0611

Tot Ion:106 Resp:14819690
Ion Ratio Lower Upper
106 100
91 132.4 160.1 240.1#

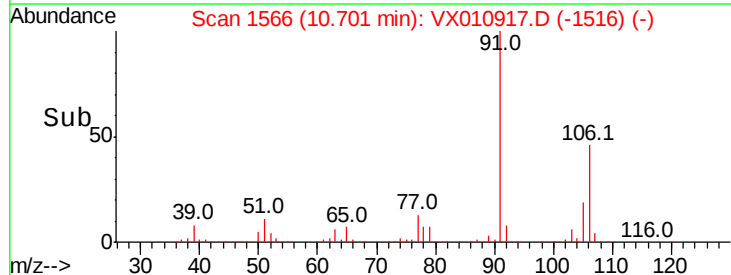
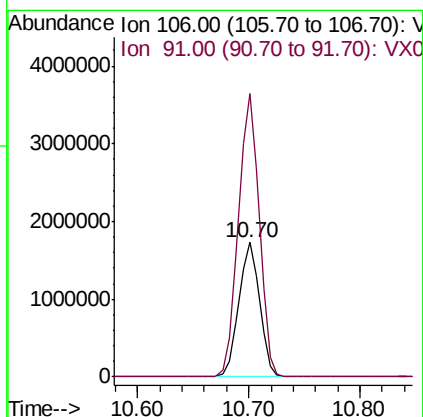
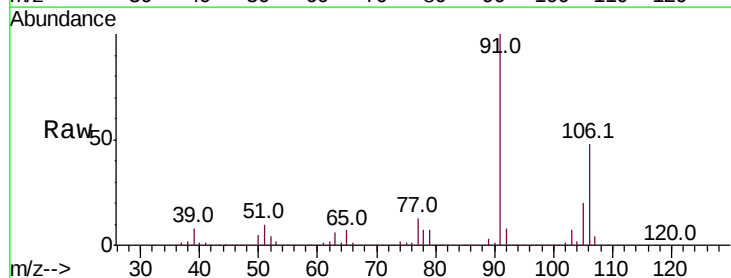
Manual Integrations
APPROVED

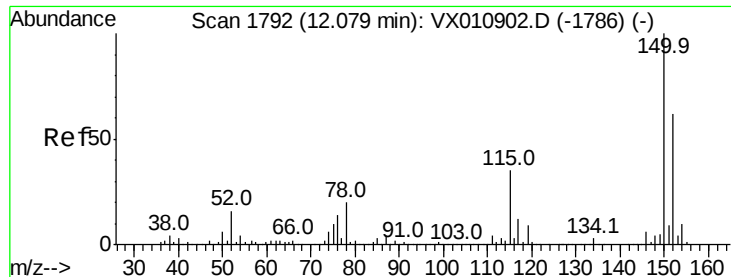
MMDadoda
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#69
o-Xylene
Concen: 492.226 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Tgt Ion:106 Resp: 2237048
Ion Ratio Lower Upper
106 100
91 211.3 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0611

Tot Ion:152 Resp: 186880

Ion Ratio Lower Upper

152 100

115 63.2 39.7 119.1

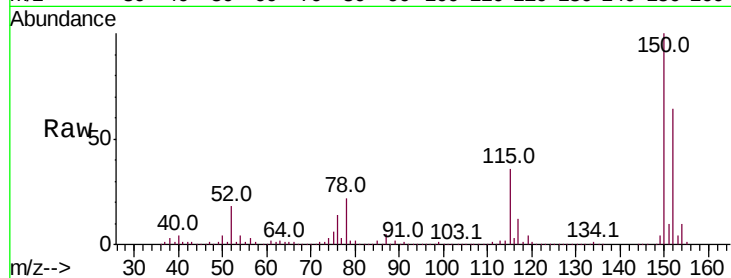
150 157.8 0.0 345.6

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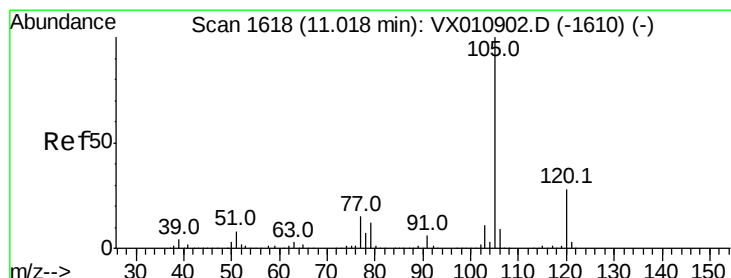
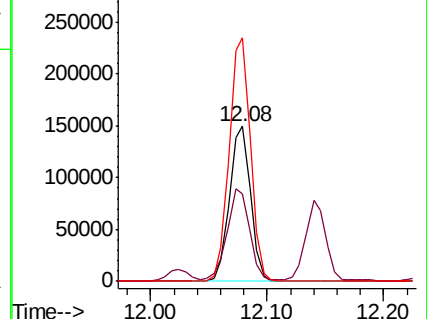
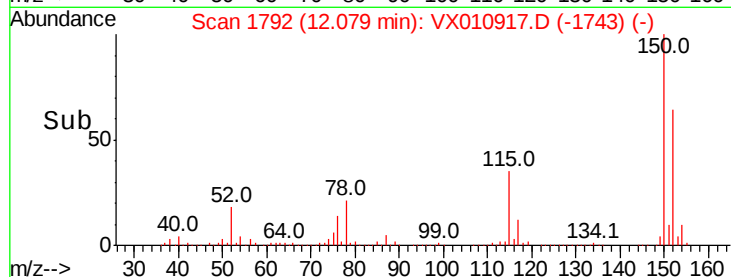
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 82.719 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010917.D

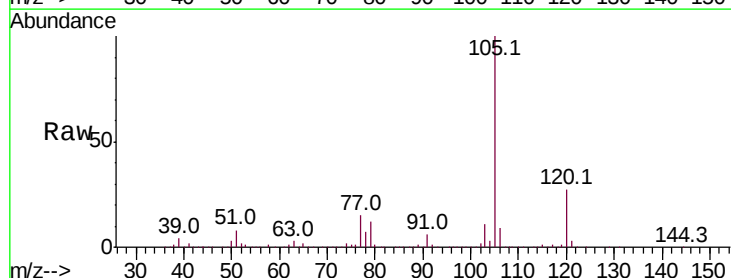
Acq: 16 Jul 2019 19:25

Tgt Ion:105 Resp: 1044530

Ion Ratio Lower Upper

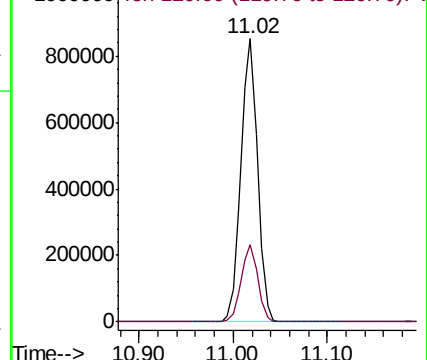
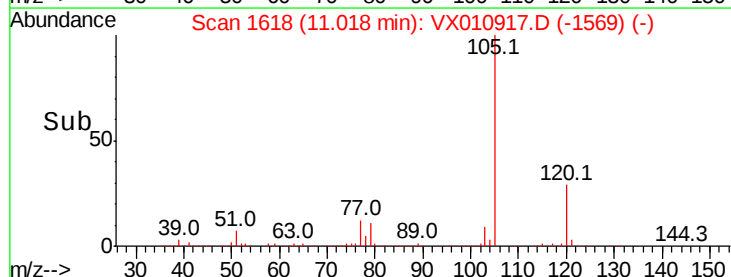
105 100

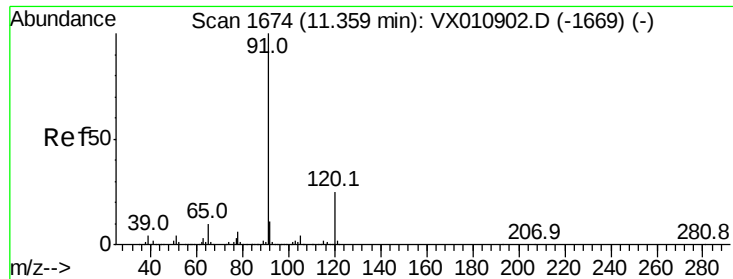
120 27.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 81.547 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

FL-0611

Tot Ion: 91 Resp: 1137771

Ion Ratio Lower Upper

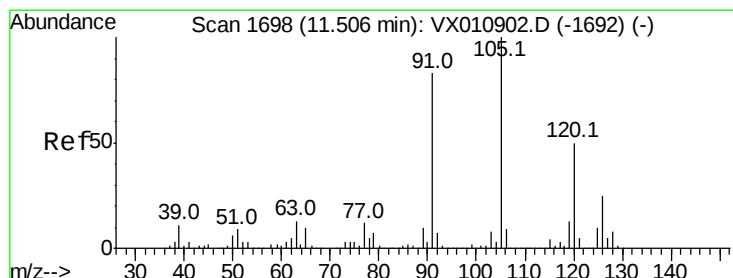
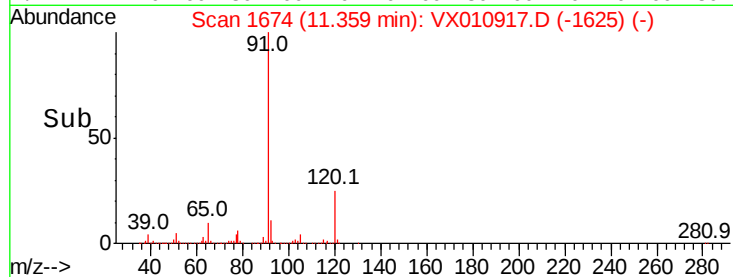
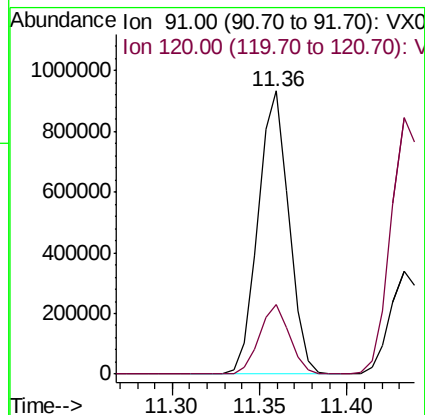
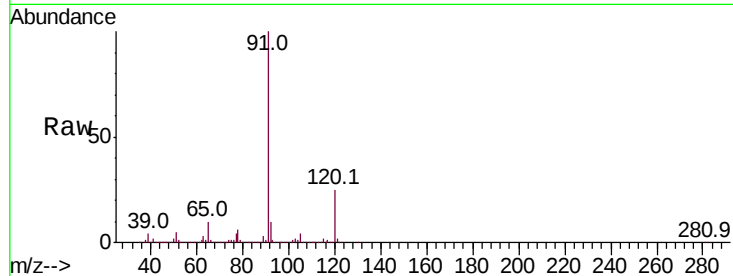
91 100

120 24.1 12.3 36.8

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#80

1,3,5-Trimethylbenzene

Concen: 157.663 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010917.D

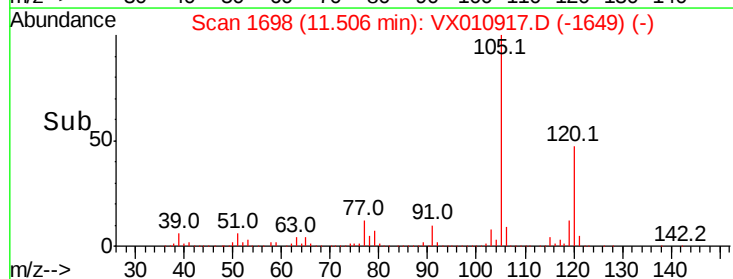
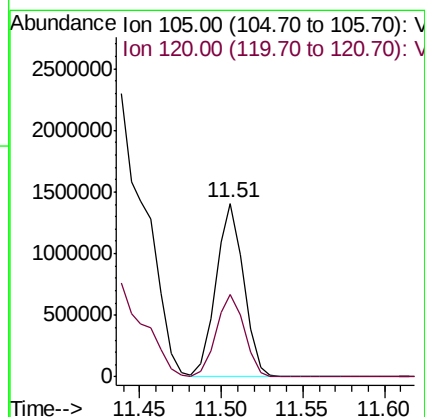
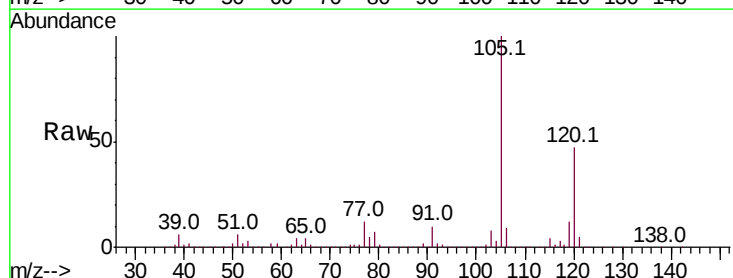
Acq: 16 Jul 2019 19:25

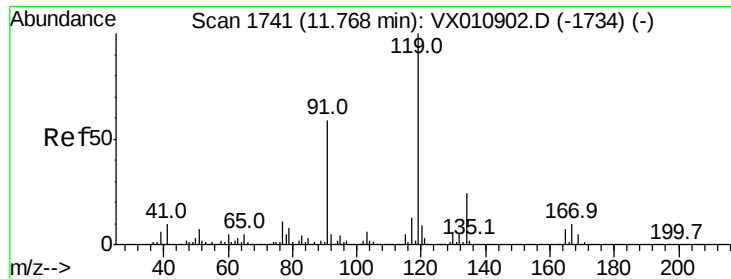
Tgt Ion: 105 Resp: 1663580

Ion Ratio Lower Upper

105 100

120 48.5 24.6 73.8





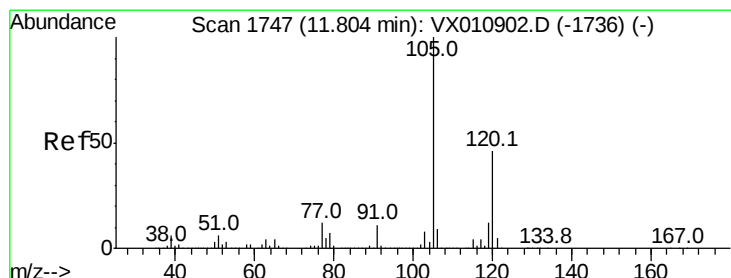
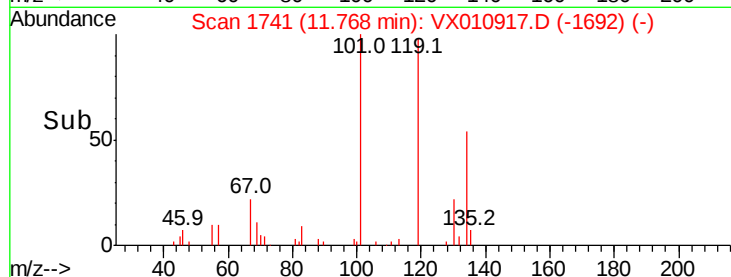
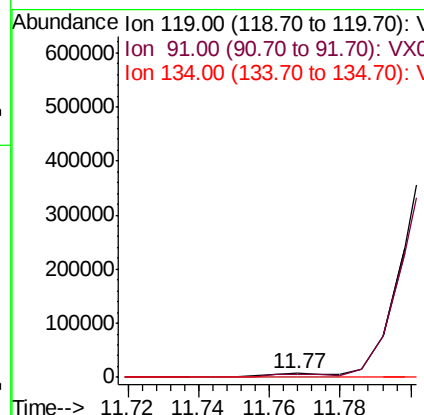
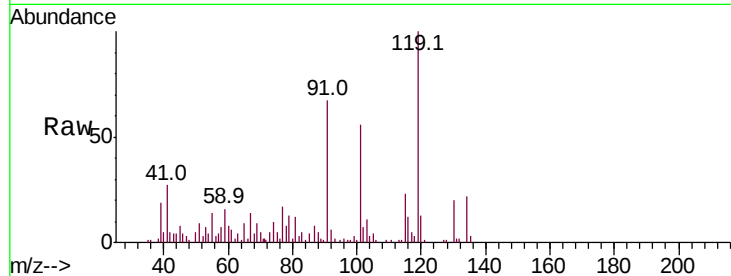
#83
tert-Butylbenzene
Concen: 0.959 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Instrument :
MSVOA_X
ClientSampleId :
FL-0611

Tot Ion:119 Resp: 9943
Ion Ratio Lower Upper
119 100
91 5320.2 28.6 85.8
134 0.0 11.6 34.8#

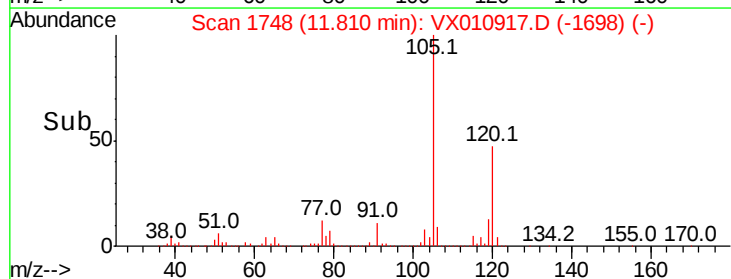
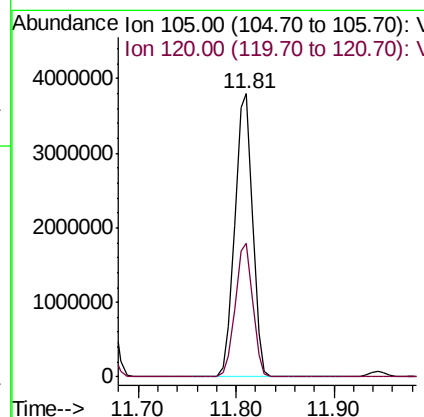
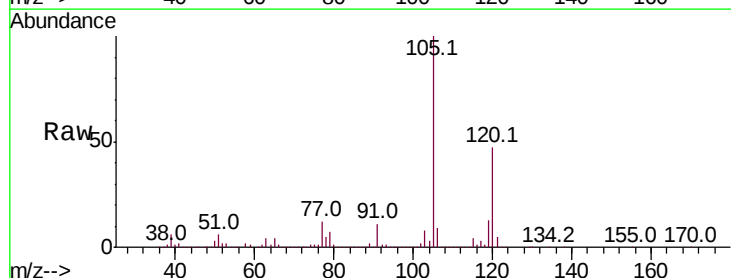
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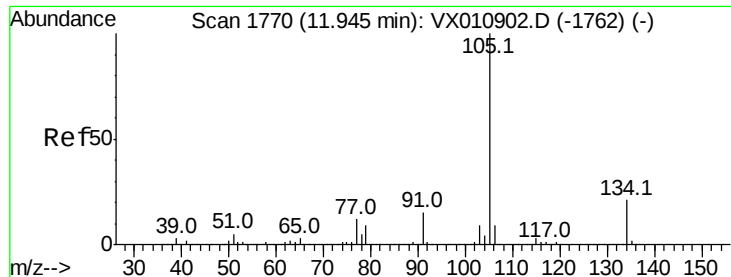
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#84
1,2,4-Trimethylbenzene
Concen: 448.460 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Tgt Ion:105 Resp: 4769319
Ion Ratio Lower Upper
105 100
120 46.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 7.614 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0611

Tot Ion:105 Resp: 92470

Ion Ratio Lower Upper

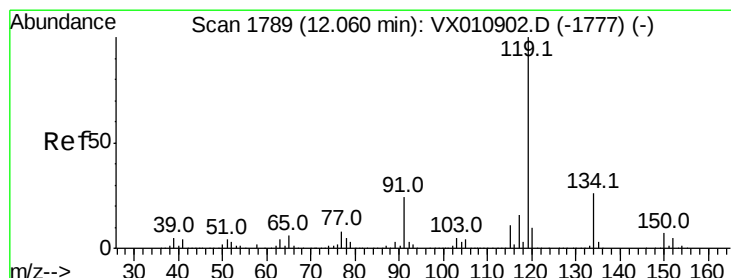
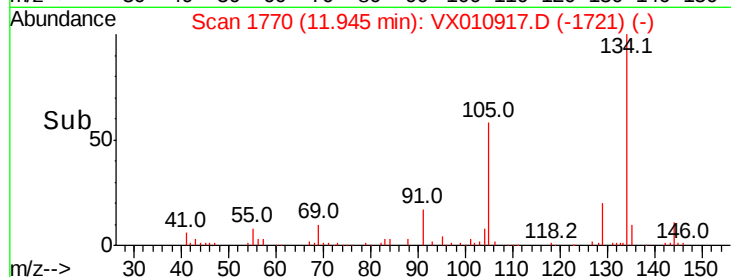
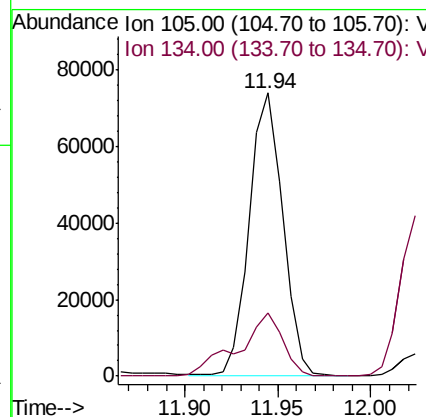
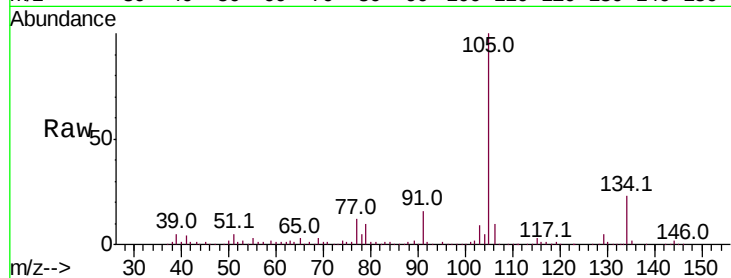
105 100

134 0.0 10.4 31.4#

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#86

p-Isopropyltoluene

Concen: 9.093 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010917.D

Acq: 16 Jul 2019 19:25

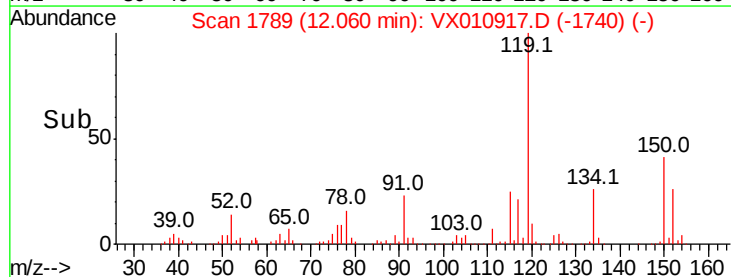
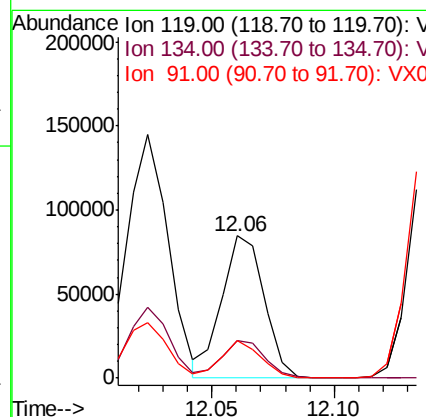
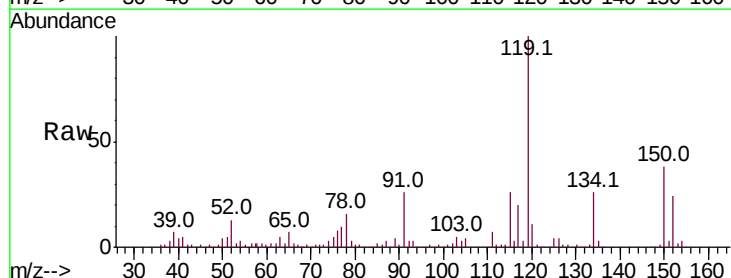
Tgt Ion:119 Resp: 102095

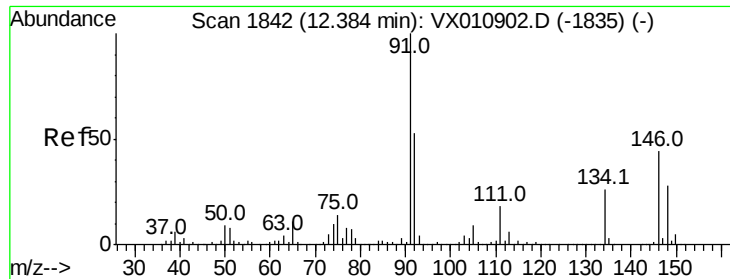
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 24.3 11.8 35.4





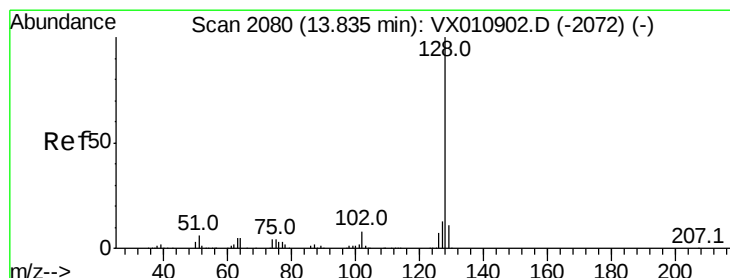
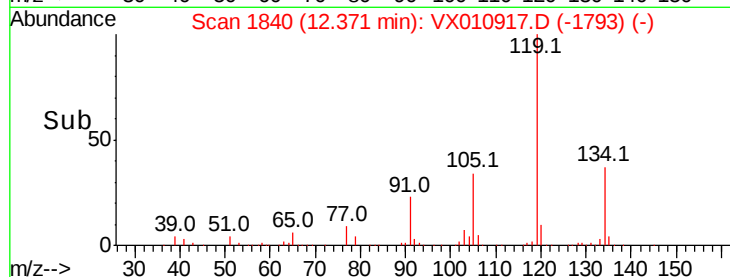
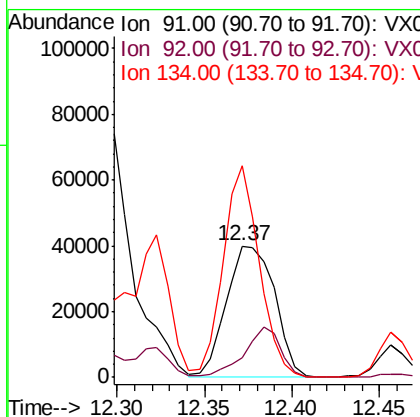
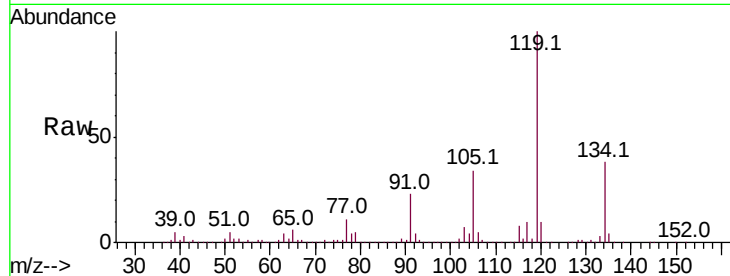
#89
n-Butylbenzene
Concen: 7.983 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Instrument :
MSVOA_X
ClientSampled :
FL-0611

Tot Ion	Ratio	Lower	Upper
91	100		
92	28.5	26.2	78.5
134	120.4	13.8	41.3#

Manual Integrations
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#95
Naphthalene
Concen: 158.920 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010917.D
Acq: 16 Jul 2019 19:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.9	13.3

