

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011040.D
 Acq On : 22 Jul 2019 18:57
 Operator : JC/SP
 Sample : K3884-22DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0623DL

Manual Integrations
 APPROVED

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 7/23/2019 11:11:59 AM

Quant Time: Jul 23 06:57:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121368	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
35) Dibromofluoromethane	5.50	113	108344	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	423195	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	157831	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	23386	7.315	ug/l	97
39) Methylcyclohexane	7.46	83	48339	12.846	ug/l	98
52) Toluene	8.79	92	2822	0.483	ug/l	94
67) Ethyl Benzene	10.25	91	455833	39.782	ug/l	98
68) m/p-Xylenes	10.36	106	402381	91.549	ug/l	99
69) o-Xylene	10.69	106	298473	69.581	ug/l	100
73) Isopropylbenzene	11.02	105	57567	5.225	ug/l	99
78) n-propylbenzene	11.36	91	72001	5.914	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	86981	9.448	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	304123	32.774	ug/l	99
85) sec-Butylbenzene	11.94	105	9441	0.891	ug/l	88
86) p-Isopropyltoluene	12.06	119	8508	0.868	ug/l	92
89) n-Butylbenzene	12.38	91	2649m	0.316	ug/l	
95) Naphthalene	13.83	128	44840	4.287	ug/l	99

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

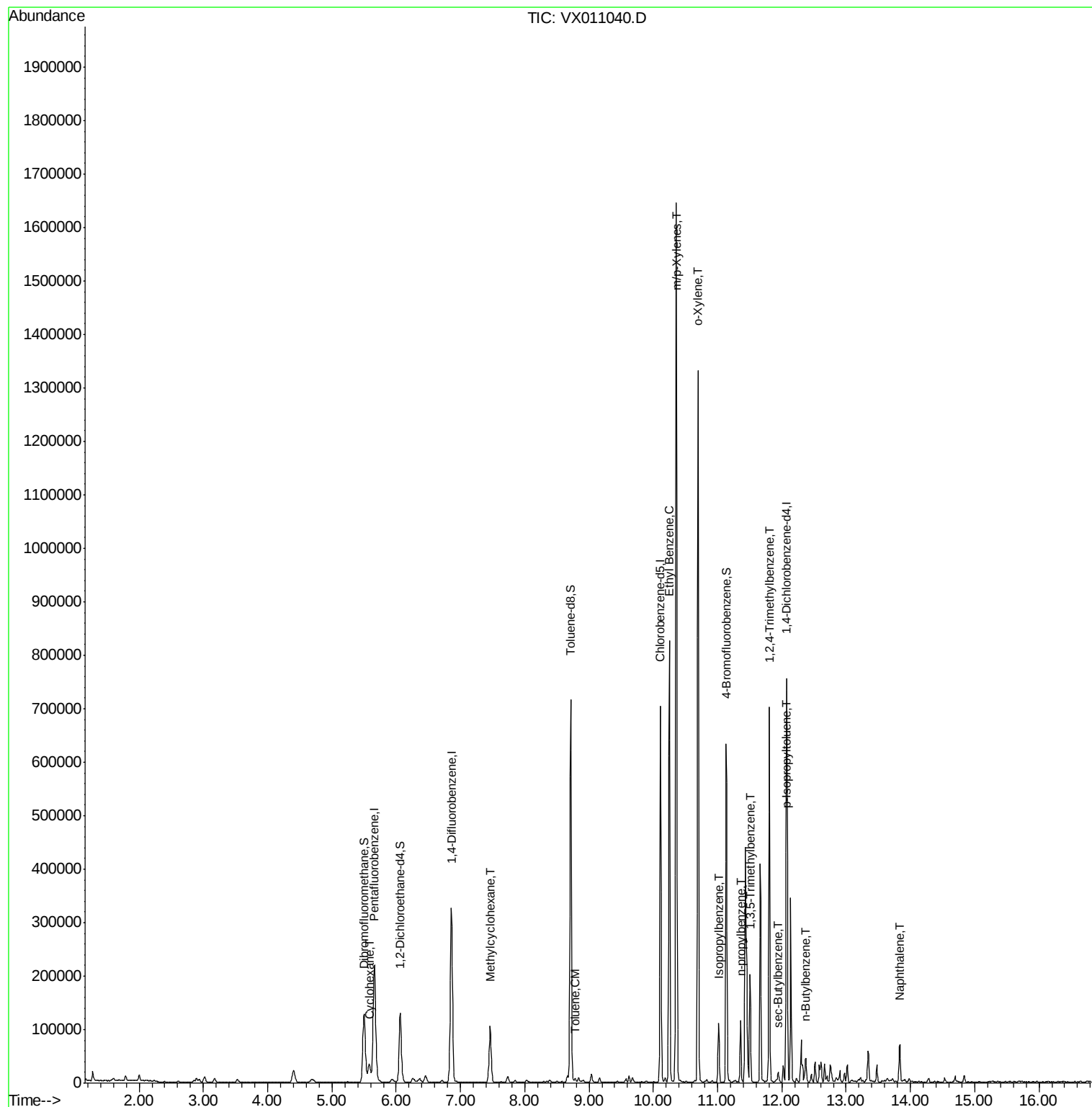
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072219\
Data File : VX011040.D
Acq On : 22 Jul 2019 18:57
Operator : JC/SP
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ALS Vial : 23 Sample Multiplier: 1

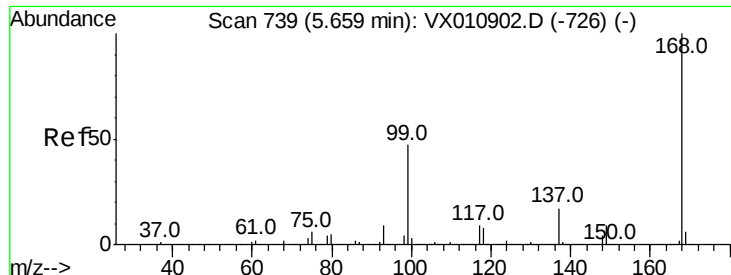
Instrument :
MSVOA_X
ClientSampleId :
FL-0623DL

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Quant Time: Jul 23 06:57:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 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: VX011040.D

Acq: 22 Jul 2019 18:57

Instrument :

MSVOA_X

ClientSampled :

FL-0623DL

Tot Ion:168 Resp: 221329

Ion Ratio Lower Upper

168 100

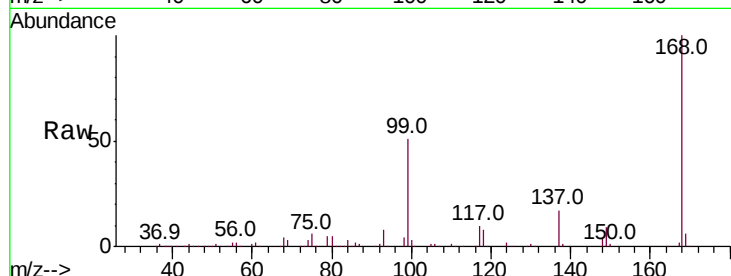
99 50.8 37.6 56.4

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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

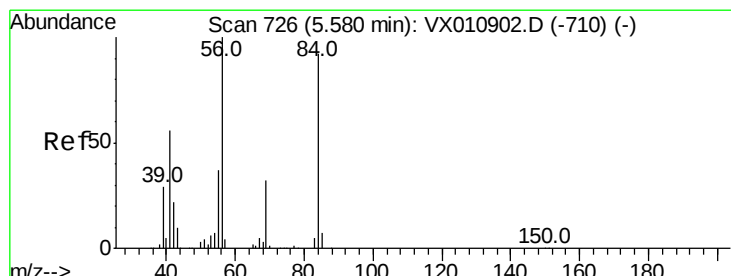
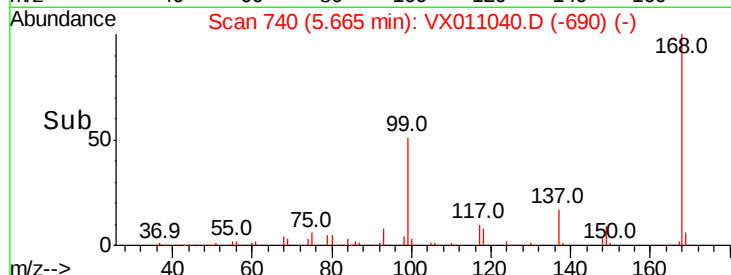
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 7.315 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

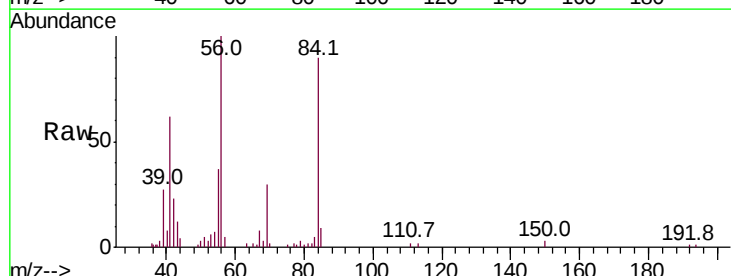
Tgt Ion: 56 Resp: 23386

Ion Ratio Lower Upper

56 100

69 29.2 25.8 38.8

84 90.2 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

10000

8000

6000

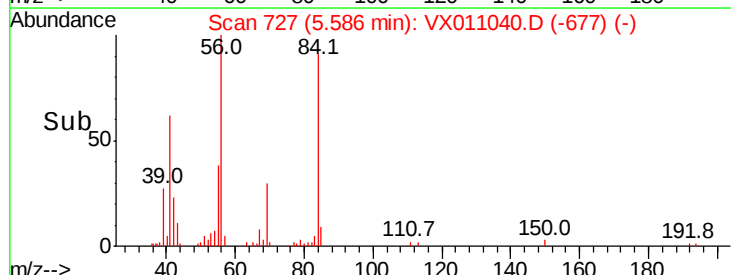
4000

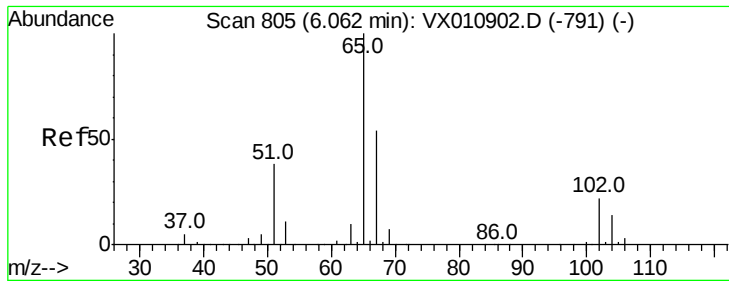
2000

0

Time-->

5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 51.545 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Instrument :

MSVOA_X

ClientSampled :

FL-0623DL

Tot Ion: 65 Resp: 121368

Ion Ratio Lower Upper

65 100

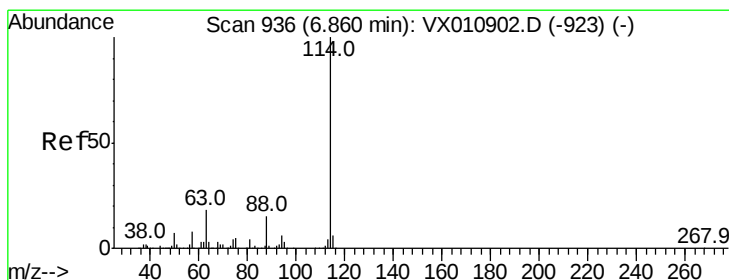
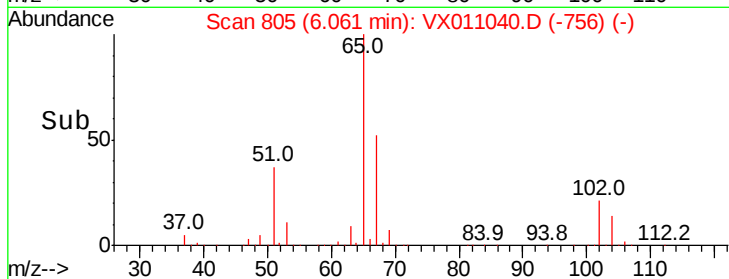
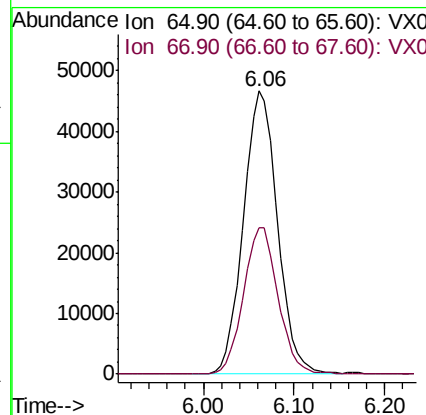
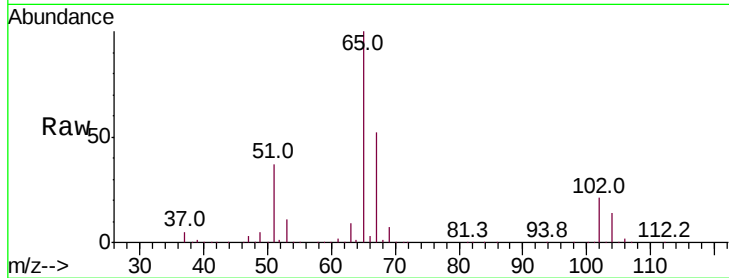
67 52.5 0.0 107.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

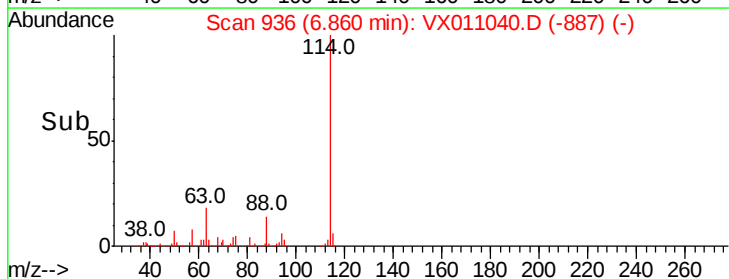
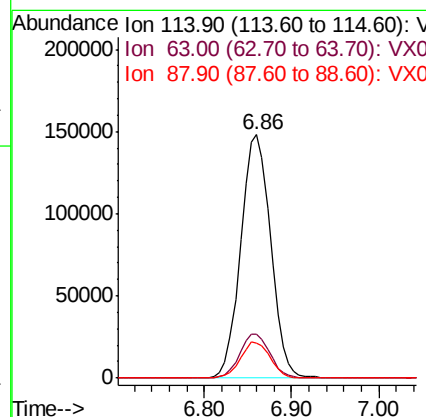
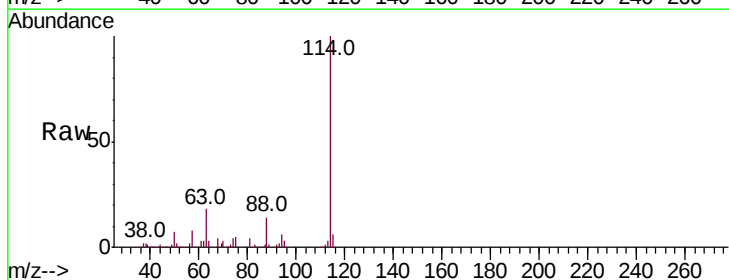
Tgt Ion: 114 Resp: 353271

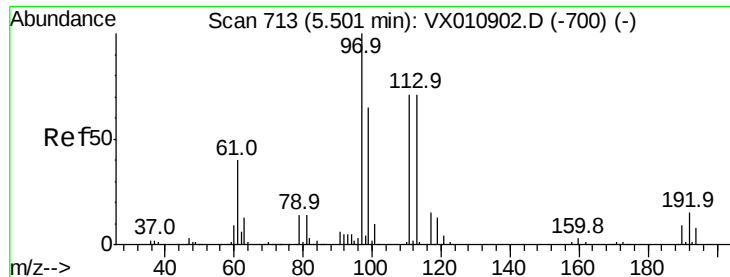
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.319 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Instrument :

MSVOA_X

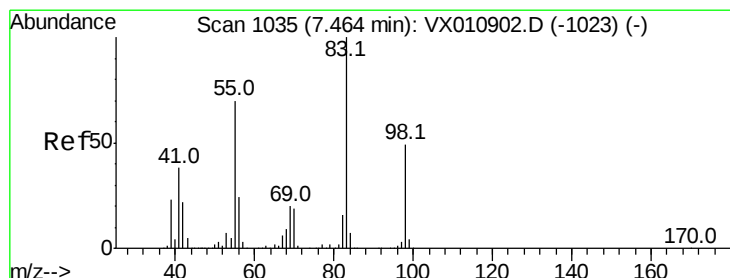
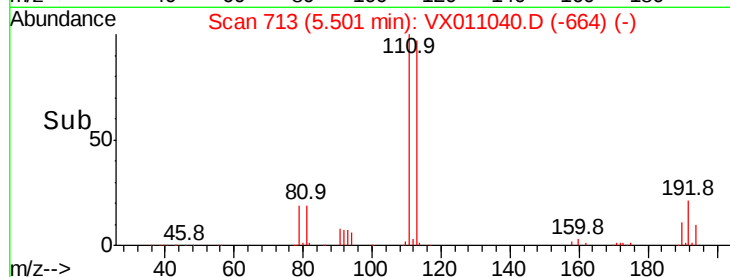
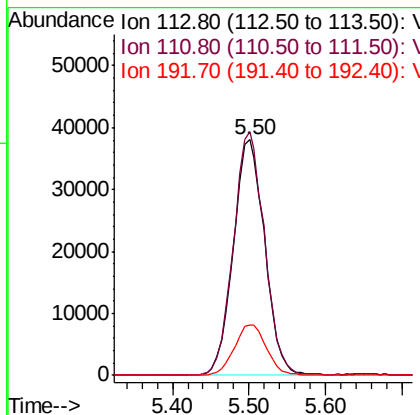
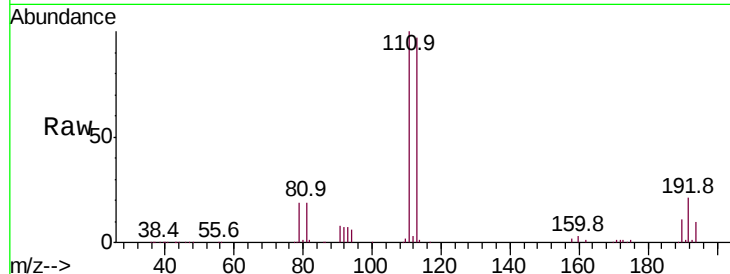
ClientSampled :

FL-0623DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.3	123.5
192	22.0	17.4	26.2

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#39

Methylcyclohexane

Concen: 12.846 ug/l

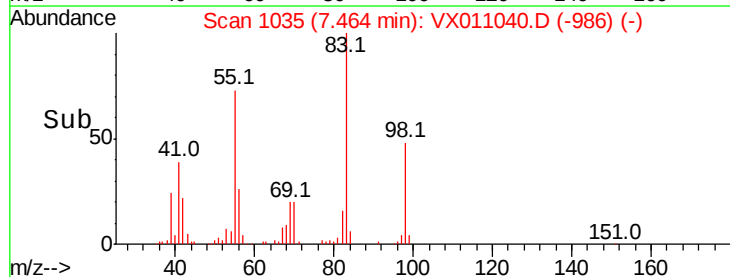
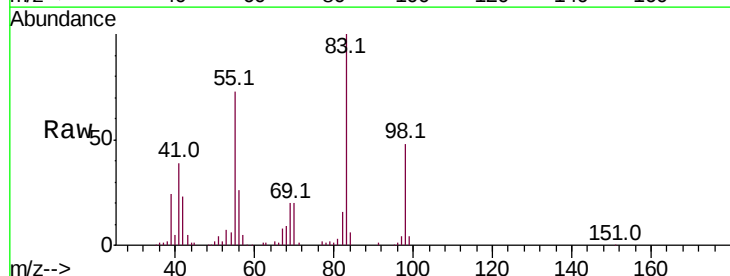
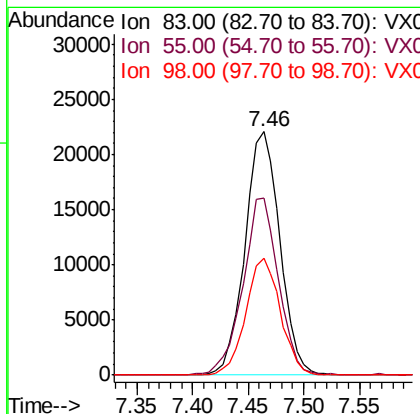
RT: 7.46 min Scan# 1035

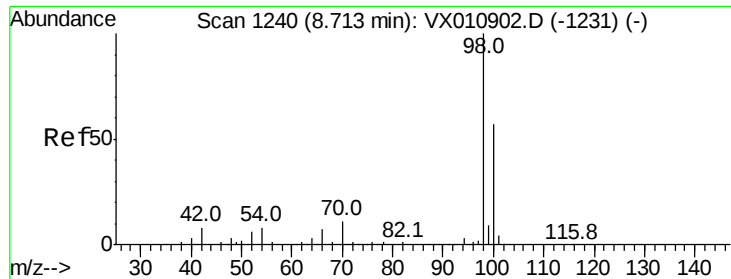
Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.6	56.2	84.4
98	48.0	39.0	58.4





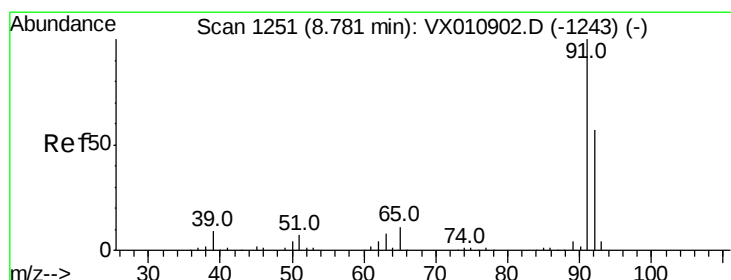
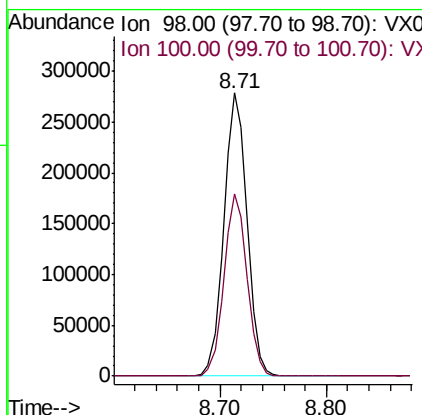
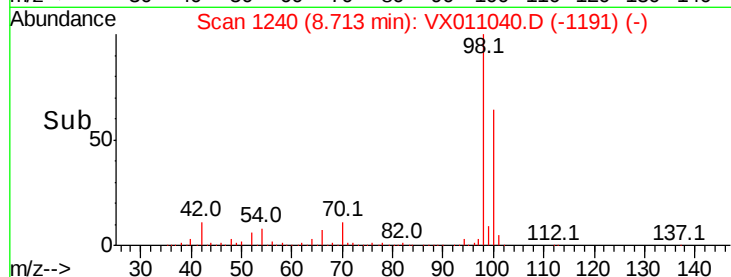
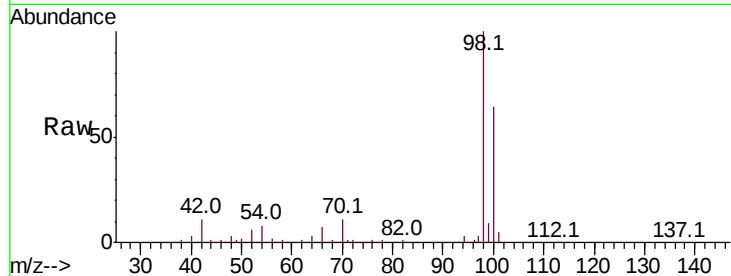
#50
Toluene-d8
Concen: 50.320 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011040.D
Acq: 22 Jul 2019 18:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0623DL

Tot Ion: 98 Resp: 423195
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8

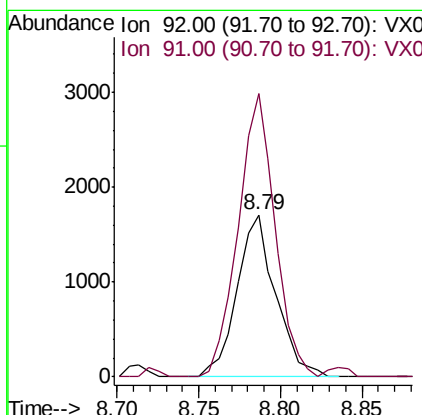
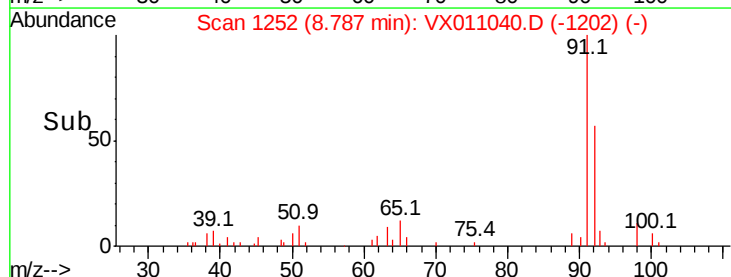
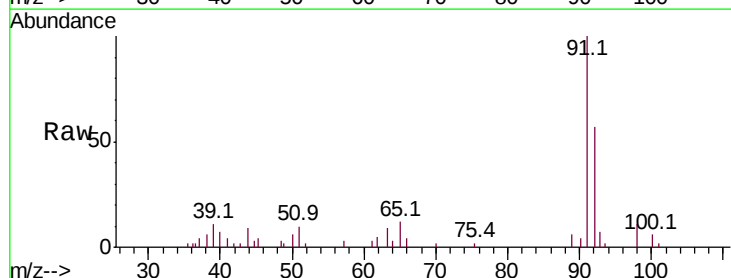
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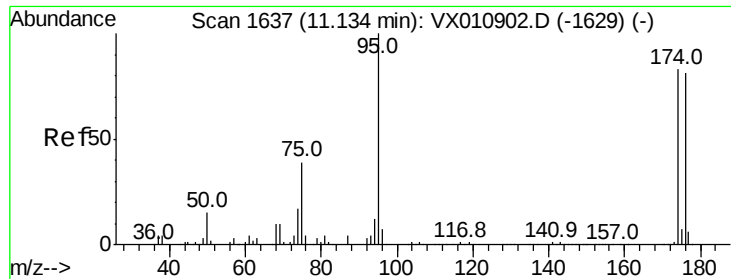
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#52
Toluene
Concen: 0.483 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011040.D
Acq: 22 Jul 2019 18:57

Tgt Ion: 92 Resp: 2822
Ion Ratio Lower Upper
92 100
91 166.5 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 51.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Instrument :

MSVOA_X

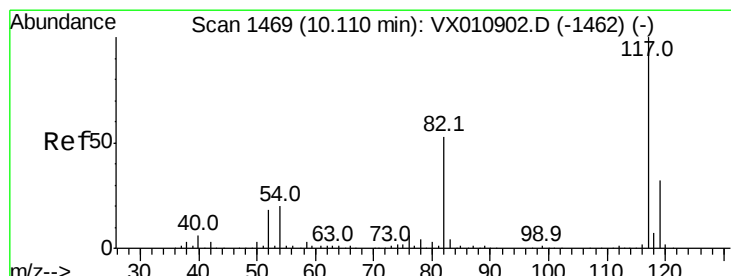
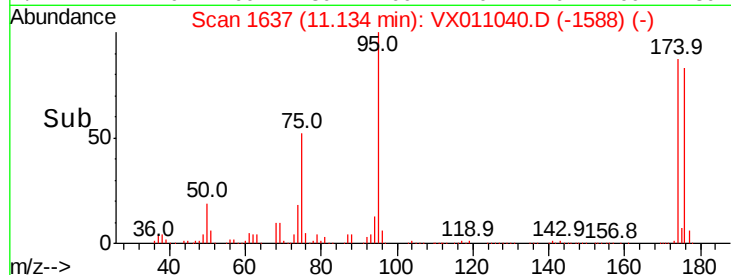
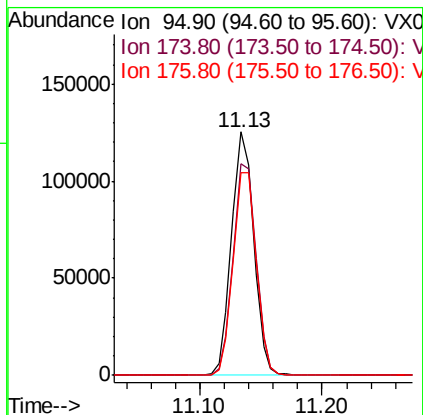
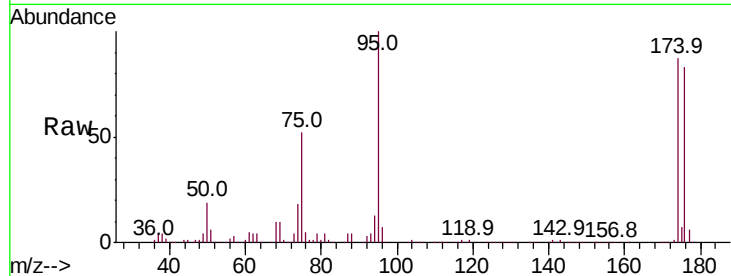
ClientSampleId :

FL-0623DL

Tot Ion:	95	Resp:	157831
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	180.6
176	86.9	0.0	173.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

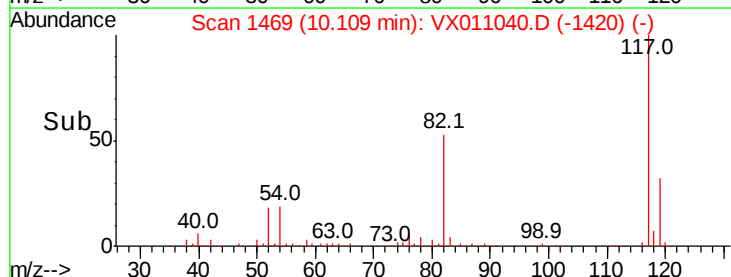
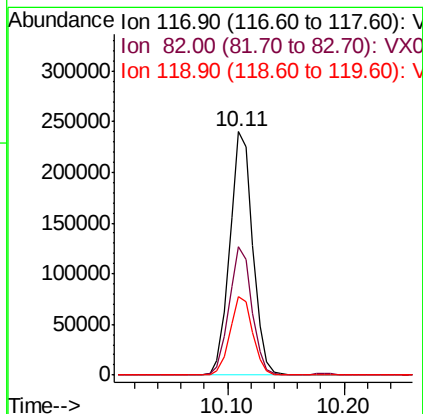
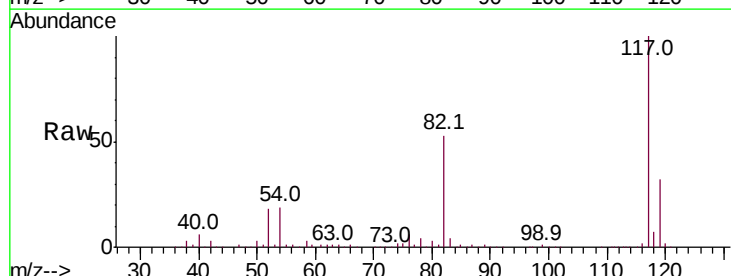
RT: 10.11 min Scan# 1469

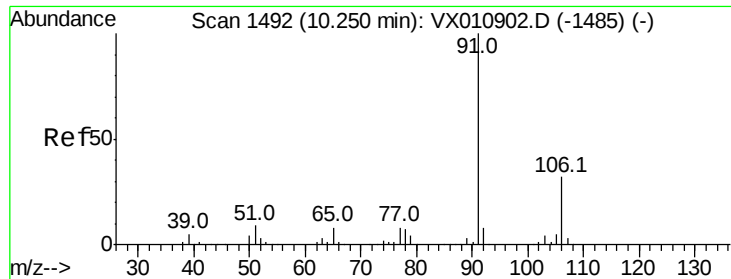
Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Tgt Ion:	117	Resp:	327750
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.6	63.8
119	32.1	25.9	38.9





#67

Ethyl Benzene

Concen: 39.782 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0623DL

Tot Ion: 91 Resp: 455833

Ion Ratio Lower Upper

91 100

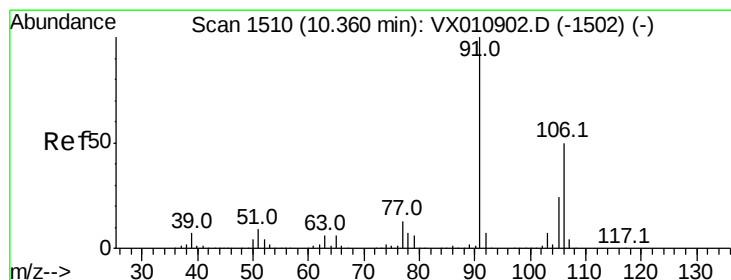
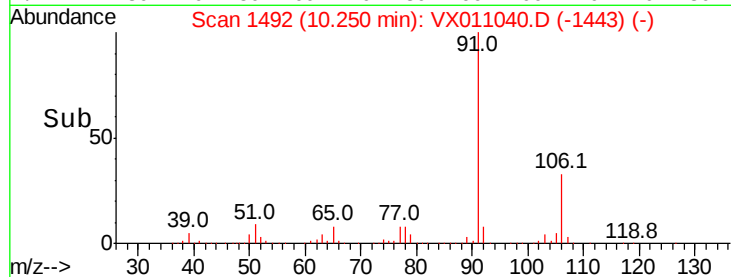
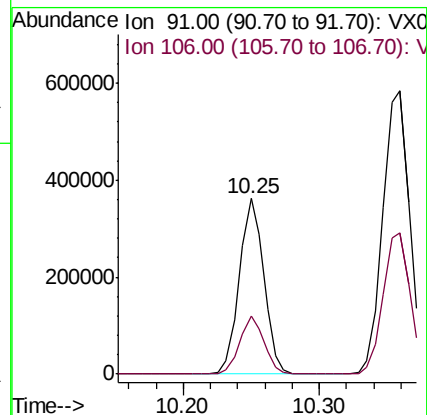
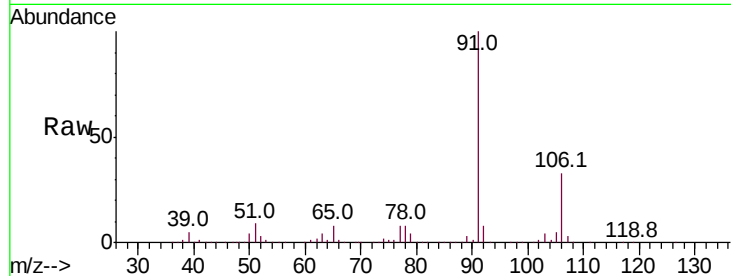
106 32.8 25.4 38.2

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#68

m/p-Xylenes

Concen: 91.549 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011040.D

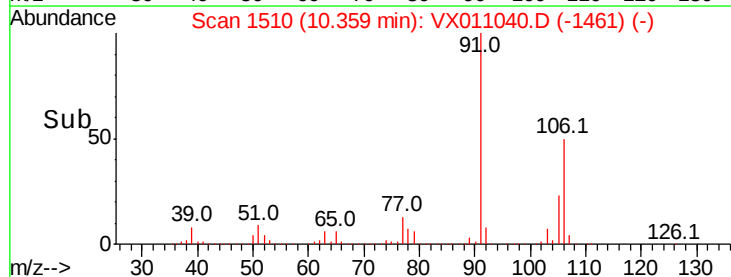
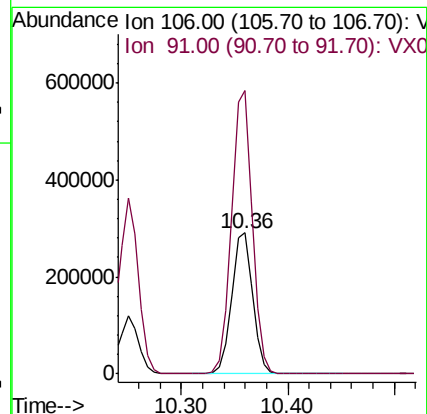
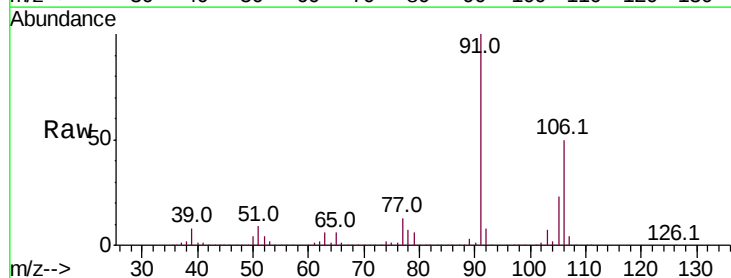
Acq: 22 Jul 2019 18:57

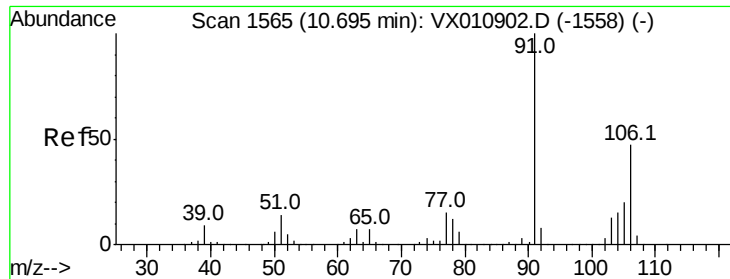
Tgt Ion: 106 Resp: 402381

Ion Ratio Lower Upper

106 100

91 199.1 160.1 240.1





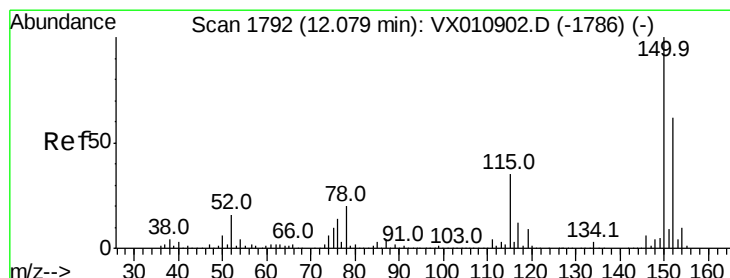
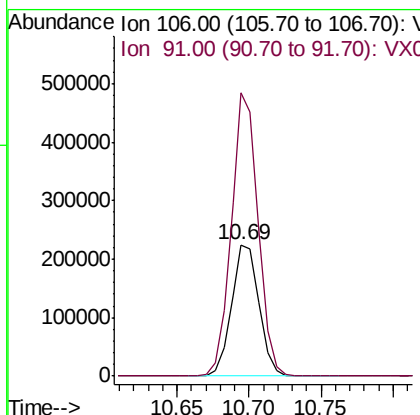
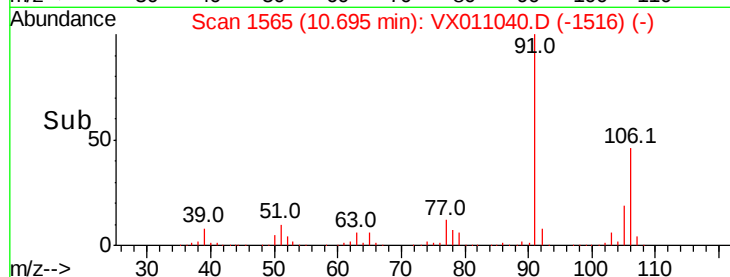
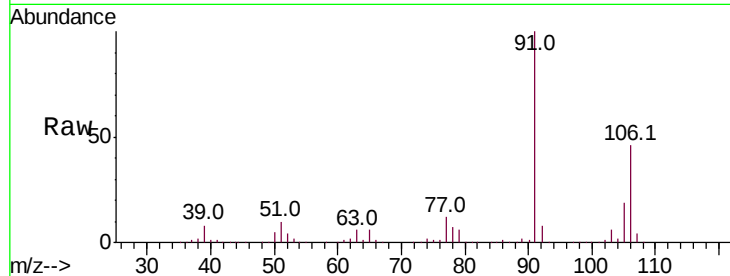
#69
o-Xylene
Concen: 69.581 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011040.D
Acq: 22 Jul 2019 18:57

Instrument :
MSVOA_X
Client Sampled :
FL-0623DL

Tot Ion	Ratio	Resp	Lower	Upper
106	100	298473		
91	210.5	105.1	315.3	

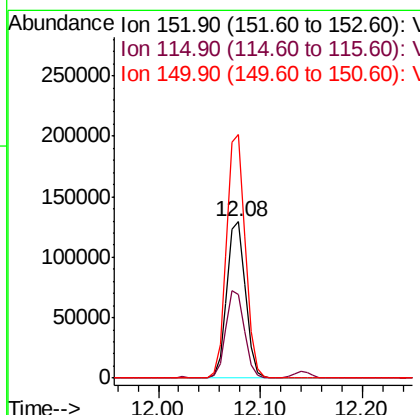
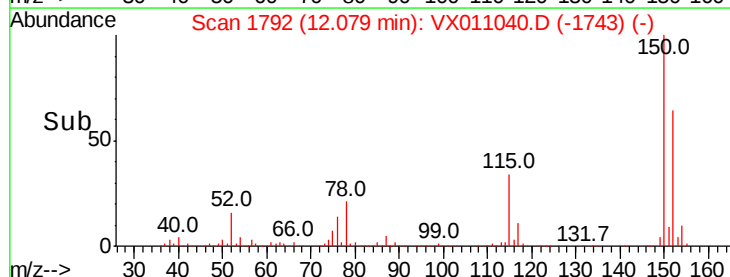
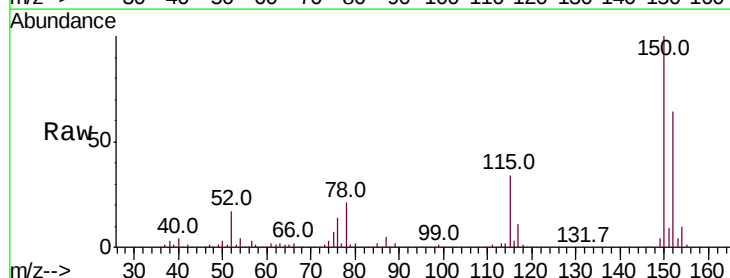
Manual Integrations
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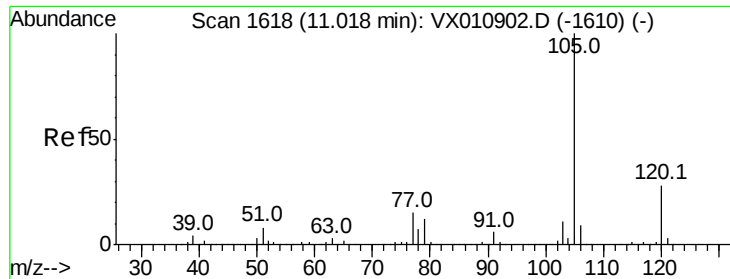
MMDadoda
7/23/2019 11:11:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011040.D
Acq: 22 Jul 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	163060		
115	55.6	39.7	119.1	
150	156.5	0.0	345.6	





#73

Isopropylbenzene

Concen: 5.225 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011040.D

Acq: 22 Jul 2019 18:57

Instrument :

MSVOA_X

ClientSampled :

FL-0623DL

Tot Ion: 105 Resp: 57567

Ion Ratio Lower Upper

105 100

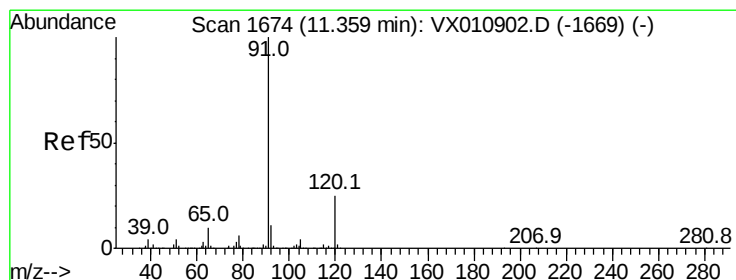
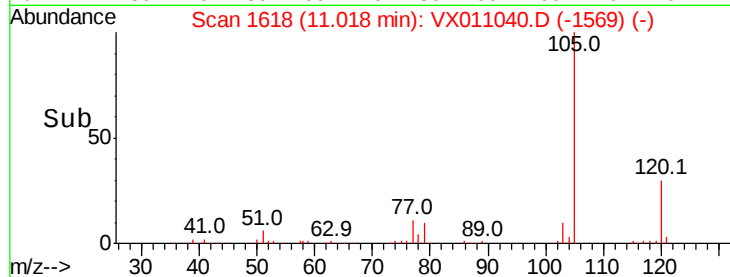
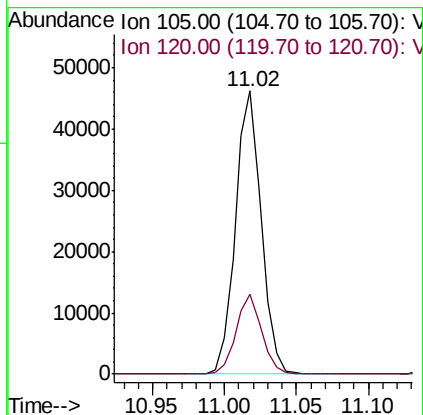
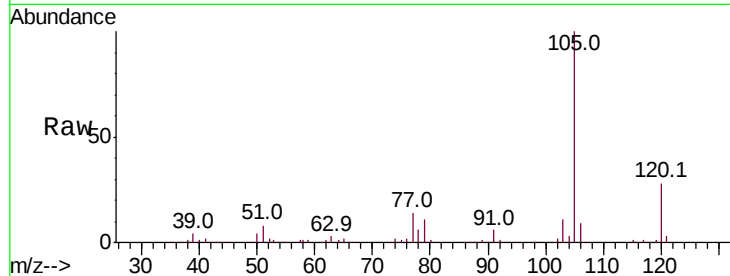
120 28.0 13.7 41.1

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#78

n-propylbenzene

Concen: 5.914 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011040.D

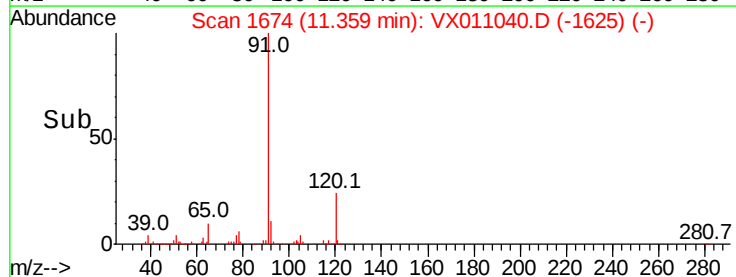
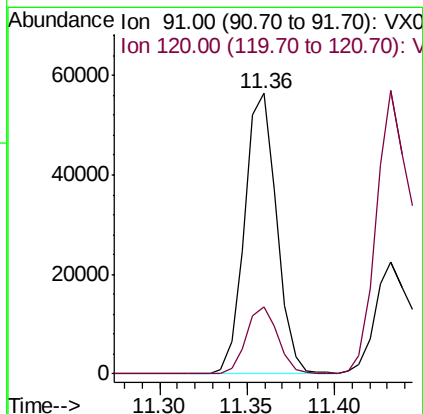
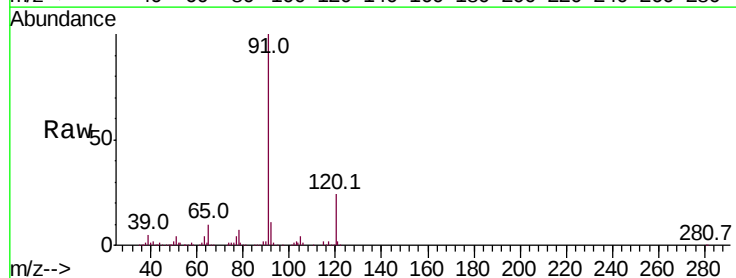
Acq: 22 Jul 2019 18:57

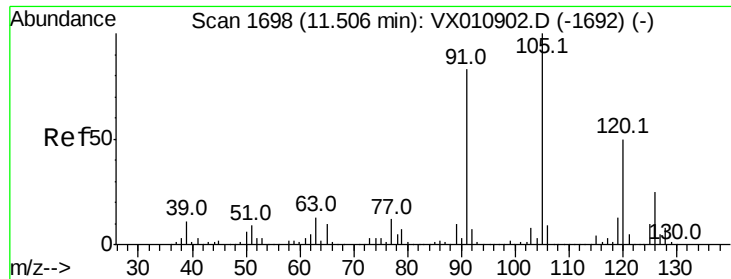
Tgt Ion: 91 Resp: 72001

Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.8





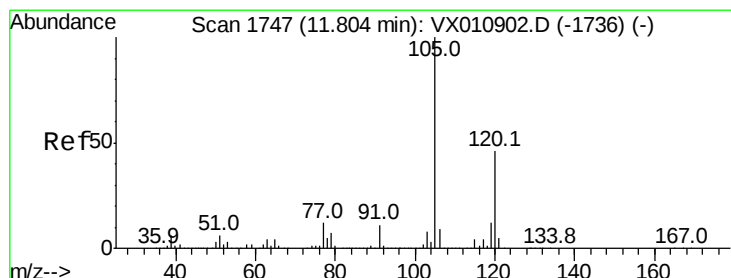
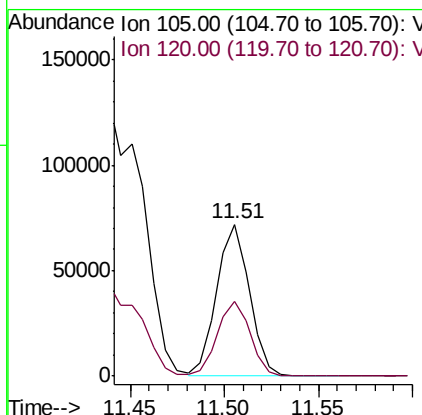
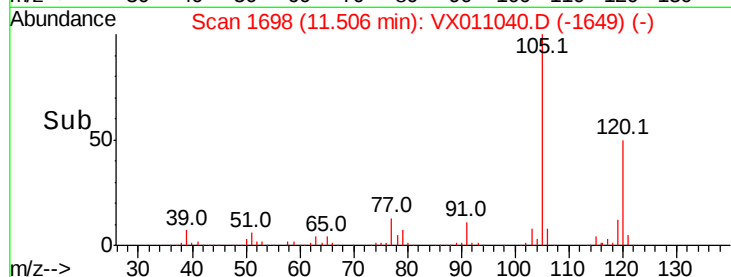
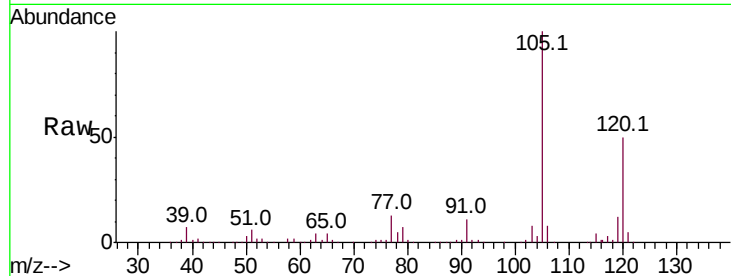
#80
 1,3,5-Trimethylbenzene
 Concen: 9.448 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011040.D
 Acq: 22 Jul 2019 18:57

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0623DL

Tot Ion:105 Resp: 86981
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.8

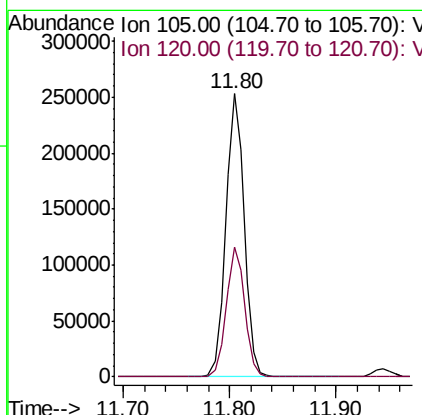
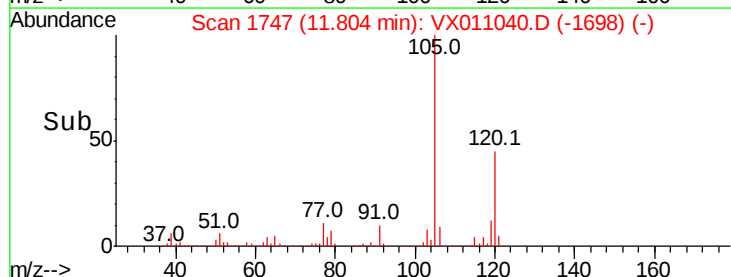
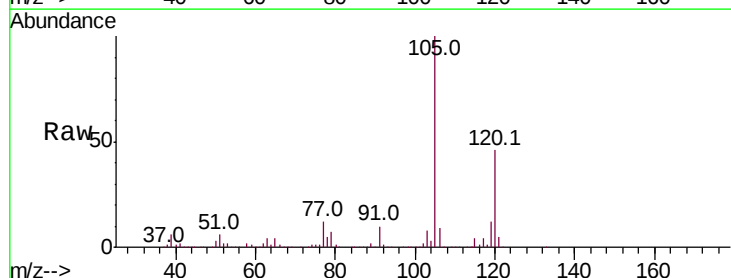
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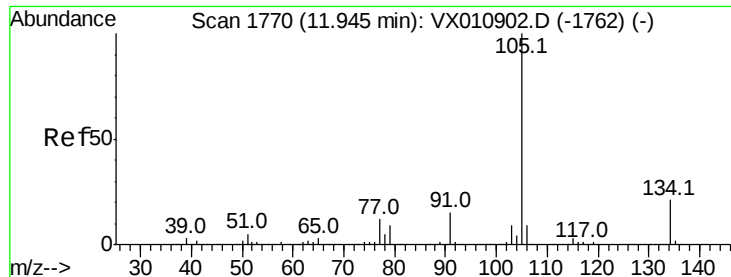
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#84
 1,2,4-Trimethylbenzene
 Concen: 32.774 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011040.D
 Acq: 22 Jul 2019 18:57

Tgt Ion:105 Resp: 304123
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.5





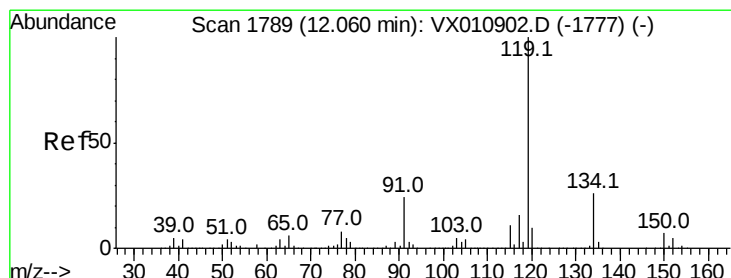
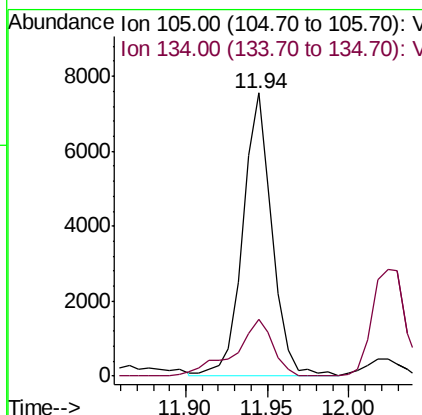
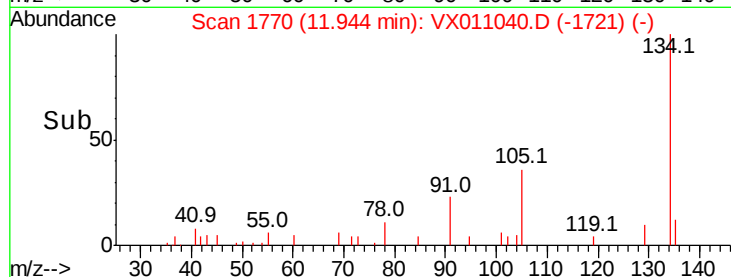
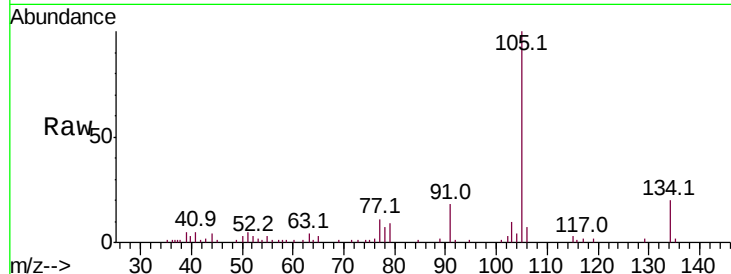
#85
 sec-Butylbenzene
 Concen: 0.891 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011040.D
 Acq: 22 Jul 2019 18:57

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0623DL

Tot Ion:105 Resp: 9441
 Ion Ratio Lower Upper
 105 100
 134 26.4 10.4 31.4

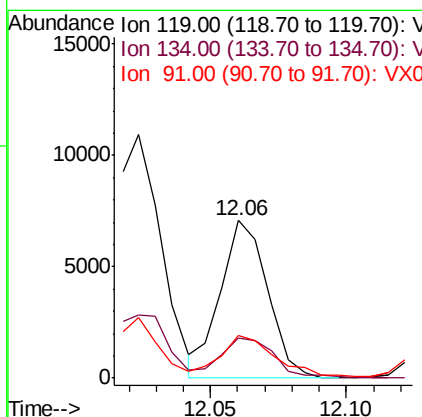
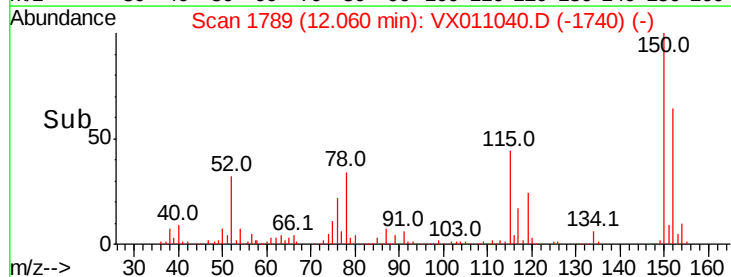
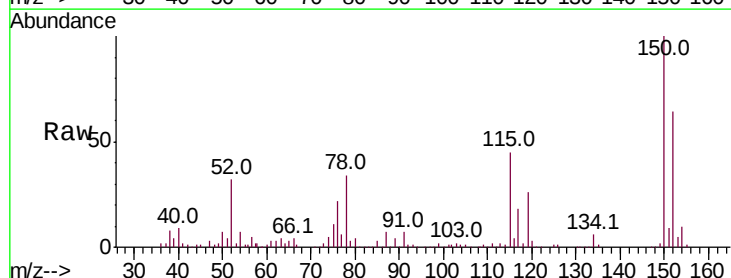
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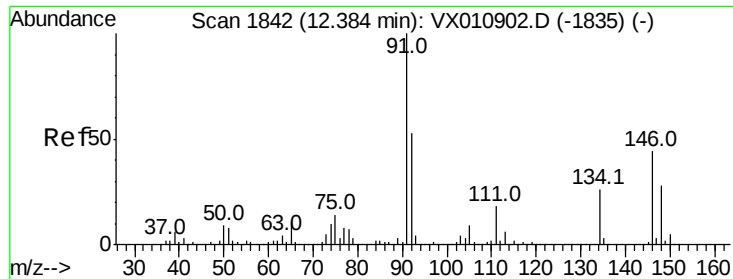
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#86
 p-Isopropyltoluene
 Concen: 0.868 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011040.D
 Acq: 22 Jul 2019 18:57

Tgt Ion:119 Resp: 8508
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.4 40.1
 91 29.8 11.8 35.4





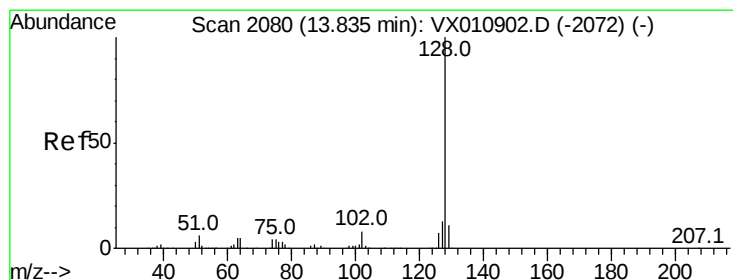
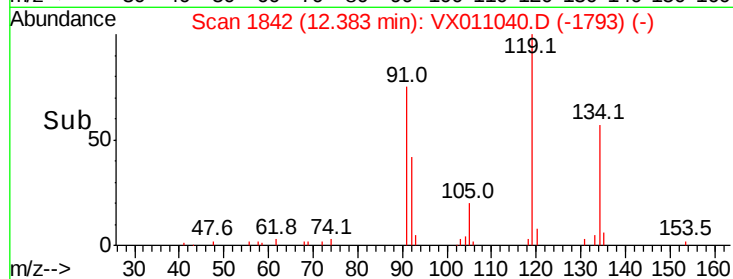
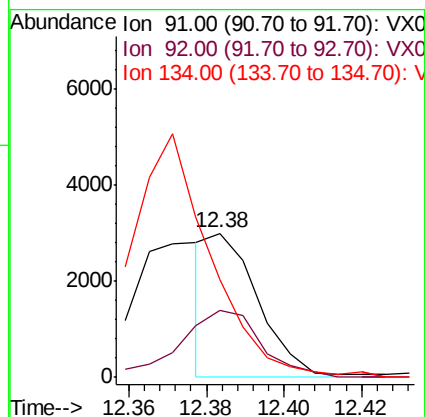
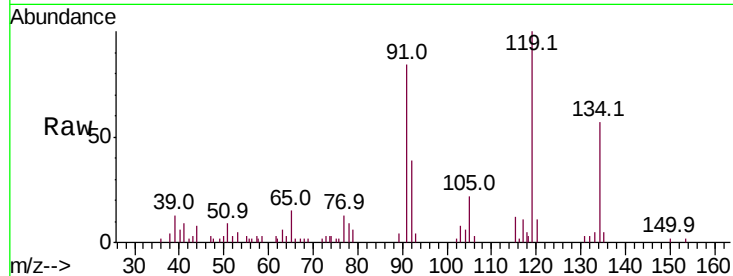
#89
n-Butylbenzene
Concen: 0.316 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011040.D
Acq: 22 Jul 2019 18:57

Instrument :
MSVOA_X
ClientSampled :
FL-0623DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	79.2	26.2	78.5#
134	271.7	13.8	41.3#

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#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011040.D
Acq: 22 Jul 2019 18:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.3	8.9	13.3

