

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010861.D
 Acq On : 13 Jul 2019 01:22
 Operator : JC/SP
 Sample : K3791-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 10:59:49 AM

Quant Time: Jul 15 08:54:20 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	243333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	357317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187927	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	126991	55.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.32%	
35) Dibromofluoromethane	5.50	113	114199	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
50) Toluene-d8	8.71	98	462509	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	170927	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
Target Compounds						
						Qvalue
16) Acetone	2.44	43	1978m	1.730	ug/l	
31) Cyclohexane	5.59	56	855856	259.706	ug/l	97
39) Methylcyclohexane	7.46	83	724555	182.262	ug/l	96
40) Benzene	6.15	78	6105	0.648	ug/l #	88
44) Trichloroethene	7.21	130	1358	0.482	ug/l	73
52) Toluene	8.79	92	6546	1.055	ug/l	93
67) Ethyl Benzene	10.25	91	3842307	313.742	ug/l	100
68) m/p-Xylenes	10.36	106	1878250	395.813	ug/l	97
69) o-Xylene	10.69	106	267689	57.363	ug/l	96
73) Isopropylbenzene	11.02	105	385321	30.247	ug/l	98
78) n-propylbenzene	11.36	91	646012	46.141	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	777363	74.021	ug/l	98
83) tert-Butylbenzene	11.77	119	8385m	0.795	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	2829937	268.212	ug/l	100
85) sec-Butylbenzene	11.94	105	128050	10.347	ug/l	87
86) p-Isopropyltoluene	12.06	119	103057	9.003	ug/l	99
89) n-Butylbenzene	12.38	91	152405	15.667	ug/l #	33
95) Naphthalene	13.83	128	820586	62.395	ug/l	100

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

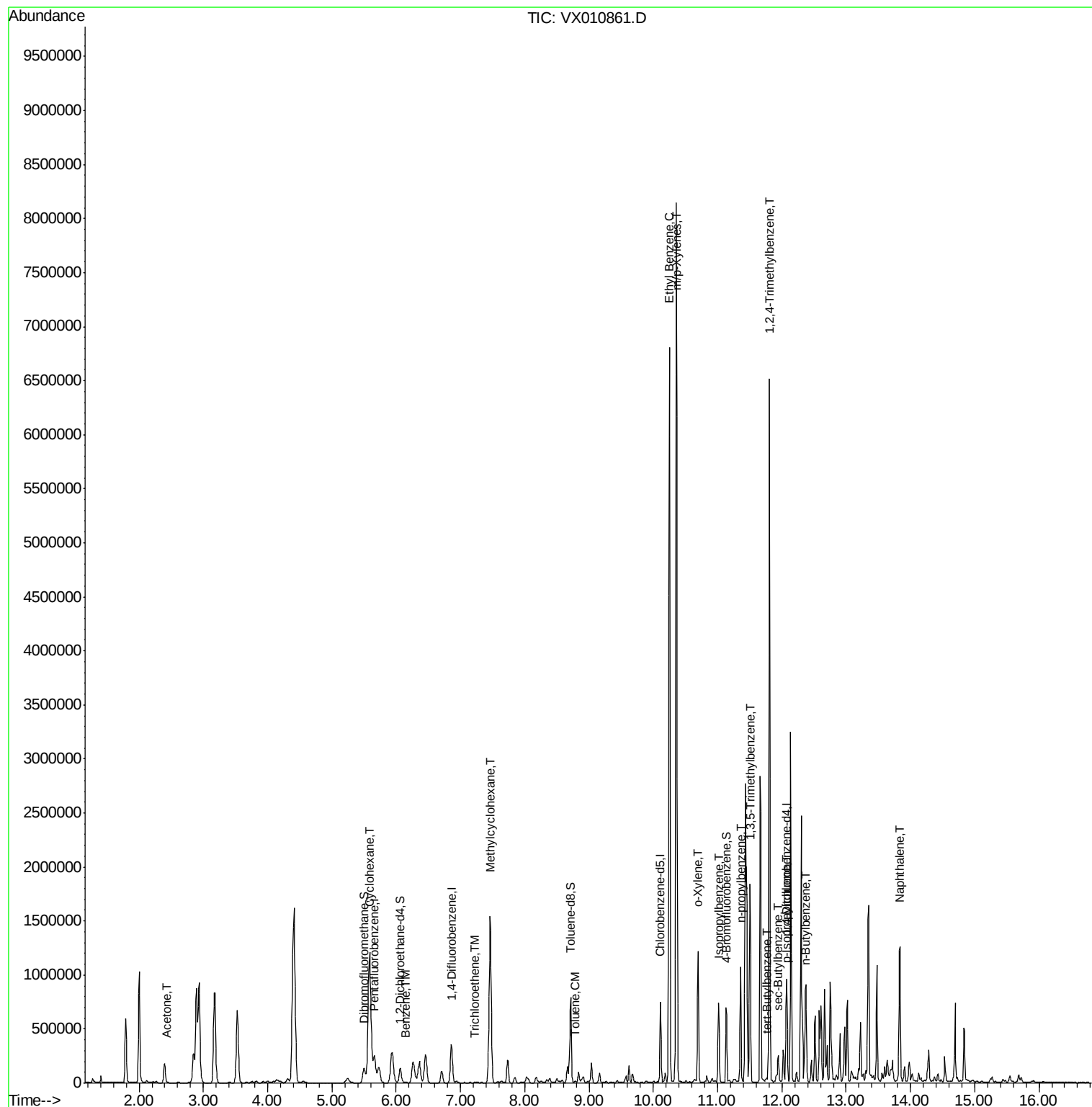
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
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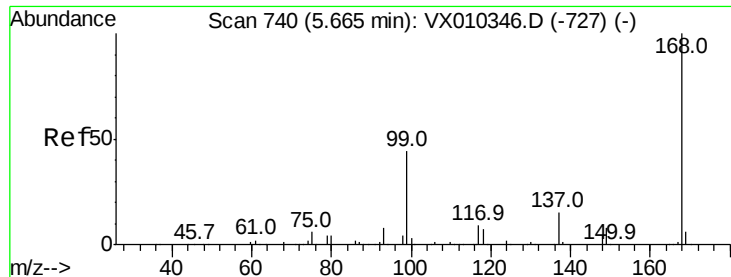
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

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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: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

Tot Ion:168 Resp: 243333

Ion Ratio Lower Upper

168 100

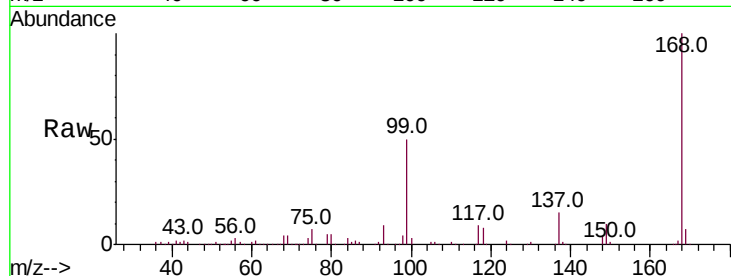
99 49.6 35.5 53.3

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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

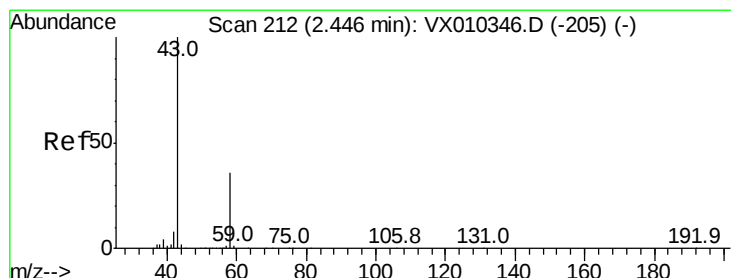
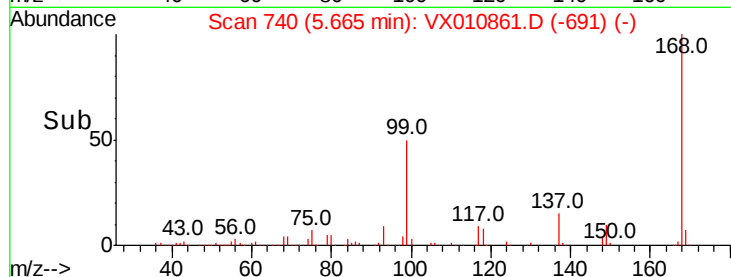
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.730 ug/l m

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010861.D

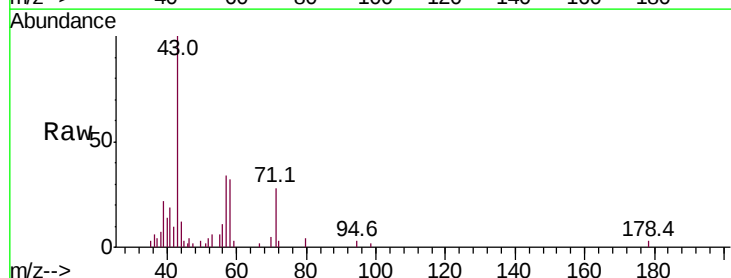
Acq: 13 Jul 2019 01:22

Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

58 32.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

5000

4000

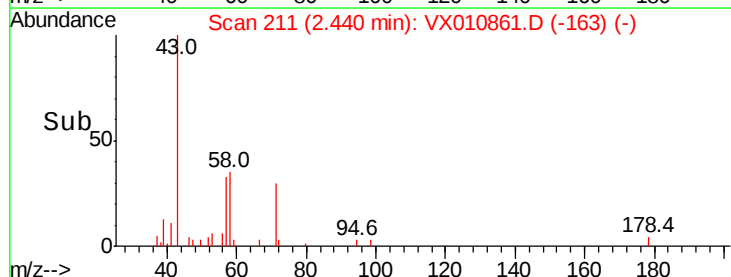
3000

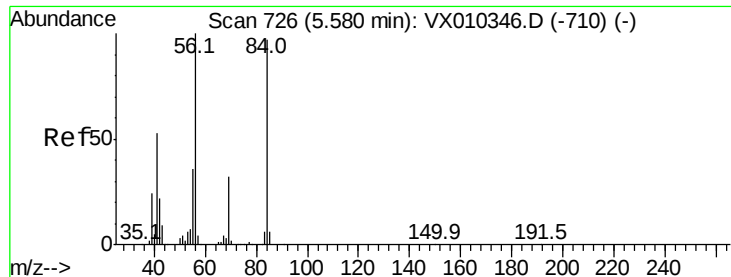
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 259.706 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

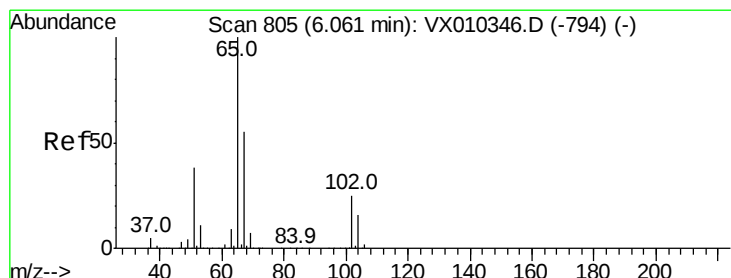
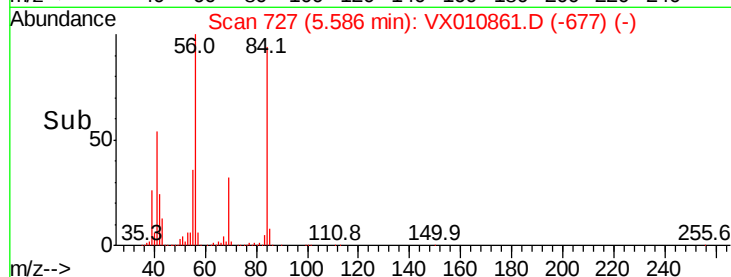
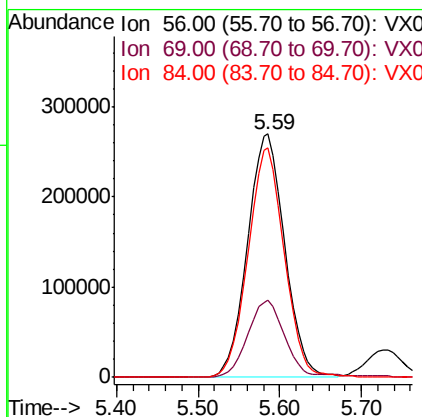
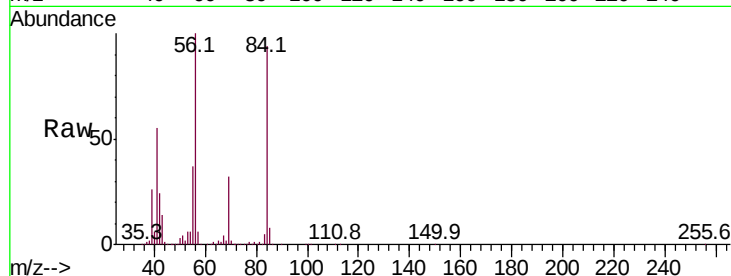
ClientSampleId :

FL- 0594

Tot Ion:	56	Resp:	855856
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.9	38.9
84	94.1	78.0	117.0

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#33

1,2-Dichloroethane-d4

Concen: 55.661 ug/l

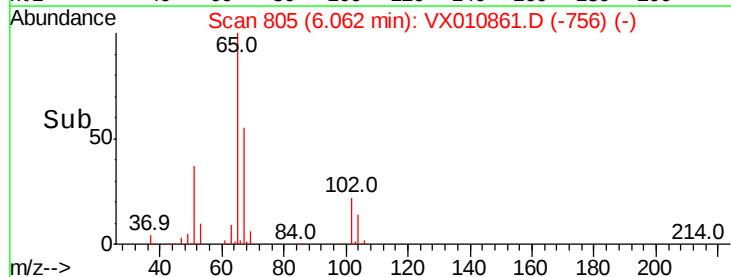
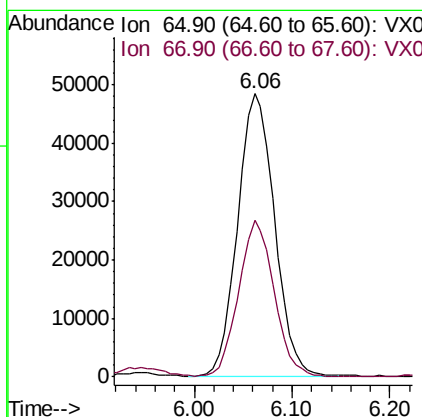
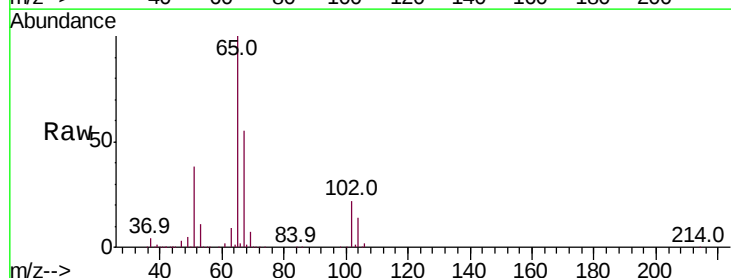
RT: 6.06 min Scan# 805

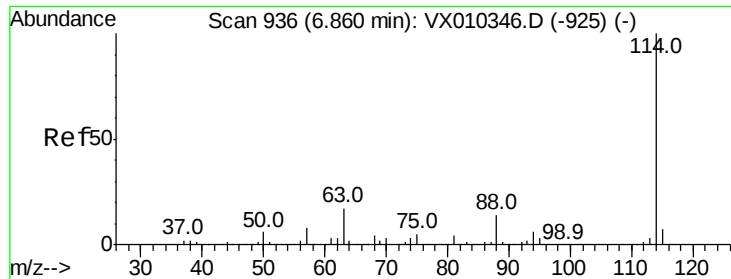
Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Tgt Ion:	65	Resp:	126991
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	110.2





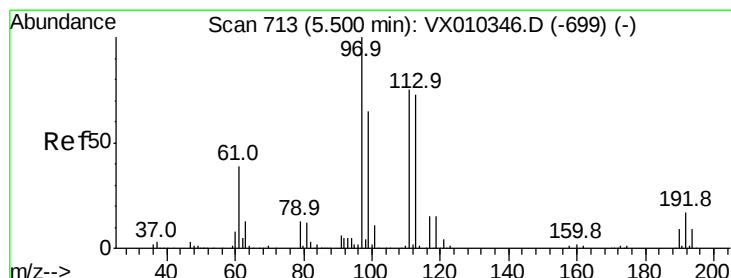
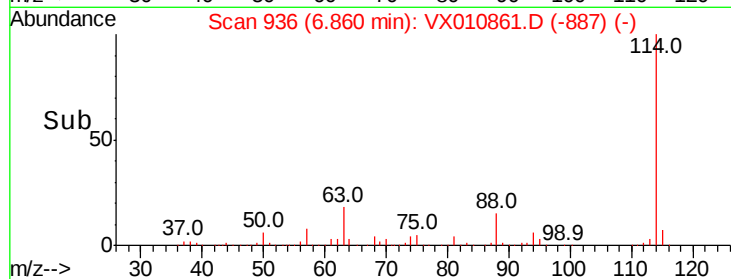
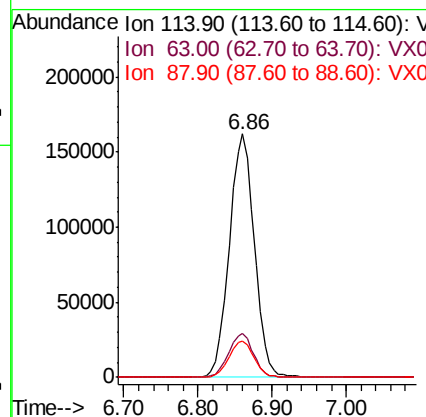
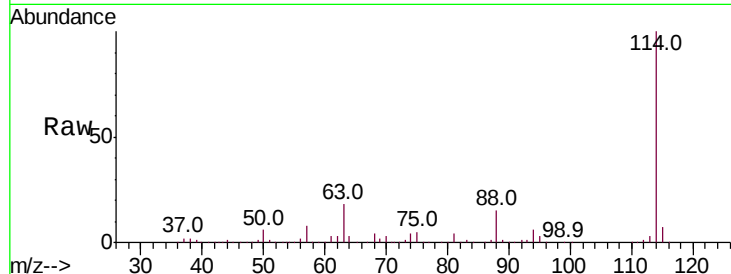
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594

Tot Ion	Ratio	Resp	Lower	Upper
114	100	380579		
63	17.9		0.0	33.8
88	14.8		0.0	27.6

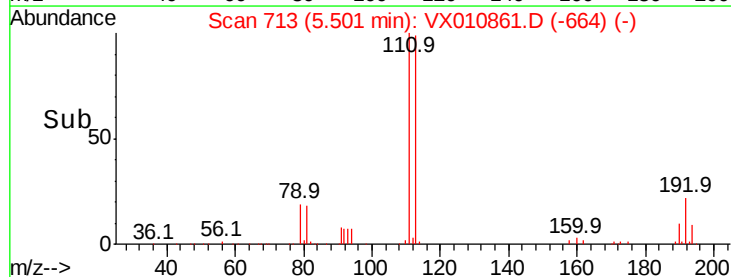
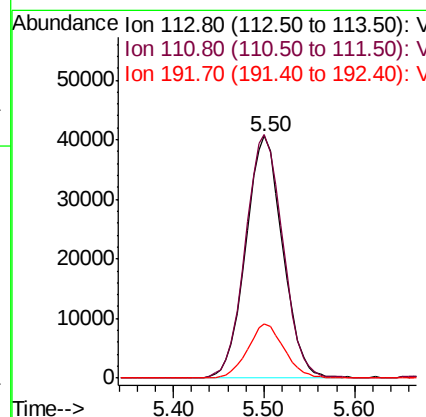
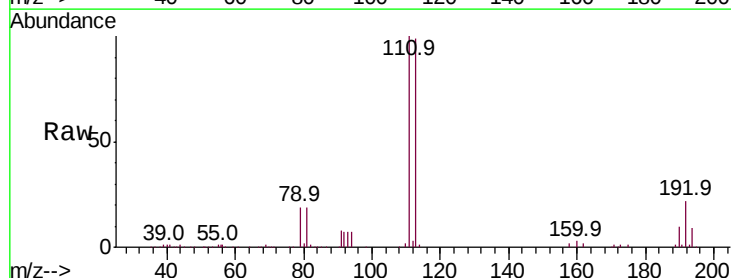
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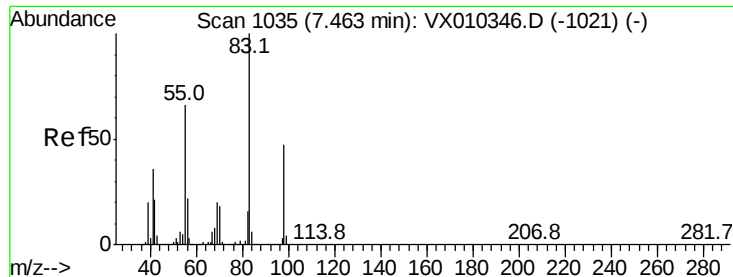
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#35
 Dibromofluoromethane
 Concen: 49.044 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	114199		
111	102.5		81.2	121.8
192	22.1		18.6	27.8





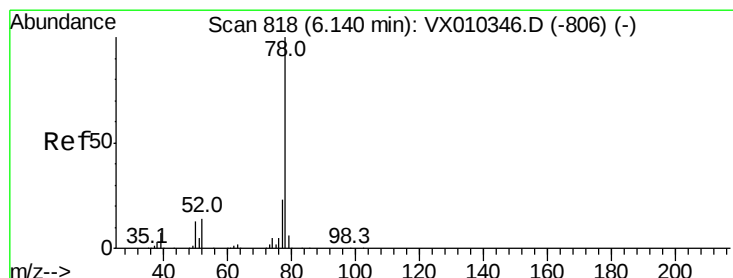
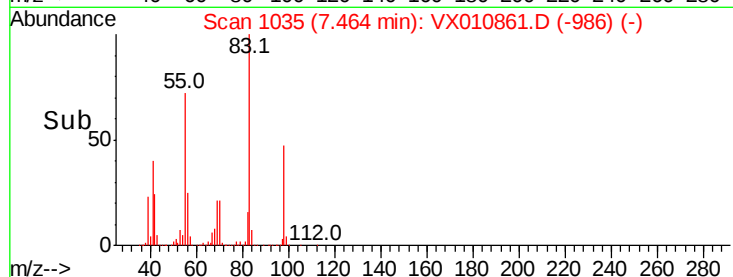
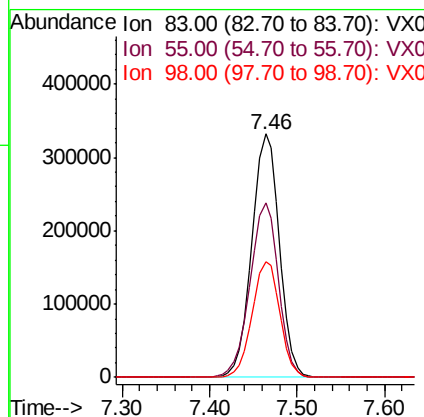
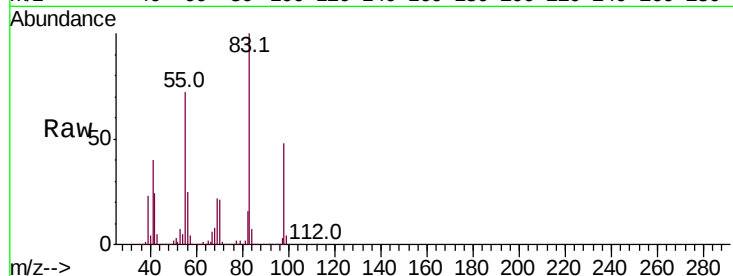
#39
Methvlcvclohexane
Concen: 182.262 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	53.0	79.6
98	47.6	37.8	56.8

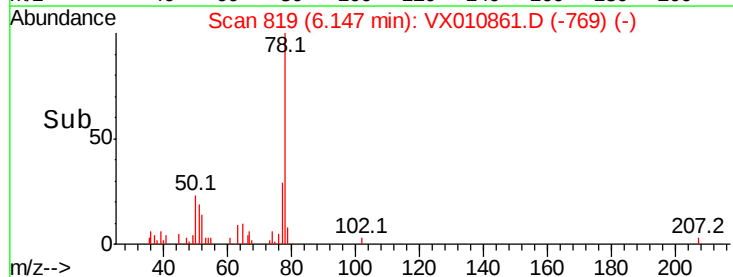
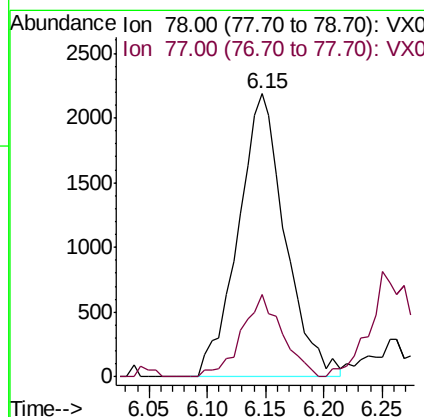
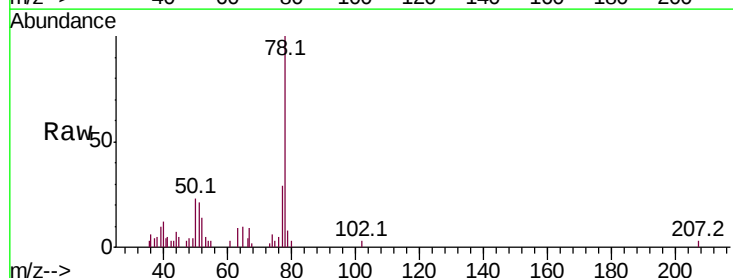
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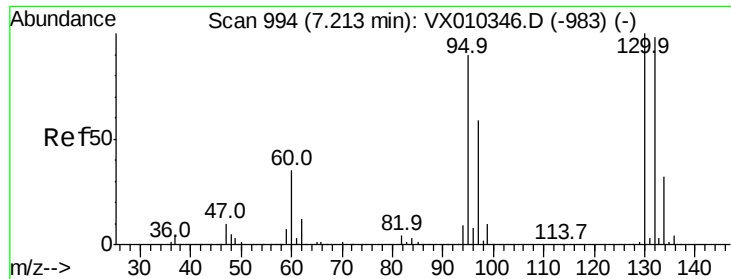
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#40
Benzene
Concen: 0.648 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.9	18.6	28.0#





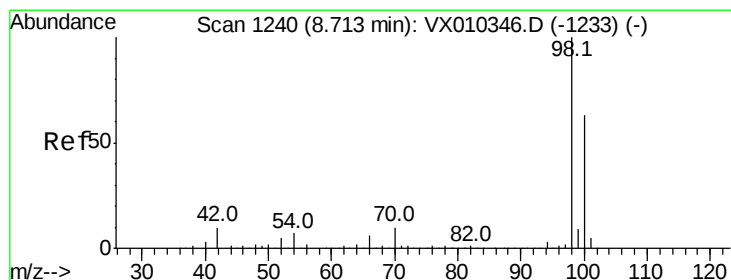
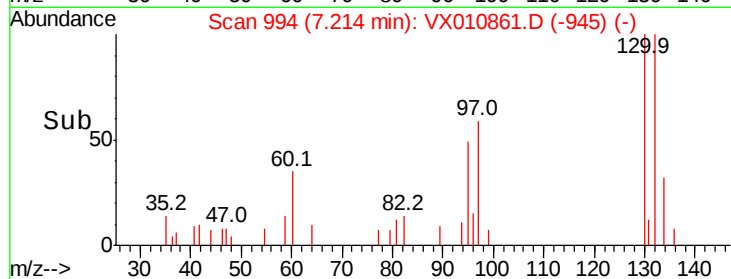
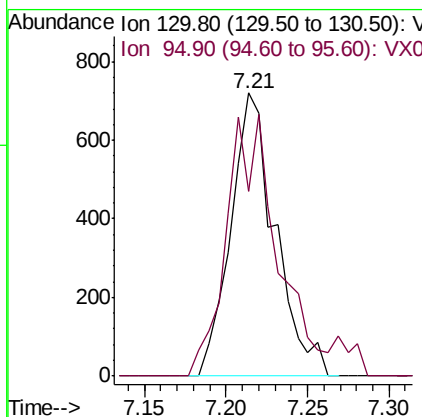
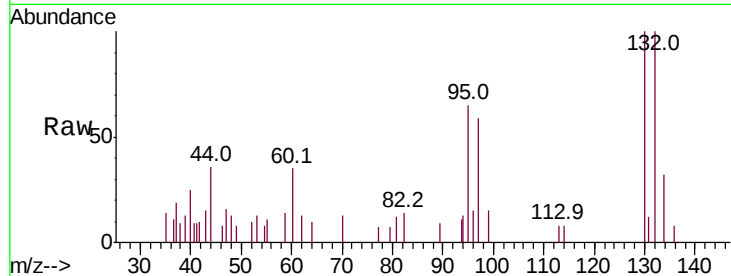
#44
 Trichloroethene
 Concen: 0.482 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Instrument :
 MSVOA_X
 ClientSampled :
 FL- 0594

Tot Ion:130 Resp: 1358
 Ion Ratio Lower Upper
 130 100
 95 65.1 0.0 180.8

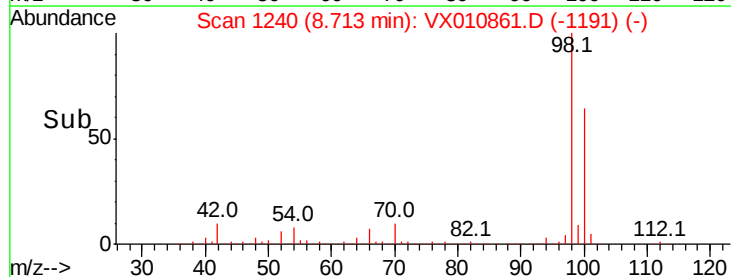
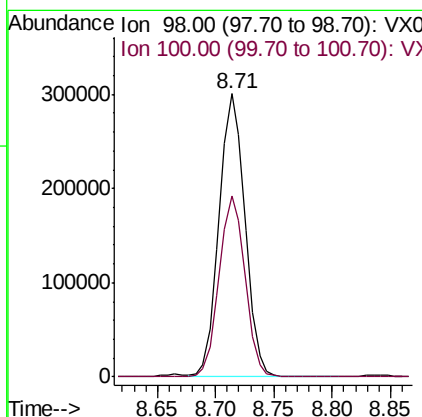
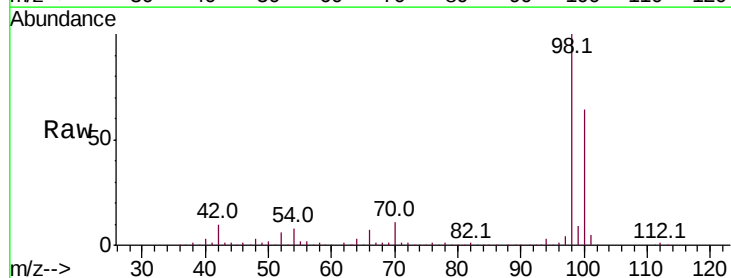
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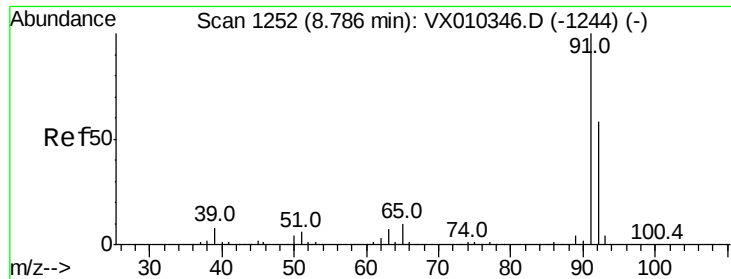
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#50
 Toluene-d8
 Concen: 51.918 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion: 98 Resp: 462509
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.6 77.4





#52

Toluene

Concen: 1.055 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampleId :

FL- 0594

Tot Ion: 92 Resp: 6546

Ion Ratio Lower Upper

92 100

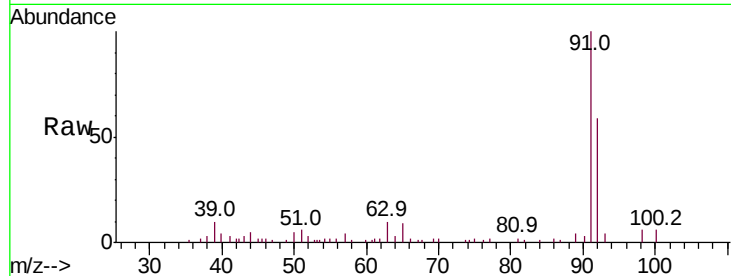
91 184.9 139.8 209.6

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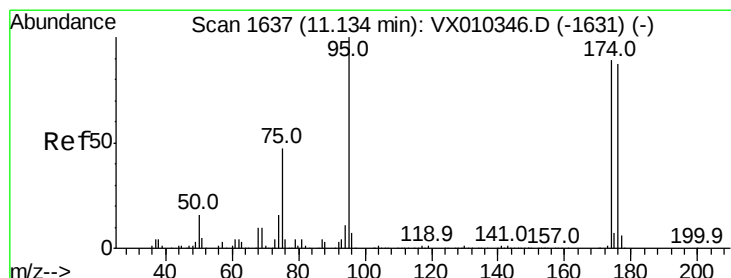
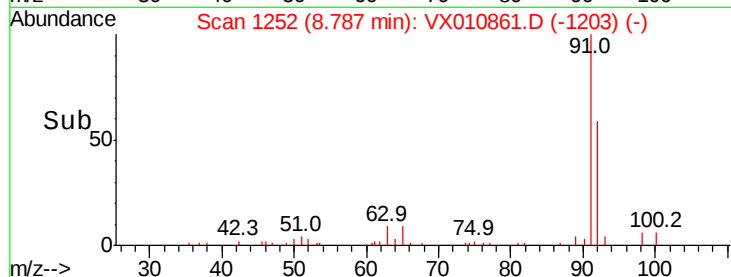
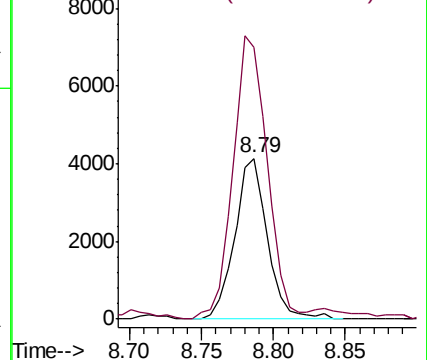
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 53.146 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

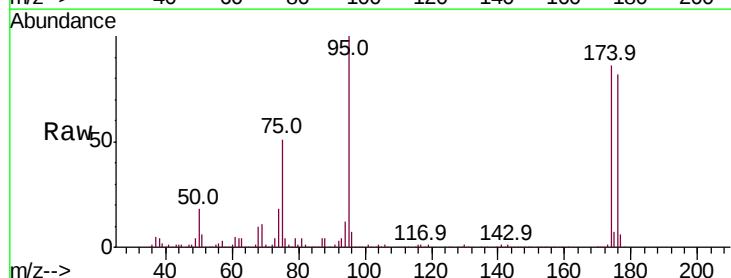
Tgt Ion: 95 Resp: 170927

Ion Ratio Lower Upper

95 100

174 91.0 0.0 187.6

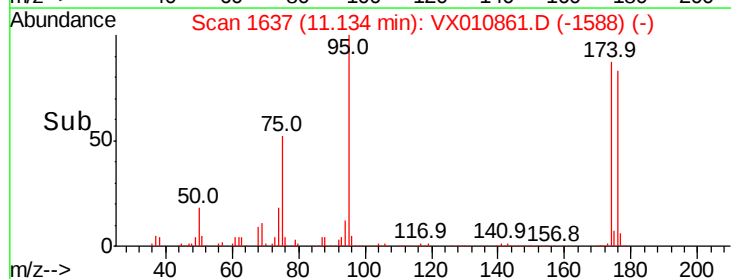
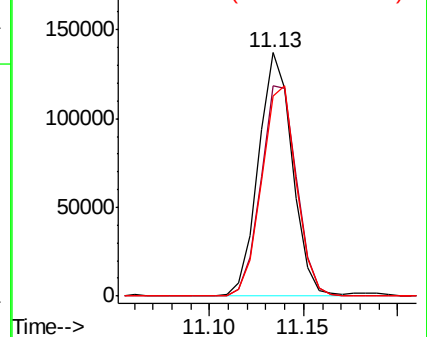
176 88.5 0.0 184.0

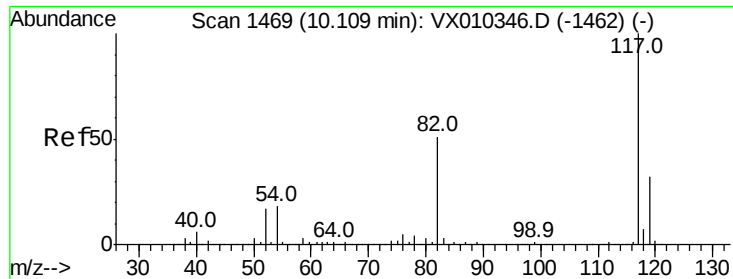


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

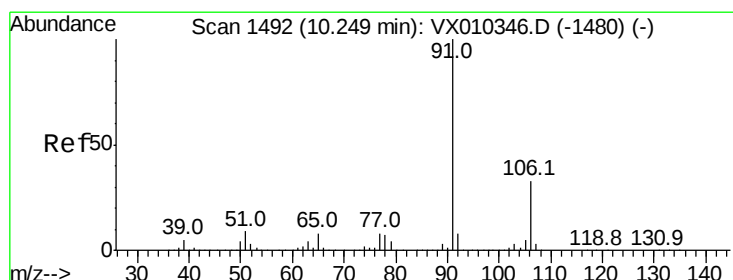
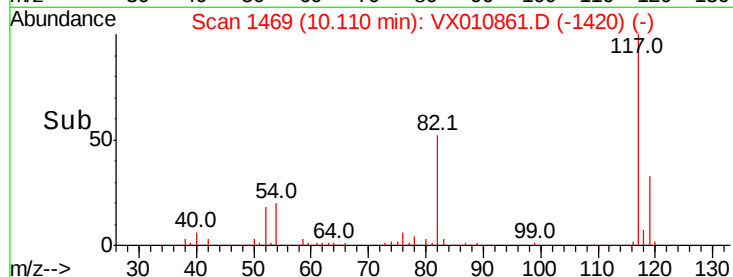
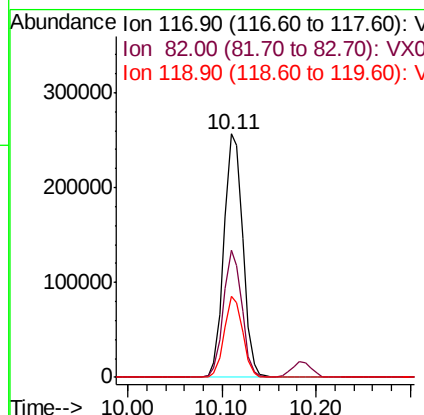
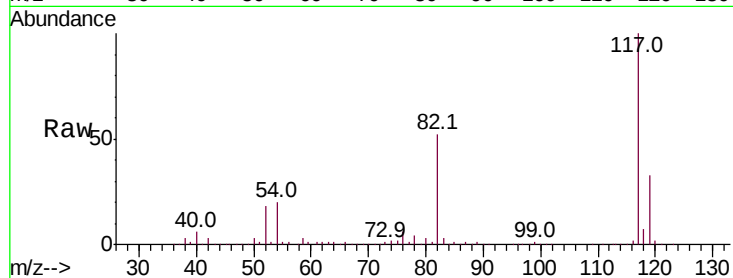
ClientSampled :

FL- 0594

Tot Ion:	117	Resp:	357317
Ion Ratio	Lower	Upper	
117	100		
82	52.0	41.2	61.8
119	33.4	25.5	38.3

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#67

Ethyl Benzene

Concen: 313.742 ug/l

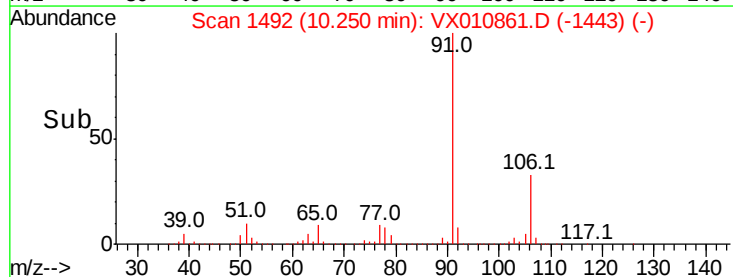
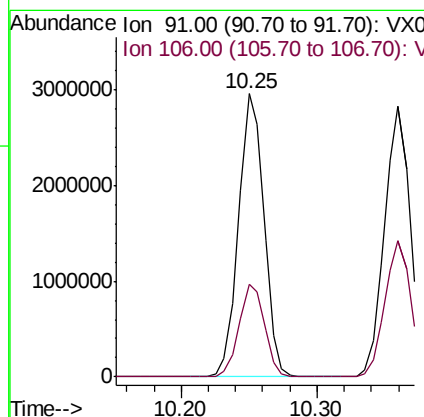
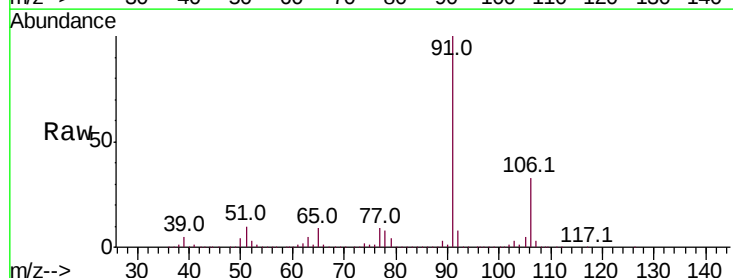
RT: 10.25 min Scan# 1492

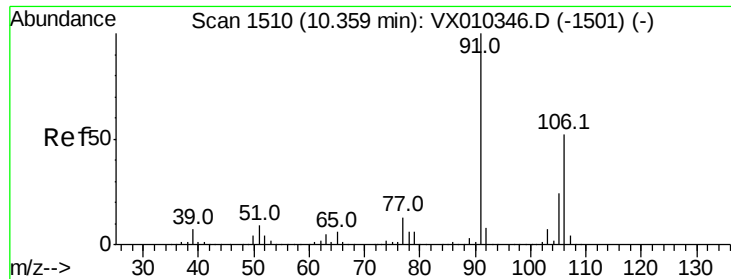
Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Tgt Ion:	91	Resp:	3842307
Ion Ratio	Lower	Upper	
91	100		
106	32.6	26.2	39.2





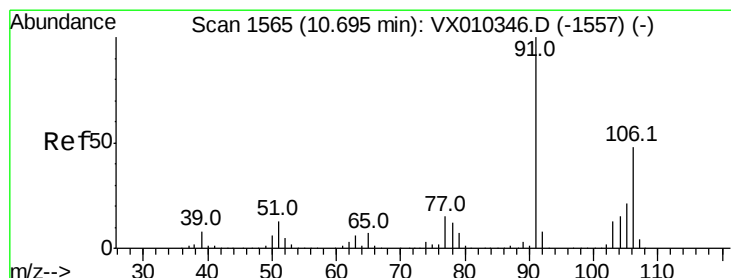
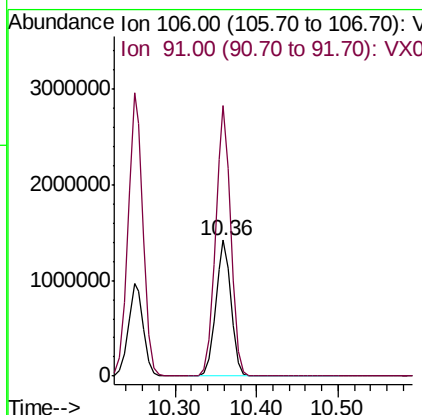
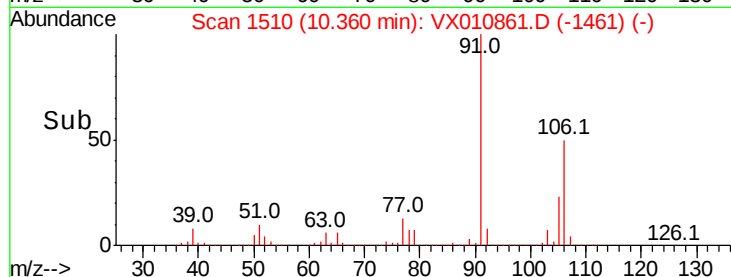
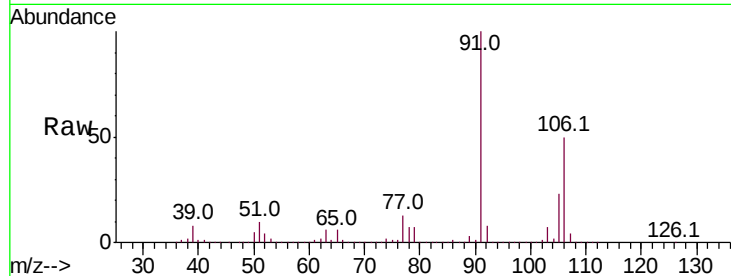
#68
m/p-Xylenes
Concen: 395.813 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Instrument :
MSVOA_X
ClientSampled :
FL- 0594

Tot Ion:106 Resp: 1878250
Ion Ratio Lower Upper
106 100
91 198.6 155.3 232.9

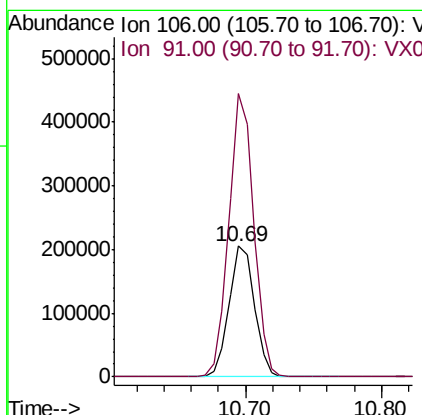
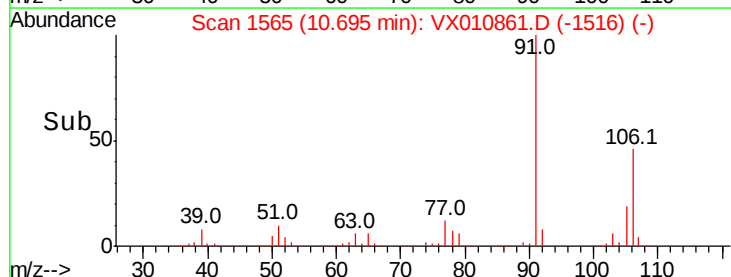
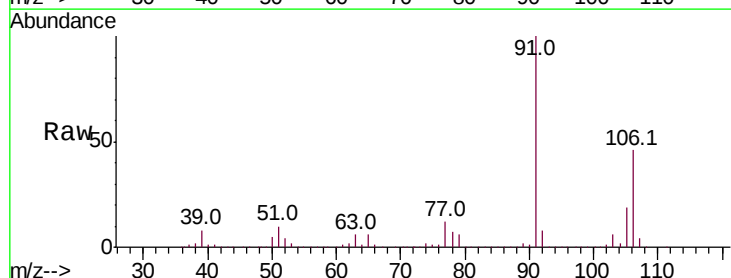
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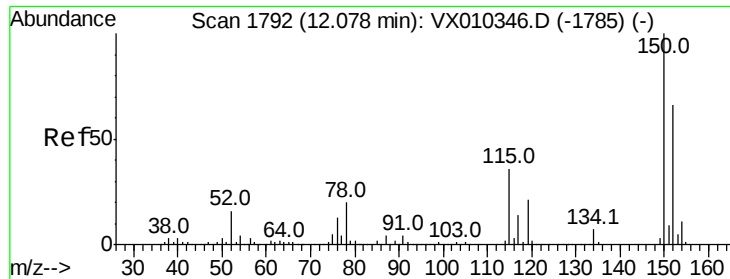
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#69
o-Xylene
Concen: 57.363 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion:106 Resp: 267689
Ion Ratio Lower Upper
106 100
91 211.3 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

Tot Ion:152 Resp: 187927

Ion Ratio Lower Upper

152 100

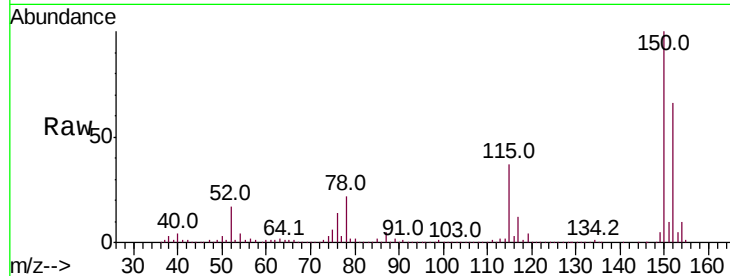
115 61.8 38.6 115.7

150 156.3 0.0 347.4

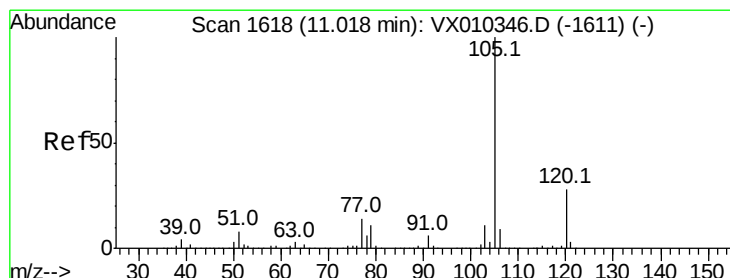
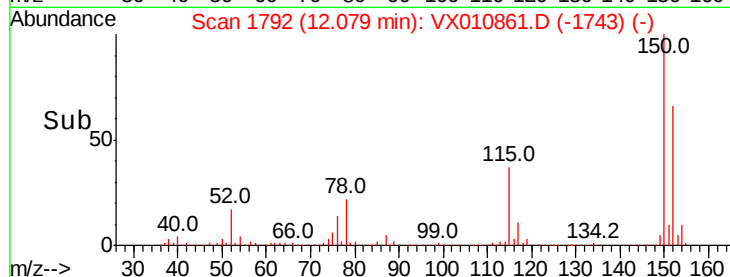
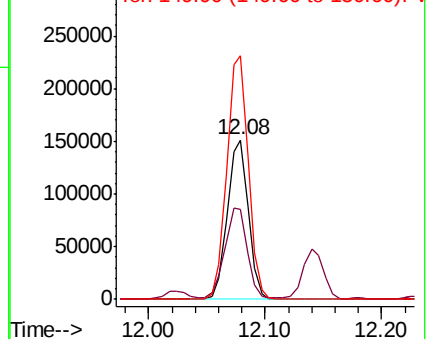
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 30.247 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010861.D

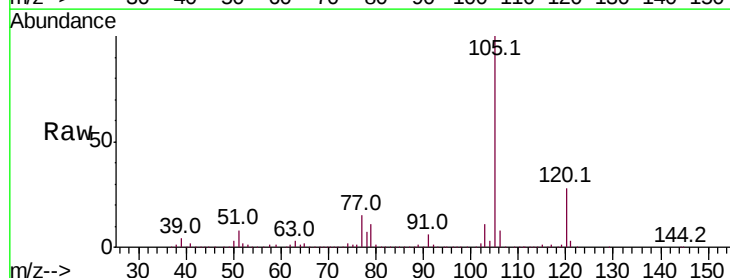
Acq: 13 Jul 2019 01:22

Tgt Ion:105 Resp: 385321

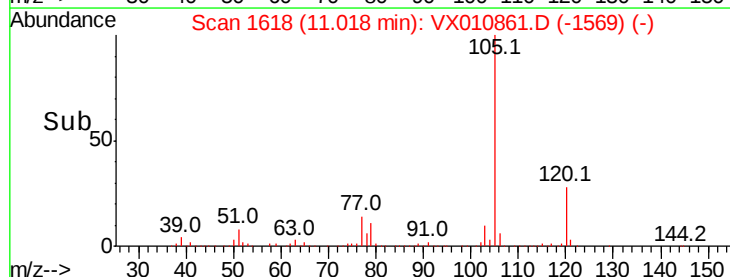
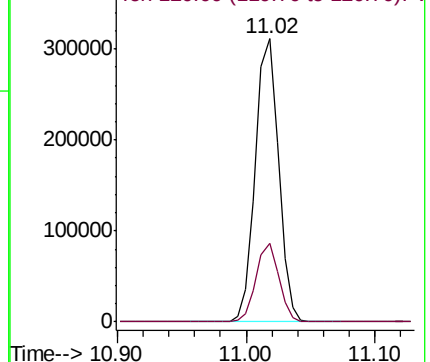
Ion Ratio Lower Upper

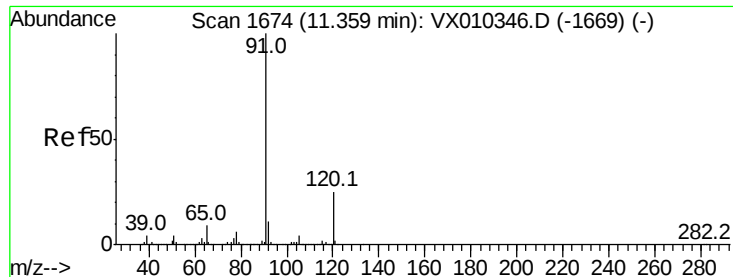
105 100

120 27.3 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 46.141 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

Tot Ion: 91 Resp: 646012

Ion Ratio Lower Upper

91 100

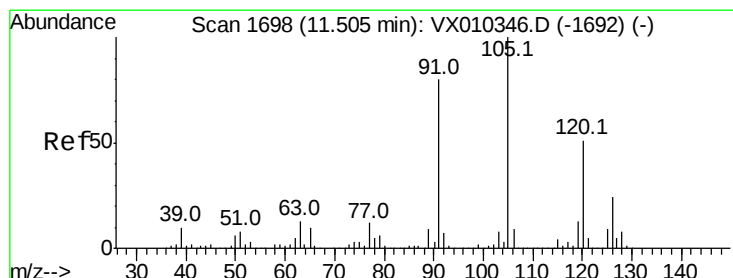
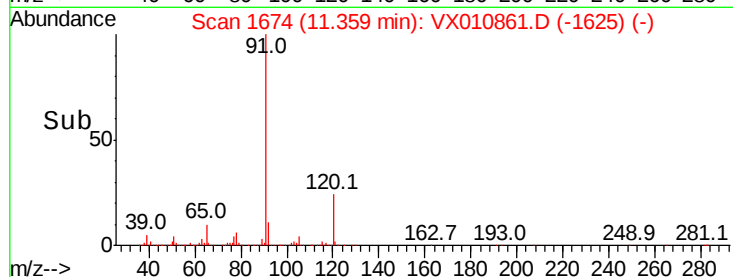
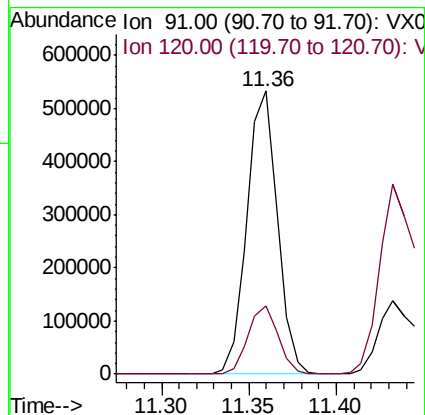
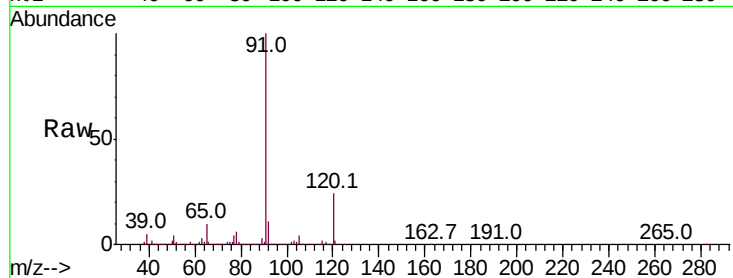
120 24.1 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 74.021 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010861.D

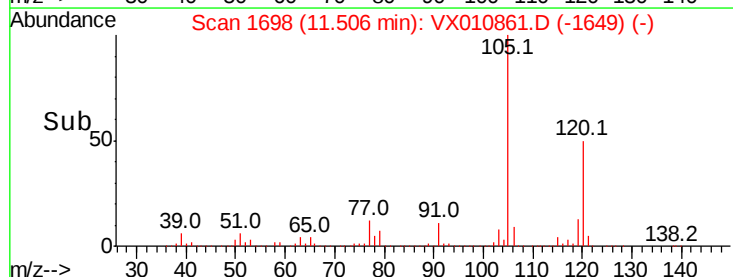
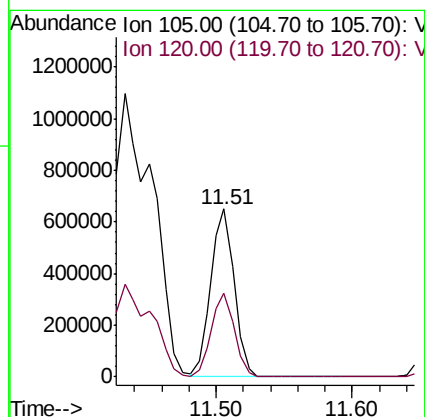
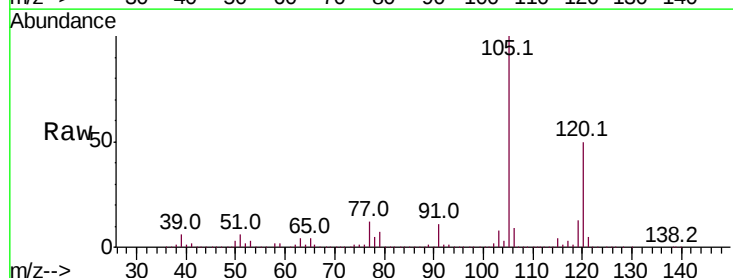
Acq: 13 Jul 2019 01:22

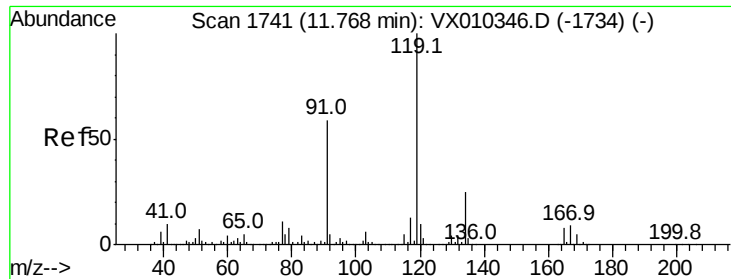
Tgt Ion: 105 Resp: 777363

Ion Ratio Lower Upper

105 100

120 49.2 25.2 75.6





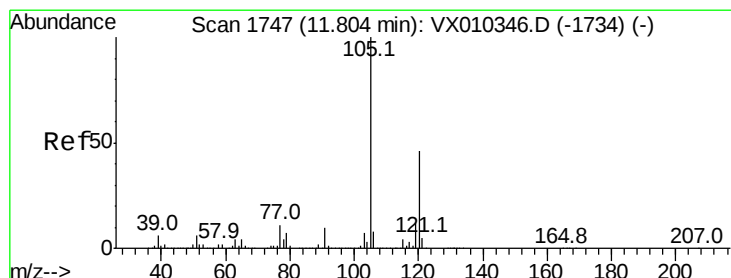
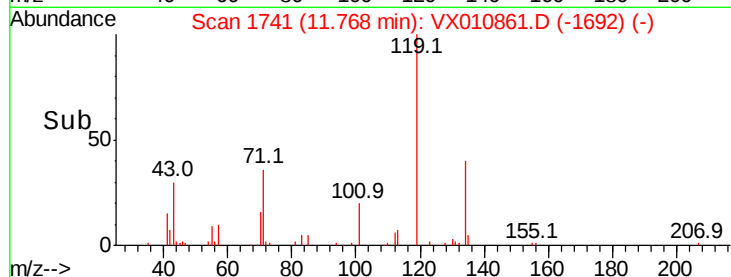
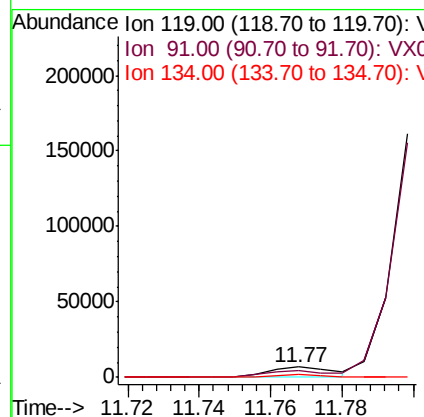
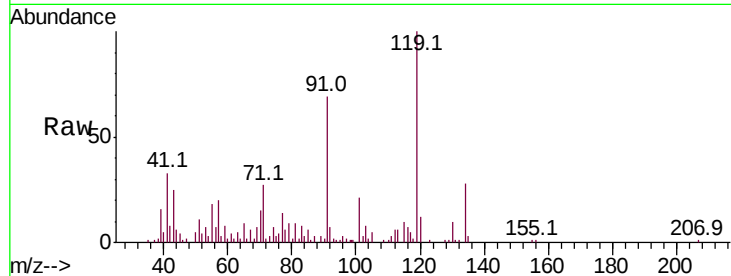
#83
tert-Butylbenzene
Concen: 0.795 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

Tot Ion:119 Resp: 8385
Ion Ratio Lower Upper
119 100
91 3694.3 27.6 82.7
134 0.0 11.8 35.4#

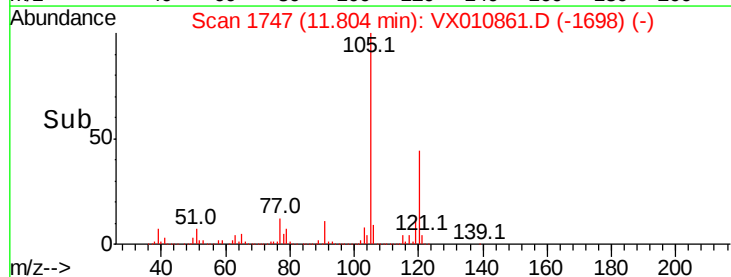
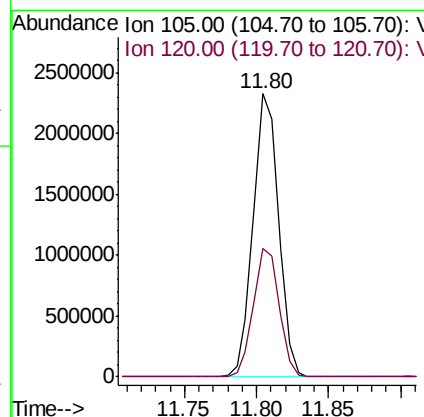
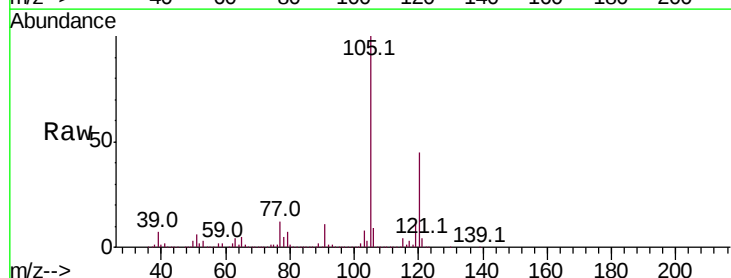
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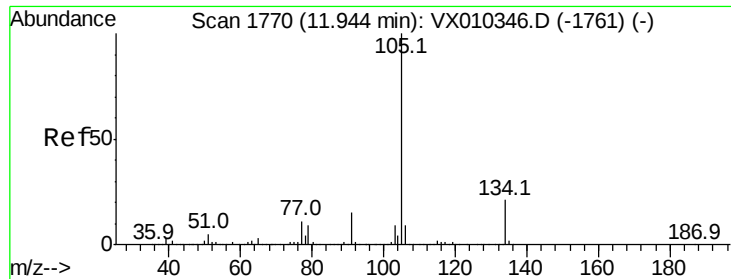
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#84
1,2,4-Trimethylbenzene
Concen: 268.212 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion:105 Resp: 2829937
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 10.347 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

Tot Ion:105 Resp: 128050

Ion Ratio Lower Upper

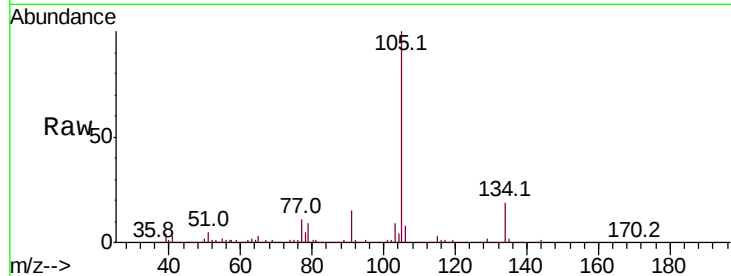
105 100

134 27.5 10.7 31.9

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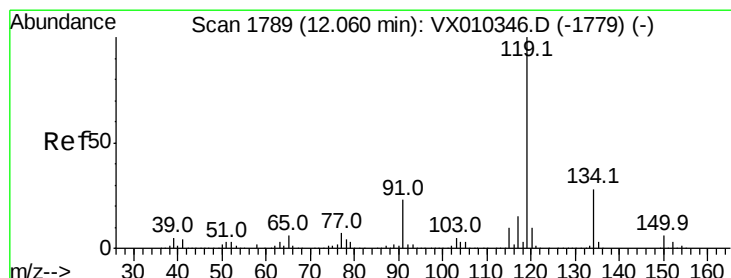
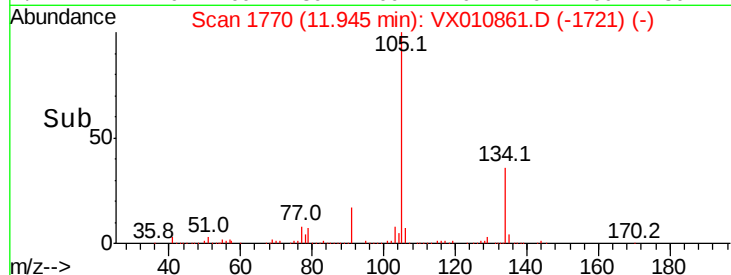
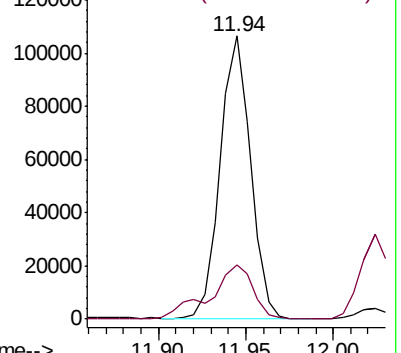
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.003 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

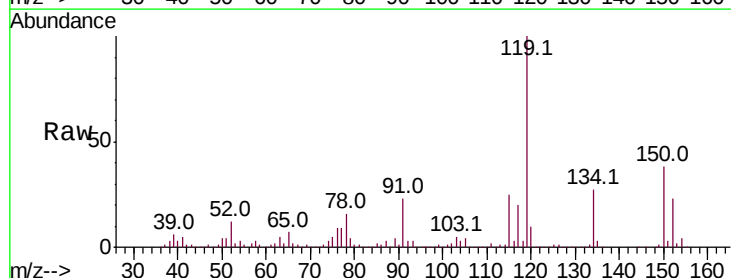
Tgt Ion:119 Resp: 103057

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

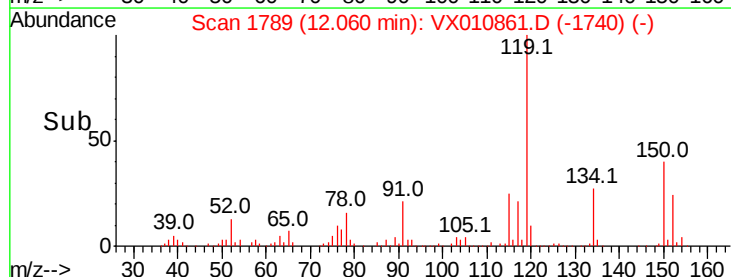
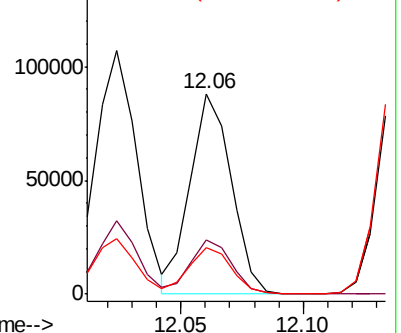
91 23.9 11.3 33.8

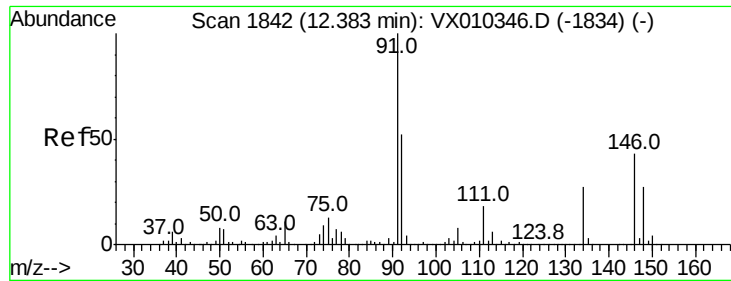


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





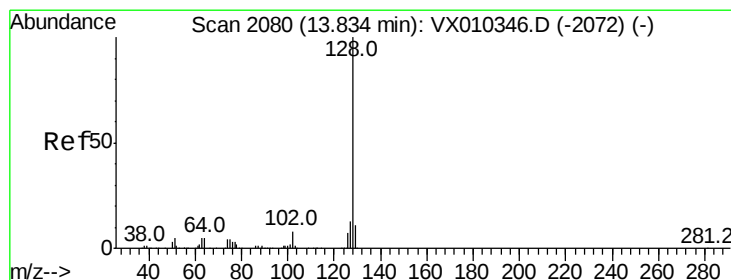
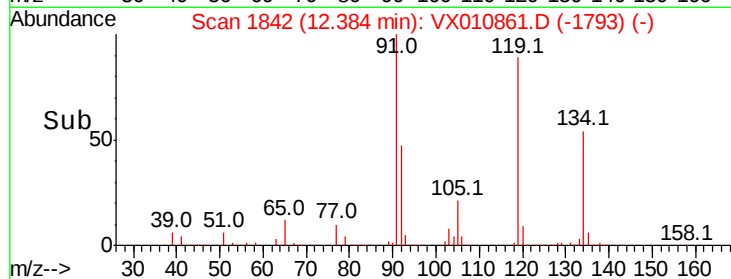
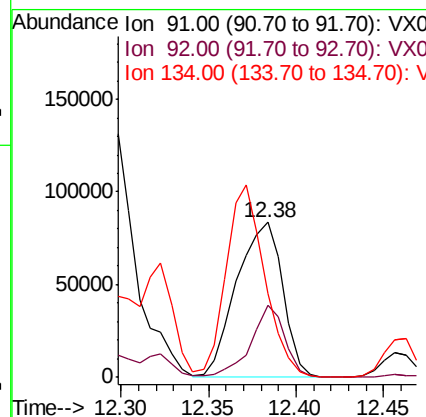
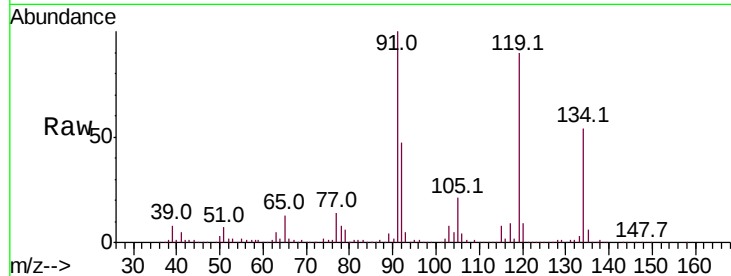
#89
n-Butylbenzene
Concen: 15.667 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

Tot Ion	Ratio	Resp	Lower	Upper
91	100	152405		
92	34.3	26.2	78.5	
134	104.2	14.1	42.4	

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#95
Naphthalene
Concen: 62.395 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	820586		
127	13.0	10.2	15.4	
129	11.3	8.9	13.3	

