

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
 Data File : VX010775.D
 Acq On : 10 Jul 2019 14:26
 Operator : JC/SP
 Sample : K3664-04DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588DL

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:01 AM

Quant Time: Jul 11 02:01:47 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	212081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334261	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109724	55.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.36%	
35) Dibromofluoromethane	5.50	113	103151	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
50) Toluene-d8	8.71	98	396085	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	136513	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	1072	1.076	ug/l #	68
31) Cyclohexane	5.58	56	3786	1.318	ug/l #	87
39) Methylcyclohexane	7.47	83	5378	1.540	ug/l #	87
67) Ethyl Benzene	10.25	91	88402	8.431	ug/l	98
68) m/p-Xylenes	10.36	106	82964	20.421	ug/l	96
69) o-Xylene	10.69	106	13517	3.383	ug/l	100
73) Isopropylbenzene	11.02	105	8237	0.836	ug/l	97
78) n-propylbenzene	11.36	91	12289	1.135	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	21001	2.587	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	80601	9.882	ug/l	100
85) sec-Butylbenzene	11.94	105	3246	0.339	ug/l	80
86) p-Isopropyltoluene	12.06	119	2890m	0.327	ug/l	
89) n-Butylbenzene	12.38	91	3295	0.438	ug/l #	20
95) Naphthalene	13.83	128	45438	4.469	ug/l	98

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

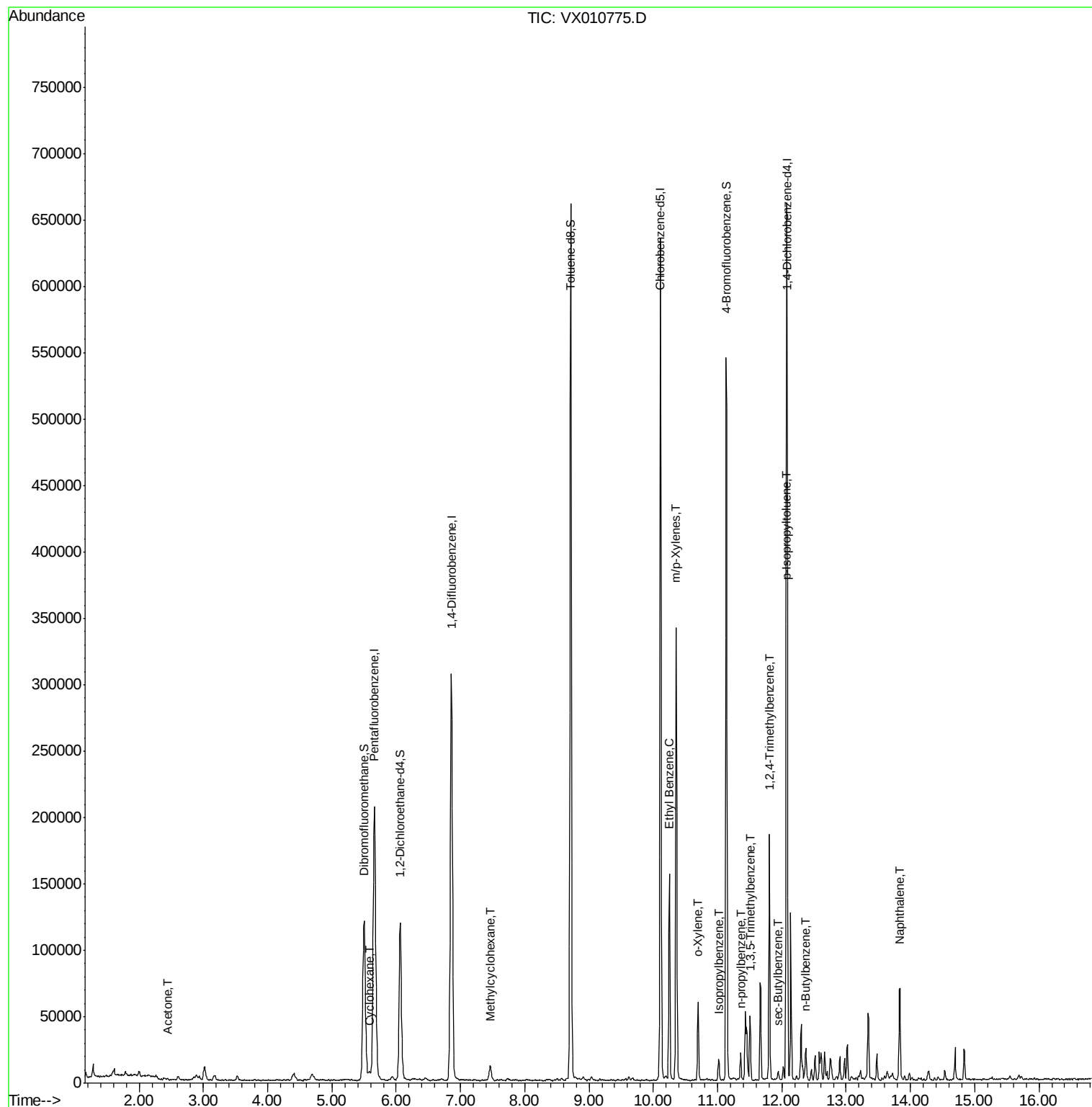
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
Data File : VX010775.D
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Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

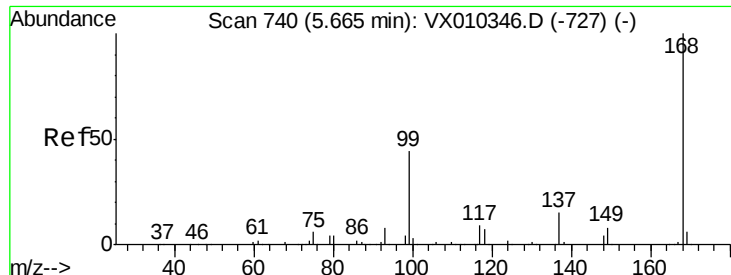
Instrument :
MSVOA_X
ClientSampleId :
FL-0588DL

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Quant Time: Jul 11 02:01:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010775.D

Acq: 10 Jul 2019 14:26

Instrument :

MSVOA_X

ClientSampled :

FL-0588DL

Tgt Ion: 168 Resp: 212081

Ion Ratio Lower Upper

168 100

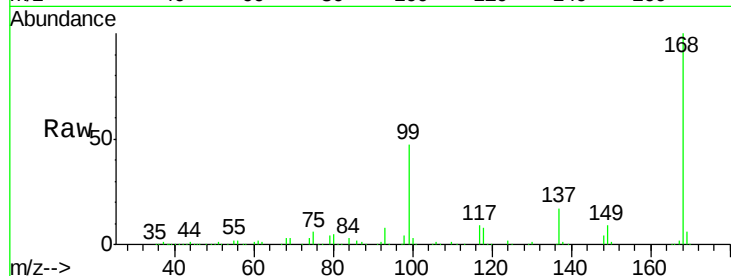
99 47.3 35.5 53.3

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

80000

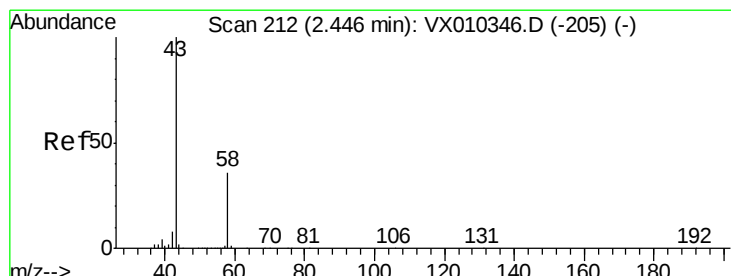
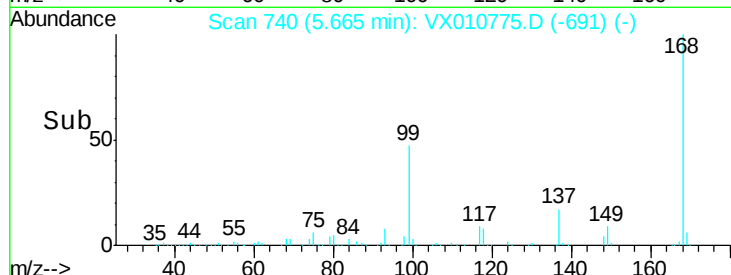
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.076 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010775.D

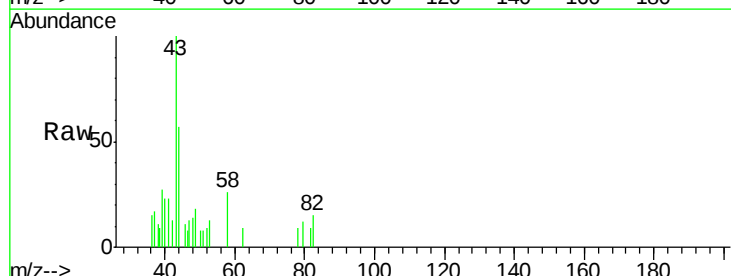
Acq: 10 Jul 2019 14:26

Tgt Ion: 43 Resp: 1072

Ion Ratio Lower Upper

43 100

58 17.3 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

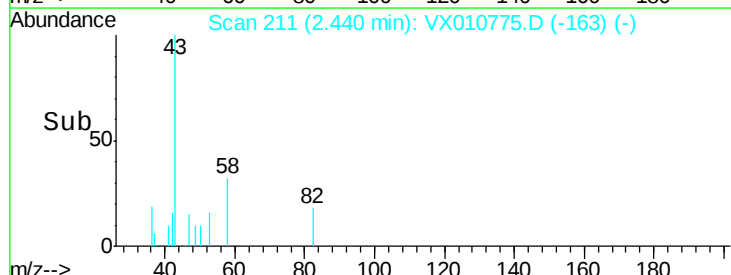
600

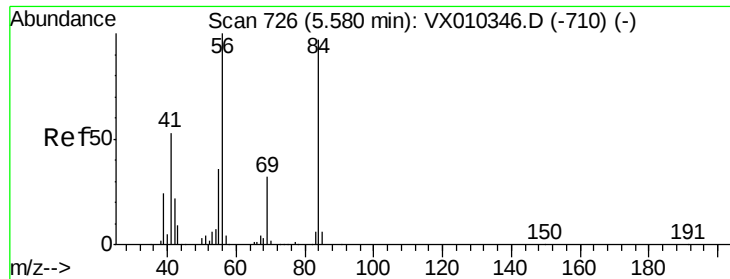
400

200

0

Time--> 2.40 2.45 2.50





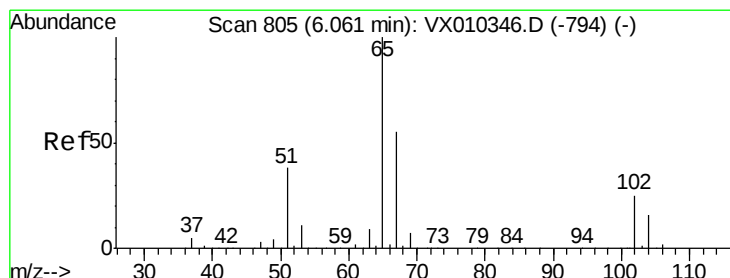
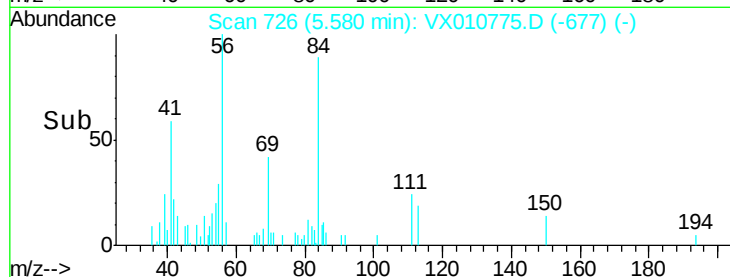
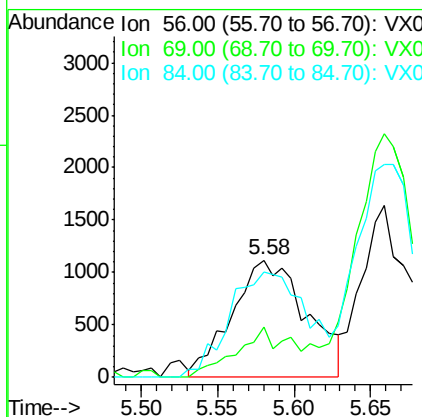
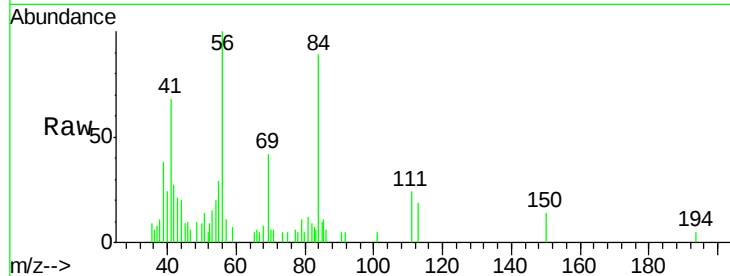
#31
Cyclohexane
Concen: 1.318 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

Tgt Ion: 56 Resp: 3786
Ion Ratio Lower Upper
56 100
69 45.0 25.9 38.9#
84 87.9 78.0 117.0

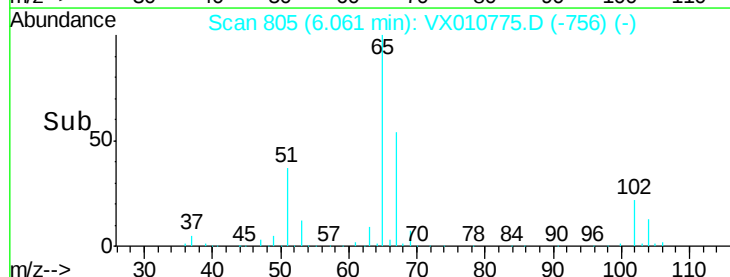
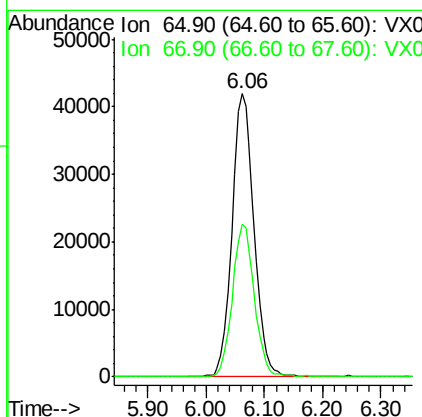
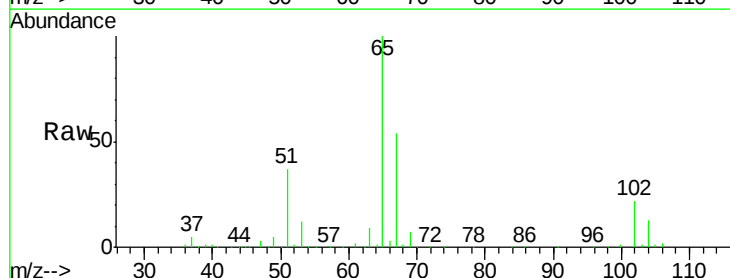
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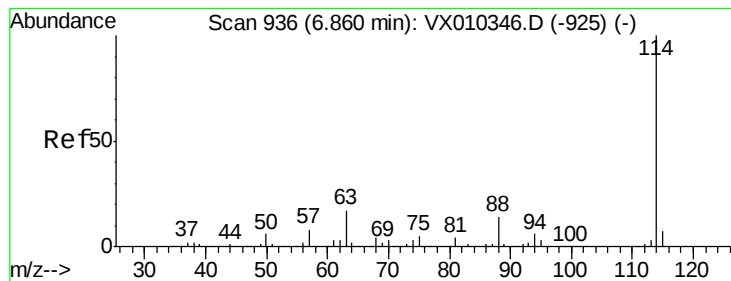
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#33
1,2-Dichloroethane-d4
Concen: 55.180 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Tgt Ion: 65 Resp: 109724
Ion Ratio Lower Upper
65 100
67 53.8 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: VX010775.D

Acq: 10 Jul 2019 14:26

Instrument :

MSVOA_X

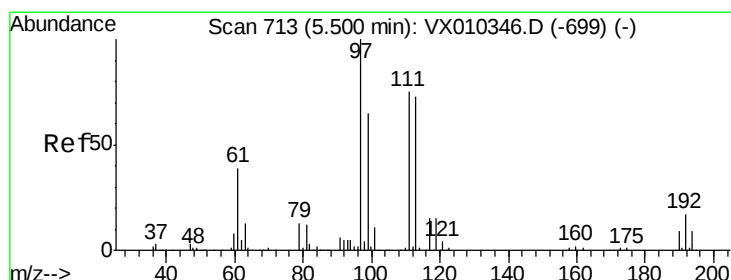
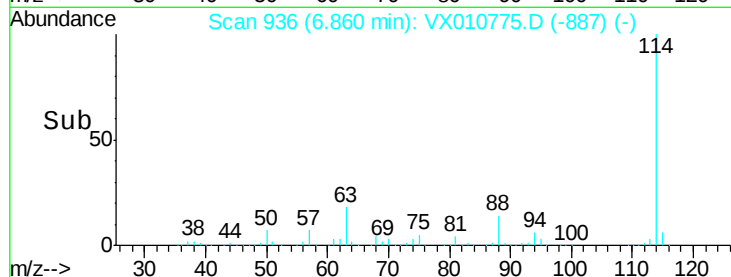
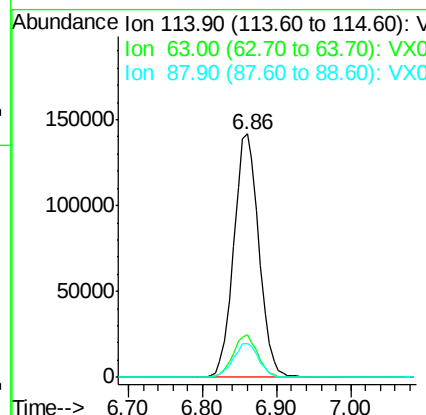
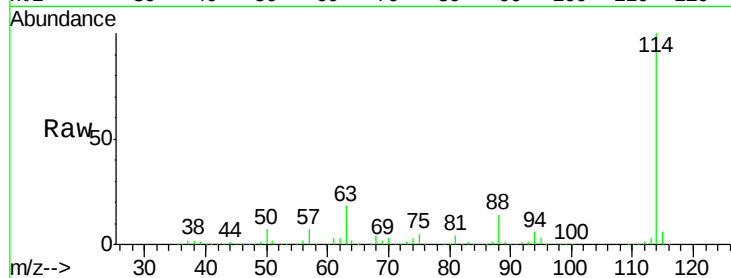
ClientSampleId :

FL-0588DL

Tgt Ion:	114	Resp:	334261
Ion Ratio	Lower	Upper	
114	100		
63	17.6	0.0	33.8
88	14.0	0.0	27.6

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#35

Dibromofluoromethane

Concen: 50.437 ug/l

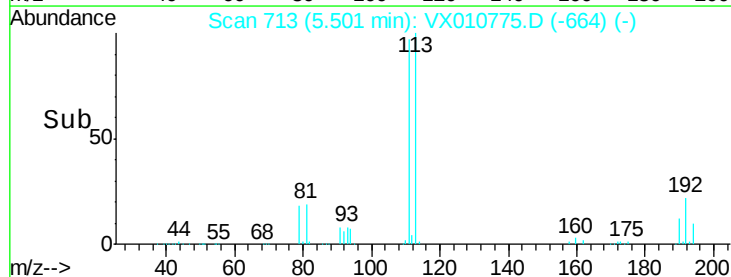
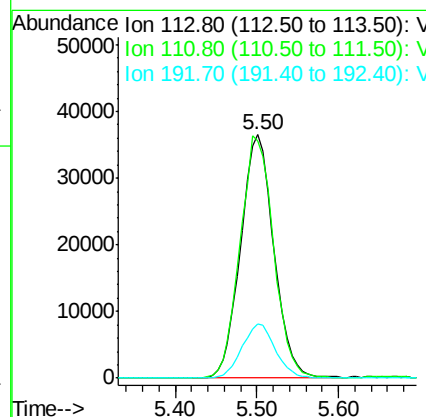
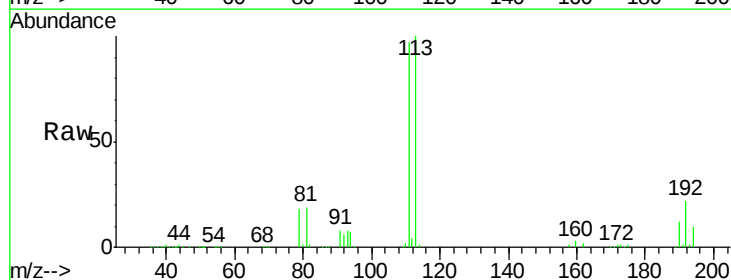
RT: 5.50 min Scan# 713

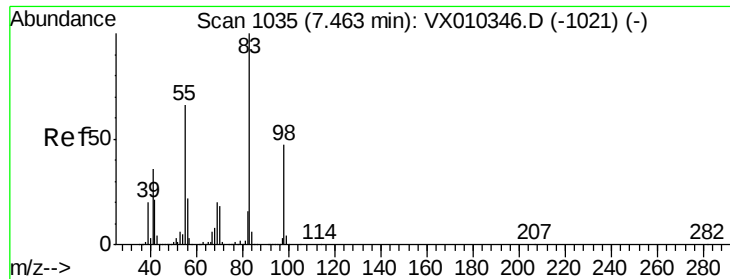
Delta R.T. 0.00 min

Lab File: VX010775.D

Acq: 10 Jul 2019 14:26

Tgt Ion:	113	Resp:	103151
Ion Ratio	Lower	Upper	
113	100		
111	100.6	81.2	121.8
192	22.3	18.6	27.8





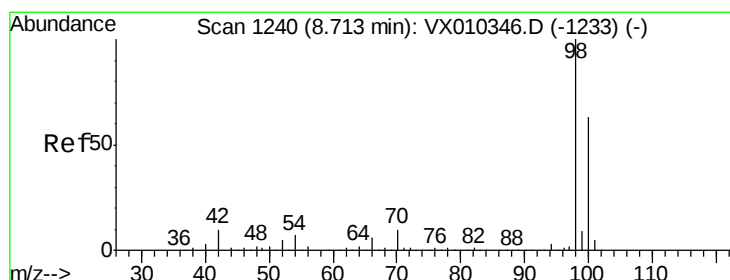
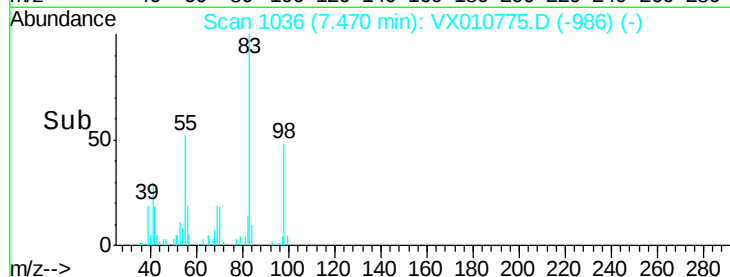
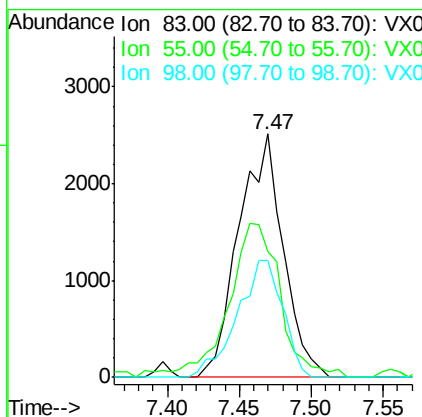
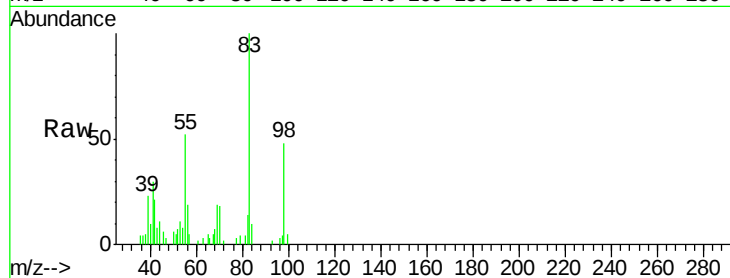
#39
Methylcyclohexane
Concen: 1.540 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0588DL

Tgt Ion	Ratio	Lower	Upper
83	100		
55	48.5	53.0	79.6#
98	47.9	37.8	56.8

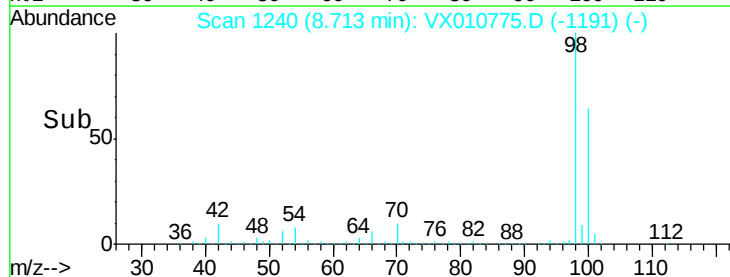
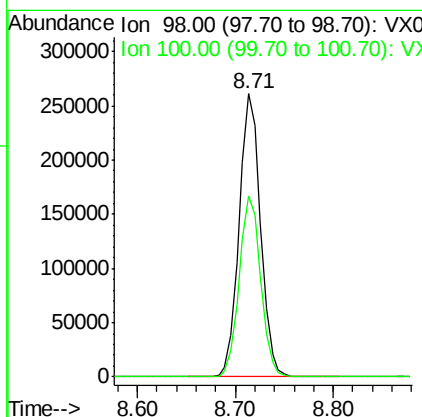
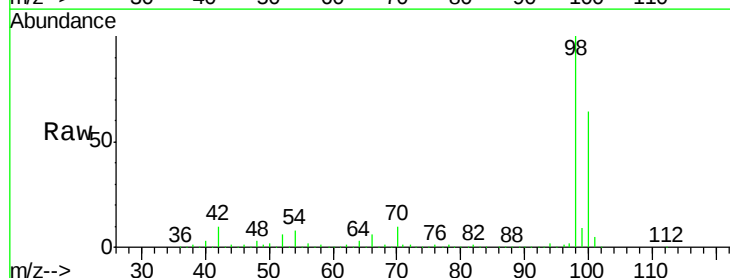
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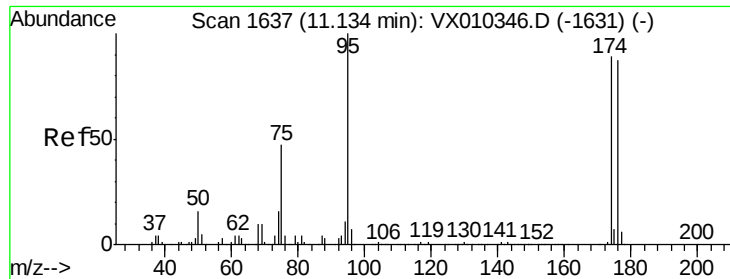
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#50
Toluene-d8
Concen: 50.623 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





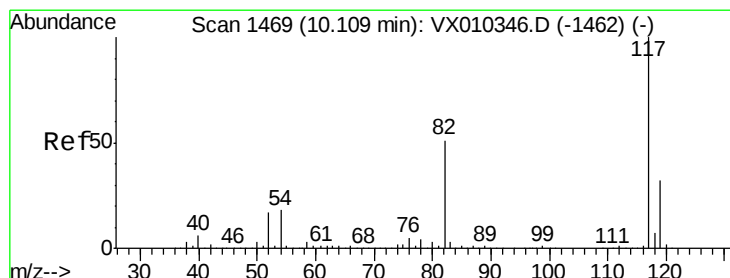
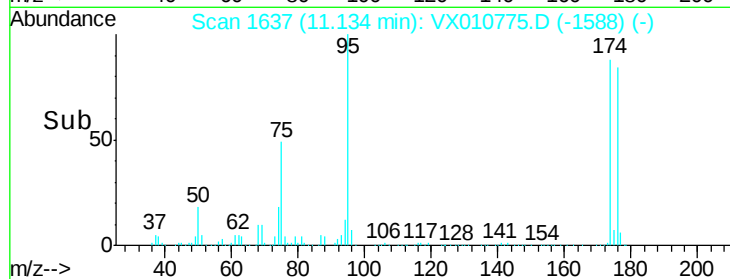
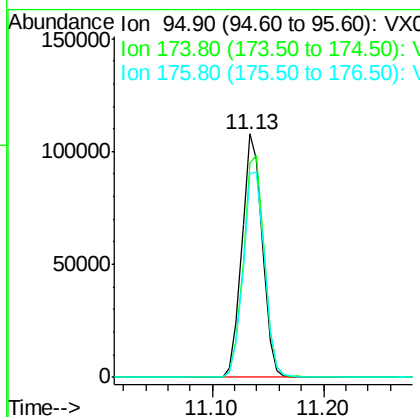
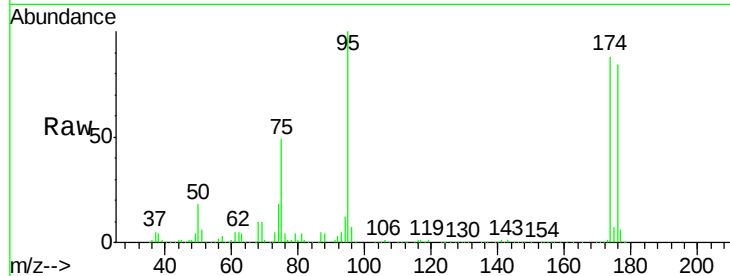
#62
4-Bromofluorobenzene
Concen: 48.327 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	136513		
174	93.2	0.0	187.6	
176	88.8	0.0	184.0	

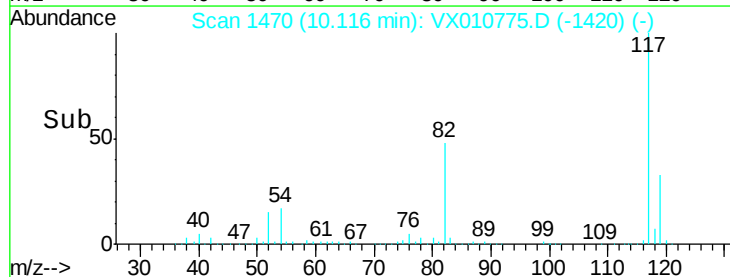
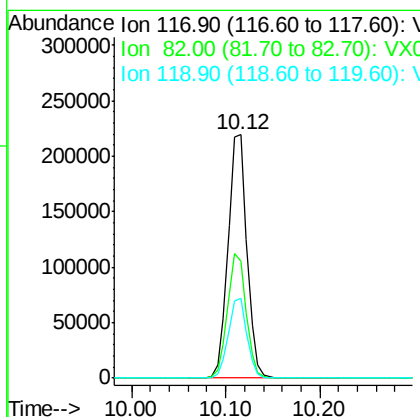
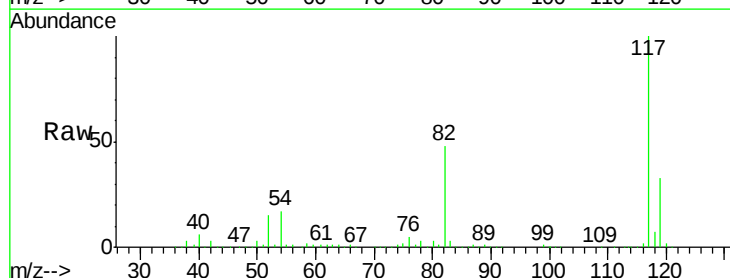
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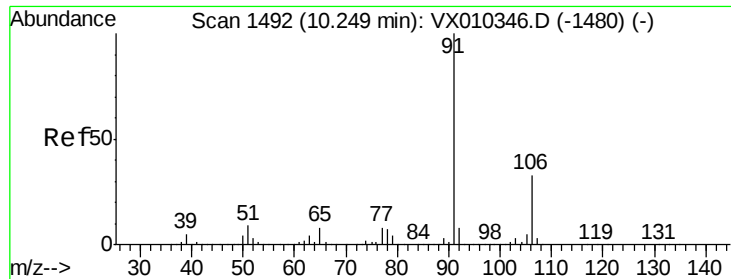
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7/11/2019 10:54:01 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	305922		
82	47.9	41.2	61.8	
119	32.8	25.5	38.3	





#67

Ethyl Benzene

Concen: 8.431 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010775.D

Acq: 10 Jul 2019 14:26

Instrument :

MSVOA_X

ClientSampled :

FL-0588DL

Tgt Ion: 91 Resp: 88402

Ion Ratio Lower Upper

91 100

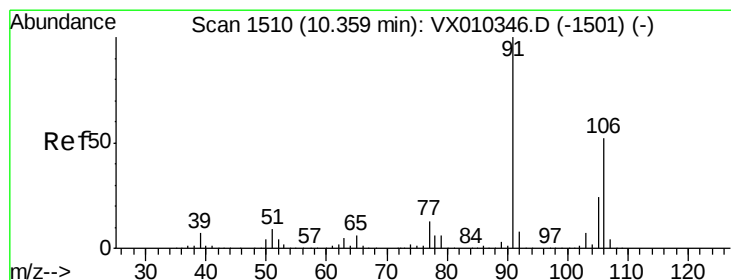
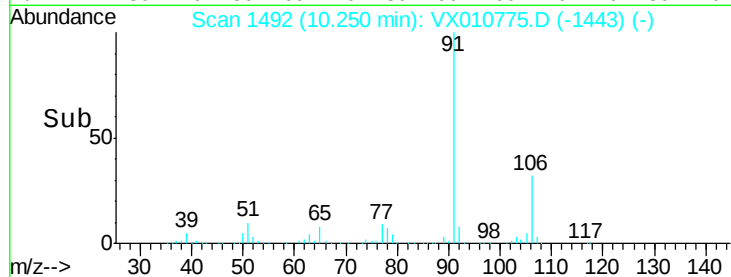
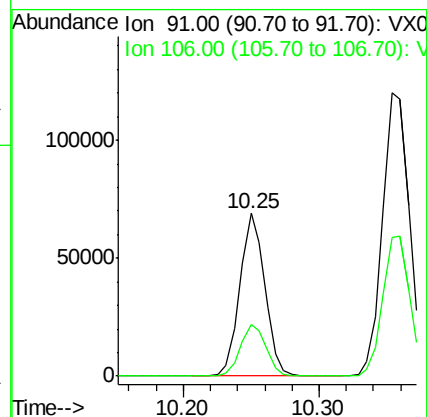
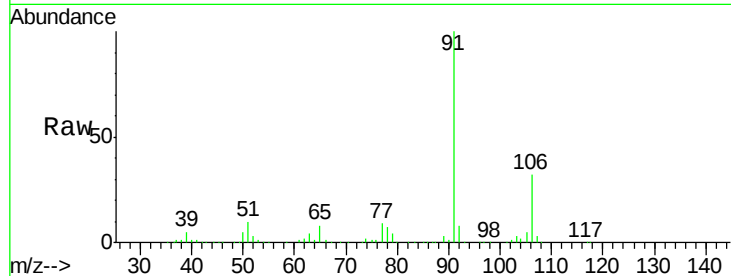
106 31.9 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 20.421 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010775.D

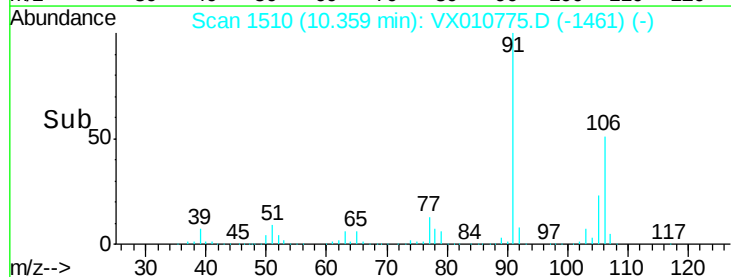
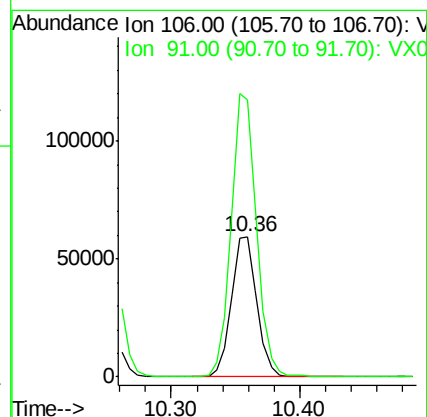
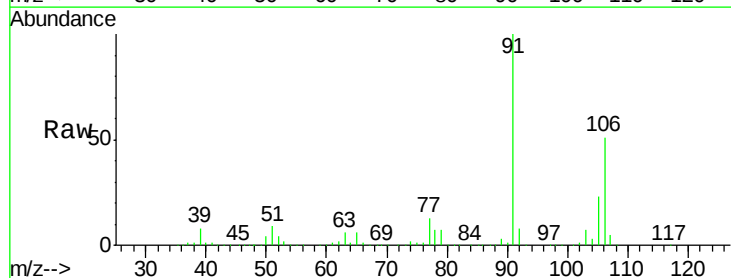
Acq: 10 Jul 2019 14:26

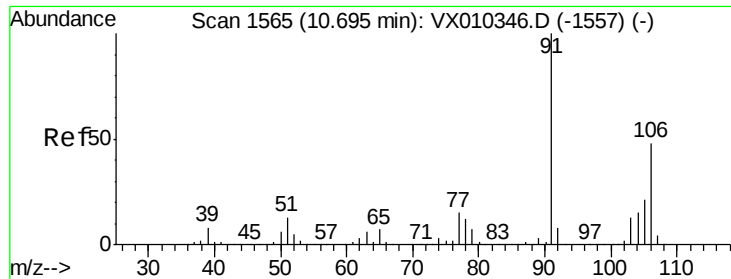
Tgt Ion: 106 Resp: 82964

Ion Ratio Lower Upper

106 100

91 199.8 155.3 232.9





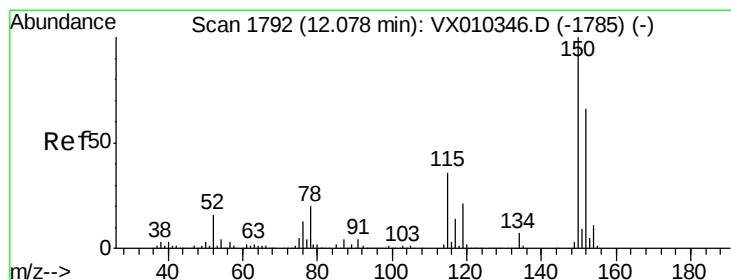
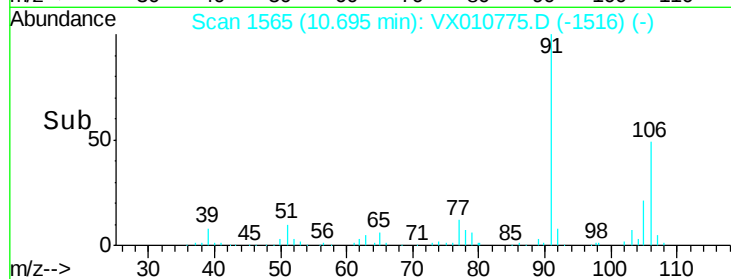
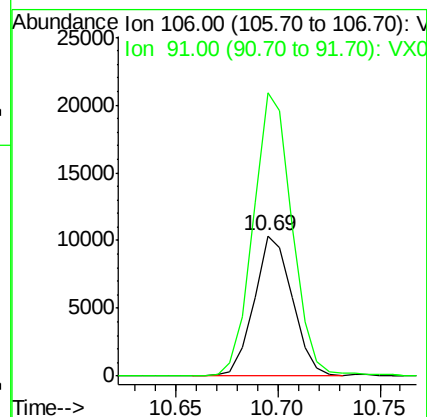
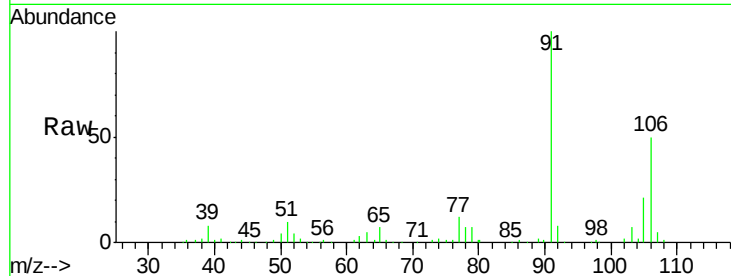
#69
o-Xylene
Concen: 3.383 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

Tgt Ion:106 Resp: 13517
Ion Ratio Lower Upper
106 100
91 206.0 102.7 308.1

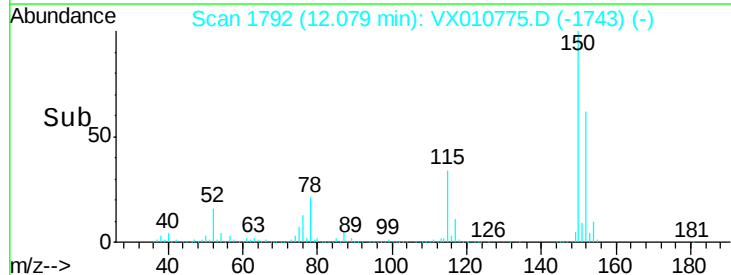
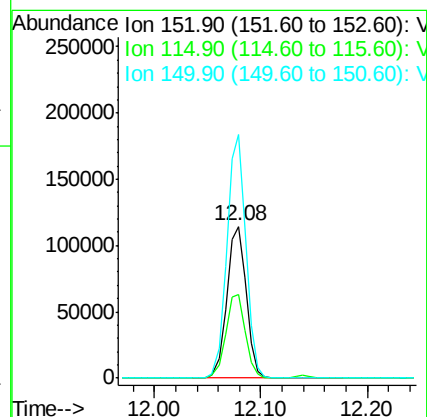
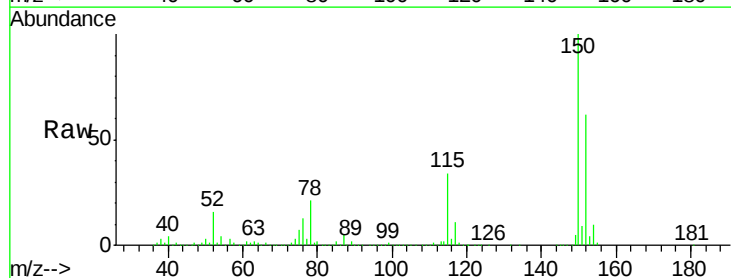
Manual Integrations
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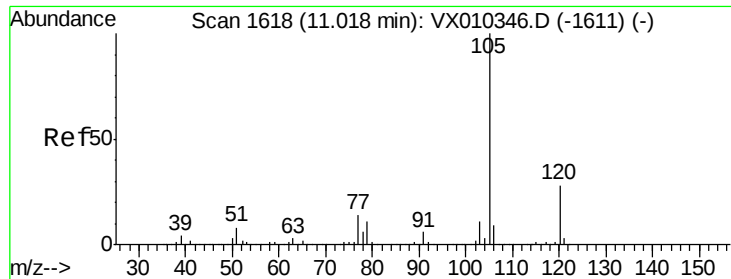
MMDadoda
7/11/2019 10:54:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Tgt Ion:152 Resp: 145272
Ion Ratio Lower Upper
152 100
115 55.2 38.6 115.7
150 157.6 0.0 347.4





#73

Isopropylbenzene

Concen: 0.836 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010775.D

Acq: 10 Jul 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

Tgt Ion: 105 Resp: 8237

Ion Ratio Lower Upper

105 100

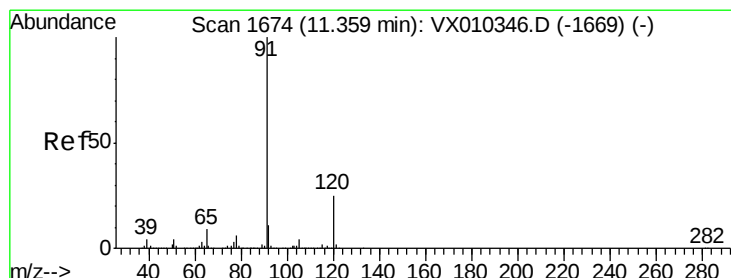
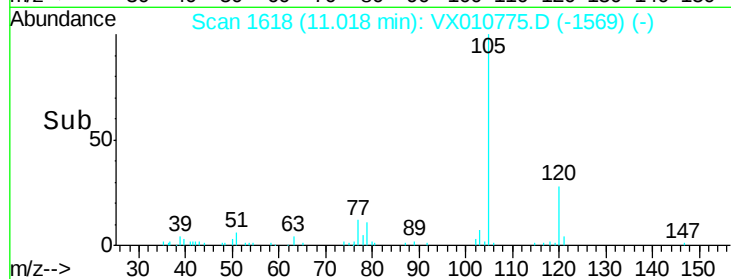
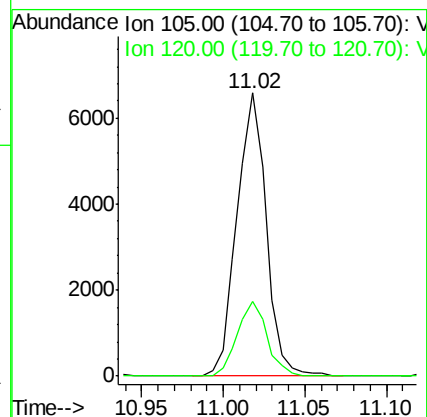
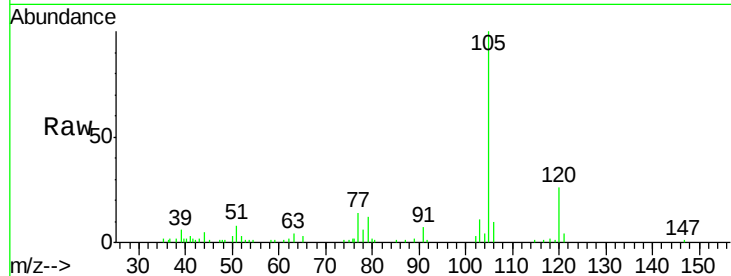
120 26.8 14.1 42.4

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#78

n-propylbenzene

Concen: 1.135 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010775.D

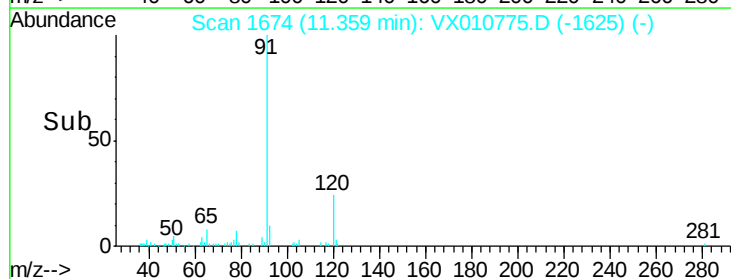
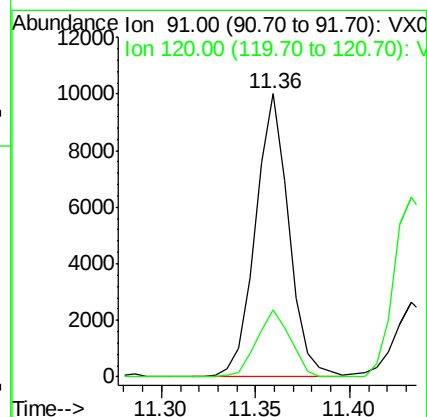
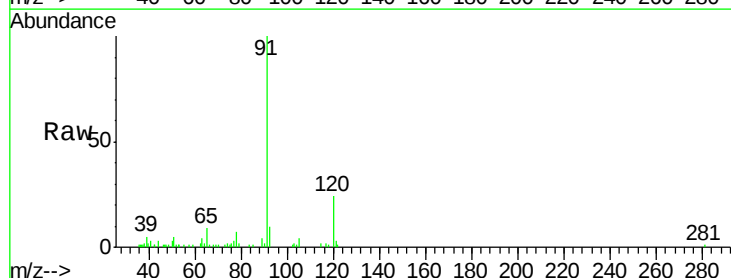
Acq: 10 Jul 2019 14:26

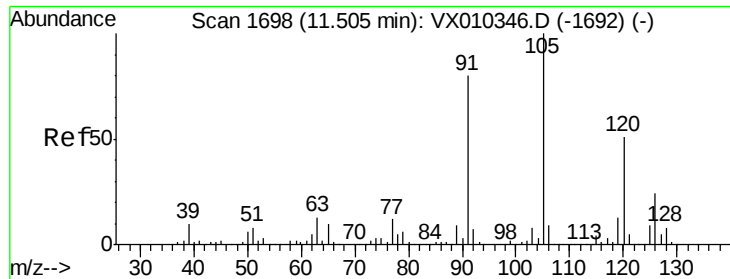
Tgt Ion: 91 Resp: 12289

Ion Ratio Lower Upper

91 100

120 23.6 12.4 37.4





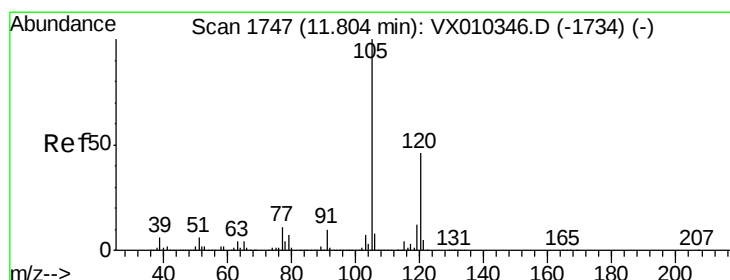
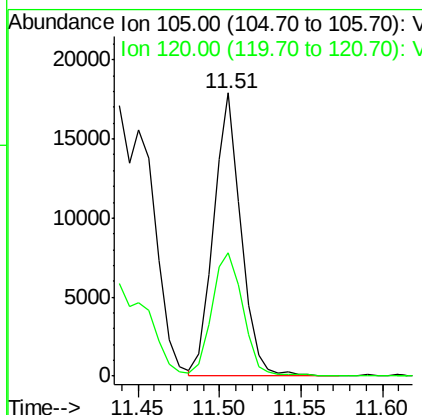
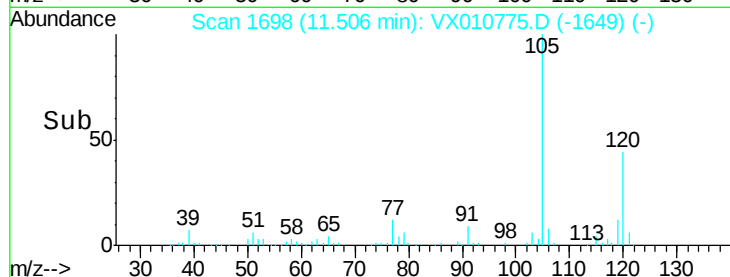
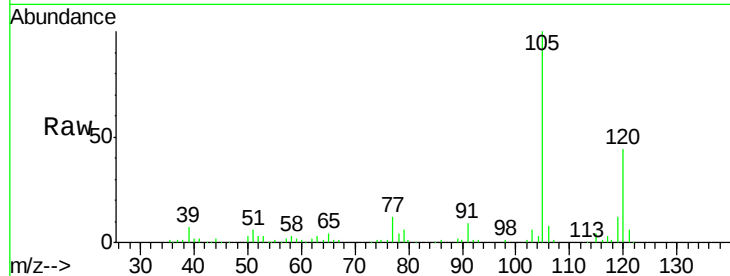
#80
 1,3,5-Trimethylbenzene
 Concen: 2.587 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010775.D
 Acq: 10 Jul 2019 14:26

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0588DL

Tgt Ion:105 Resp: 21001
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.2 75.6

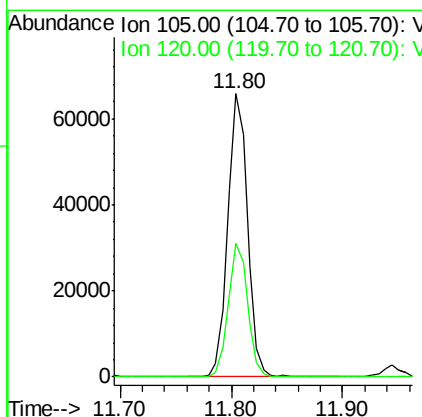
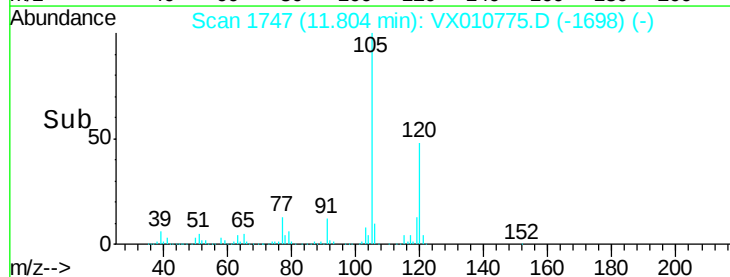
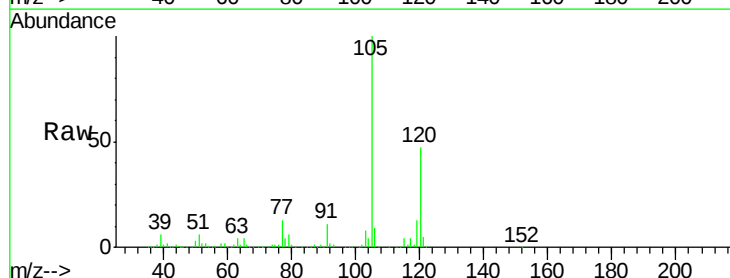
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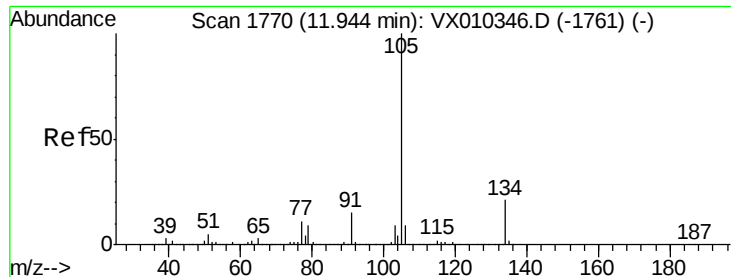
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.882 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010775.D
 Acq: 10 Jul 2019 14:26

Tgt Ion:105 Resp: 80601
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.339 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010775.D

Acq: 10 Jul 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0588DL

Tgt Ion:105 Resp: 3246

Ion Ratio Lower Upper

105 100

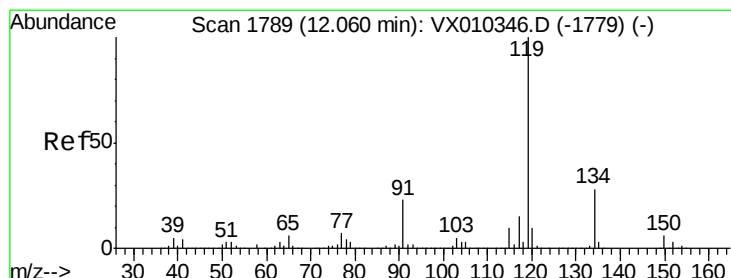
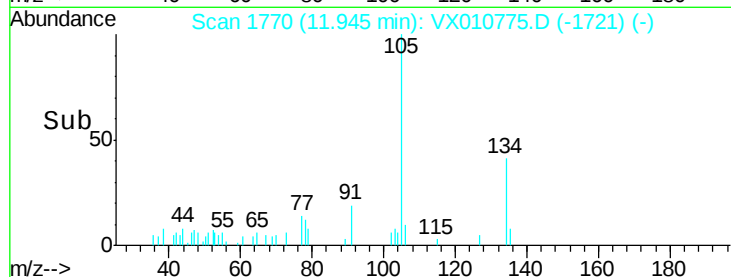
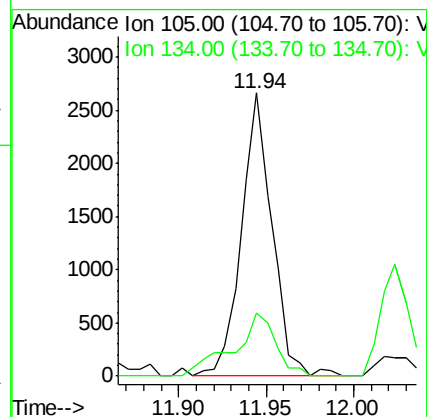
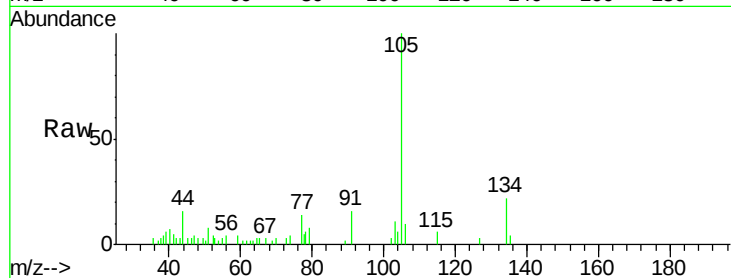
134 30.7 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 0.327 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010775.D

Acq: 10 Jul 2019 14:26

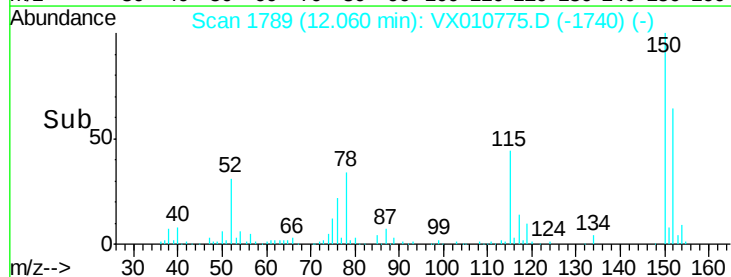
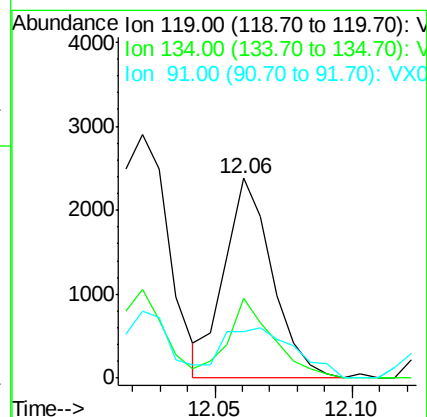
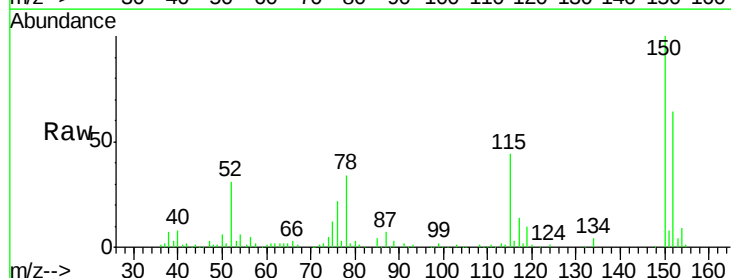
Tgt Ion:119 Resp: 2890

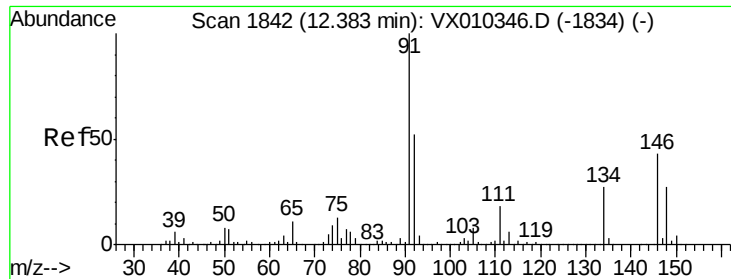
Ion Ratio Lower Upper

119 100

134 40.9 13.7 41.1

91 36.2 11.3 33.8#





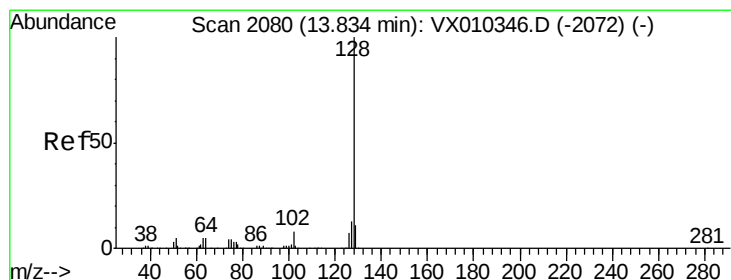
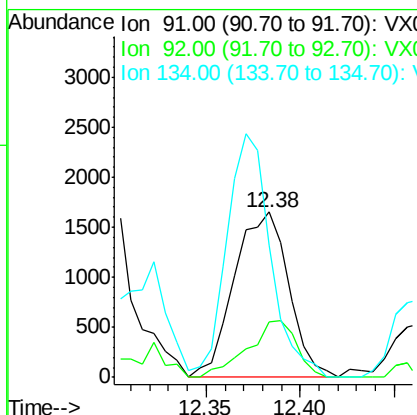
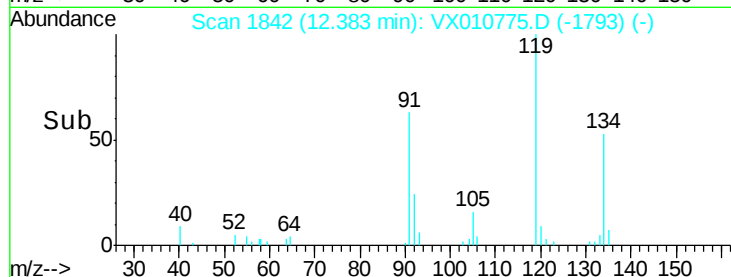
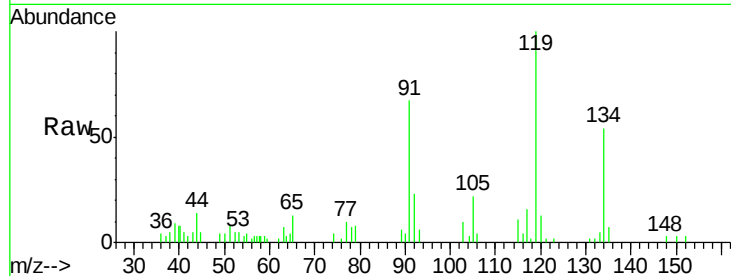
#89
n-Butylbenzene
Concen: 0.438 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

Tgt Ion: 91 Resp: 3295
Ion Ratio Lower Upper
91 100
92 30.7 26.2 78.5
134 119.2 14.1 42.4#

Manual Integrations
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#95
Naphthalene
Concen: 4.469 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010775.D
Acq: 10 Jul 2019 14:26

Tgt Ion: 128 Resp: 45438
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 11.5 8.9 13.3

