

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010495.D
 Acq On : 27 Jun 2019 17:40
 Operator : JC/SP
 Sample : K3565-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0577

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:38:10 AM

Quant Time: Jun 28 07:42:53 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	262940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	402046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	375744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185192	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	122475	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
35) Dibromofluoromethane	5.50	113	122672	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
50) Toluene-d8	8.71	98	480392	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.13	95	167559	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	3467	2.806	ug/l	97
31) Cyclohexane	5.59	56	68046	19.109	ug/l	98
39) Methylcyclohexane	7.46	83	113988	27.143	ug/l	97
40) Benzene	6.15	78	4332	0.435	ug/l	97
67) Ethyl Benzene	10.25	91	998771	77.555	ug/l	100
68) m/p-Xylenes	10.36	106	1073109	215.051	ug/l	99
69) o-Xylene	10.69	106	7321	1.492	ug/l	90
73) Isopropylbenzene	11.02	105	202286	16.114	ug/l	100
78) n-propylbenzene	11.36	91	286180	20.742	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	875445	84.592	ug/l	99
83) tert-Butylbenzene	11.77	119	9866	0.950	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	1595290	153.429	ug/l	99
85) sec-Butylbenzene	11.94	105	35505m	2.911	ug/l	
86) p-Isopropyltoluene	12.06	119	61936	5.490	ug/l	99
95) Naphthalene	13.83	128	596153	45.999	ug/l	100

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

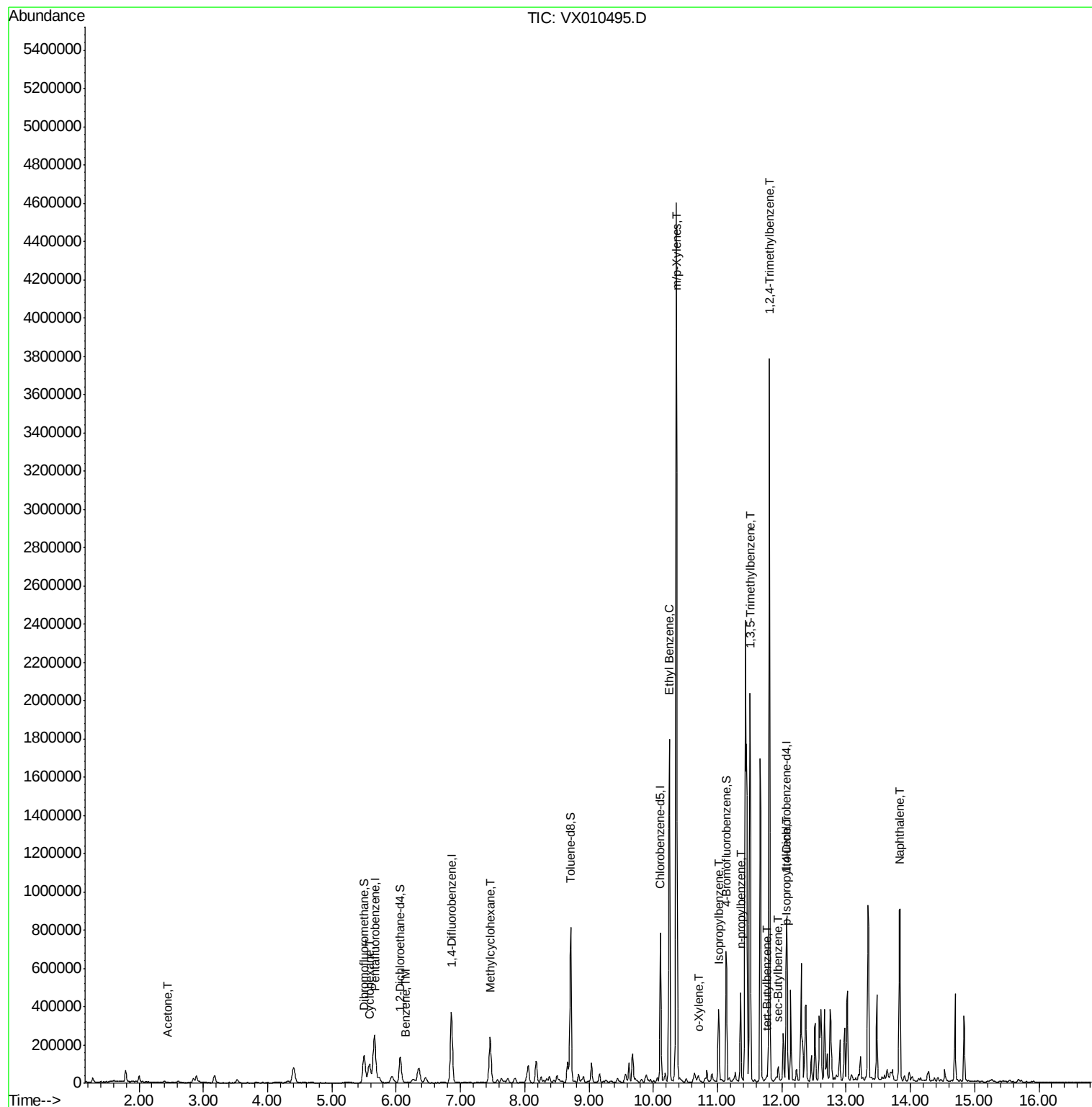
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010495.D
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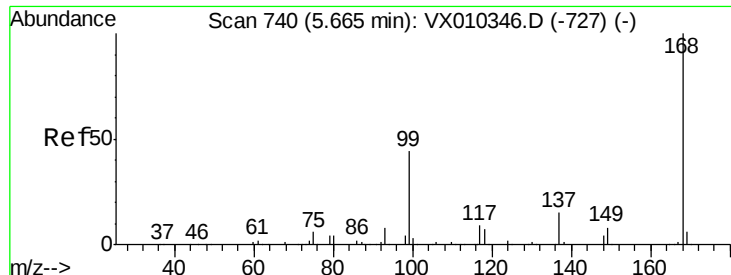
Instrument :
MSVOA_X
ClientSampleId :
FL-0577

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6/28/2019 10:38:10 AM

Quant Time: Jun 28 07:42:53 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: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

ClientSampled :

FL-0577

Tot Ion:168 Resp: 262940

Ion Ratio Lower Upper

168 100

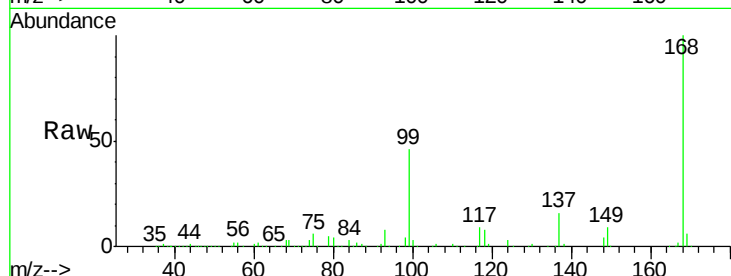
99 46.4 35.5 53.3

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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

100000

80000

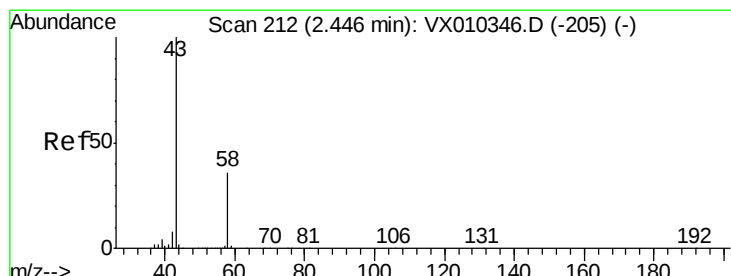
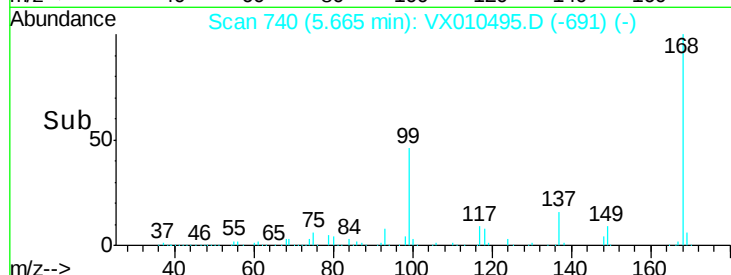
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.806 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010495.D

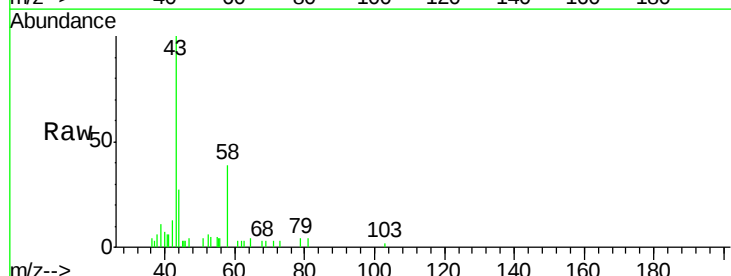
Acq: 27 Jun 2019 17:40

Tgt Ion: 43 Resp: 3467

Ion Ratio Lower Upper

43 100

58 38.2 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

2500

2000

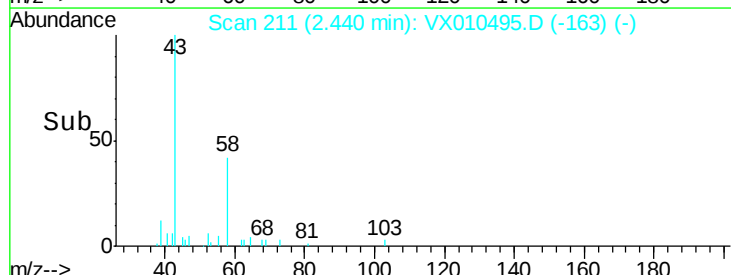
1500

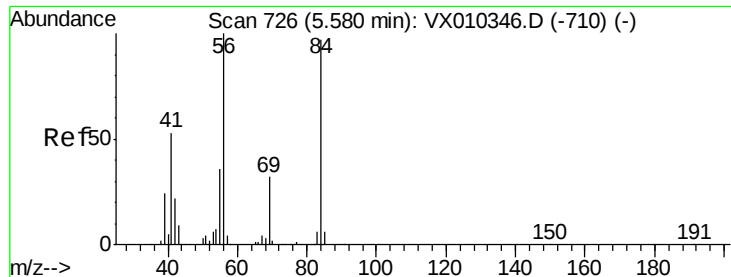
1000

500

0

Time--> 2.40 2.45 2.50





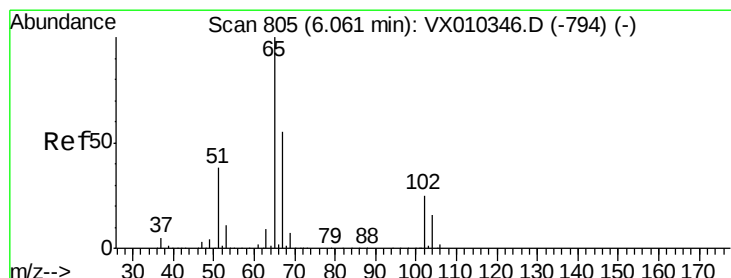
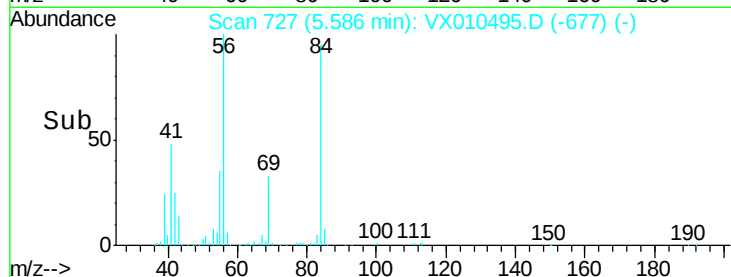
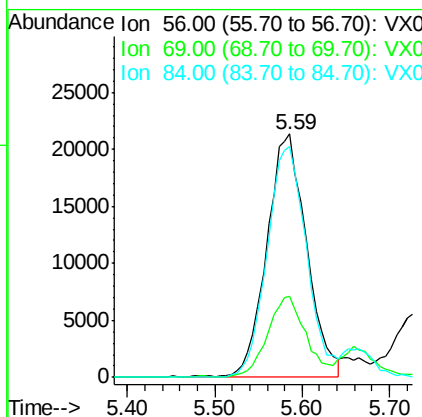
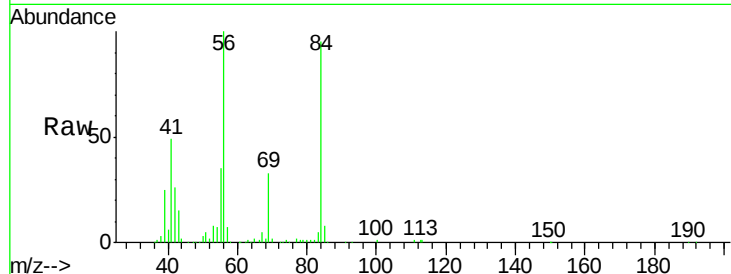
#31
Cyclohexane
Concen: 19.109 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Instrument :
MSVOA_X
ClientSampled :
FL-0577

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.9	38.9
84	95.1	78.0	117.0

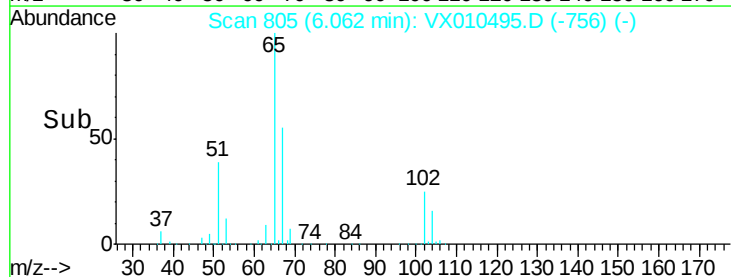
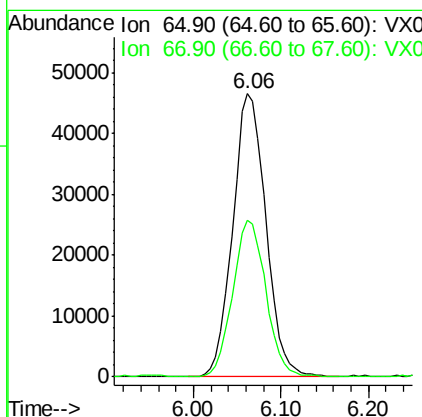
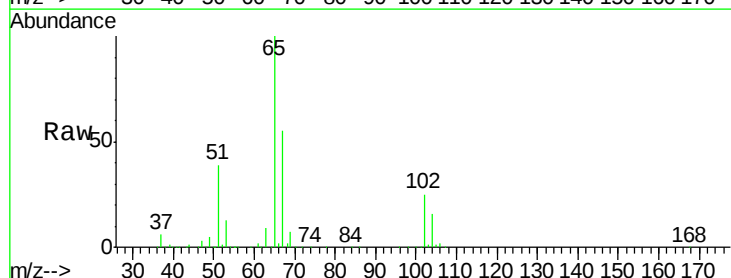
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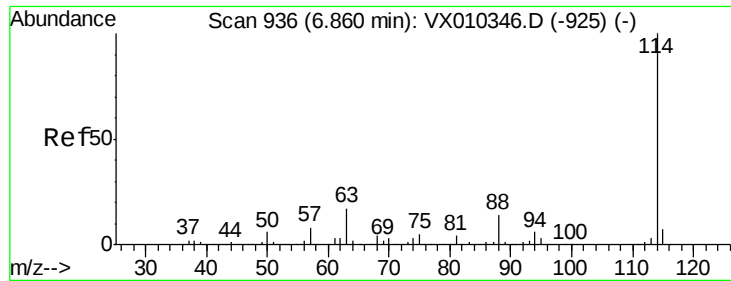
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#33
1,2-Dichloroethane-d4
Concen: 49.679 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.0	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: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

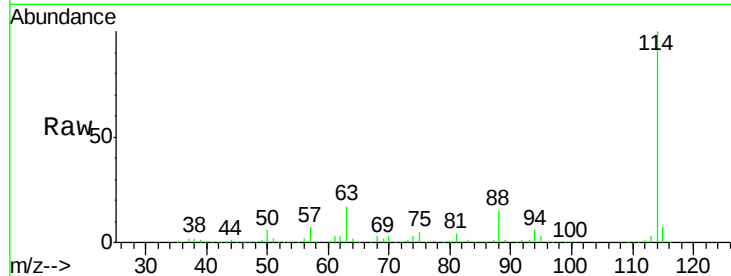
ClientSampled :

FL-0577

Tot Ion:	114	Resp:	402046
Ion Ratio	Lower	Upper	
114	100		
63	17.4	0.0	33.8
88	15.0	0.0	27.6

Manual Integrations
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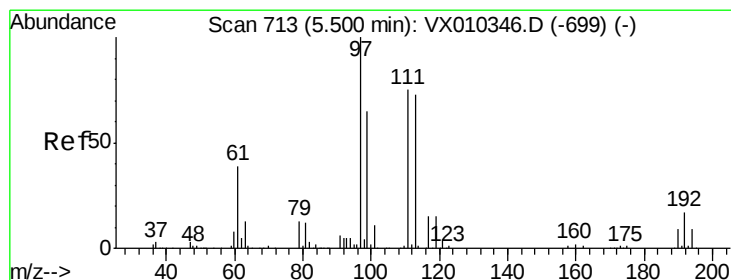
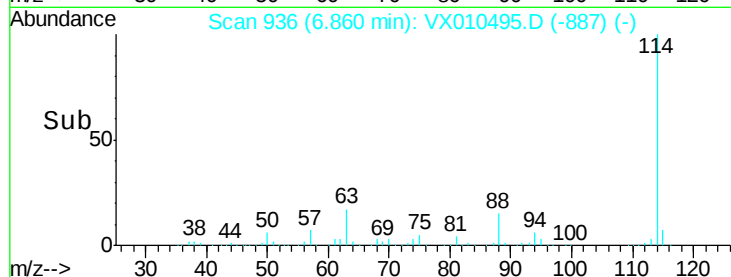
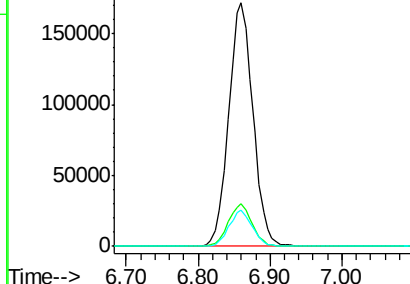
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.869 ug/l

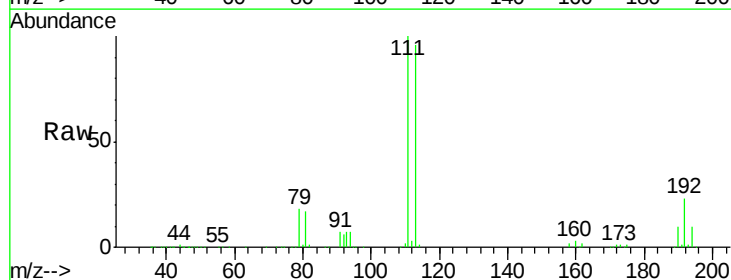
RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

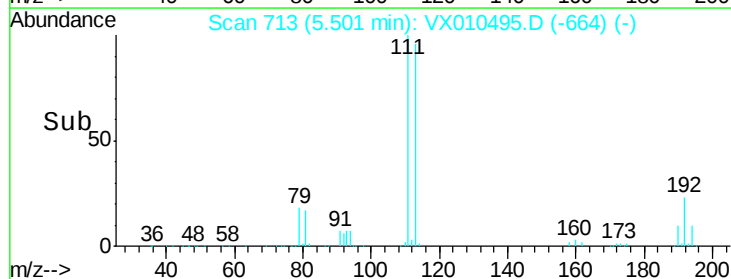
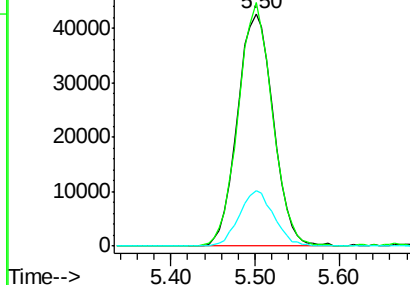
Tgt Ion:	113	Resp:	122672
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.2	121.8
192	23.0	18.6	27.8

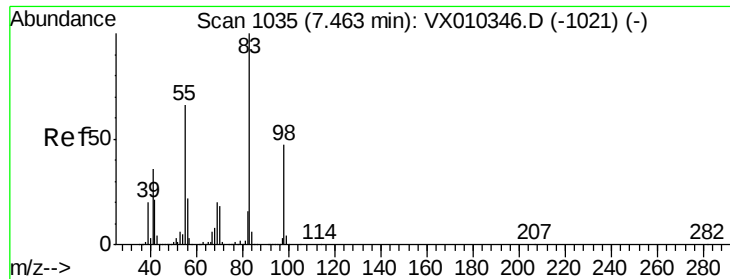


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





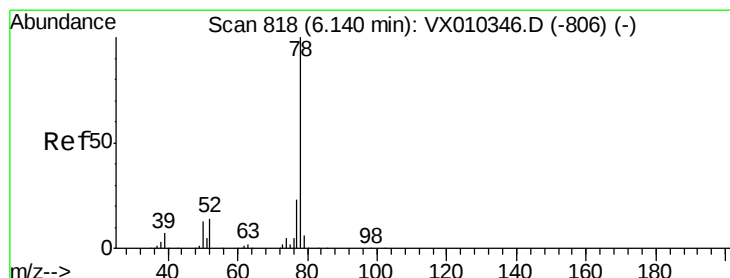
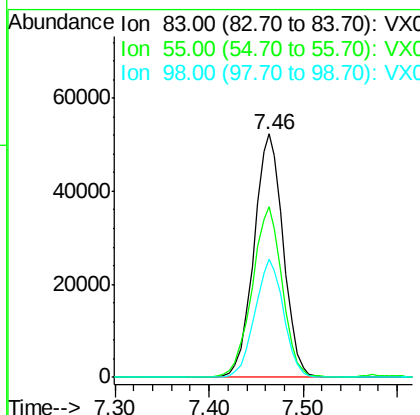
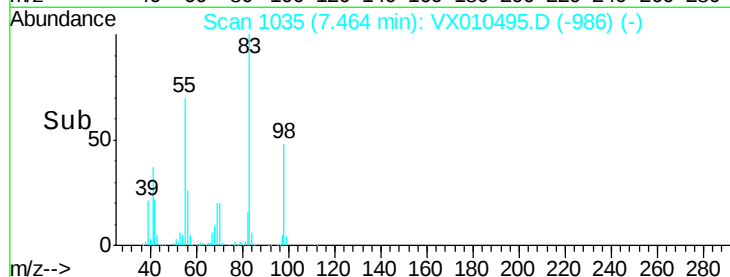
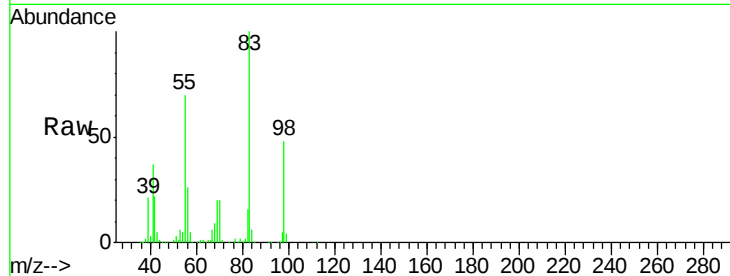
#39
Methvlcvclohexane
Concen: 27.143 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
FL-0577

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	53.0	79.6
98	48.4	37.8	56.8

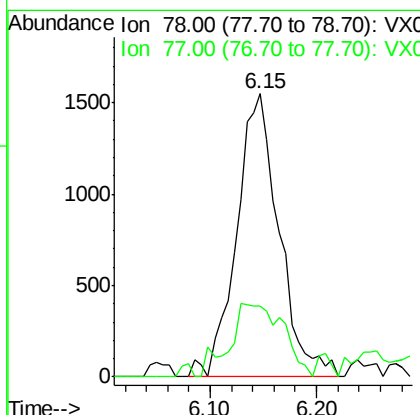
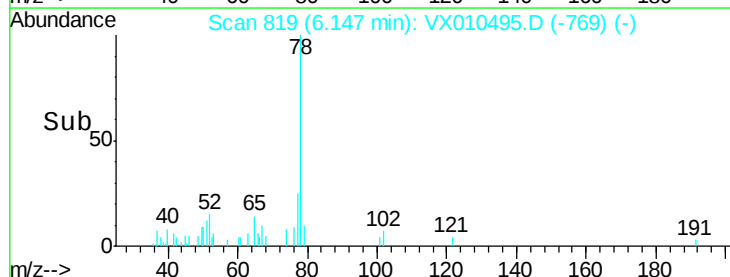
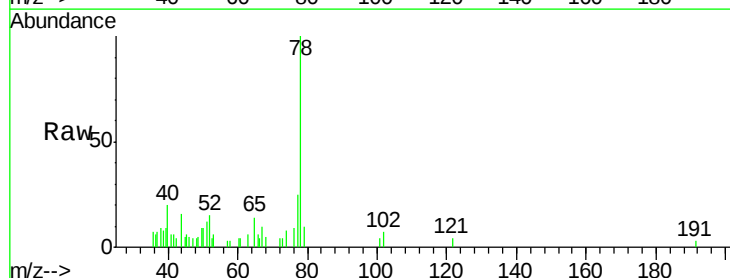
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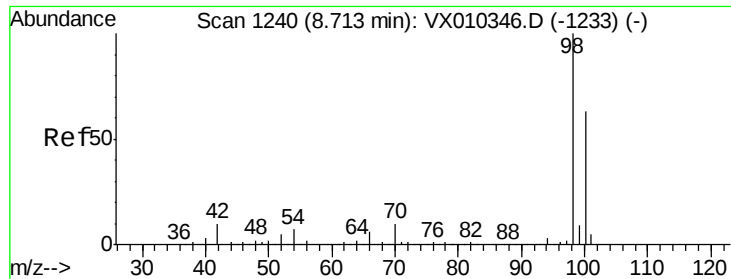
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#40
Benzene
Concen: 0.435 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.6	28.0





#50

Toluene-d8

Concen: 51.046 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0577

Tot Ion: 98 Resp: 480392

Ion Ratio Lower Upper

98 100

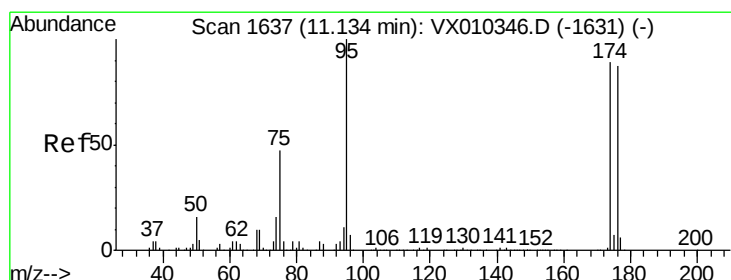
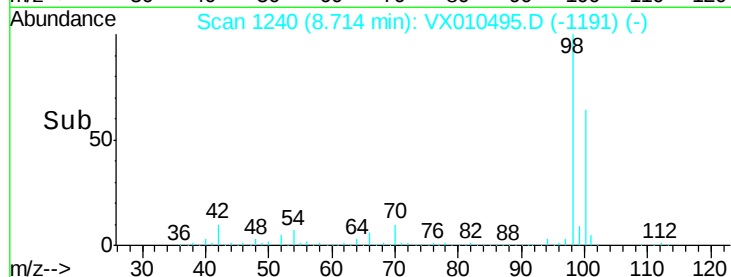
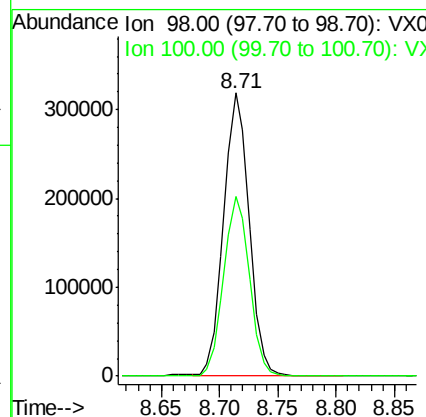
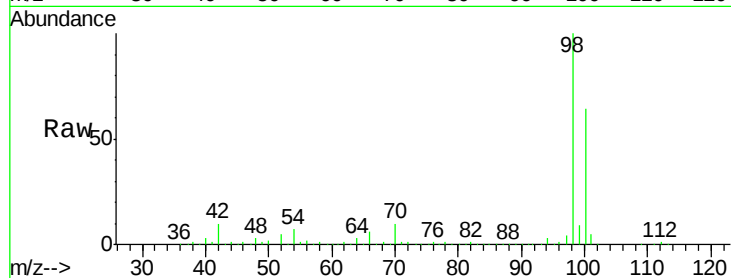
100 64.6 51.6 77.4

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#62

4-Bromofluorobenzene

Concen: 49.317 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

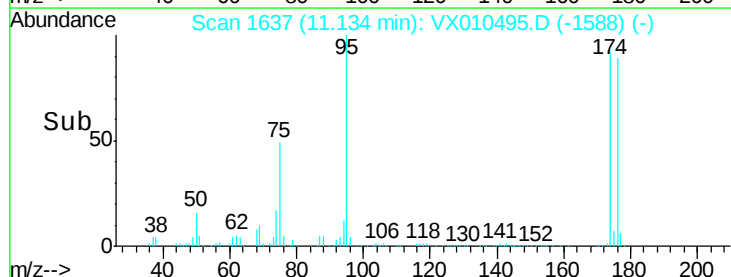
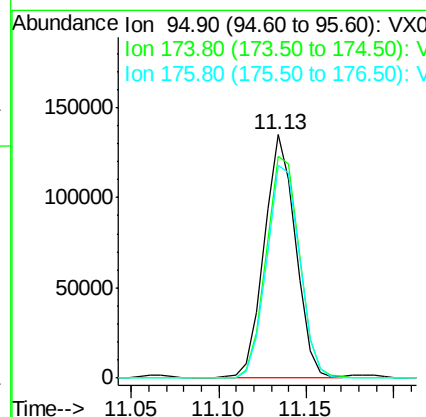
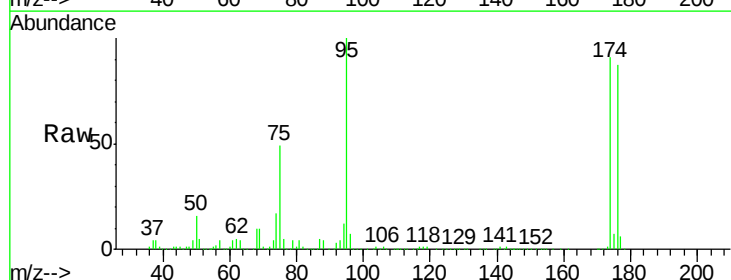
Tgt Ion: 95 Resp: 167559

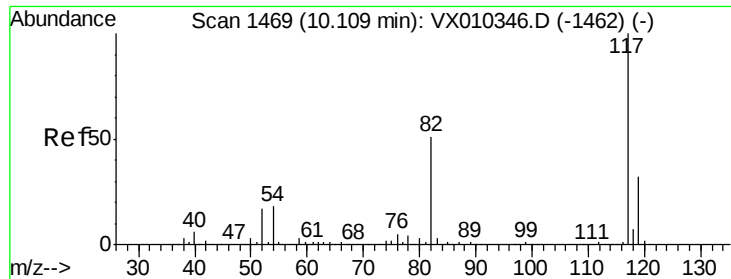
Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.6

176 92.5 0.0 184.0





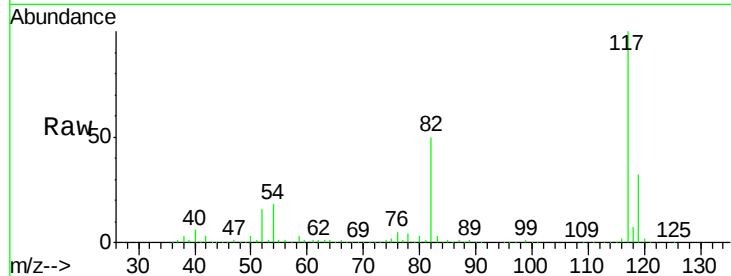
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Instrument :
MSVOA_X
ClientSampled :
FL-0577

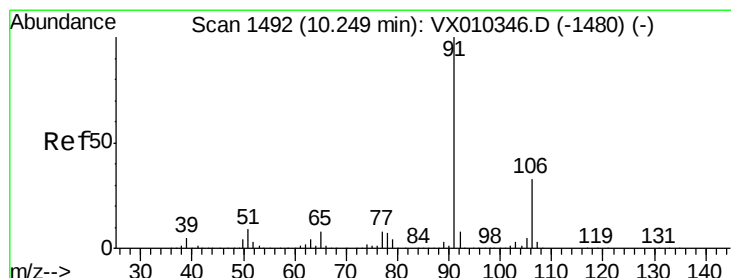
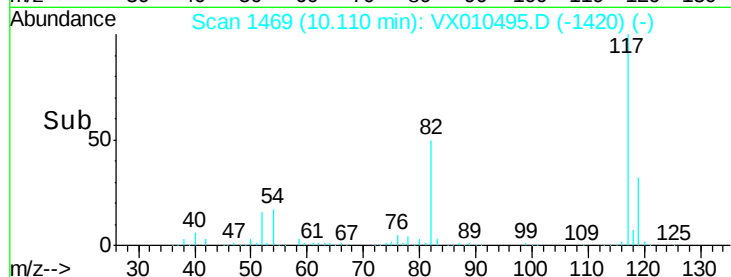
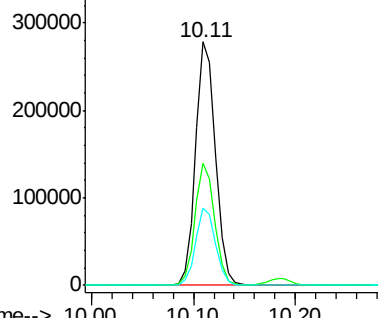
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	41.2	61.8
119	31.7	25.5	38.3

Manual Integrations
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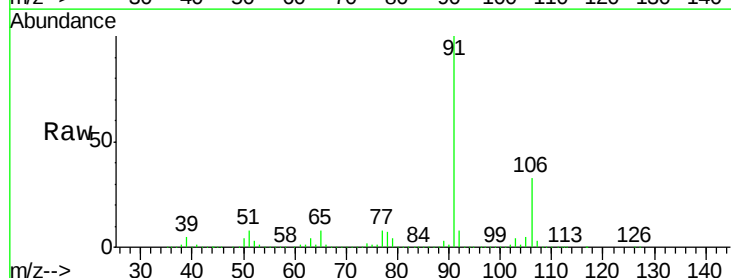


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

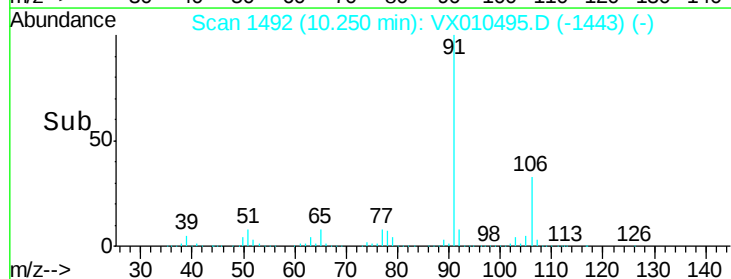
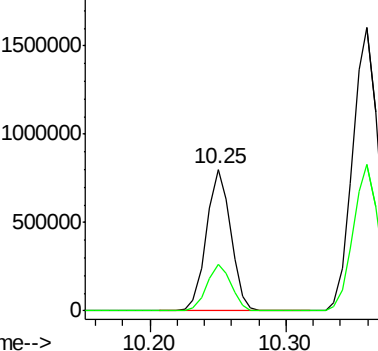


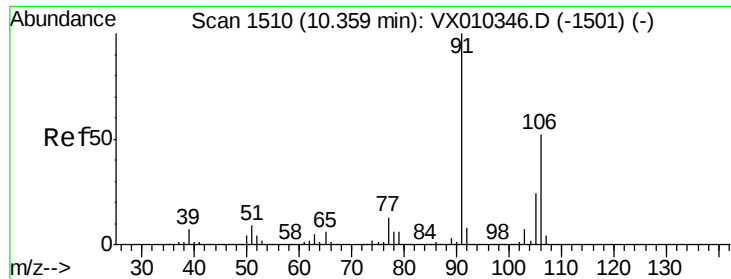
#67
Ethyl Benzene
Concen: 77.555 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	26.2	39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





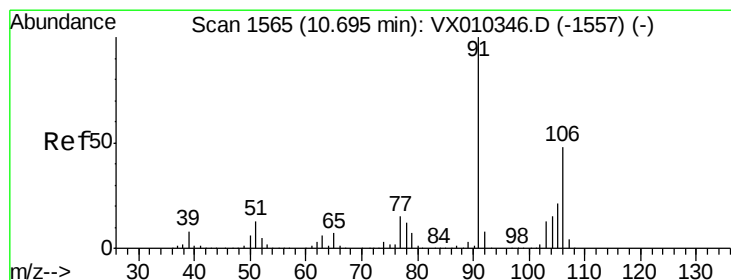
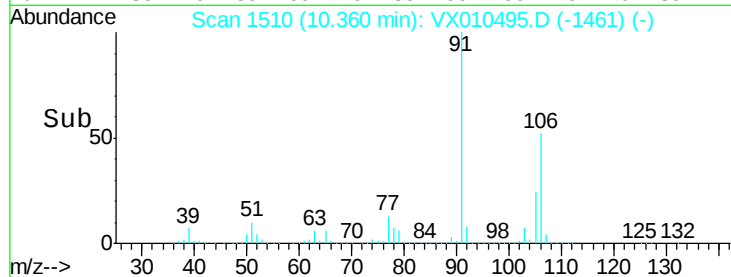
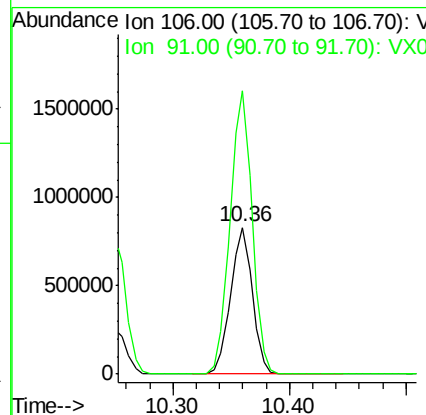
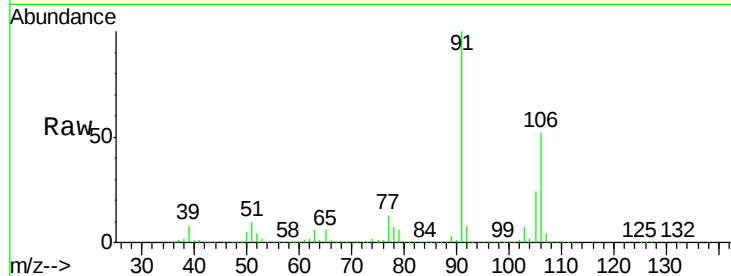
#68
m/p-Xylenes
Concen: 215.051 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
FL-0577

Tot Ion:106 Resp: 1073109
Ion Ratio Lower Upper
106 100
91 195.7 155.3 232.9

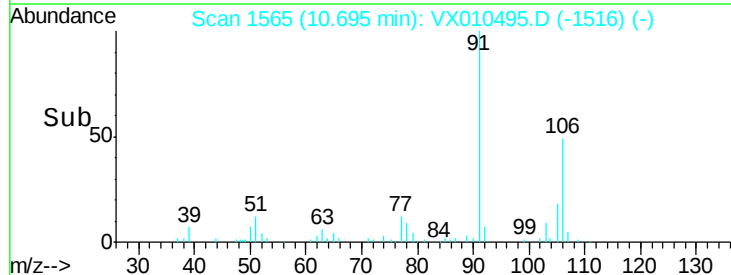
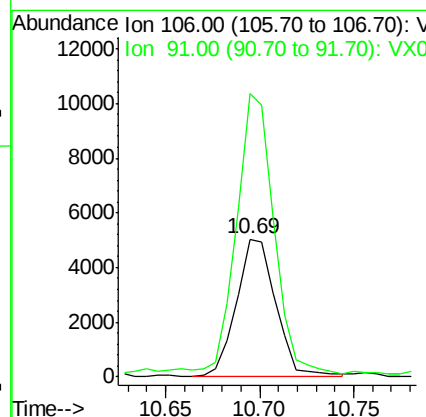
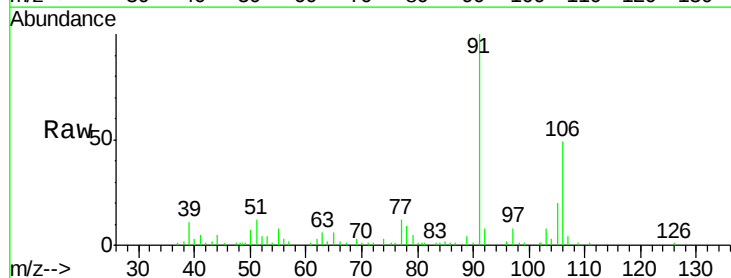
Manual Integrations
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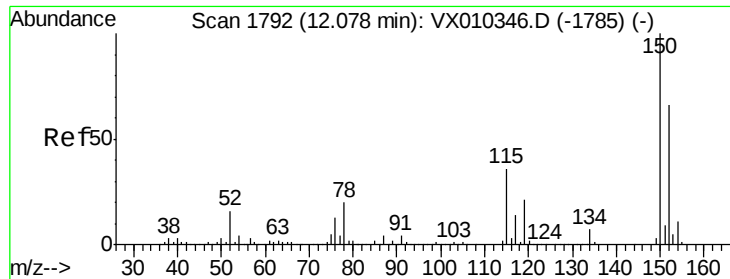
MMDadoda
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#69
o-Xylene
Concen: 1.492 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Tgt Ion:106 Resp: 7321
Ion Ratio Lower Upper
106 100
91 190.5 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

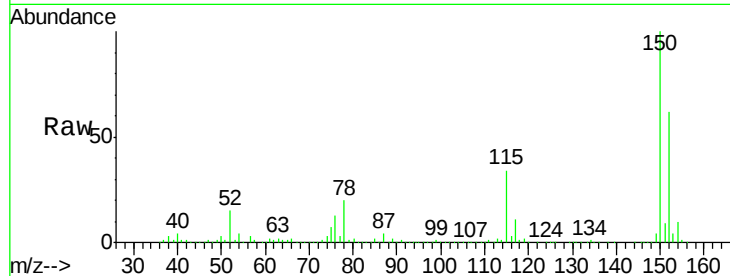
ClientSampleId :

FL-0577

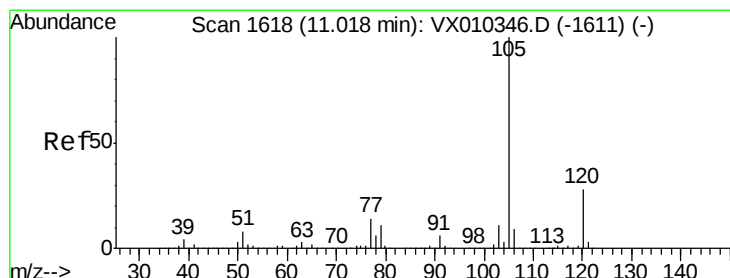
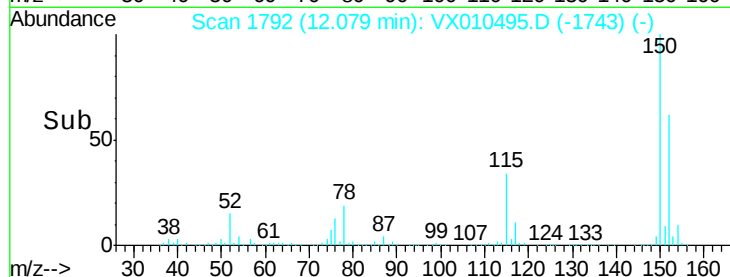
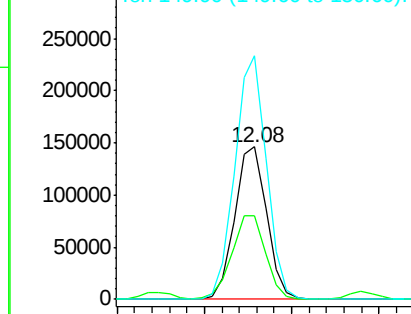
Tot Ion:	152	Resp:	185192
Ion Ratio	Lower	Upper	
152	100		
115	58.6	38.6	115.7
150	157.6	0.0	347.4

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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: 16.114 ug/l

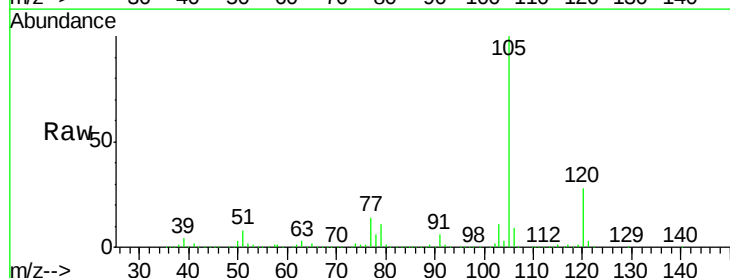
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

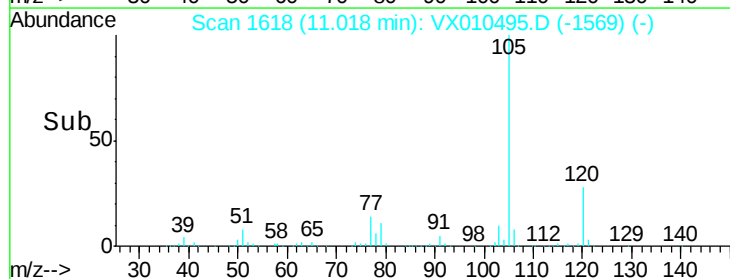
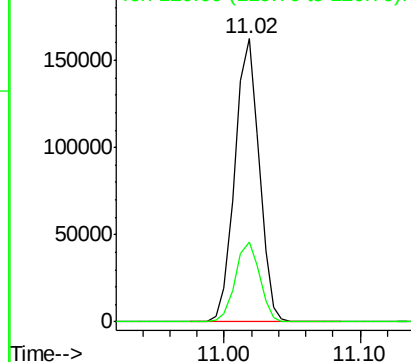
Lab File: VX010495.D

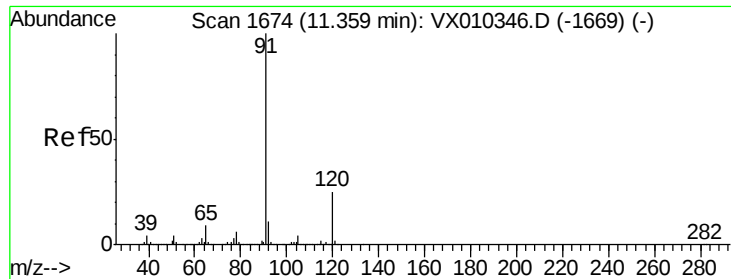
Acq: 27 Jun 2019 17:40

Tgt Ion:	105	Resp:	202286
Ion Ratio	Lower	Upper	
105	100		
120	28.2	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: 20.742 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

ClientSampled :

FL-0577

Tot Ion: 91 Resp: 286180

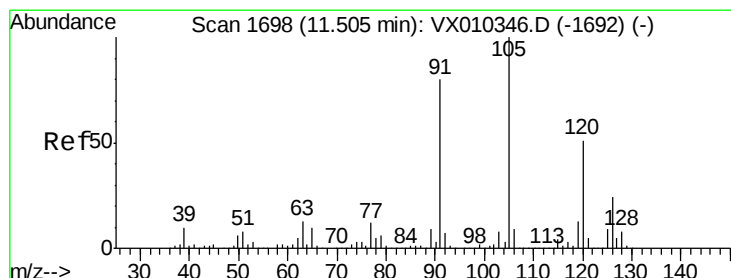
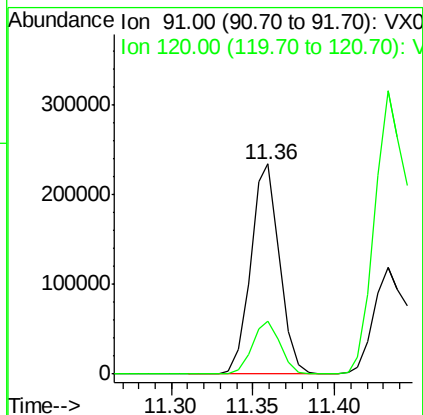
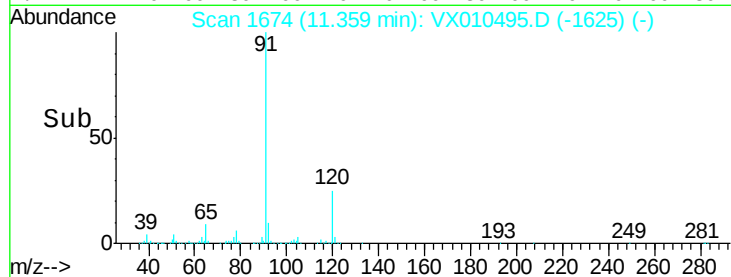
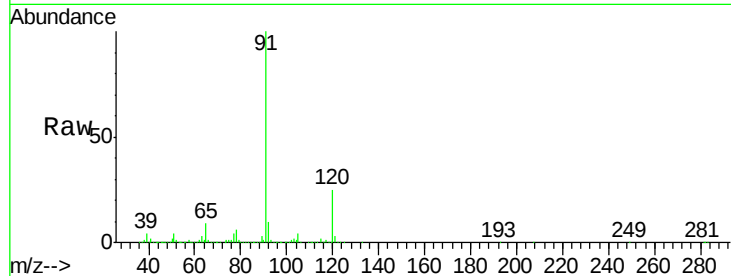
Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 84.592 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010495.D

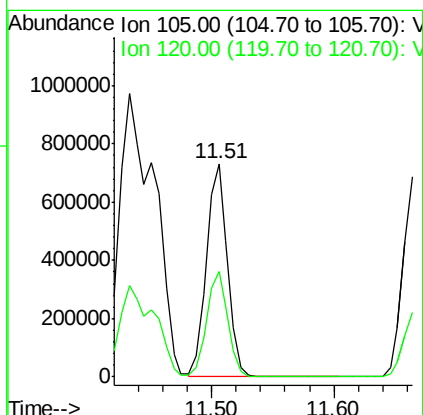
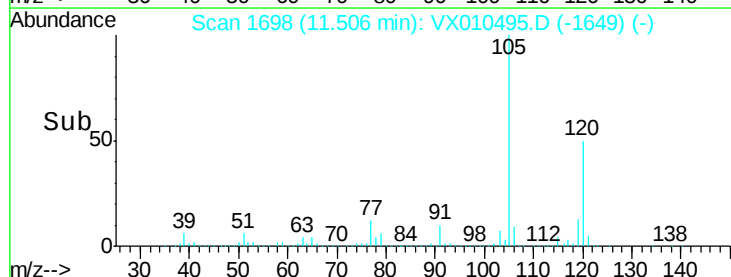
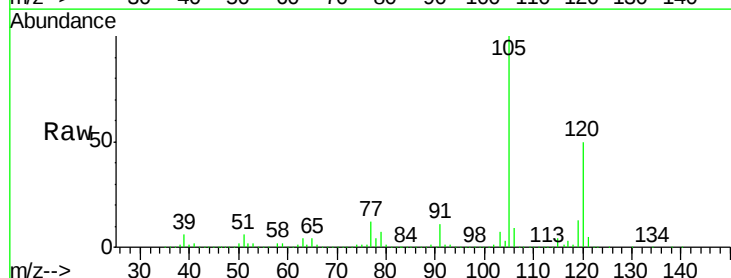
Acq: 27 Jun 2019 17:40

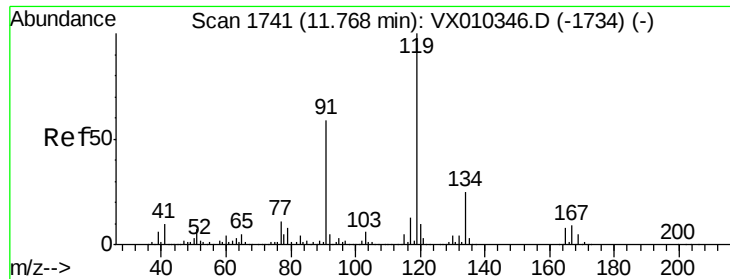
Tgt Ion: 105 Resp: 875445

Ion Ratio Lower Upper

105 100

120 49.8 25.2 75.6





#83

tert-Butylbenzene

Concen: 0.950 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

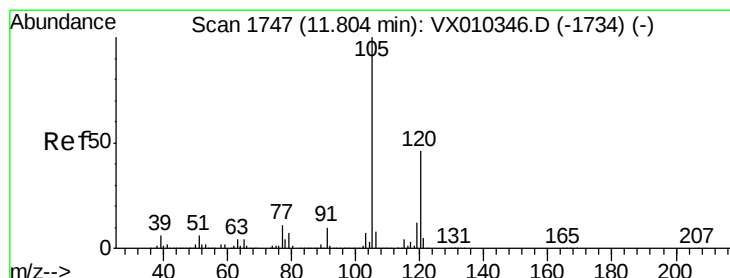
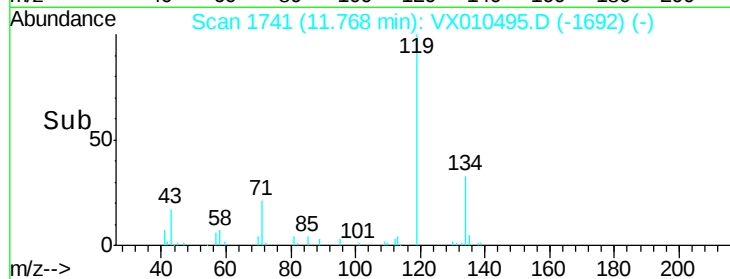
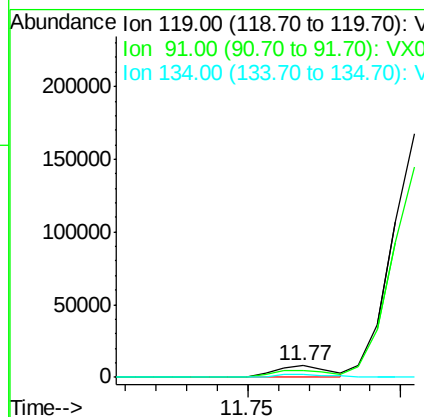
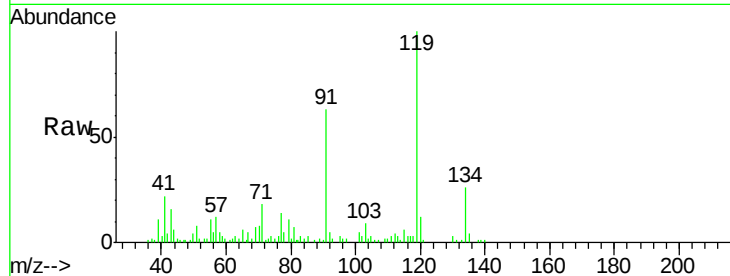
ClientSampled :

FL-0577

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	27.6	82.7
134	27.5	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 153.429 ug/l

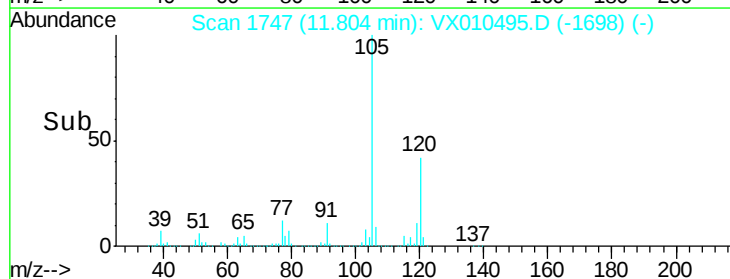
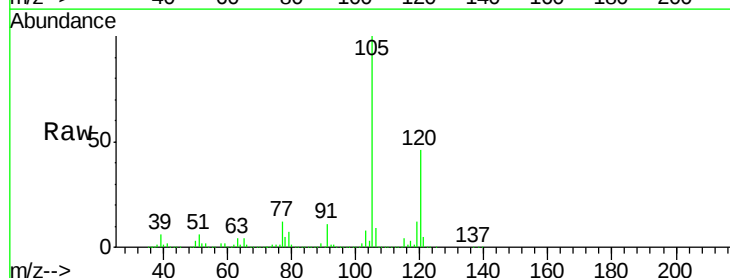
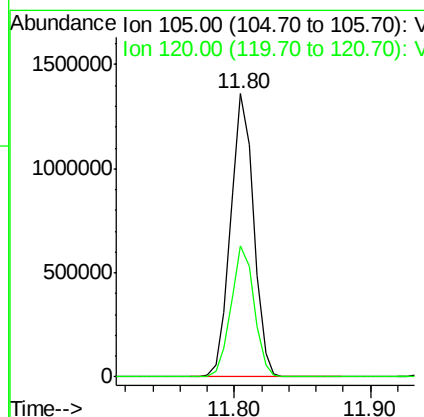
RT: 11.80 min Scan# 1747

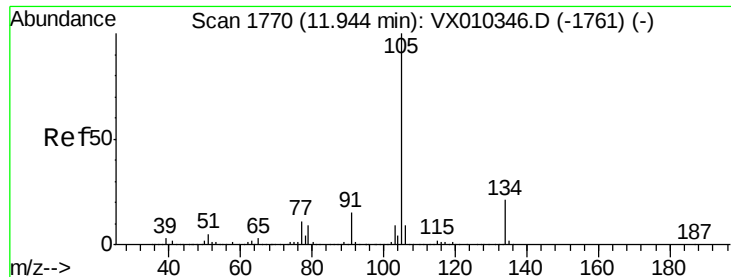
Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 2.911 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0577

Tot Ion:105 Resp: 35505

Ion Ratio Lower Upper

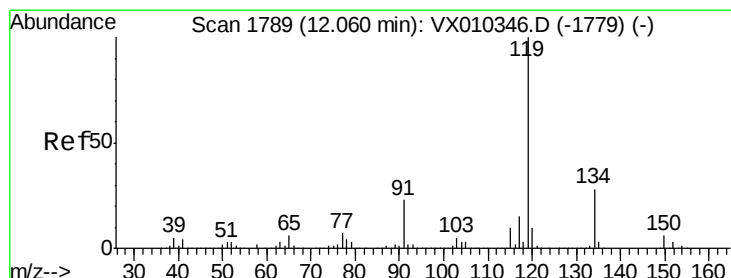
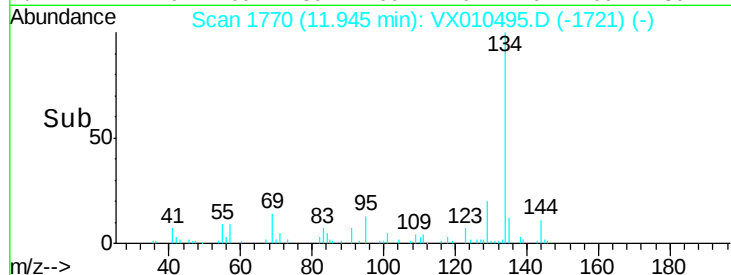
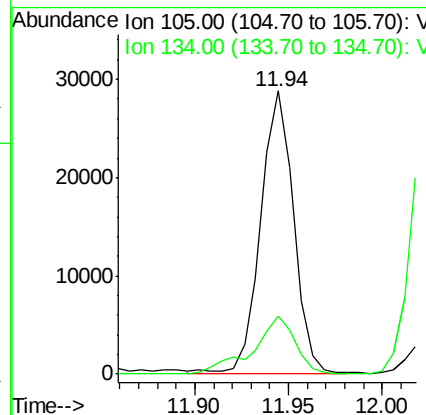
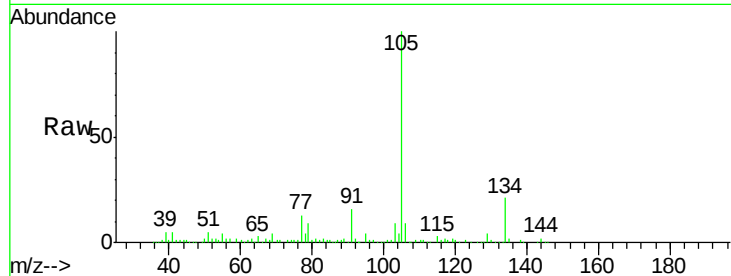
105 100

134 0.0 10.7 31.9#

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#86

p-Isopropyltoluene

Concen: 5.490 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010495.D

Acq: 27 Jun 2019 17:40

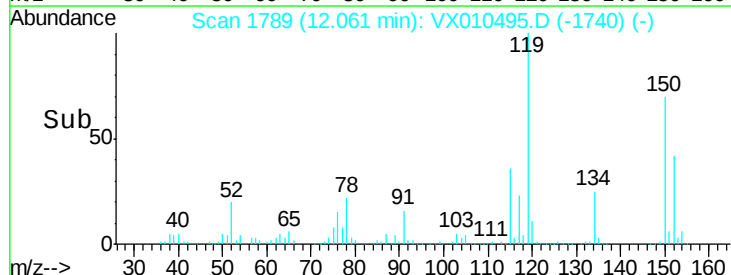
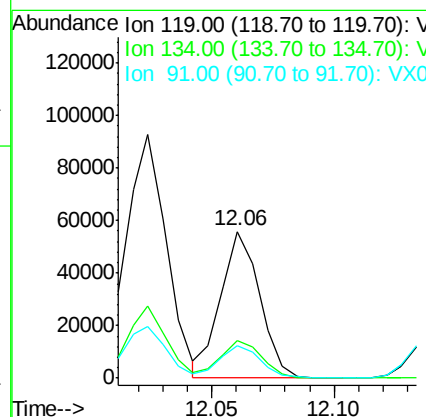
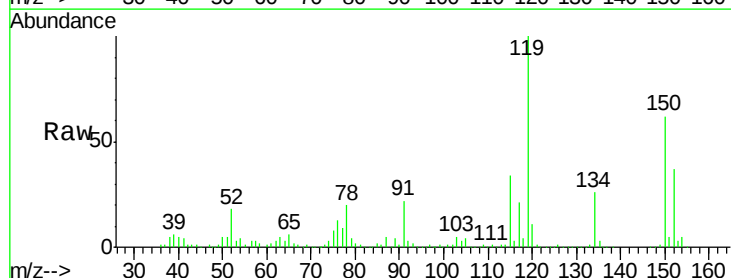
Tgt Ion:119 Resp: 61936

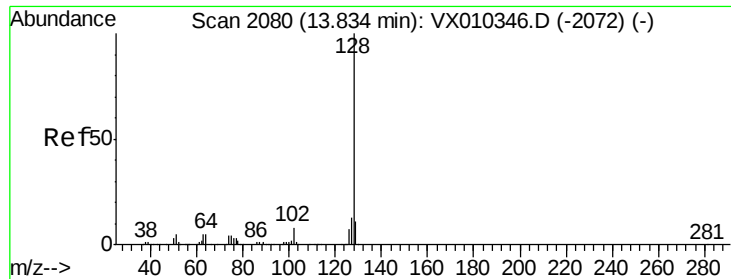
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 22.8 11.3 33.8





#95
Naphthalene
Concen: 45.999 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010495.D
Acq: 27 Jun 2019 17:40

Instrument :
MSVOA_X
ClientSampleId :
FL-0577

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.2	8.9	13.3

Manual Integrations
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6/28/2019 10:38:10 AM

