

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
 Data File : VX010700.D
 Acq On : 08 Jul 2019 16:59
 Operator : JC/SP
 Sample : K3664-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0582DL

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 11:11:16 AM

Quant Time: Jul 09 02:07:22 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	5.66	168	225500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161171	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	111225	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	
35) Dibromofluoromethane	5.49	113	103720	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
50) Toluene-d8	8.71	98	415304	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.13	95	147859	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	1274	1.202	ug/l	92
31) Cyclohexane	5.57	56	59184	19.379	ug/l	96
39) Methylcyclohexane	7.46	83	88631	24.682	ug/l	98
40) Benzene	6.13	78	57237	6.725	ug/l	97
67) Ethyl Benzene	10.25	91	267240	23.906	ug/l	98
68) m/p-Xylenes	10.35	106	40505	9.351	ug/l	99
73) Isopropylbenzene	11.02	105	81700	7.478	ug/l	100
78) n-propylbenzene	11.36	91	133749	11.139	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	25779	2.862	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	474633	52.452	ug/l	98
85) sec-Butylbenzene	11.94	105	17556	1.654	ug/l	83
86) p-Isopropyltoluene	12.06	119	6890	0.702	ug/l	87
89) n-Butylbenzene	12.38	91	6194m	0.742	ug/l	
95) Naphthalene	13.83	128	89232	7.911	ug/l	99

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

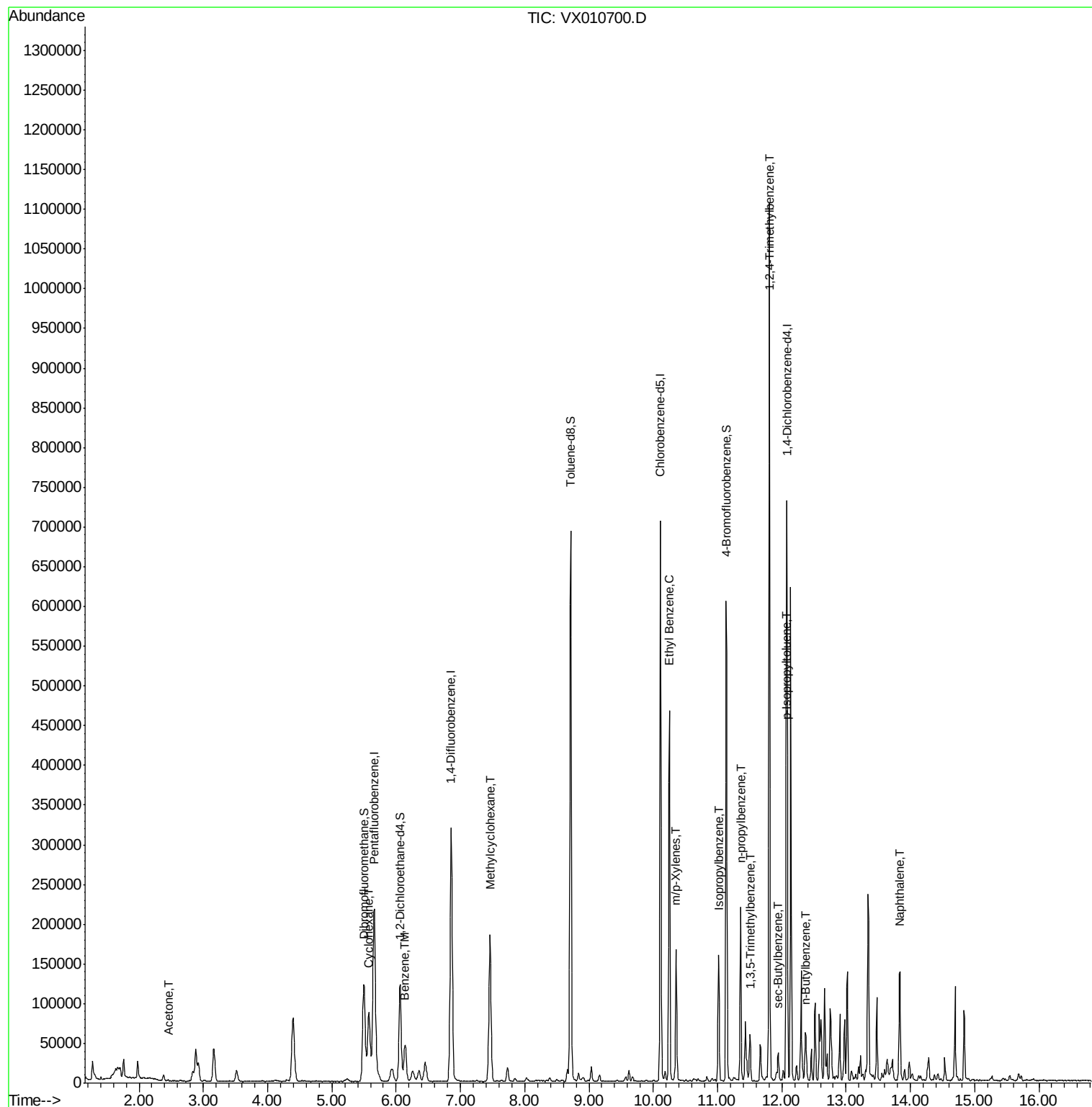
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010700.D
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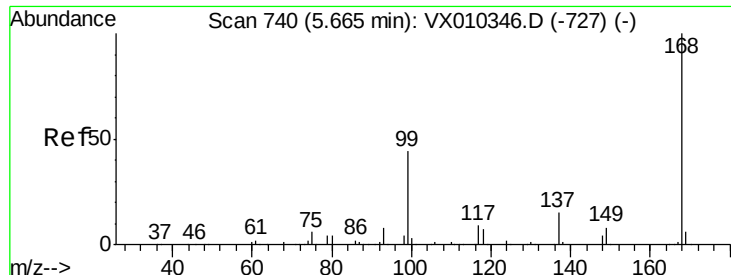
Instrument :
MSVOA_X
ClientSampleId :
FL-0582DL

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Quant Time: Jul 09 02:07:22 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

FL-0582DL

Tgt Ion:168 Resp: 225500

Ion Ratio Lower Upper

168 100

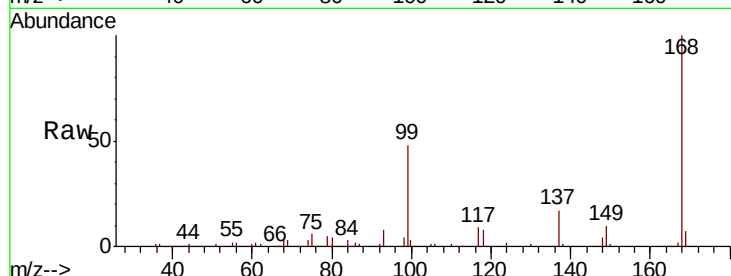
99 48.1 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

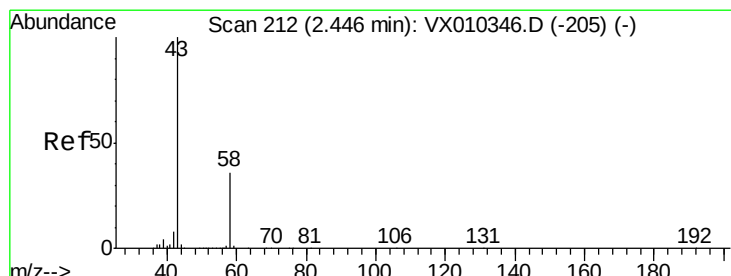
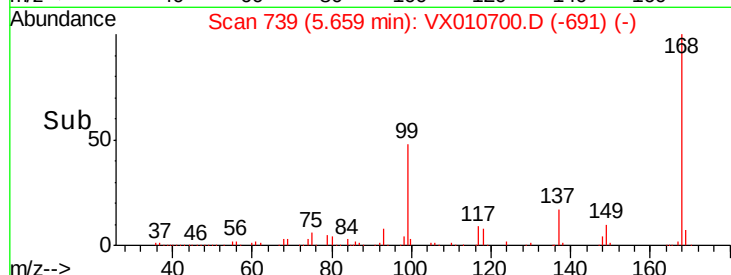
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.202 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010700.D

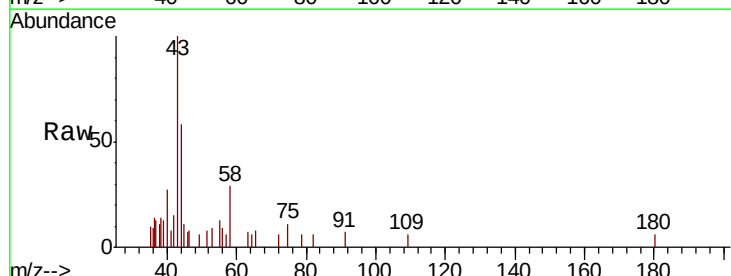
Acq: 08 Jul 2019 16:59

Tgt Ion: 43 Resp: 1274

Ion Ratio Lower Upper

43 100

58 31.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

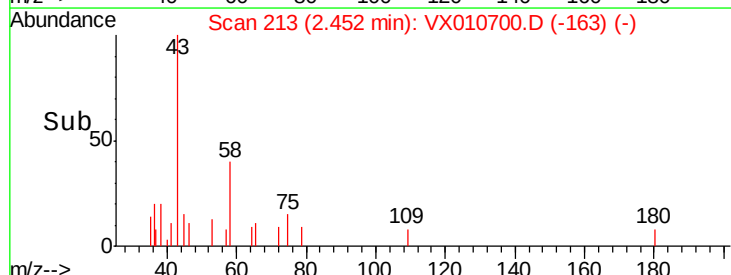
1500

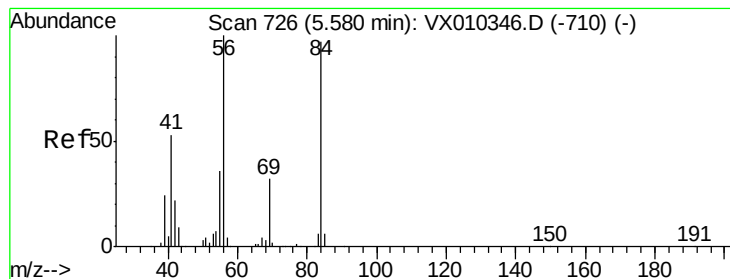
1000

500

0

Time-->





#31

Cyclohexane

Concen: 19.379 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

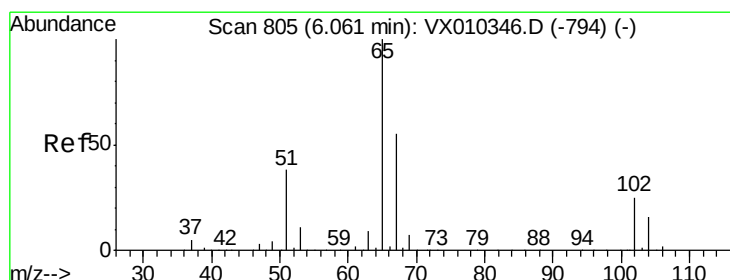
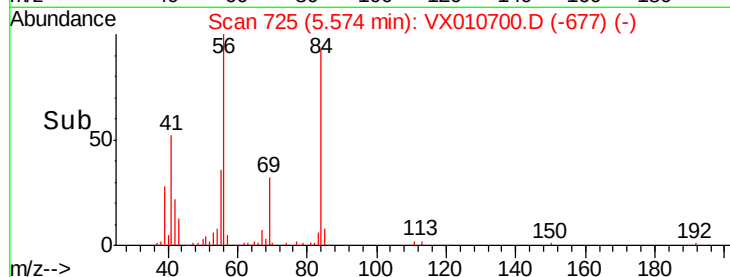
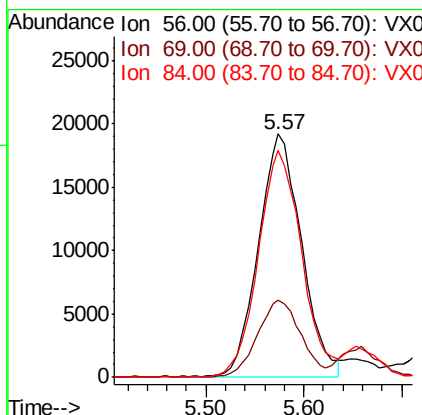
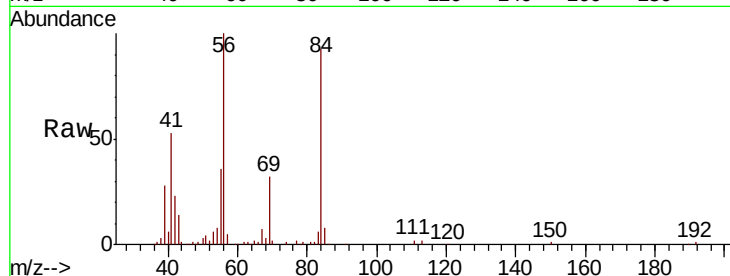
ClientSampled :

FL-0582DL

Tgt Ion:	56	Resp:	59184
Ion Ratio	Lower	Upper	
56	100		
69	31.6	25.9	38.9
84	93.3	78.0	117.0

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#33

1,2-Dichloroethane-d4

Concen: 52.606 ug/l

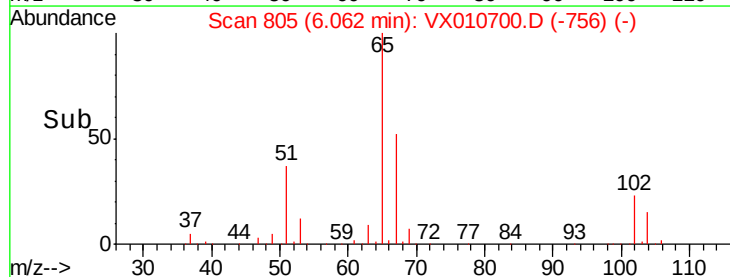
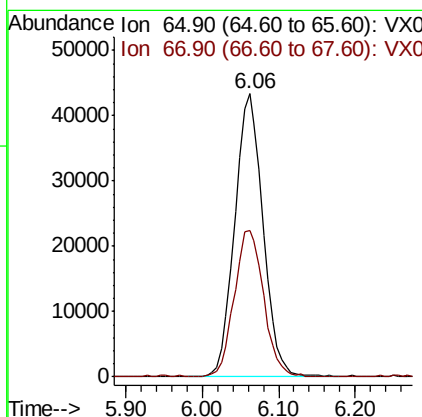
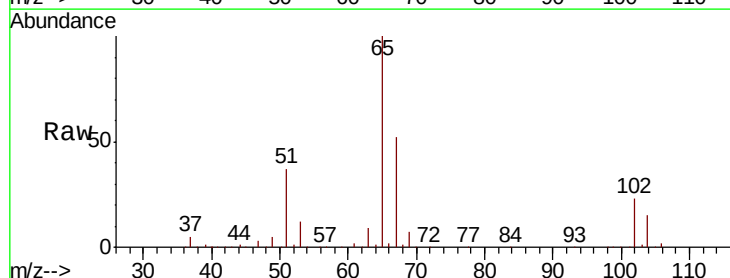
RT: 6.06 min Scan# 805

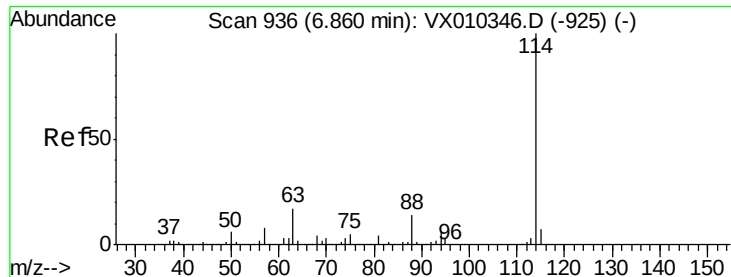
Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Tgt Ion:	65	Resp:	111225
Ion Ratio	Lower	Upper	
65	100		
67	53.7	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: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

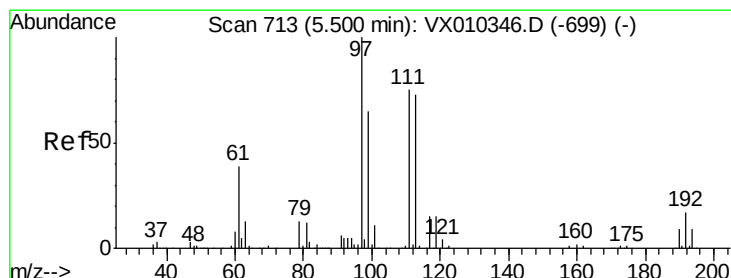
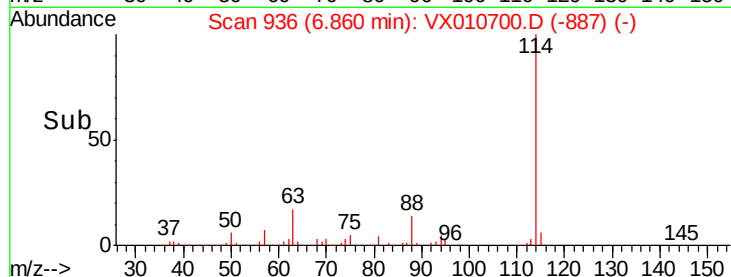
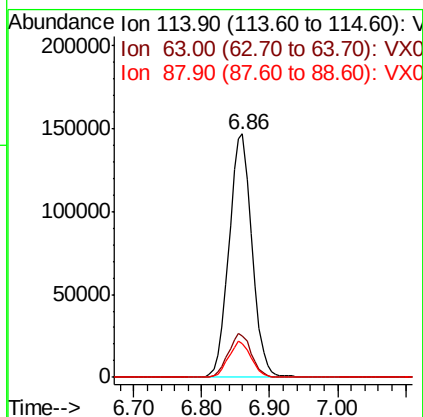
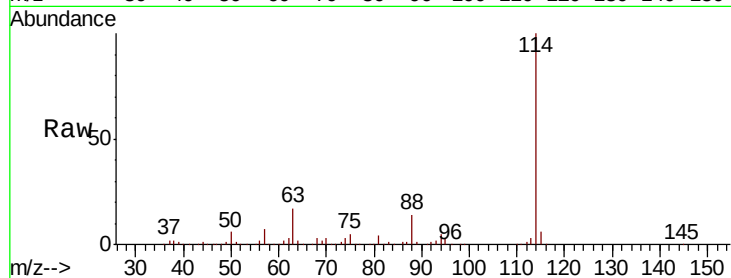
ClientSampleId :

FL-0582DL

Tgt Ion:	114	Resp:	343779
Ion Ratio	Lower	Upper	
114	100		
63	17.0	0.0	33.8
88	14.0	0.0	27.6

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#35

Dibromofluoromethane

Concen: 49.311 ug/l

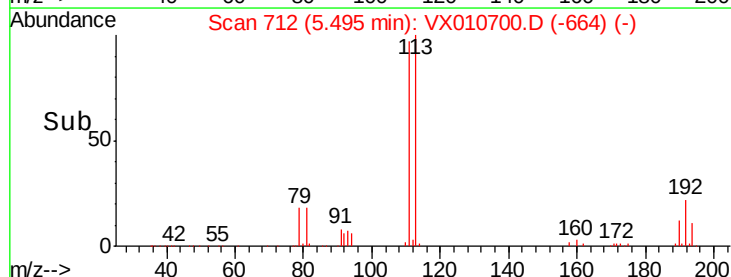
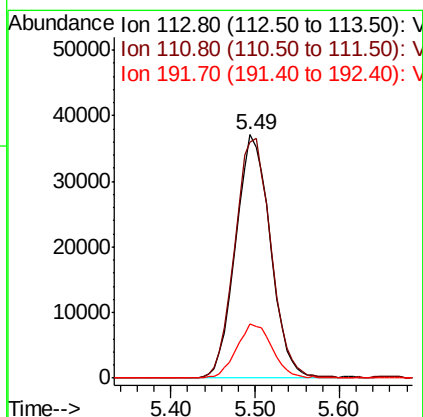
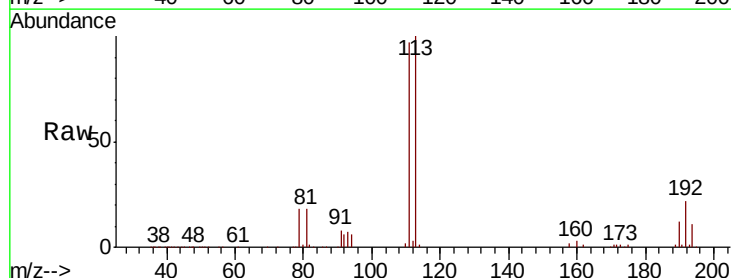
RT: 5.49 min Scan# 712

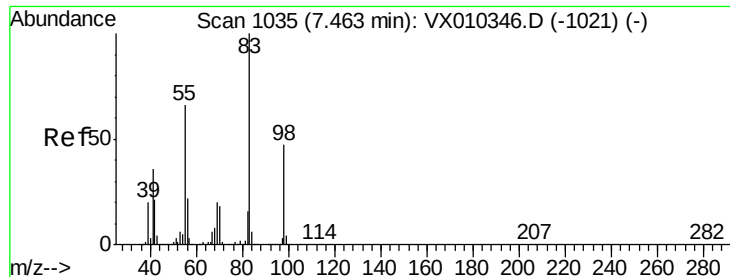
Delta R.T. -0.01 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Tgt Ion:	113	Resp:	103720
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.2	121.8
192	22.9	18.6	27.8





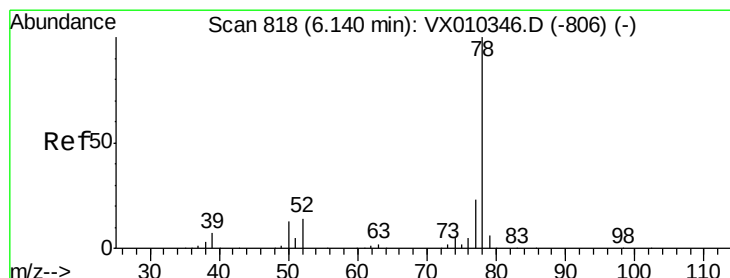
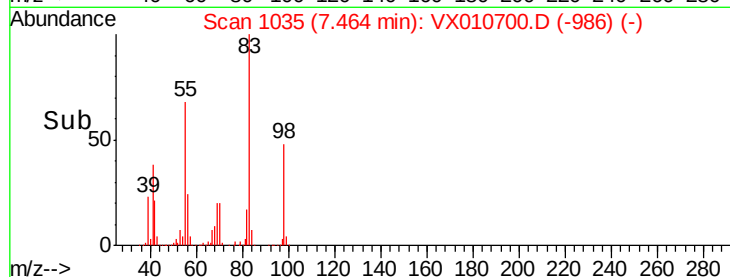
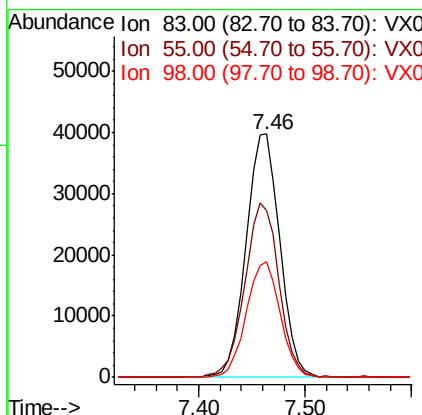
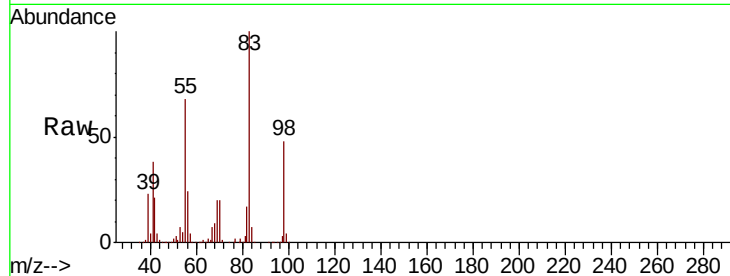
#39
Methylcyclohexane
Concen: 24.682 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010700.D
Acq: 08 Jul 2019 16:59

Instrument :
MSVOA_X
ClientSampled :
FL-0582DL

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.4	53.0	79.6
98	47.7	37.8	56.8

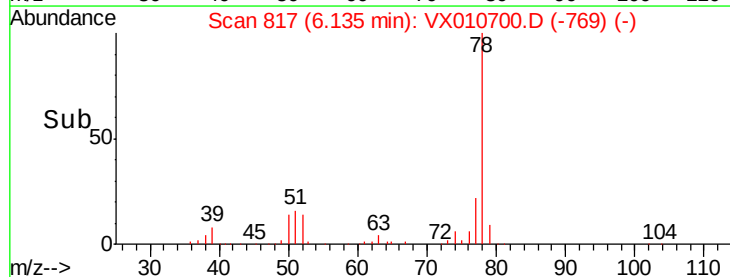
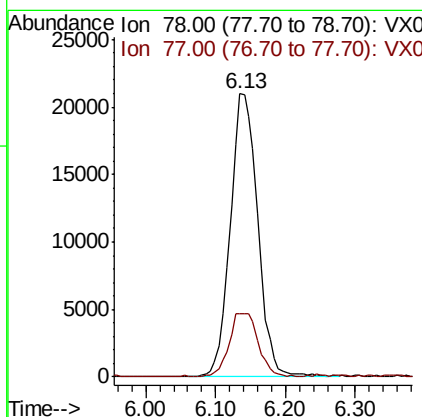
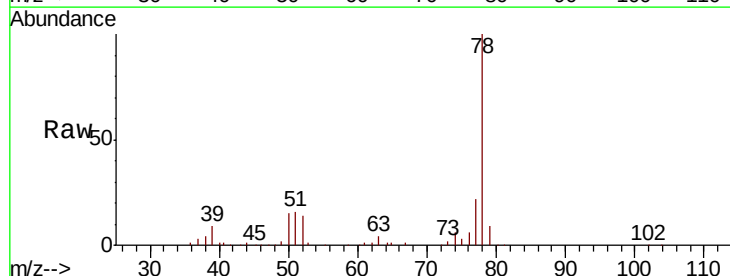
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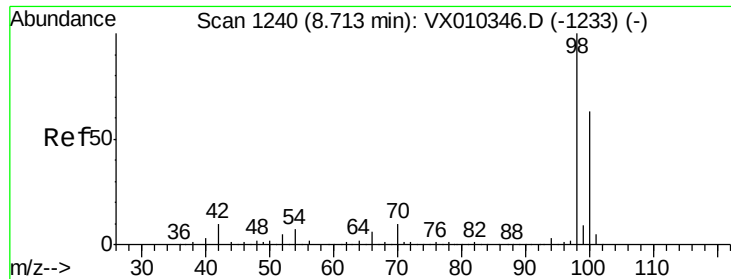
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#40
Benzene
Concen: 6.725 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010700.D
Acq: 08 Jul 2019 16:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.6	28.0





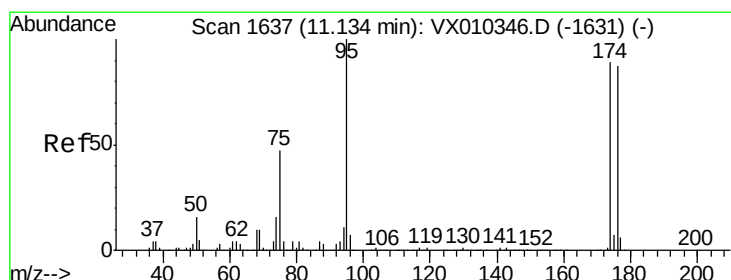
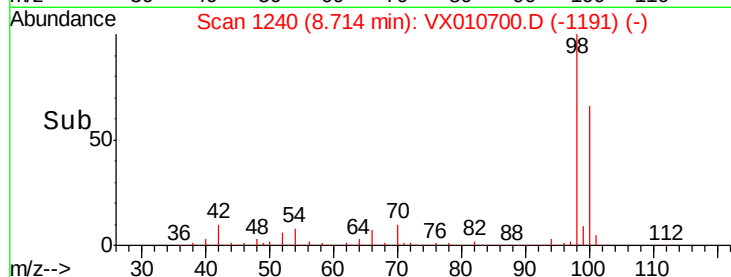
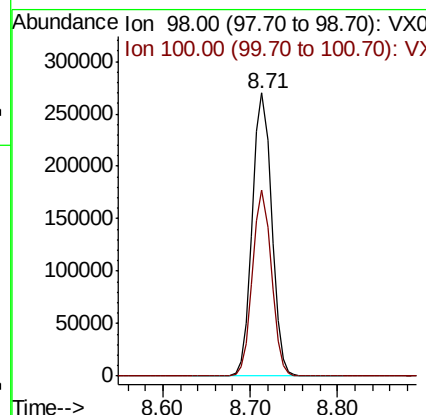
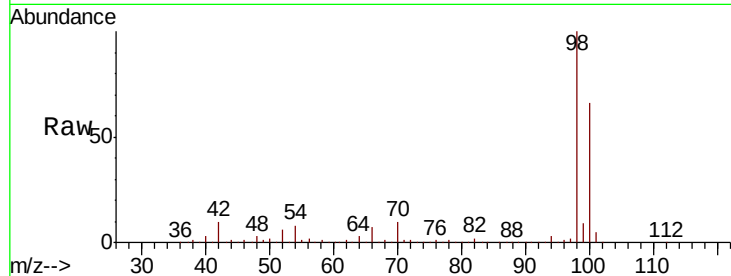
#50
Toluene-d8
Concen: 51.609 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010700.D
Acq: 08 Jul 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 98 Resp: 415304
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

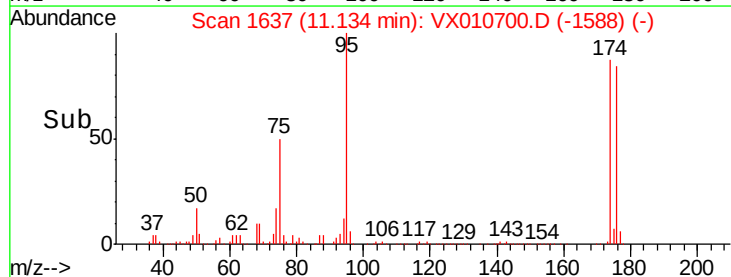
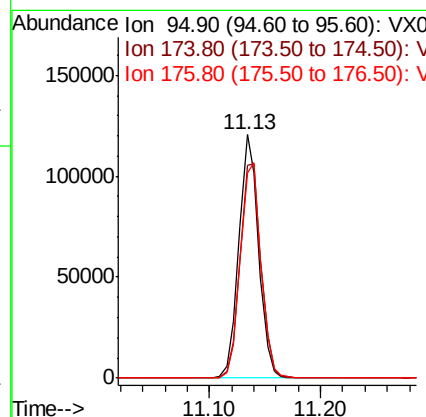
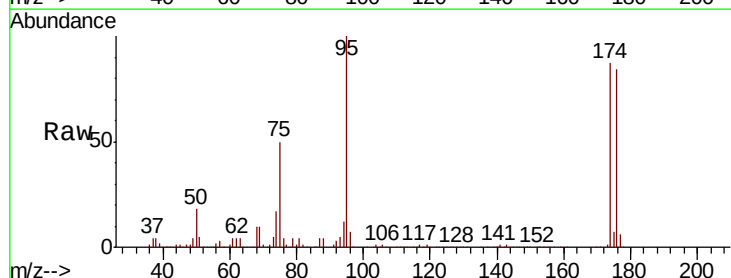
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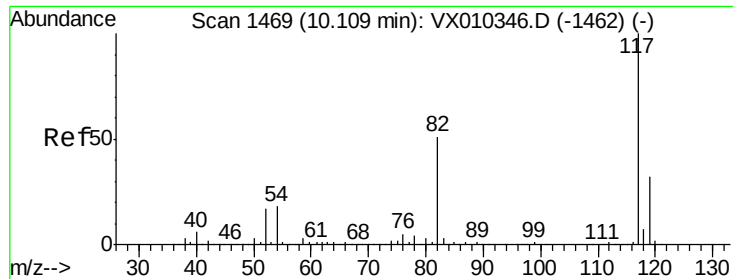
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#62
4-Bromofluorobenzene
Concen: 50.894 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010700.D
Acq: 08 Jul 2019 16:59

Tgt Ion: 95 Resp: 147859
Ion Ratio Lower Upper
95 100
174 93.5 0.0 187.6
176 92.5 0.0 184.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

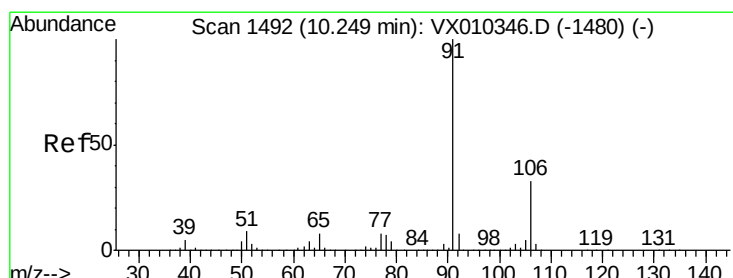
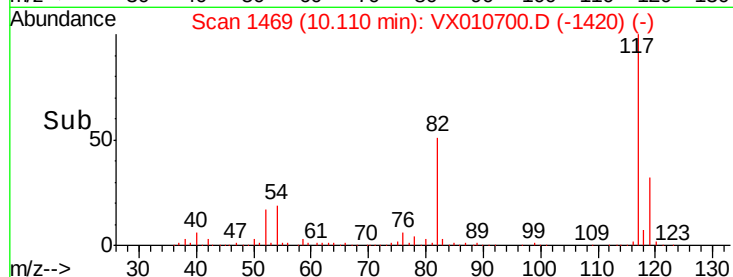
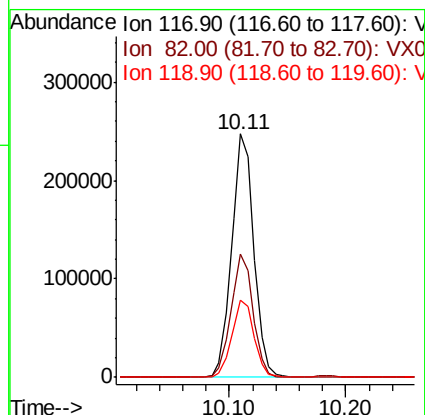
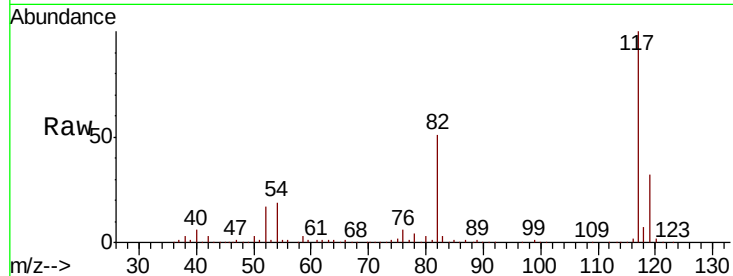
ClientSampleId :

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Tgt Ion:	117	Resp:	326152
Ion Ratio	Lower	Upper	
117	100		
82	50.8	41.2	61.8
119	31.9	25.5	38.3

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#67

Ethyl Benzene

Concen: 23.906 ug/l

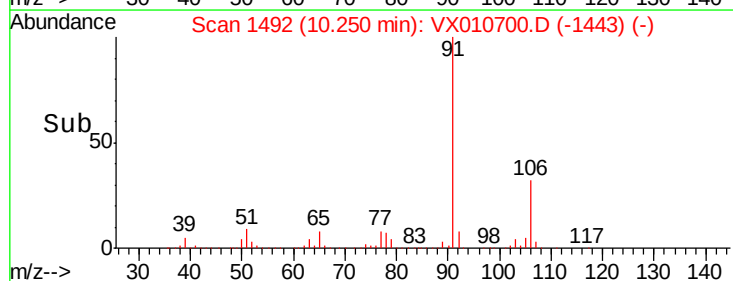
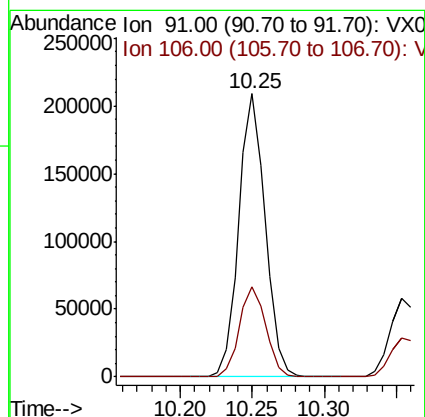
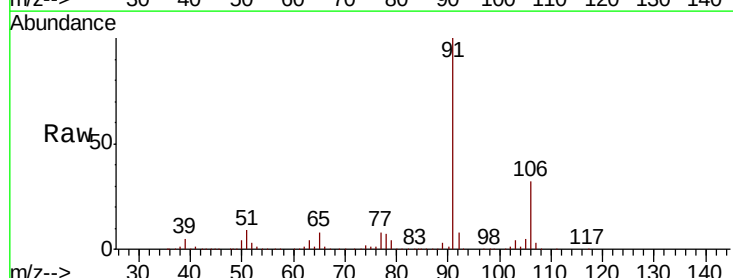
RT: 10.25 min Scan# 1492

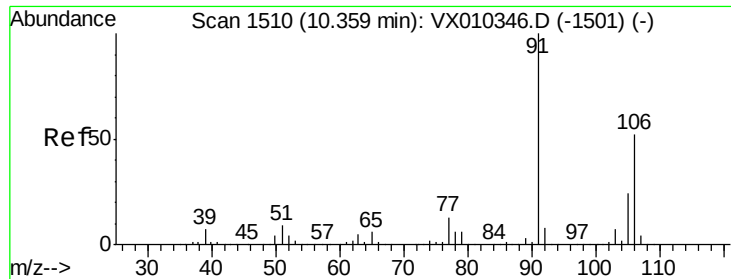
Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Tgt Ion:	91	Resp:	267240
Ion Ratio	Lower	Upper	
91	100		
106	31.8	26.2	39.2





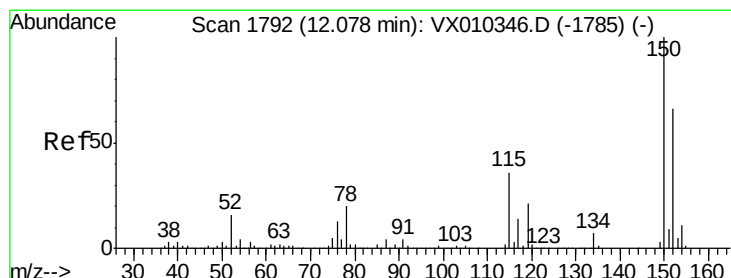
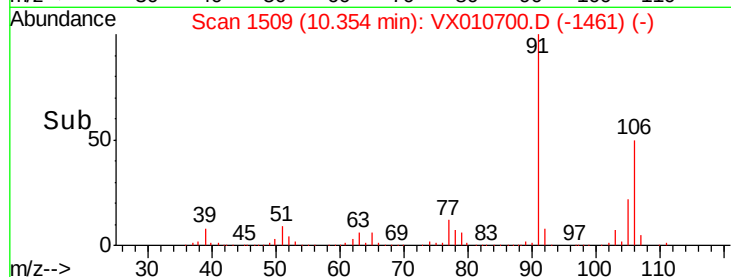
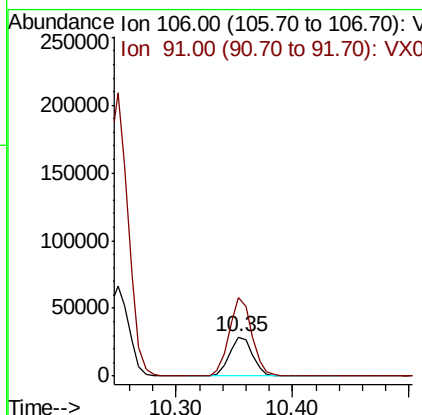
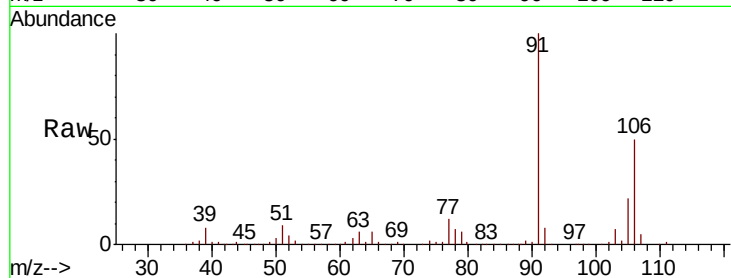
#68
m/p-Xylenes
Concen: 9.351 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010700.D
Acq: 08 Jul 2019 16:59

Instrument :
MSVOA_X
ClientSampled :
FL-0582DL

Tgt Ion:106 Resp: 40505
Ion Ratio Lower Upper
106 100
91 195.9 155.3 232.9

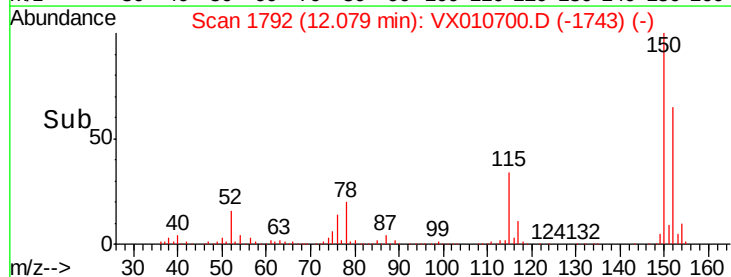
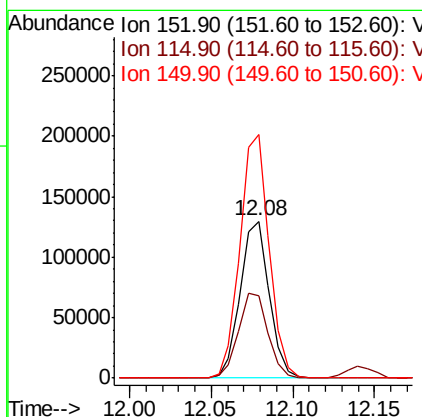
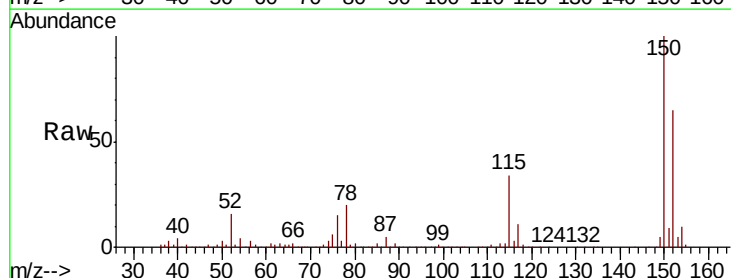
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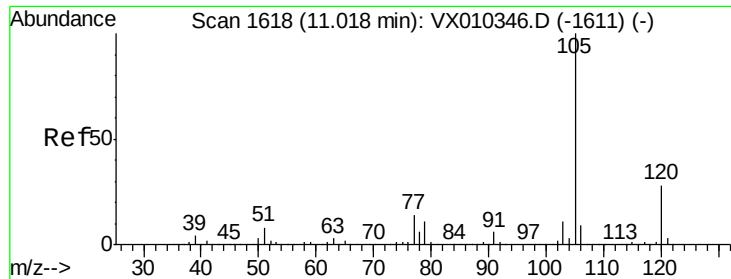
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010700.D
Acq: 08 Jul 2019 16:59

Tgt Ion:152 Resp: 161171
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 156.2 0.0 347.4





#73

Isopropylbenzene

Concen: 7.478 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

FL-0582DL

Tgt Ion: 105 Resp: 81700

Ion Ratio Lower Upper

105 100

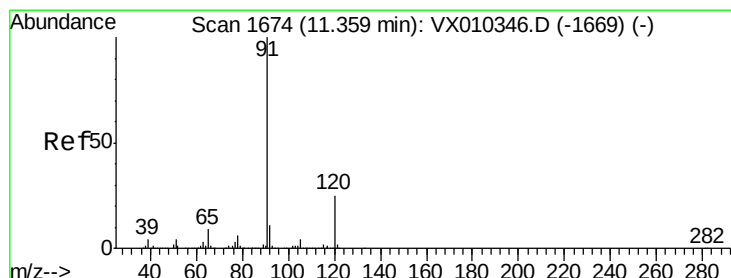
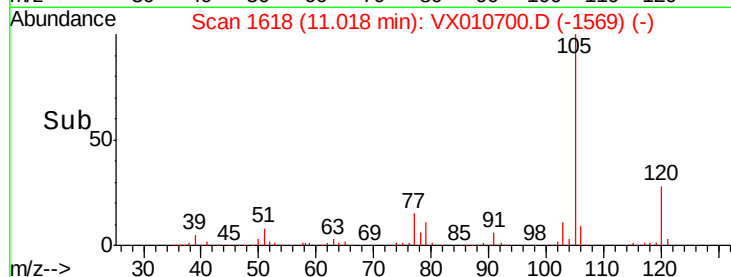
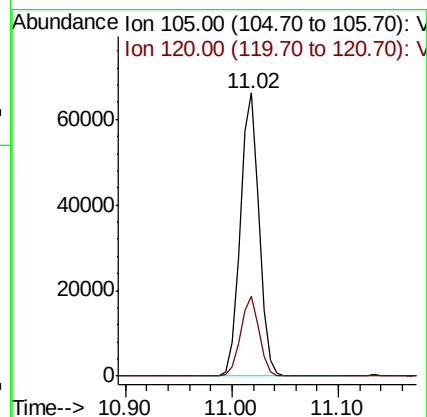
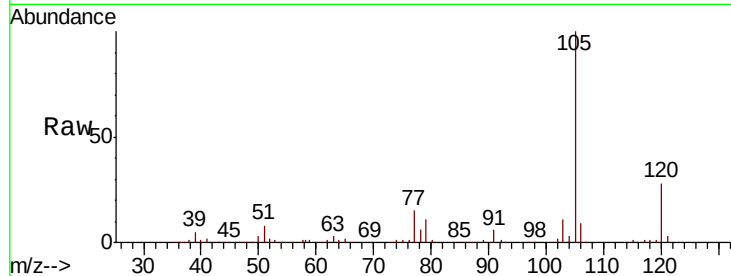
120 28.1 14.1 42.4

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#78

n-propylbenzene

Concen: 11.139 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010700.D

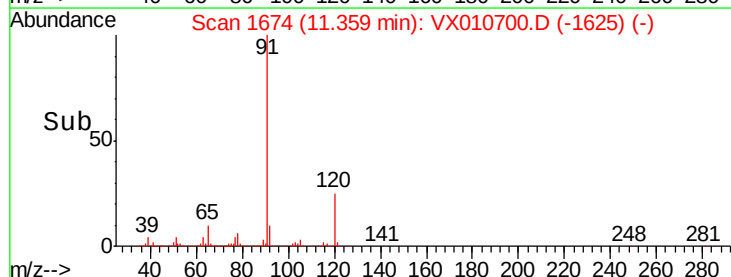
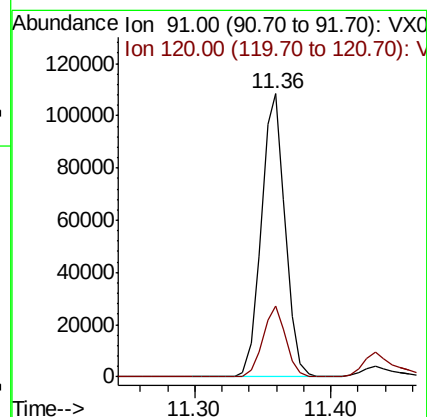
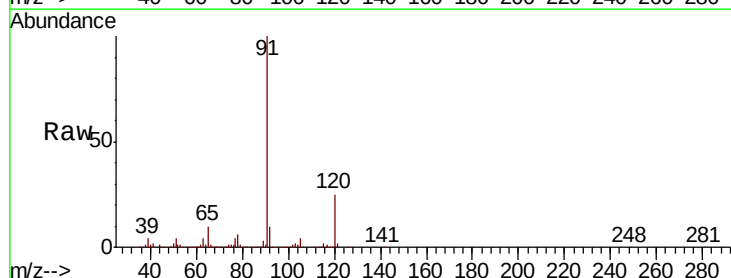
Acq: 08 Jul 2019 16:59

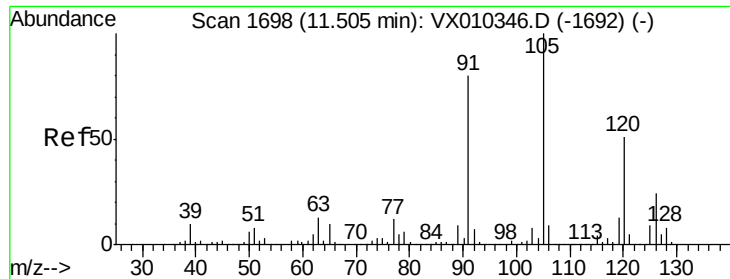
Tgt Ion: 91 Resp: 133749

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.4





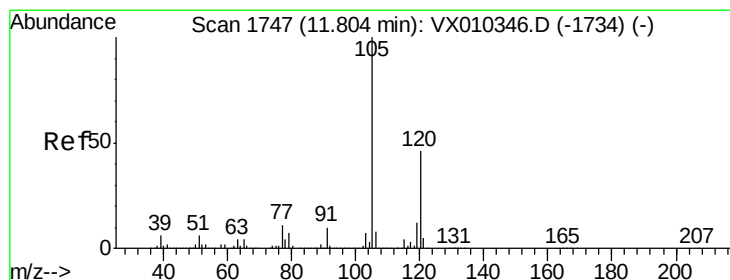
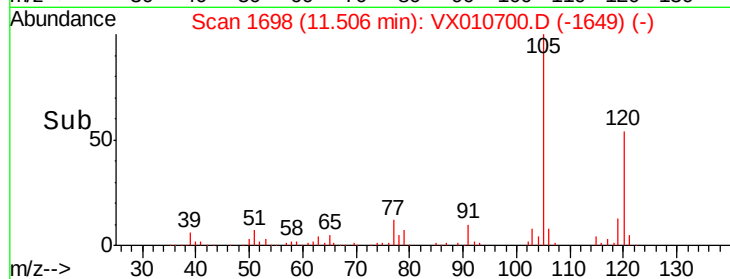
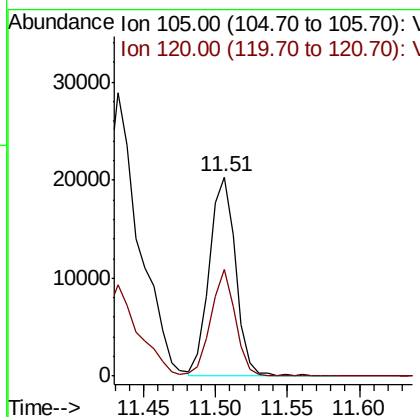
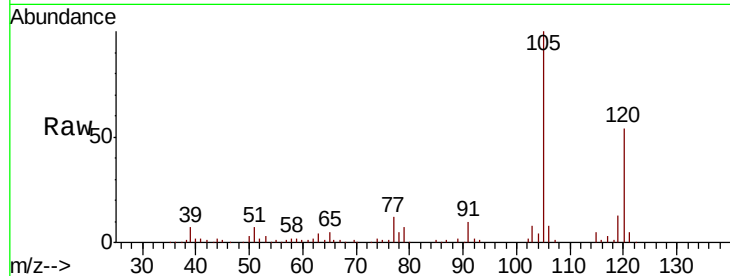
#80
 1,3,5-Trimethylbenzene
 Concen: 2.862 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010700.D
 Acq: 08 Jul 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0582DL

Tgt Ion:105 Resp: 25779
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.2 75.6

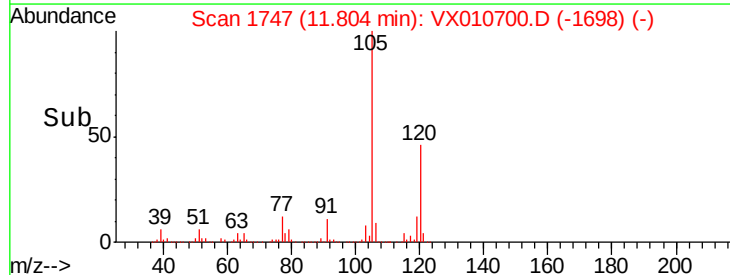
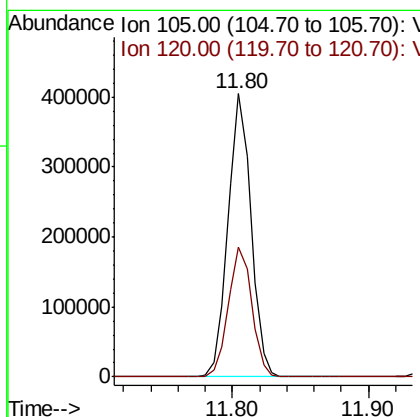
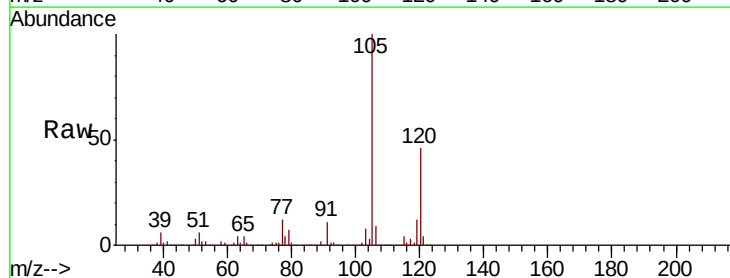
Manual Integrations
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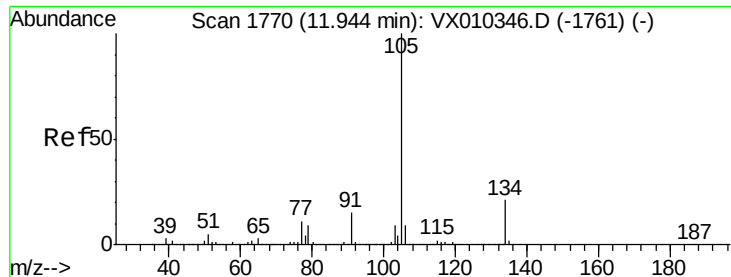
MMDadoda
 7/9/2019 11:11:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.452 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010700.D
 Acq: 08 Jul 2019 16:59

Tgt Ion:105 Resp: 474633
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.654 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0582DL

Tgt Ion:105 Resp: 17556

Ion Ratio Lower Upper

105 100

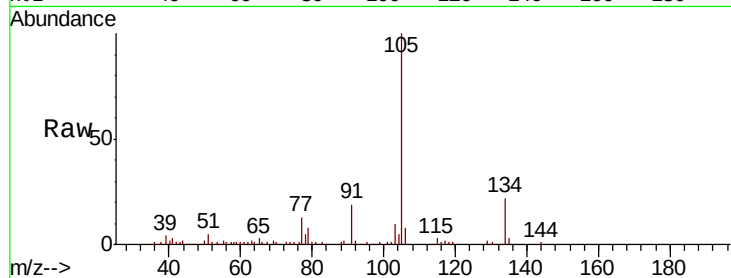
134 29.4 10.7 31.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

15000

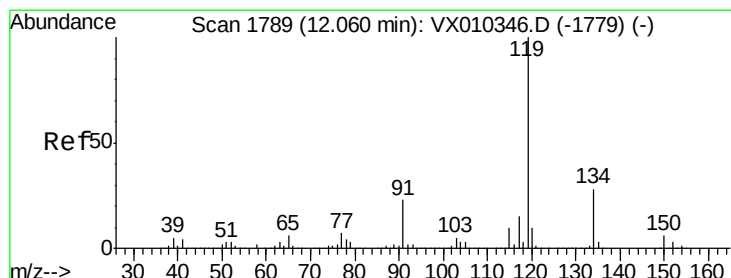
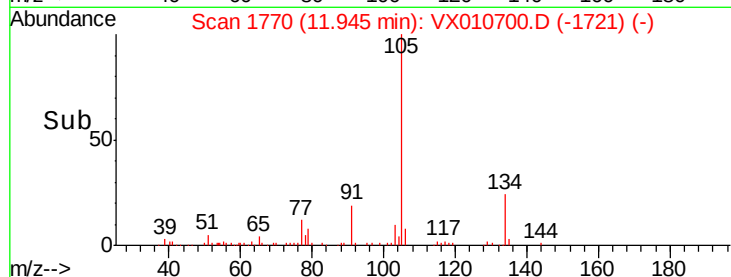
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 0.702 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

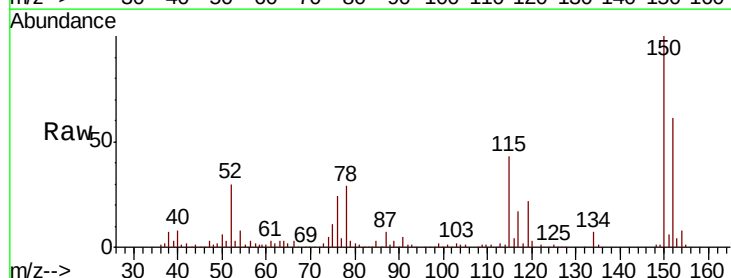
Tgt Ion:119 Resp: 6890

Ion Ratio Lower Upper

119 100

134 33.3 13.7 41.1

91 30.2 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

20000

15000

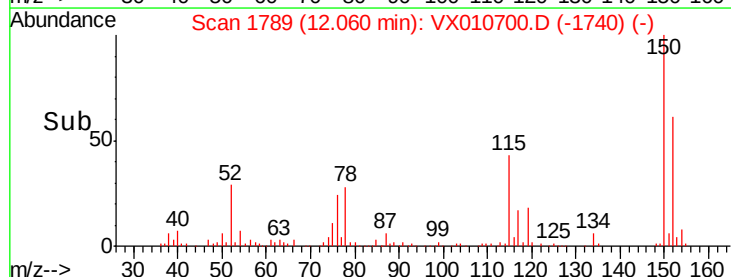
10000

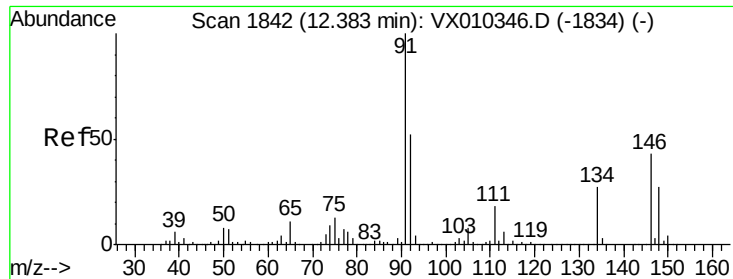
5000

0

Time-->

12.05 12.10





#89

n-Butylbenzene

Concen: 0.742 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

FL-0582DL

Tgt Ion: 91 Resp: 6194

Ion Ratio Lower Upper

91 100

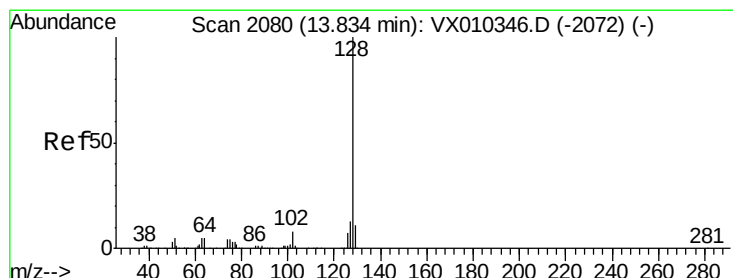
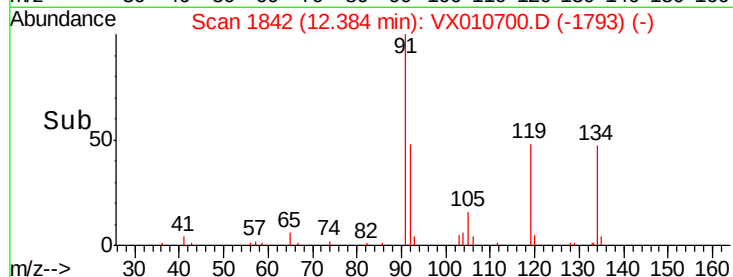
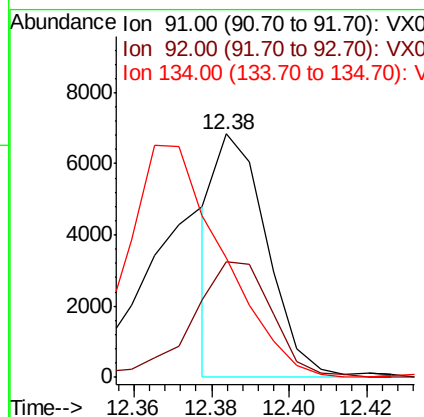
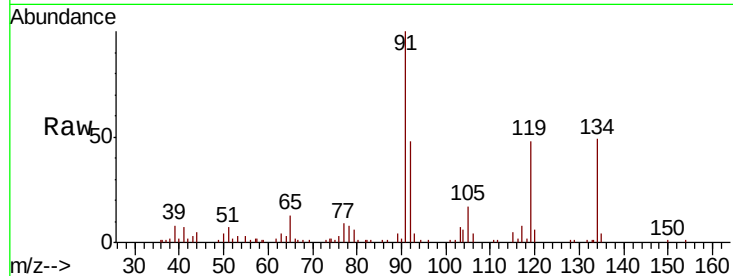
92 75.9 26.2 78.5

134 178.2 14.1 42.4#

Manual Integrations
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#95

Naphthalene

Concen: 7.911 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010700.D

Acq: 08 Jul 2019 16:59

Tgt Ion: 128 Resp: 89232

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 11.5 8.9 13.3

