

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010892.D
 Acq On : 15 Jul 2019 18:11
 Operator : JC/SP
 Sample : K3791-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0598DL

Manual Integrations
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 7/16/2019 10:47:48 AM

Quant Time: Jul 16 03:47:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	363441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	120162	55.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.70%	
35) Dibromofluoromethane	5.49	113	112125	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.84%	
50) Toluene-d8	8.71	98	435087	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	154098	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	14694	4.728	ug/l	93
39) Methylcyclohexane	7.46	83	10605	2.793	ug/l	92
67) Ethyl Benzene	10.25	91	97716	8.530	ug/l	97
68) m/p-Xylenes	10.35	106	149368	33.649	ug/l	97
69) o-Xylene	10.70	106	20682	4.738	ug/l	94
73) Isopropylbenzene	11.02	105	15290	1.417	ug/l	98
78) n-propylbenzene	11.36	91	8678	0.732	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	12111	1.361	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	76778	8.591	ug/l	99
85) sec-Butylbenzene	11.94	105	4253	0.406	ug/l #	75
86) p-Isopropyltoluene	12.06	119	2578m	0.266	ug/l	
95) Naphthalene	13.83	128	39531	3.549	ug/l	99

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

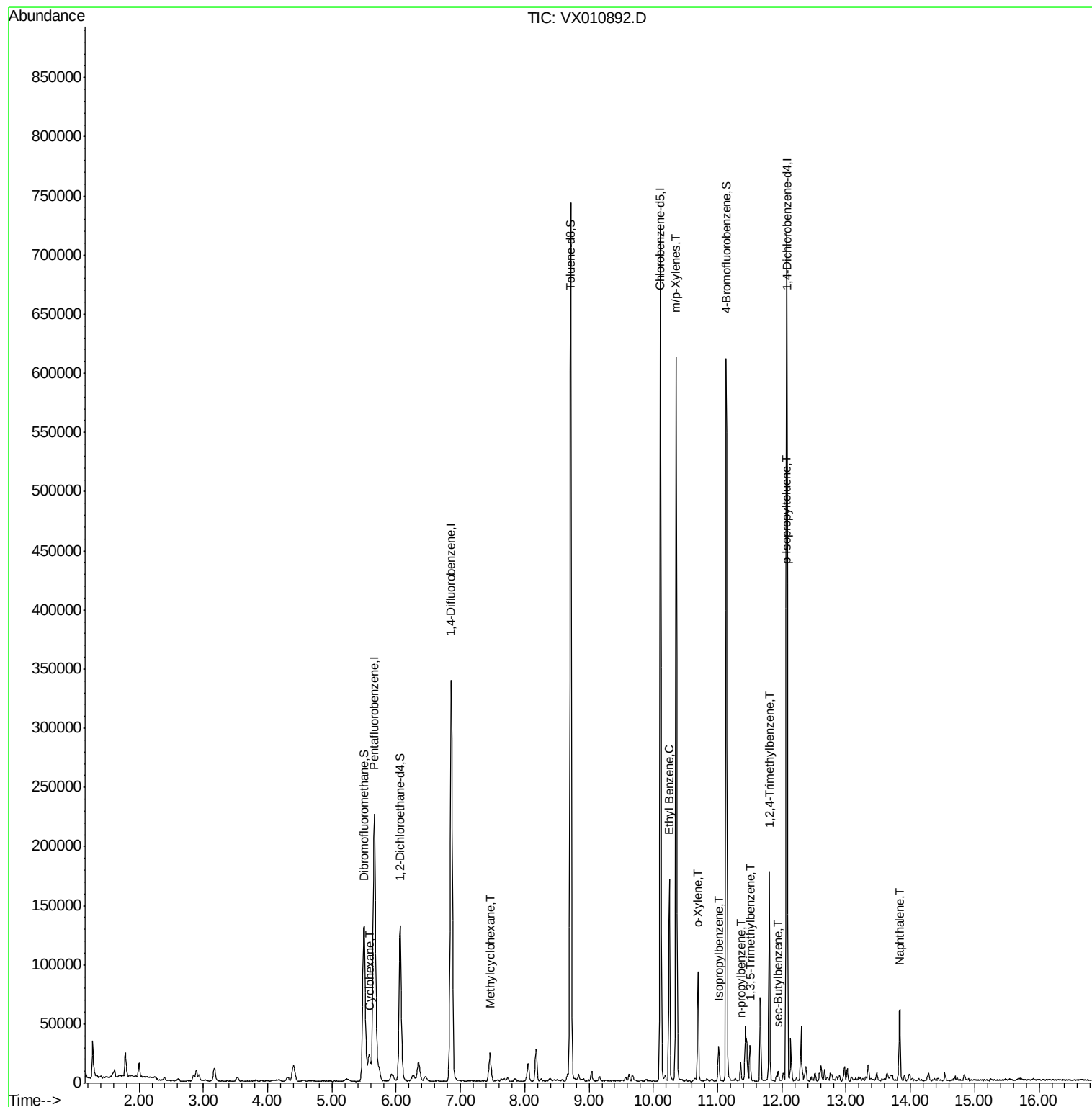
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071519\
Data File : VX010892.D
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Operator : JC/SP
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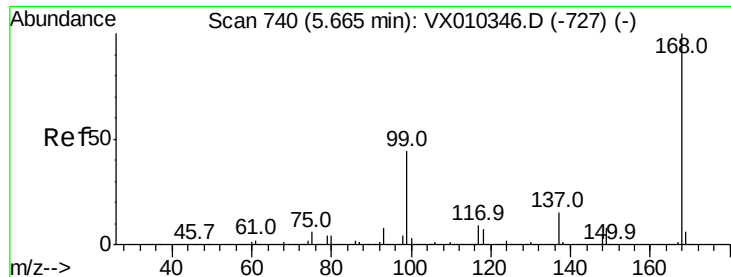
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jul 16 03:47:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Instrument :

MSVOA_X

ClientSampled :

FL-0598DL

Tot Ion:168 Resp: 229466

Ion Ratio Lower Upper

168 100

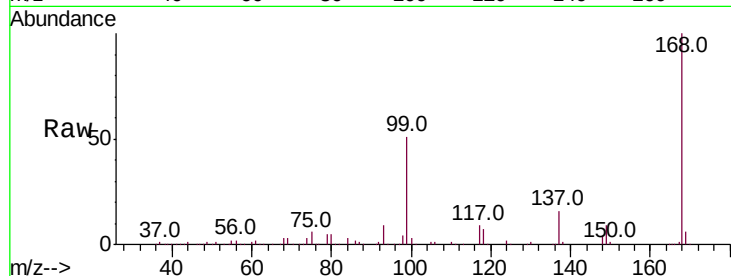
99 51.3 35.5 53.3

Manual Integrations

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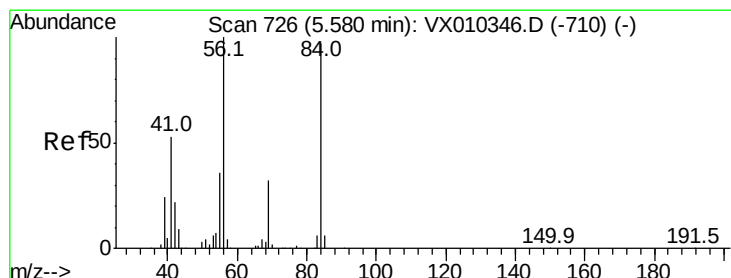
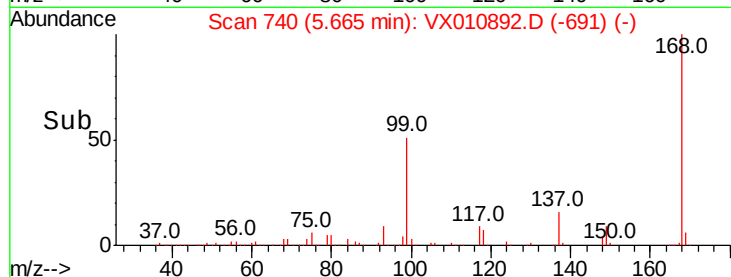
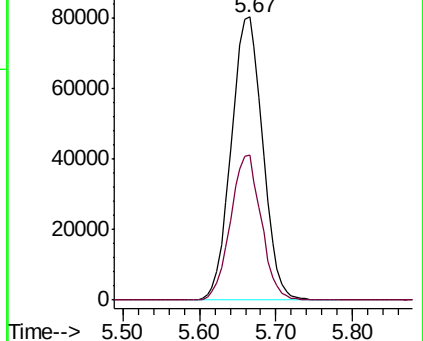
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 4.728 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

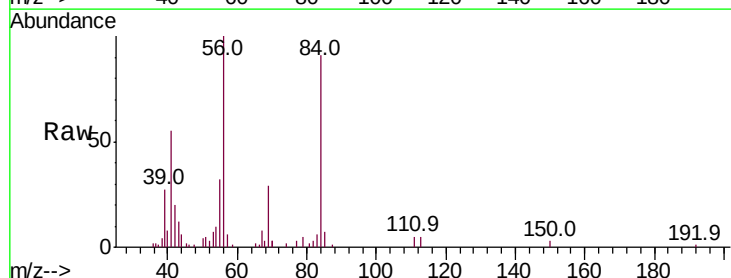
Tgt Ion: 56 Resp: 14694

Ion Ratio Lower Upper

56 100

69 29.2 25.9 38.9

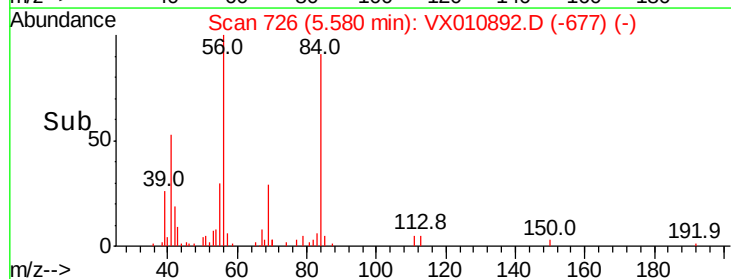
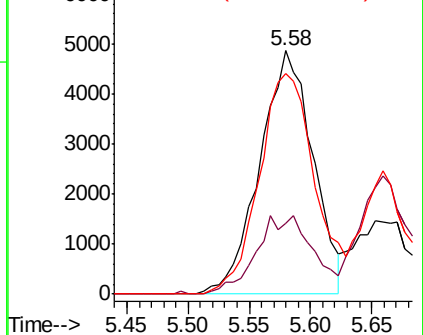
84 90.5 78.0 117.0

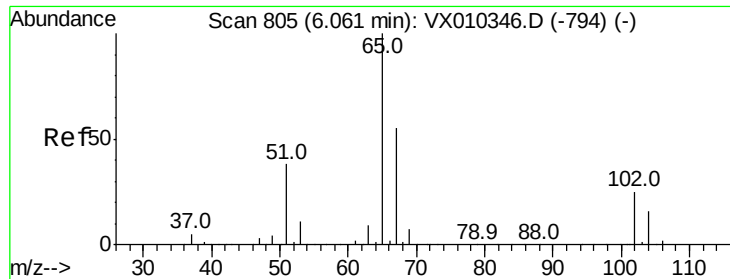


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





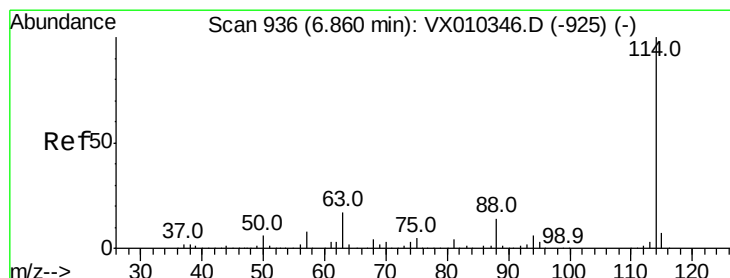
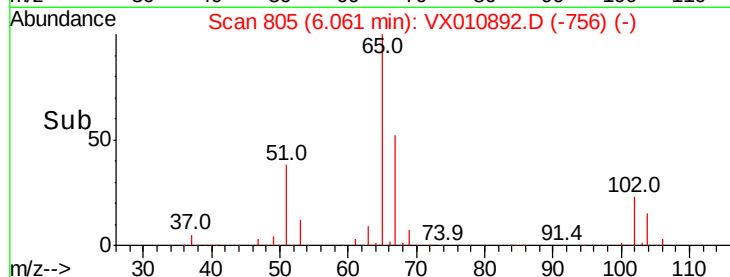
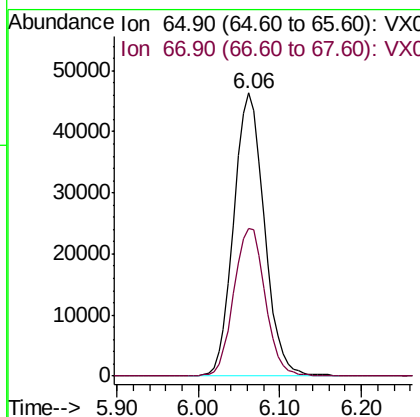
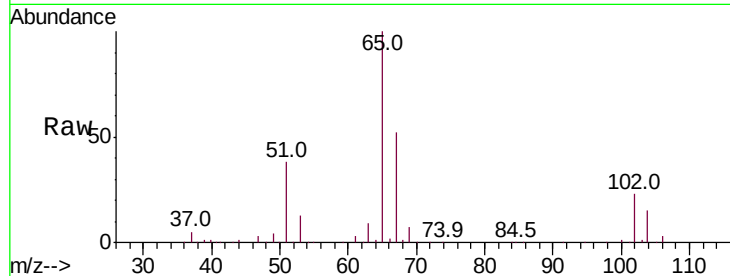
#33
 1,2-Dichloroethane-d4
 Concen: 55.851 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010892.D
 Acq: 15 Jul 2019 18:11

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0598DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120162		
67	53.7	0.0	110.2	

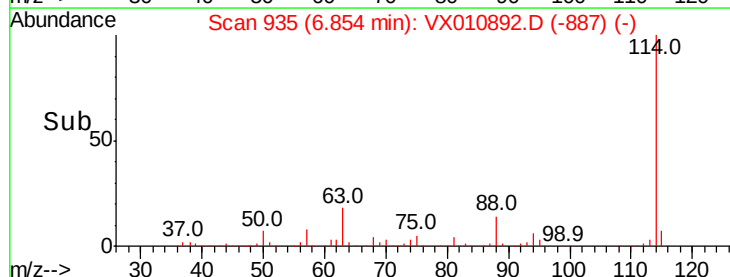
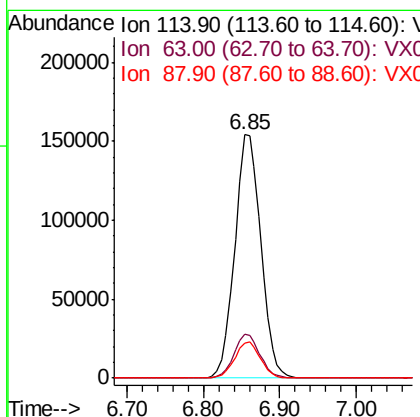
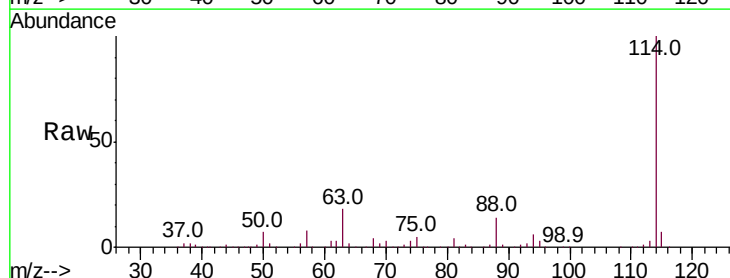
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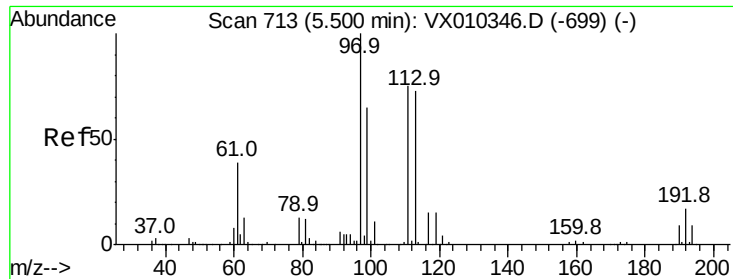
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010892.D
 Acq: 15 Jul 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	363441		
63	18.0	0.0	33.8	
88	14.4	0.0	27.6	





#35

Dibromofluoromethane

Concen: 50.424 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Instrument :

MSVOA_X

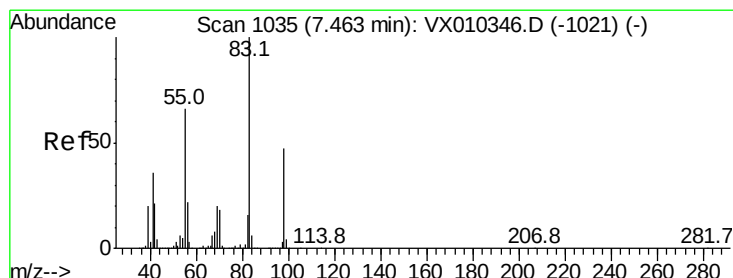
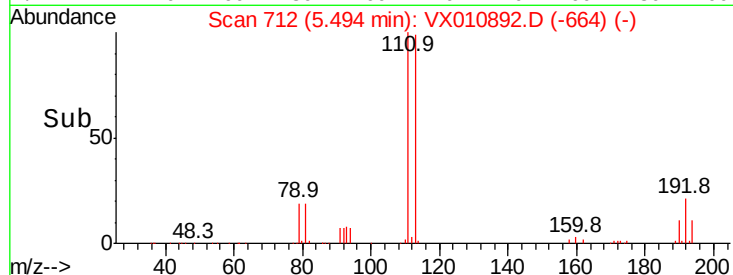
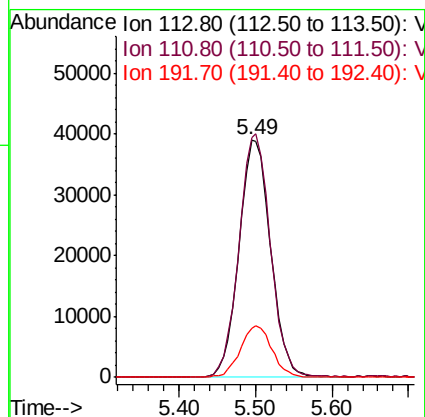
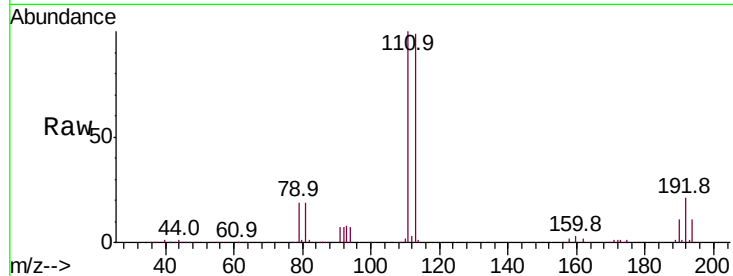
ClientSampled :

FL-0598DL

Tot Ion:	113	Resp:	112125
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.2	121.8
192	21.7	18.6	27.8

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#39

Methylcyclohexane

Concen: 2.793 ug/l

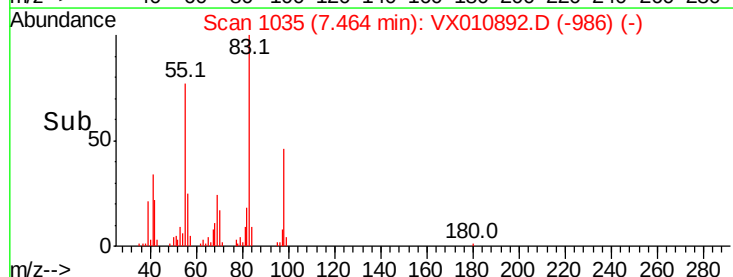
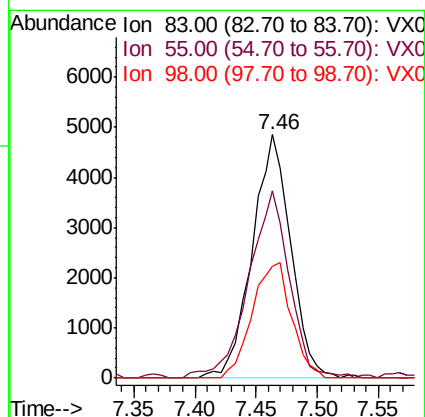
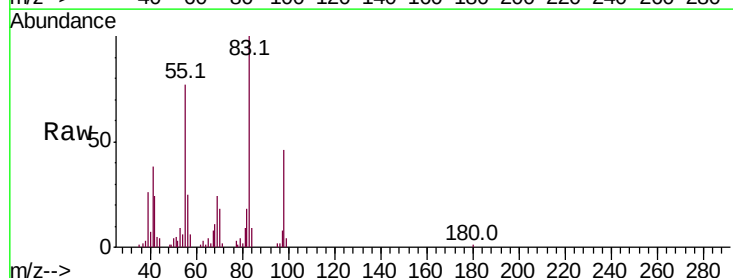
RT: 7.46 min Scan# 1035

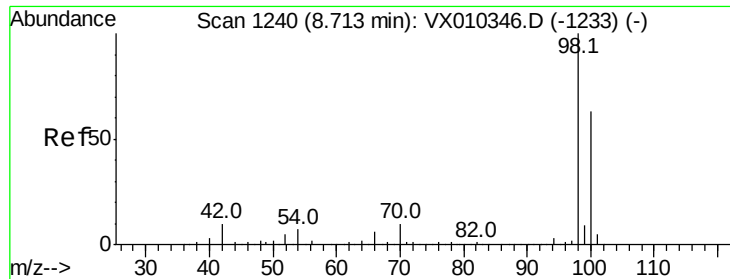
Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Tgt Ion:	83	Resp:	10605
Ion Ratio	Lower	Upper	
83	100		
55	75.8	53.0	79.6
98	46.1	37.8	56.8





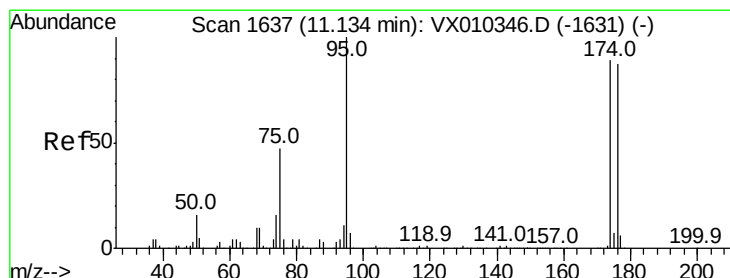
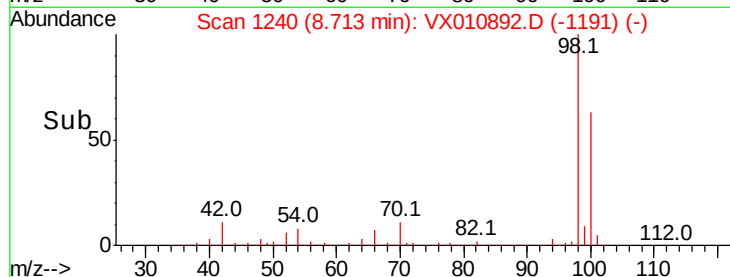
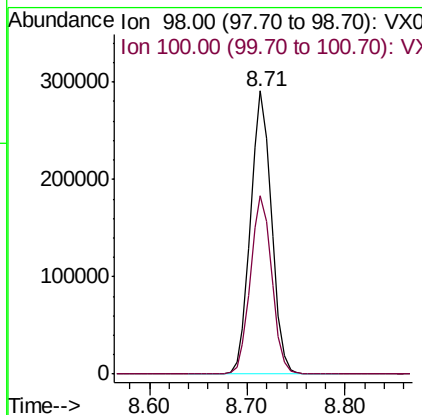
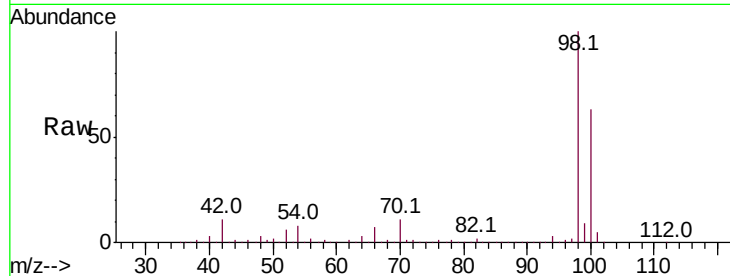
#50
Toluene-d8
Concen: 51.143 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010892.D
Acq: 15 Jul 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
FL-0598DL

Tot Ion: 98 Resp: 435087
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

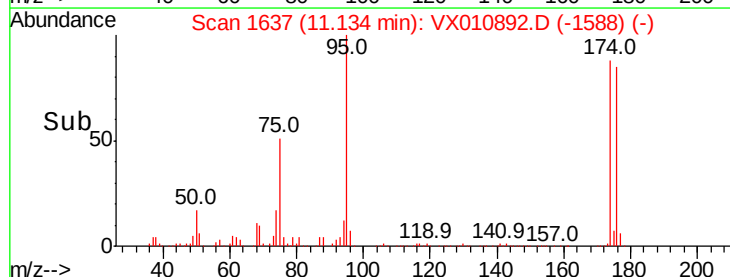
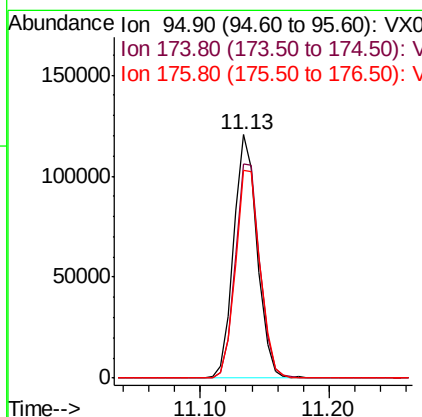
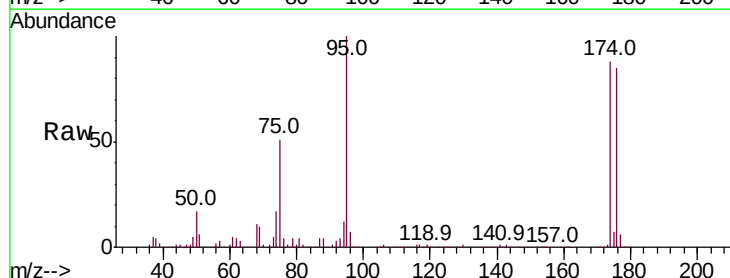
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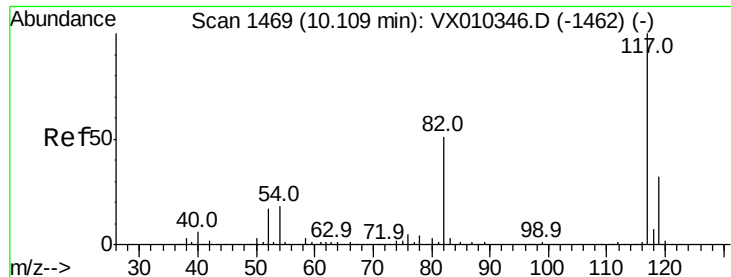
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#62
4-Bromofluorobenzene
Concen: 50.172 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010892.D
Acq: 15 Jul 2019 18:11

Tgt Ion: 95 Resp: 154098
Ion Ratio Lower Upper
95 100
174 91.1 0.0 187.6
176 88.9 0.0 184.0





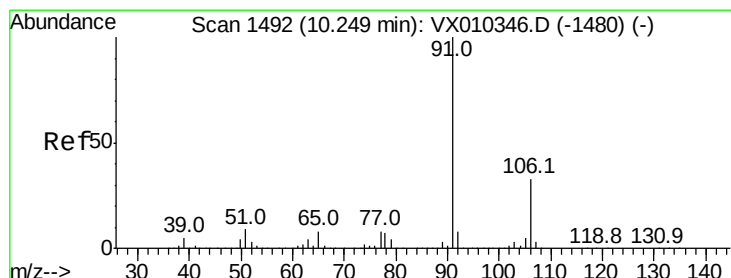
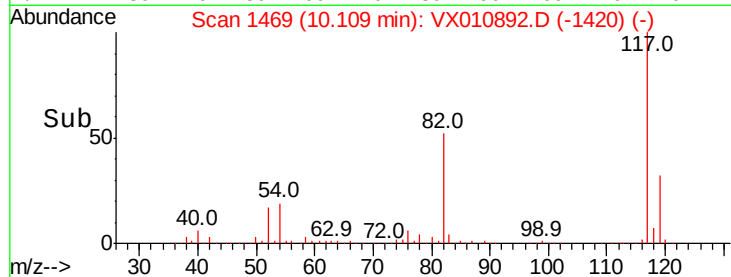
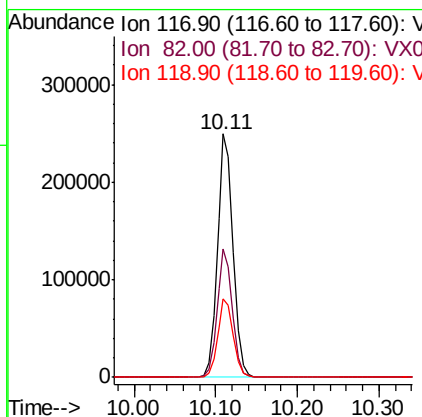
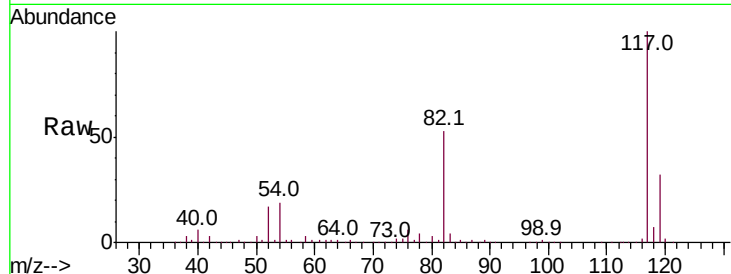
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010892.D
Acq: 15 Jul 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
FL-0598DL

Tot Ion:	117	Resp:	334253
Ion Ratio	Lower	Upper	
117	100		
82	52.5	41.2	61.8
119	32.3	25.5	38.3

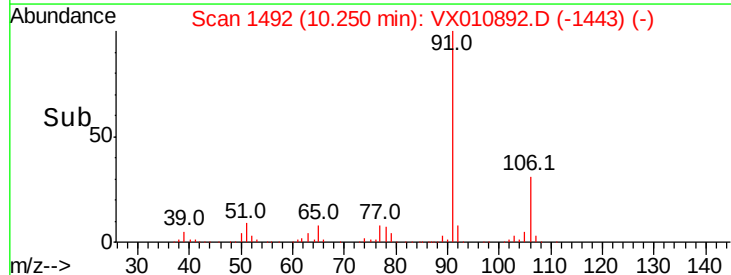
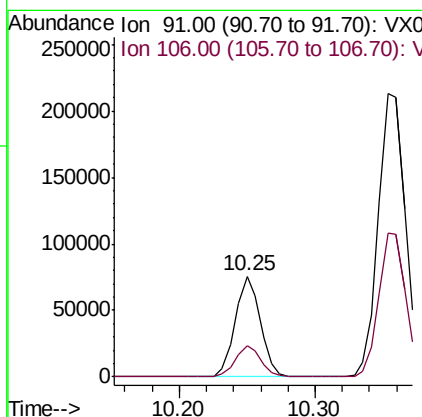
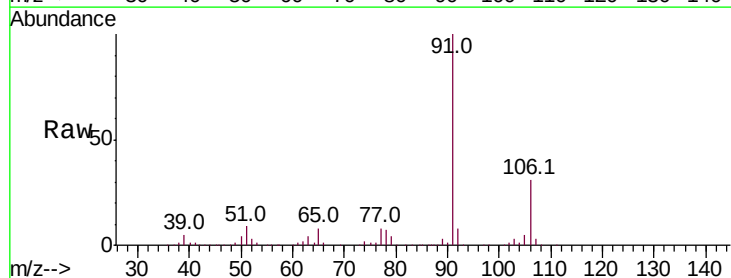
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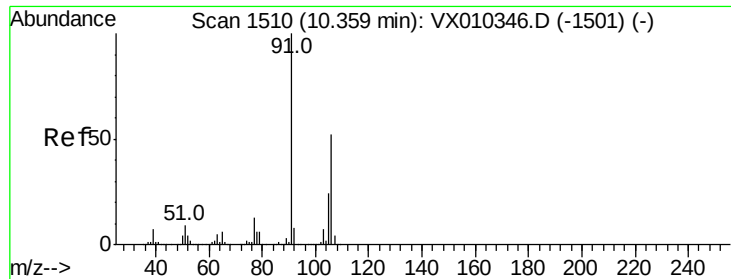
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#67
Ethyl Benzene
Concen: 8.530 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010892.D
Acq: 15 Jul 2019 18:11

Tgt Ion:	91	Resp:	97716
Ion Ratio	Lower	Upper	
91	100		
106	31.0	26.2	39.2





#68

m/p-Xylenes

Concen: 33.649 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

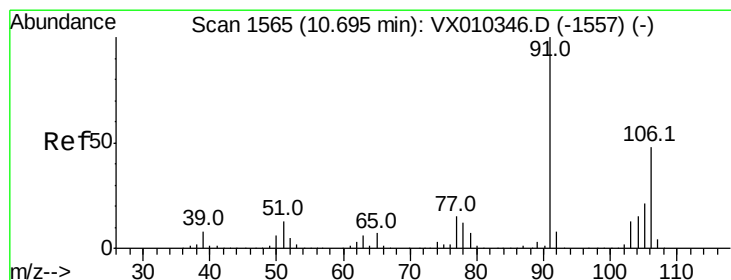
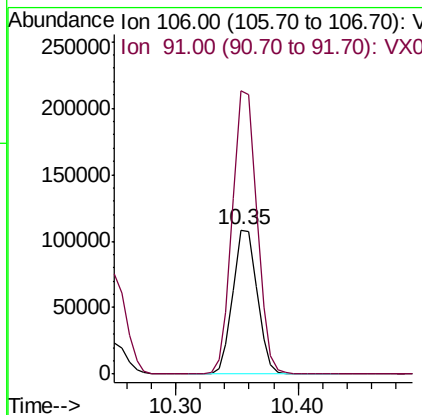
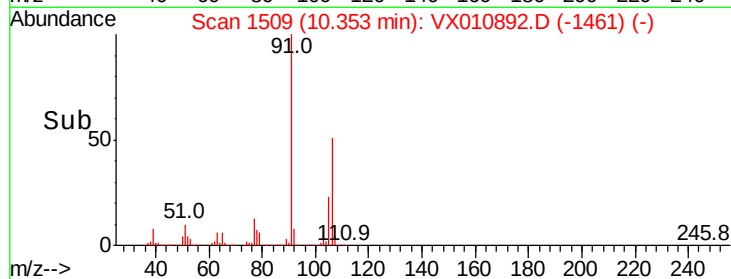
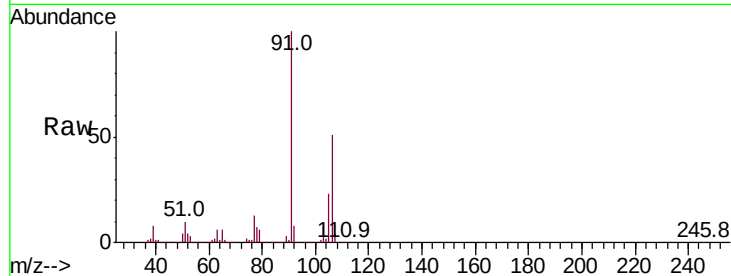
Instrument :
MSVOA_X
ClientSampleId :
FL-0598DL

Tot Ion:106 Resp: 149368

Ion	Ratio	Lower	Upper
106	100		
91	199.0	155.3	232.9

Manual Integrations
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7/16/2019 10:47:48 AM



#69

o-Xylene

Concen: 4.738 ug/l

RT: 10.70 min Scan# 1566

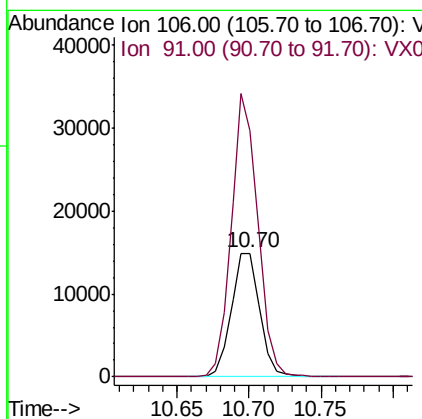
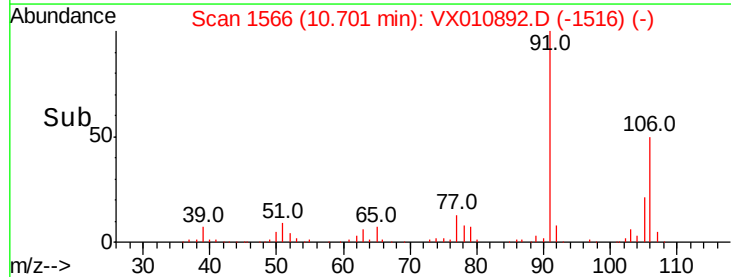
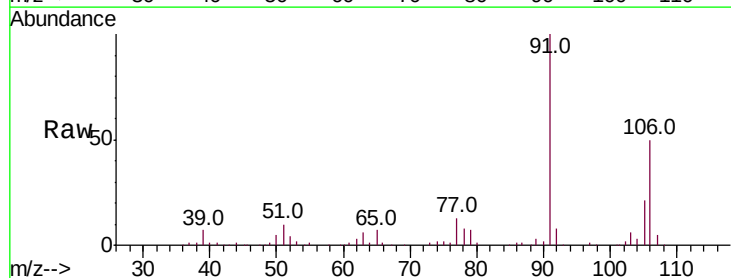
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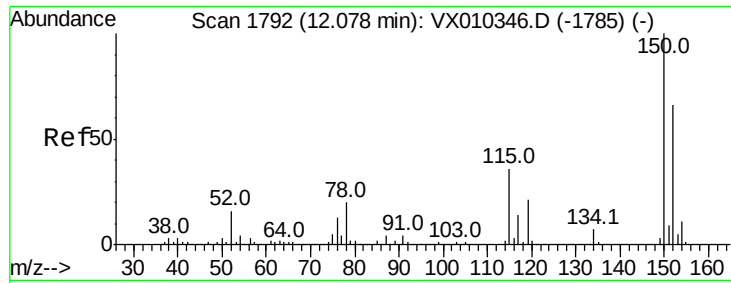
Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Tgt Ion:106 Resp: 20682

Ion	Ratio	Lower	Upper
106	100		
91	214.5	102.7	308.1





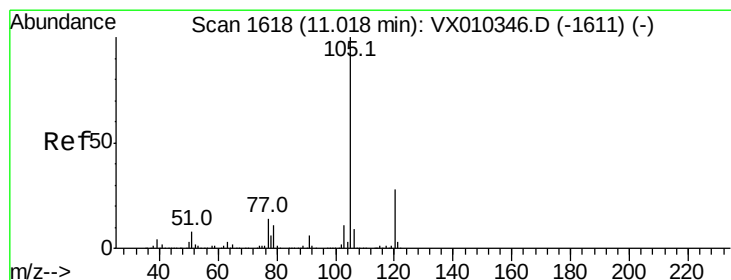
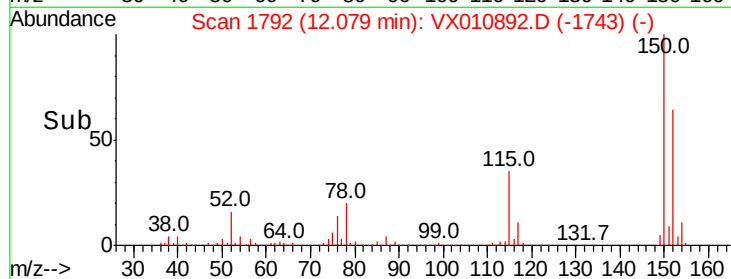
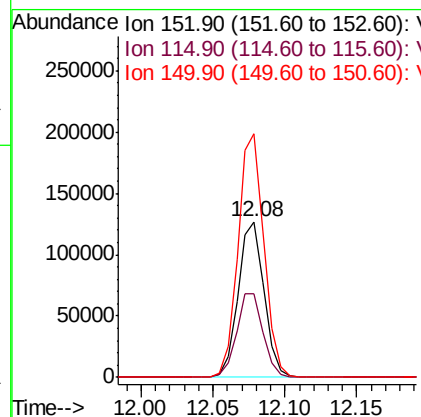
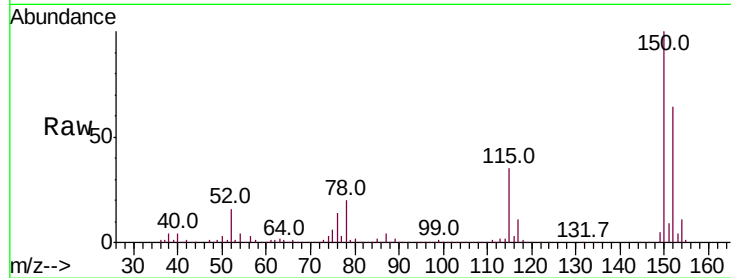
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX010892.D
 Acq: 15 Jul 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0598DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	159182		
115	55.5	38.6	115.7	
150	156.7	0.0	347.4	

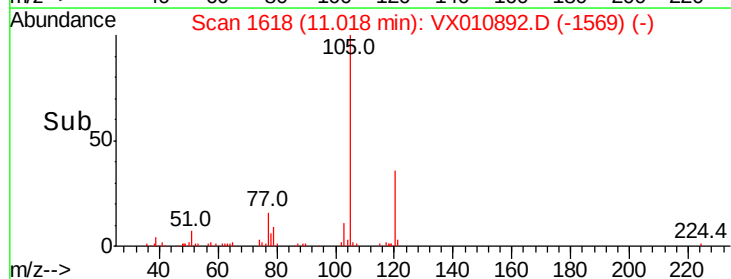
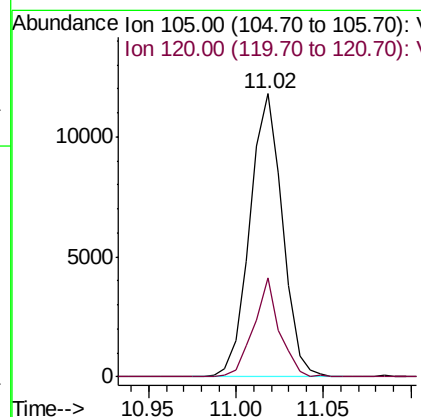
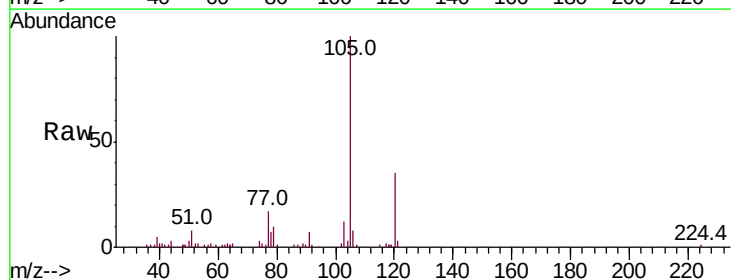
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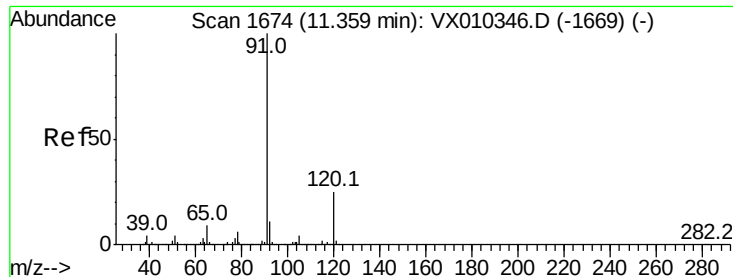
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#73
 Isopropylbenzene
 Concen: 1.417 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VX010892.D
 Acq: 15 Jul 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	15290		
120	27.3	14.1	42.4	





#78

n-propylbenzene

Concen: 0.732 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

FL-0598DL

Tot Ion: 91 Resp: 8678

Ion Ratio Lower Upper

91 100

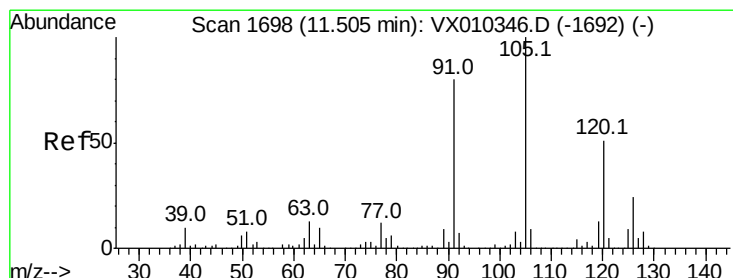
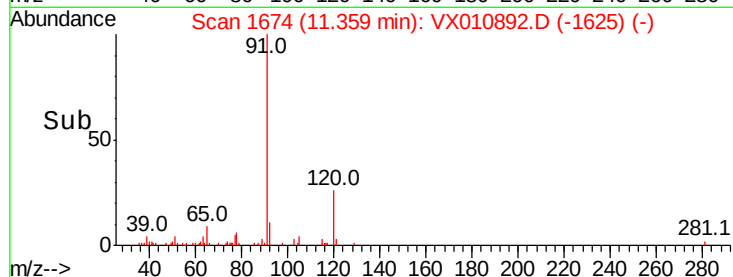
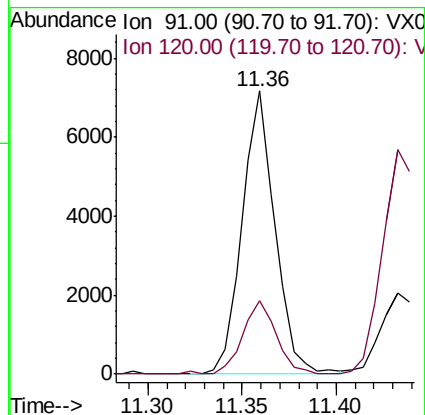
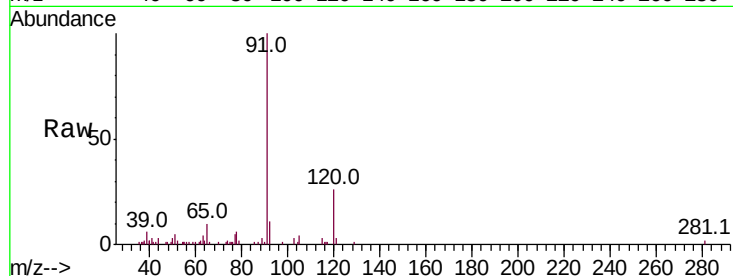
120 26.7 12.4 37.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 1.361 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010892.D

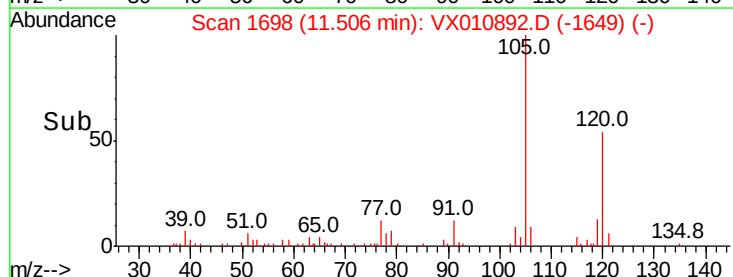
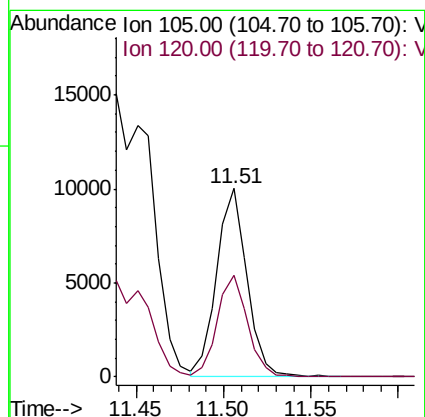
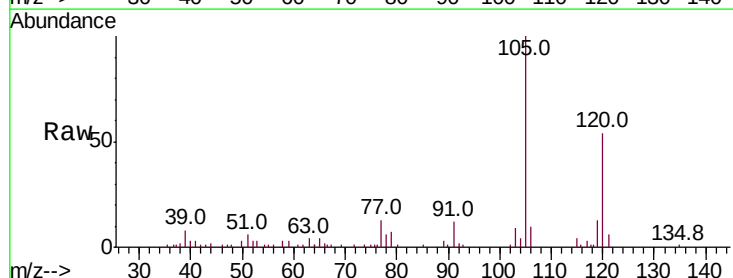
Acq: 15 Jul 2019 18:11

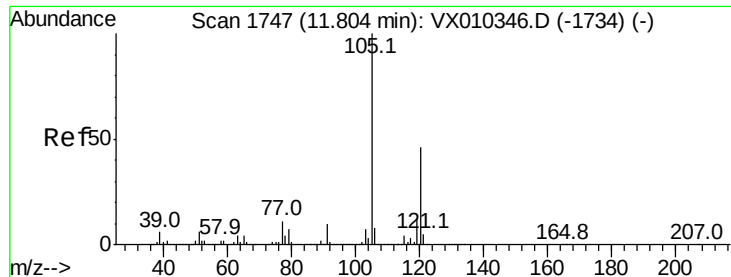
Tgt Ion: 105 Resp: 12111

Ion Ratio Lower Upper

105 100

120 53.8 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 8.591 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Instrument :

MSVOA_X

ClientSampled :

FL-0598DL

Tot Ion:105 Resp: 76778

Ion Ratio Lower Upper

105 100

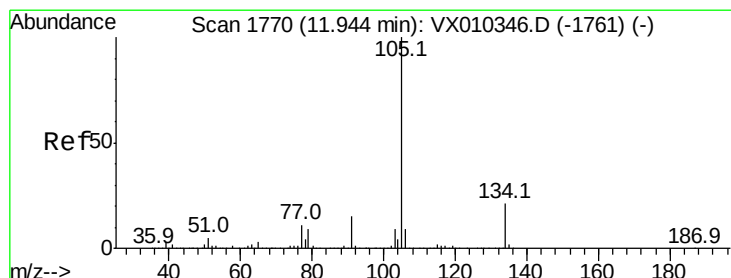
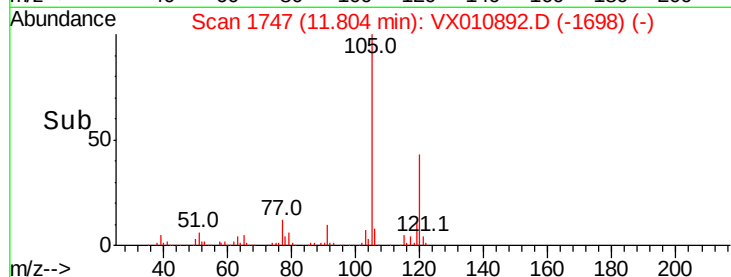
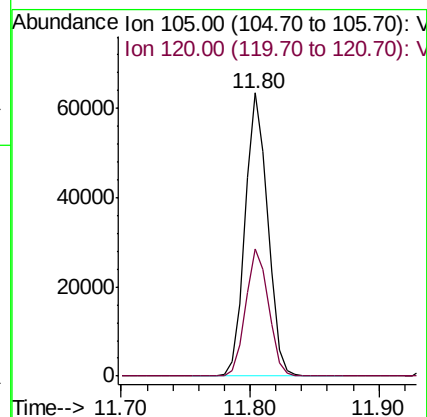
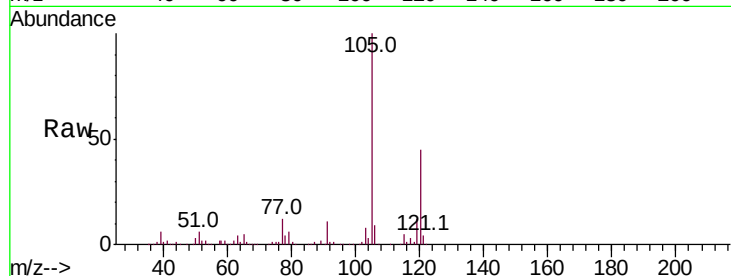
120 45.4 23.1 69.2

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:47:48 AM



#85

sec-Butylbenzene

Concen: 0.406 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010892.D

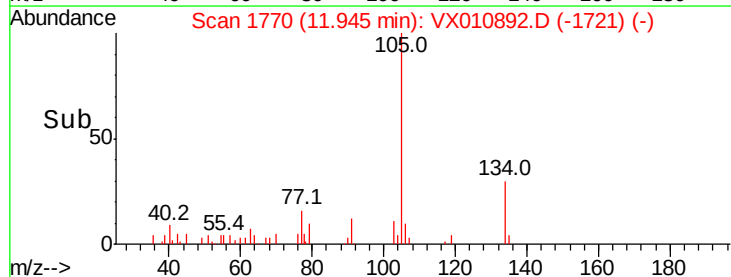
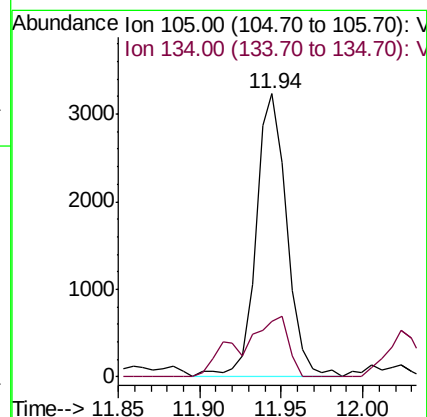
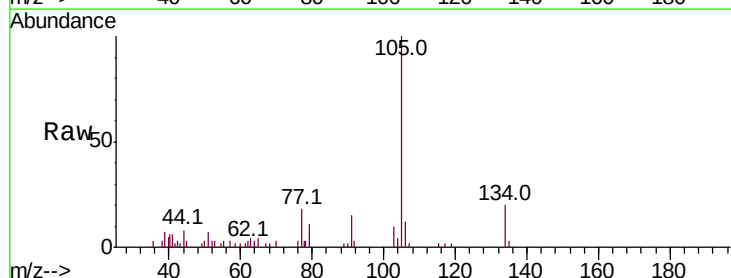
Acq: 15 Jul 2019 18:11

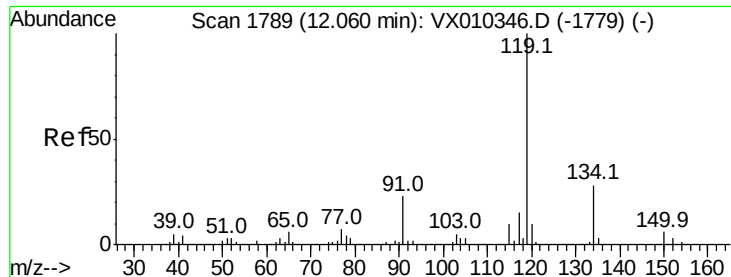
Tgt Ion:105 Resp: 4253

Ion Ratio Lower Upper

105 100

134 33.2 10.7 31.9#





#86

p-Isopropyltoluene

Concen: 0.266 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

FL-0598DL

Tot Ion:119 Resp: 2578

Ion Ratio Lower Upper

119 100

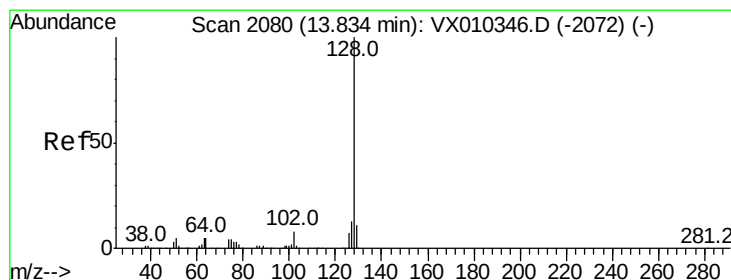
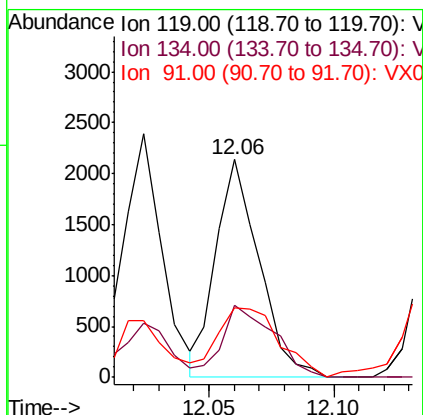
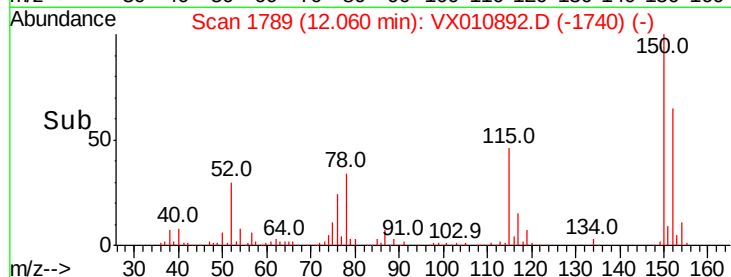
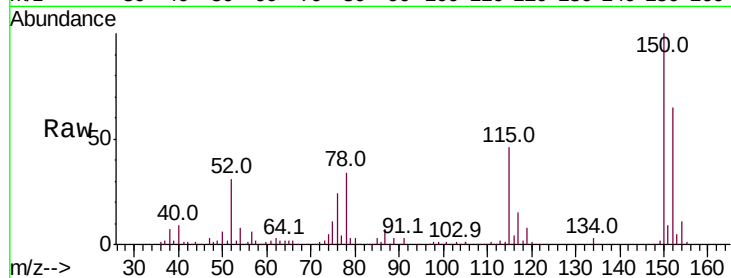
134 27.8 13.7 41.1

91 28.7 11.3 33.8

Manual Integrations
APPROVED

MMDadoda

7/16/2019 10:47:48 AM



#95

Naphthalene

Concen: 3.549 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010892.D

Acq: 15 Jul 2019 18:11

Tgt Ion:128 Resp: 39531

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 11.5 8.9 13.3

