

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010915.D
 Acq On : 16 Jul 2019 18:38
 Operator : JC/SP
 Sample : K3791-13DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604DL

Manual Integrations
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 7/17/2019 1:22:55 PM

Quant Time: Jul 17 05:31:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	222992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157218	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115653	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
35) Dibromofluoromethane	5.50	113	107667	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	421386	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.13	95	148585	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	115034	35.713	ug/l	96
39) Methylcyclohexane	7.46	83	135269	36.355	ug/l	99
67) Ethyl Benzene	10.25	91	103304	9.025	ug/l	97
68) m/p-Xylenes	10.36	106	28864	6.574	ug/l	98
73) Isopropylbenzene	11.02	105	47946	4.513	ug/l	99
78) n-propylbenzene	11.36	91	105249	8.967	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	33554	3.780	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	166376	18.596	ug/l	100
85) sec-Butylbenzene	11.94	105	15195	1.487	ug/l	84
86) p-Isopropyltoluene	12.06	119	11860	1.256	ug/l	97
89) n-Butylbenzene	12.38	91	8988m	1.112	ug/l	
95) Naphthalene	13.83	128	25925	2.570	ug/l	98

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

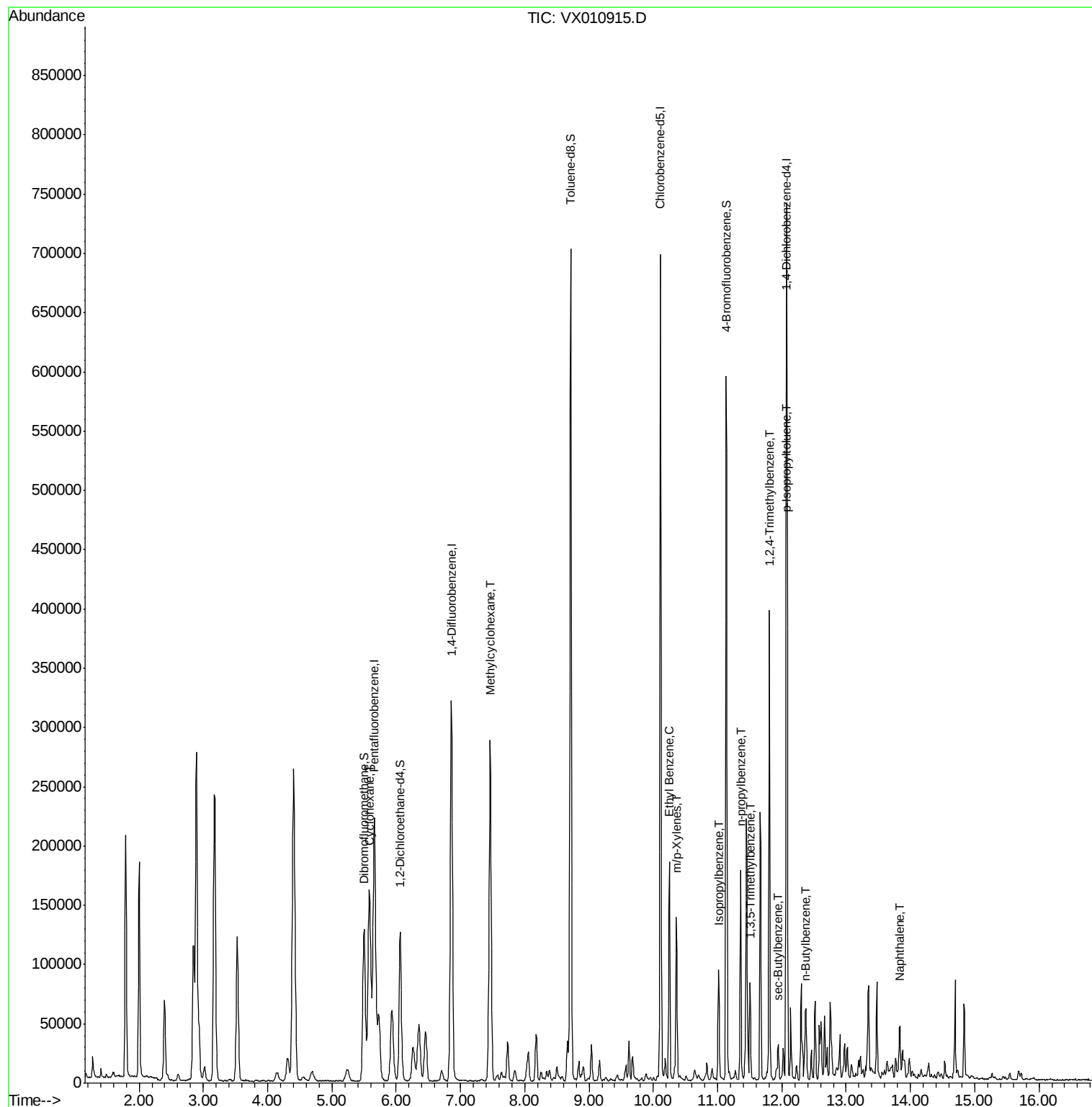
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071619\
Data File : VX010915.D
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Operator : JC/SP
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ALS Vial : 18 Sample Multiplier: 1

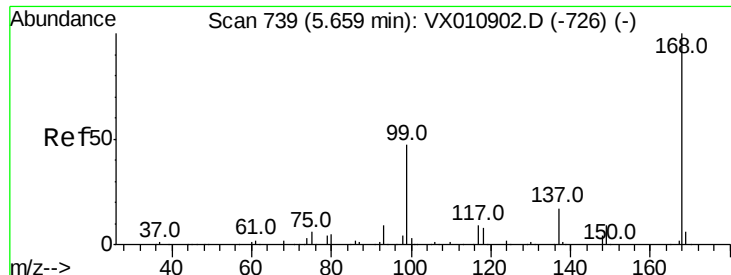
Instrument :
MSVOA_X
ClientSampleId :
FL-0604DL

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Quant Time: Jul 17 05:31:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 04:37:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0604DL

Tot Ion:168 Resp: 222992

Ion Ratio Lower Upper

168 100

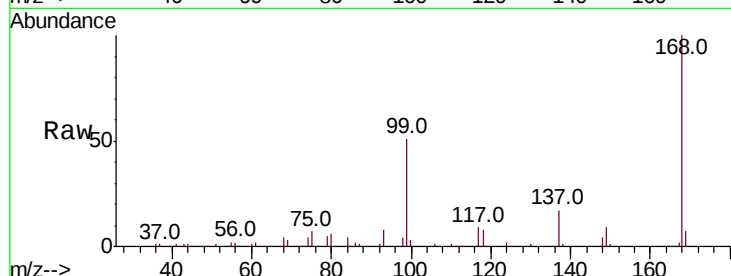
99 50.5 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

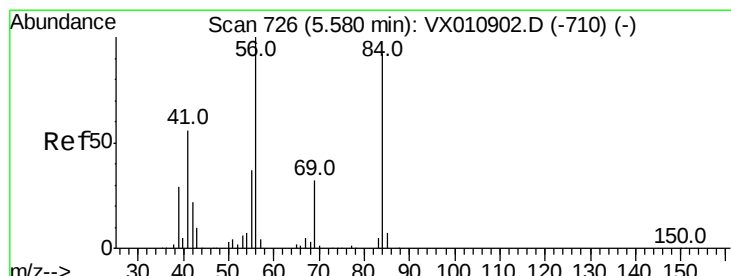
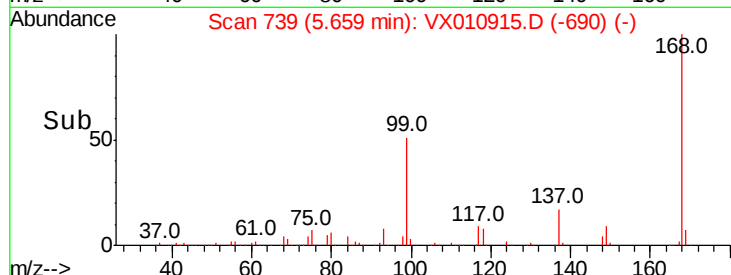
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 35.713 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

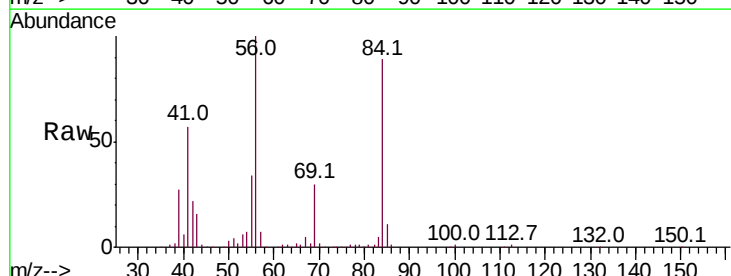
Tgt Ion: 56 Resp: 115034

Ion Ratio Lower Upper

56 100

69 29.5 25.8 38.8

84 89.1 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.59

40000

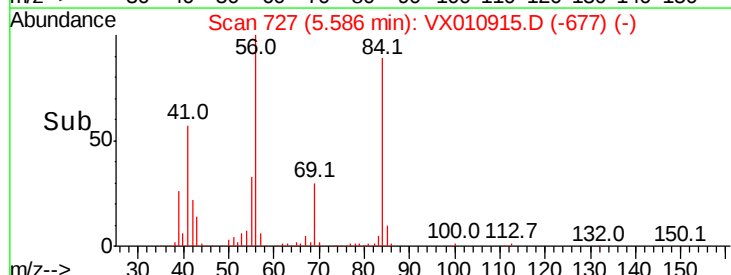
30000

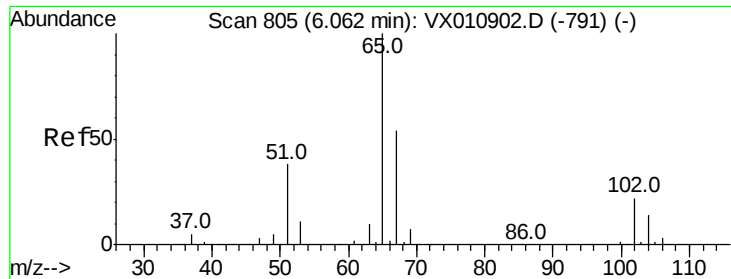
20000

10000

0

Time--> 5.40 5.50 5.60 5.70





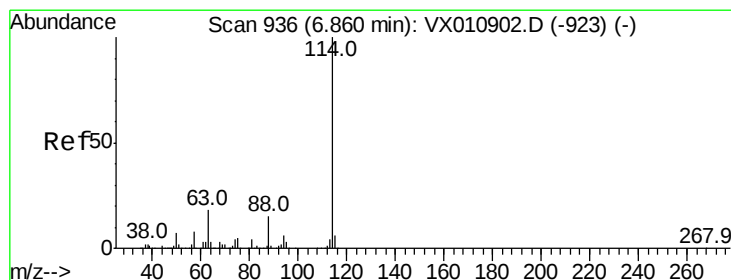
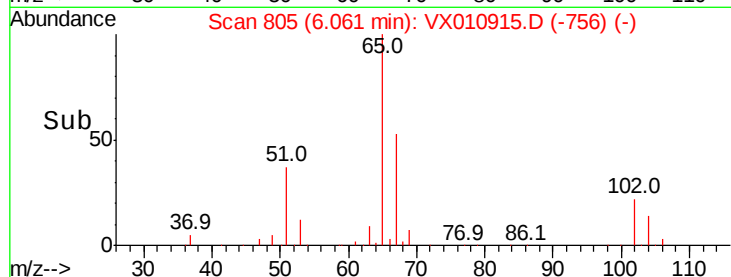
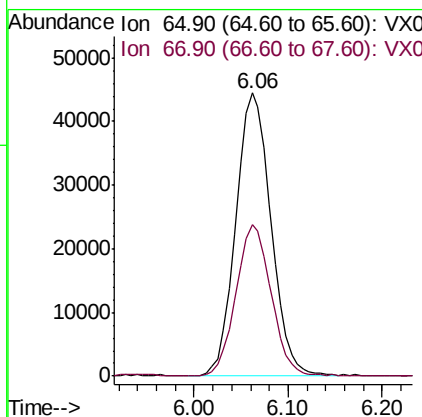
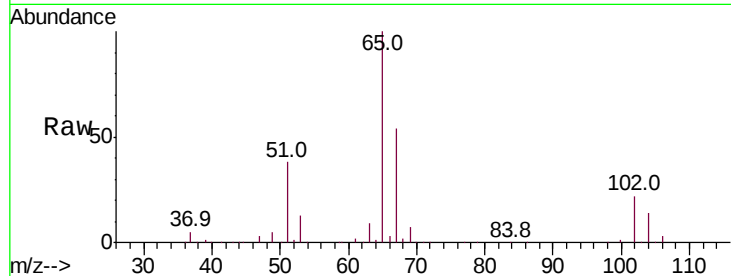
#33
 1,2-Dichloroethane-d4
 Concen: 48.752 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010915.D
 Acq: 16 Jul 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0604DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107.8	

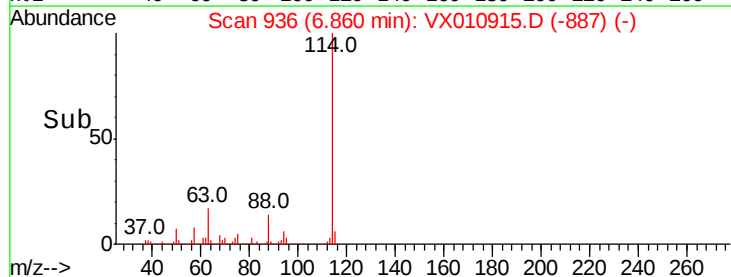
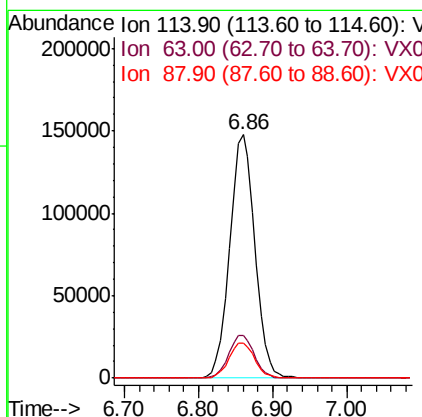
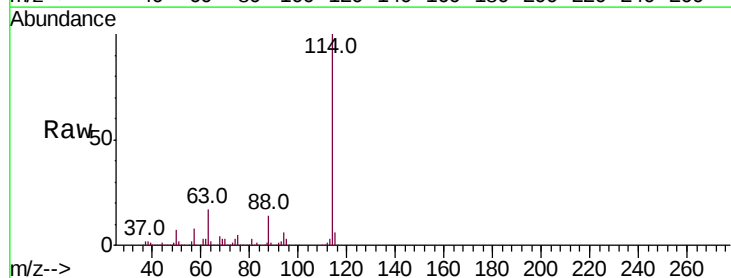
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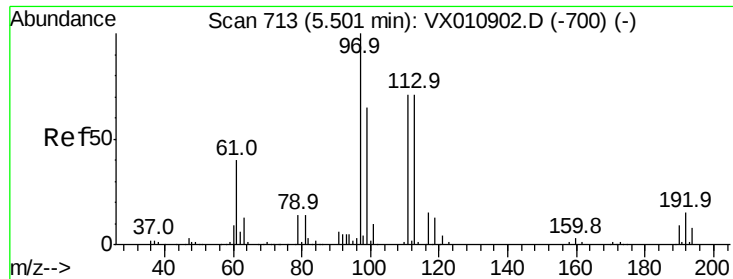
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010915.D
 Acq: 16 Jul 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.4	0.0	35.6	
88	14.1	0.0	29.8	





#35

Dibromofluoromethane

Concen: 48.563 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_X

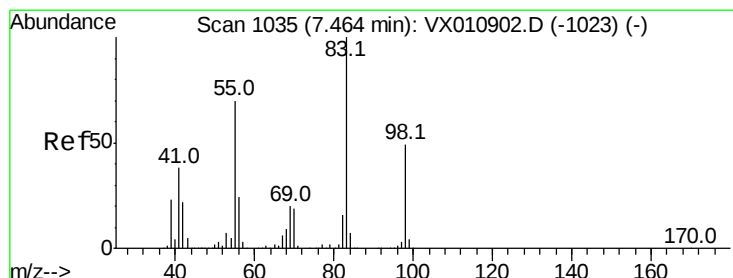
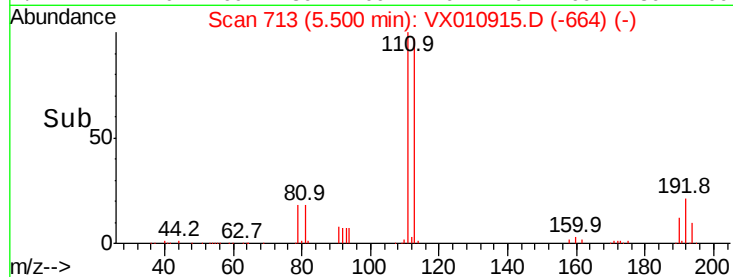
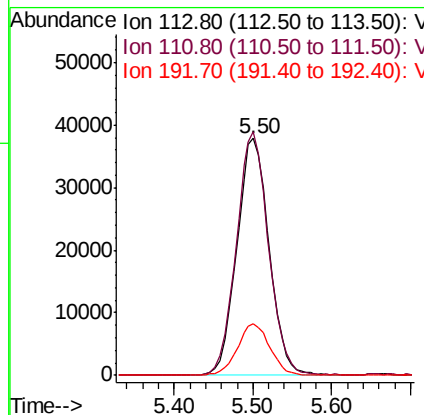
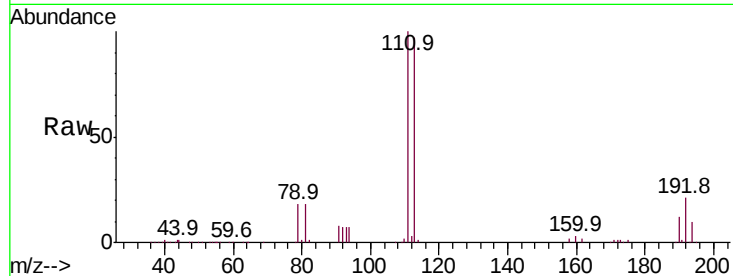
ClientSampled :

FL-0604DL

Tot Ion:	113	Resp:	107667
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.3	123.5
192	21.8	17.4	26.2

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#39

Methylcyclohexane

Concen: 36.355 ug/l

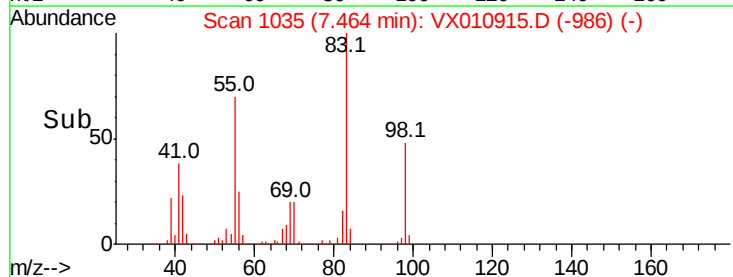
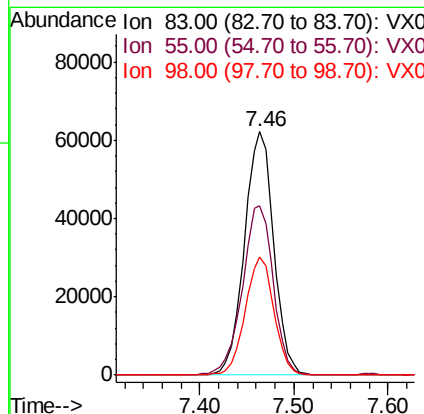
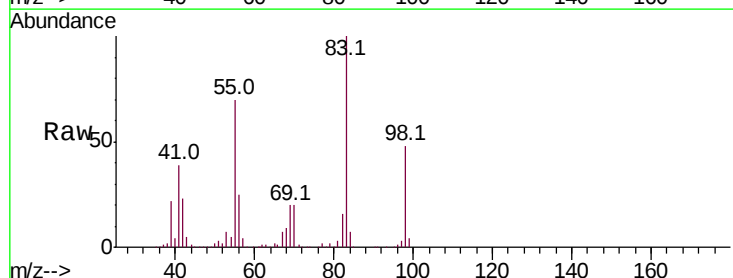
RT: 7.46 min Scan# 1035

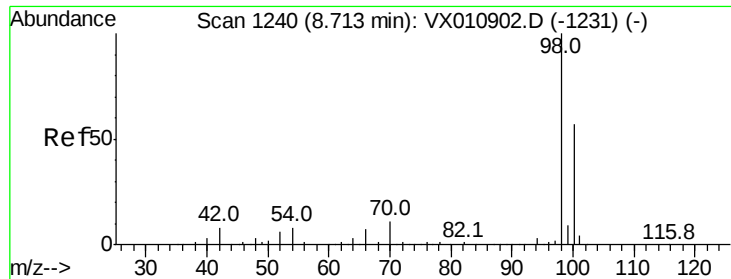
Delta R.T. -0.00 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

Tgt Ion:	83	Resp:	135269
Ion Ratio	Lower	Upper	
83	100		
55	69.6	56.2	84.4
98	48.3	39.0	58.4





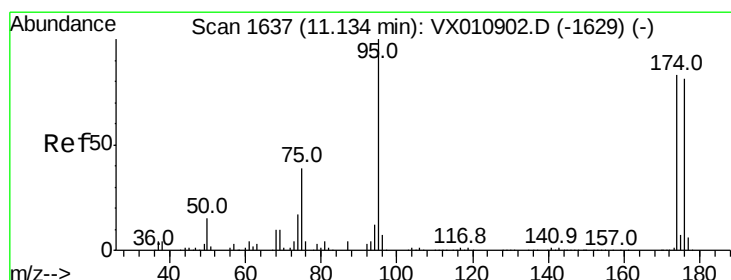
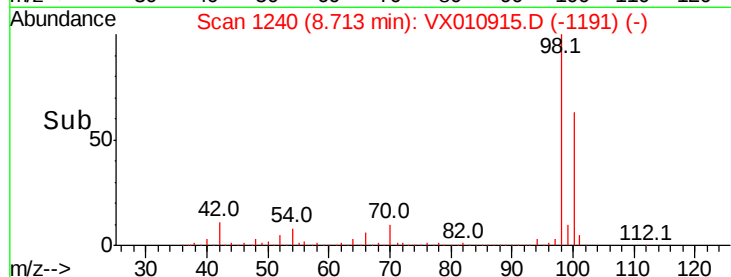
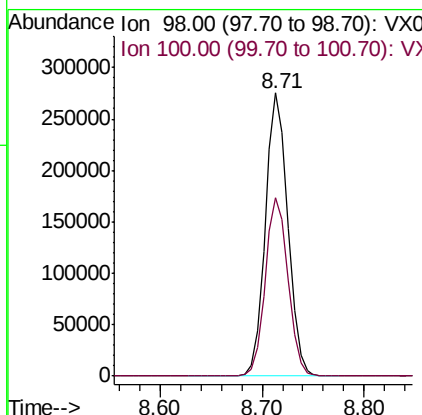
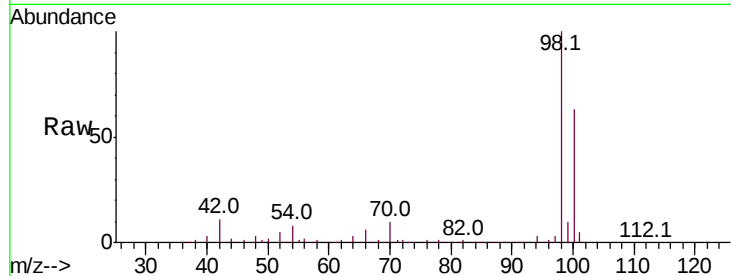
#50
Toluene-d8
Concen: 50.675 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
FL-0604DL

Tot Ion: 98 Resp: 421386
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8

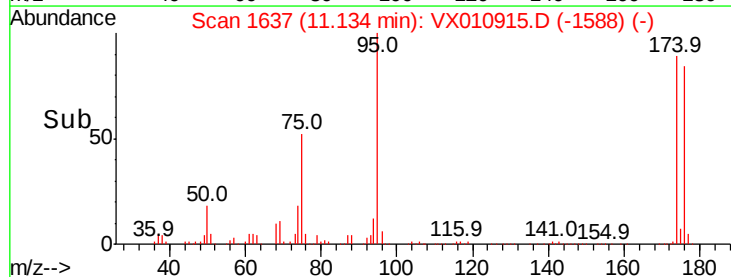
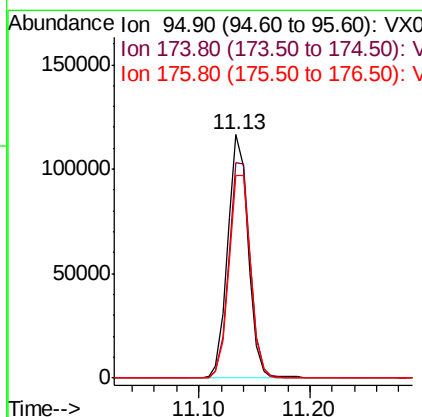
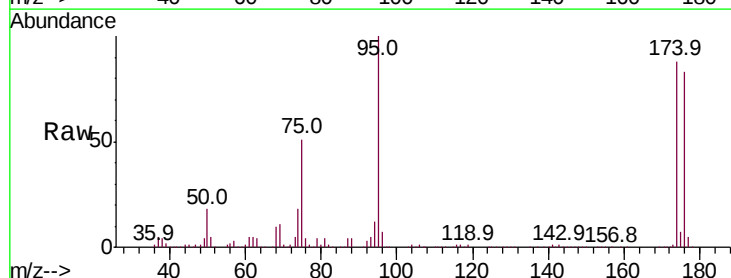
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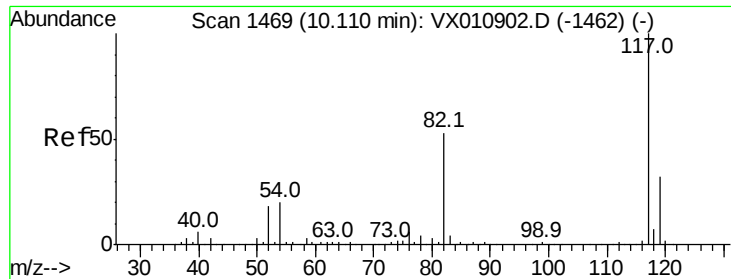
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#62
4-Bromofluorobenzene
Concen: 48.613 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Tgt Ion: 95 Resp: 148585
Ion Ratio Lower Upper
95 100
174 92.3 0.0 180.6
176 87.9 0.0 173.8





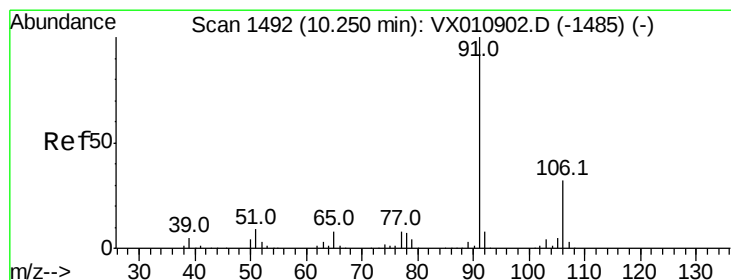
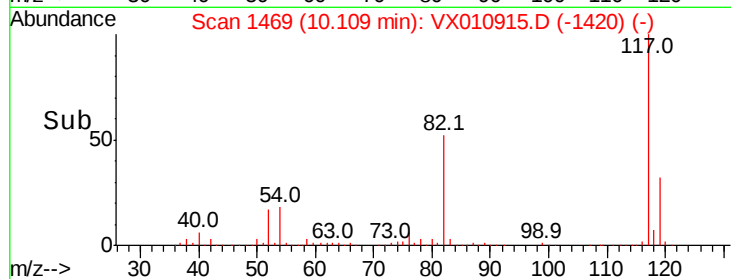
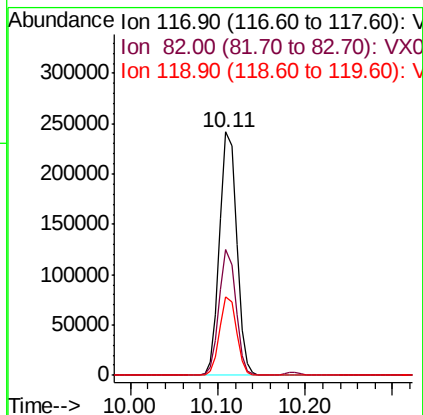
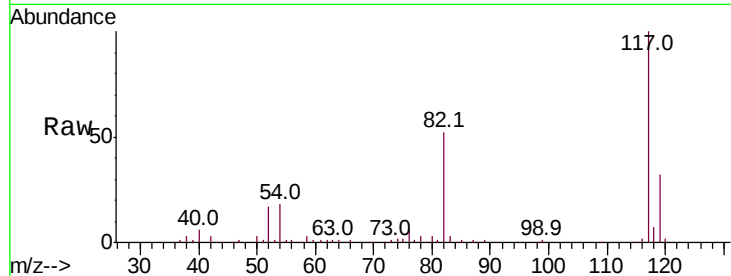
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
FL-0604DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.6	63.8
119	32.4	25.9	38.9

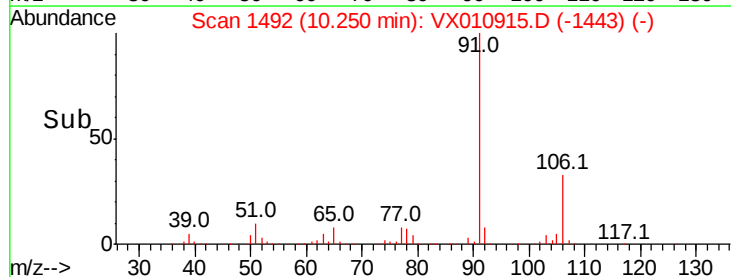
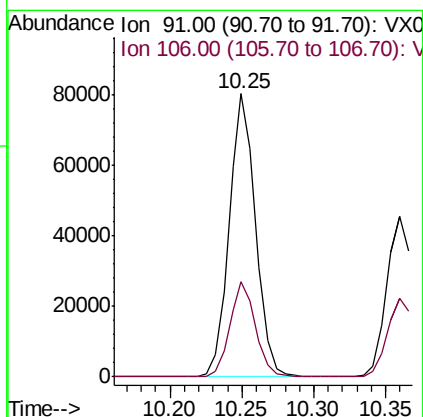
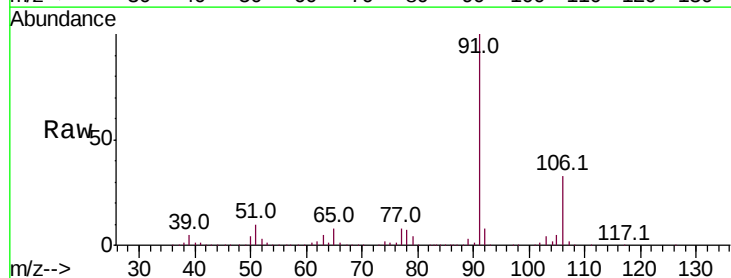
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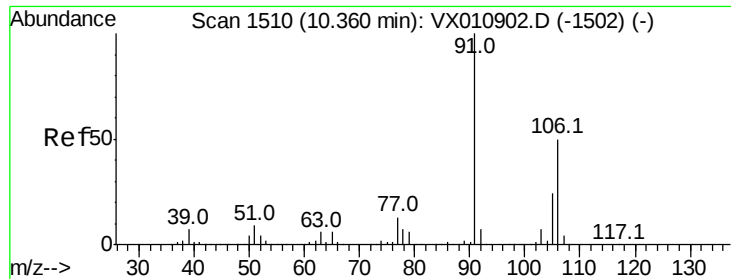
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7/17/2019 1:22:55 PM



#67
Ethyl Benzene
Concen: 9.025 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.4	38.2





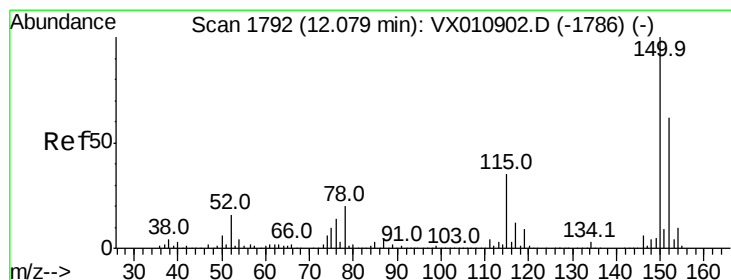
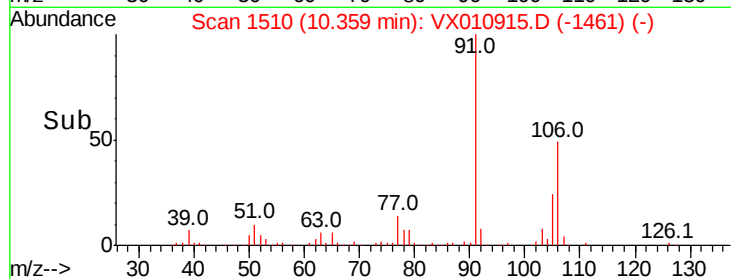
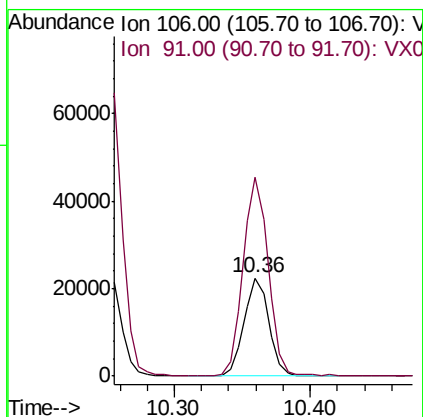
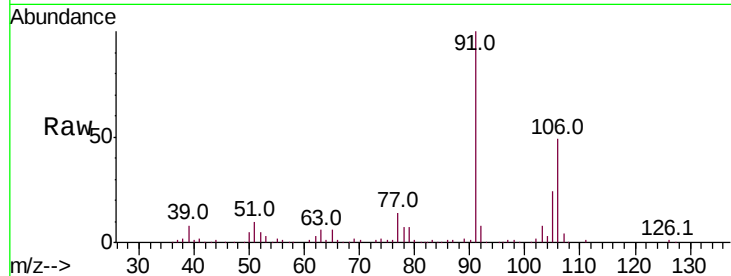
#68
m/p-Xvlenes
Concen: 6.574 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
FL-0604DL

Tot Ion:106 Resp: 28864
Ion Ratio Lower Upper
106 100
91 203.7 160.1 240.1

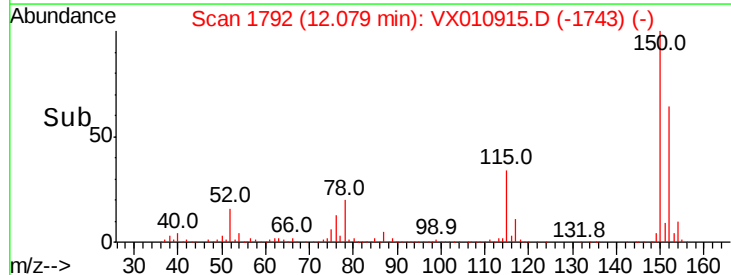
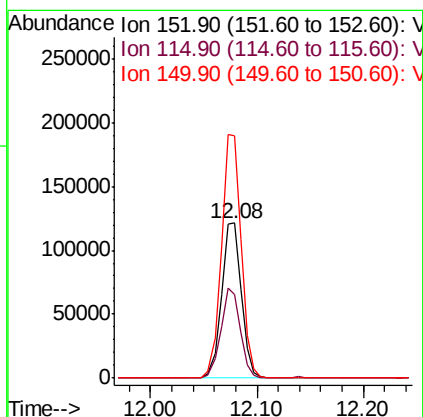
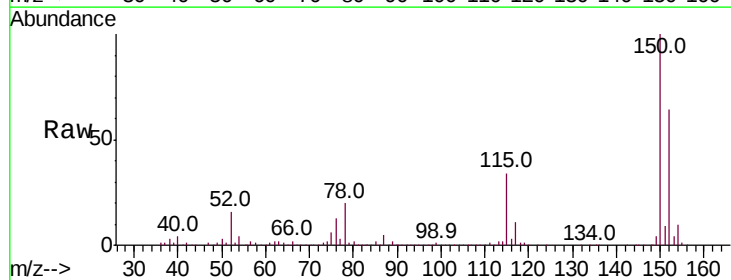
Manual Integrations
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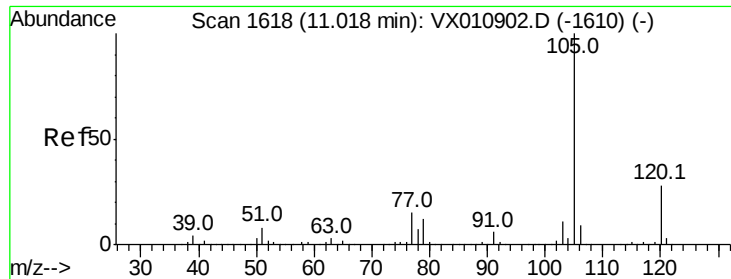
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7/17/2019 1:22:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Tgt Ion:152 Resp: 157218
Ion Ratio Lower Upper
152 100
115 56.1 39.7 119.1
150 156.6 0.0 345.6





#73

Isopropylbenzene

Concen: 4.513 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0604DL

Tot Ion: 105 Resp: 47946

Ion Ratio Lower Upper

105 100

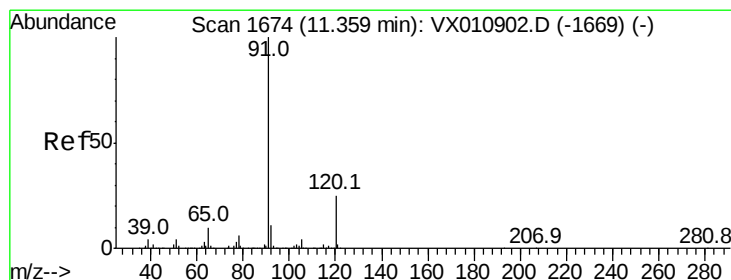
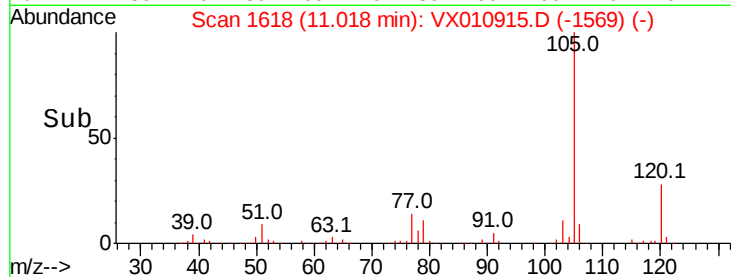
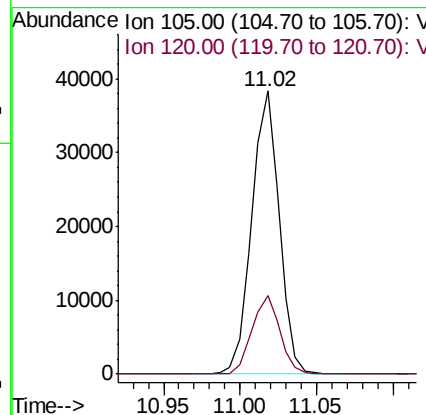
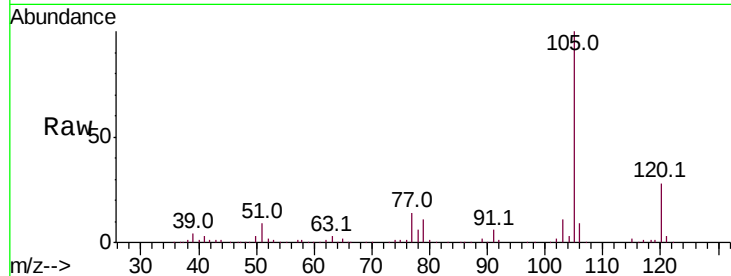
120 28.1 13.7 41.1

Manual Integrations

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#78

n-propylbenzene

Concen: 8.967 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010915.D

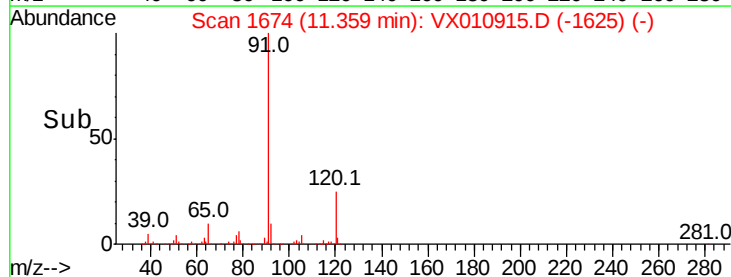
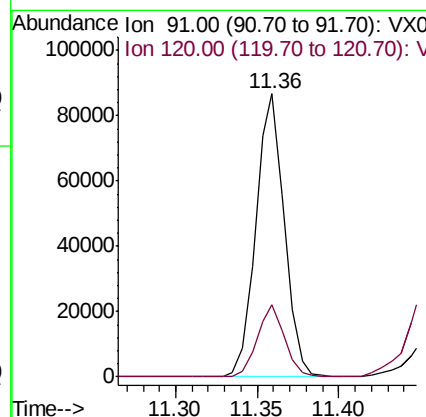
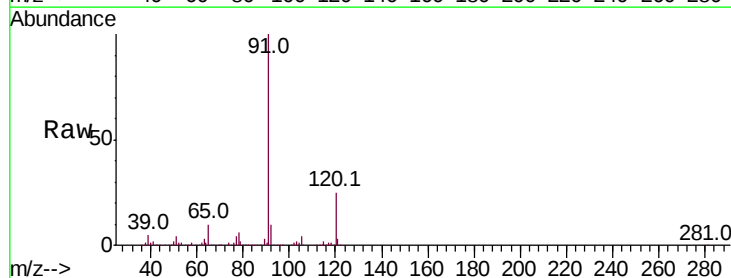
Acq: 16 Jul 2019 18:38

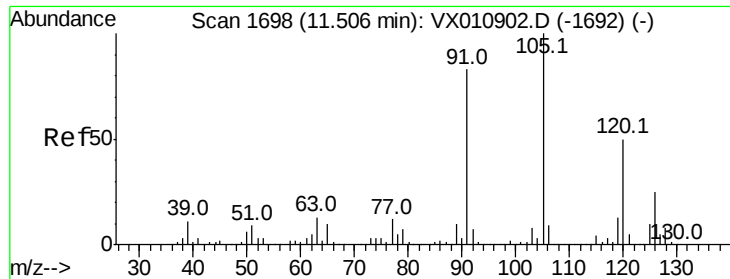
Tgt Ion: 91 Resp: 105249

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.8





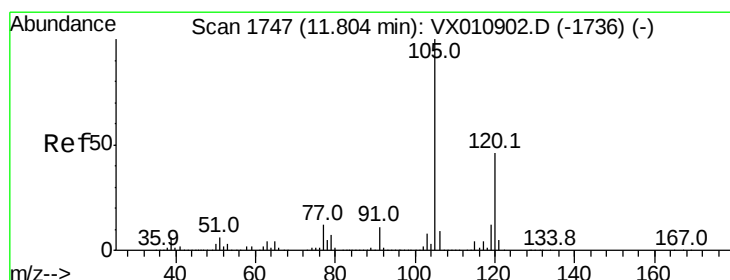
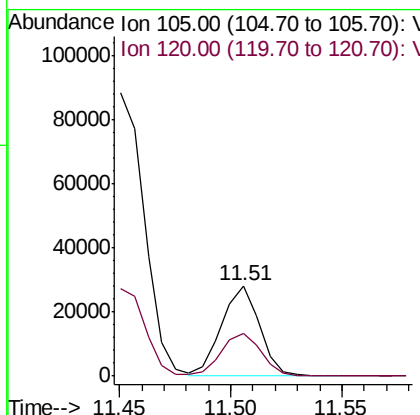
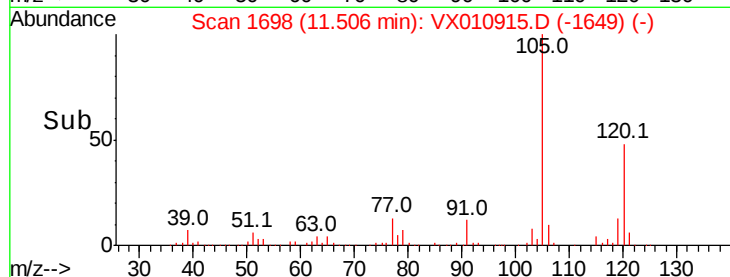
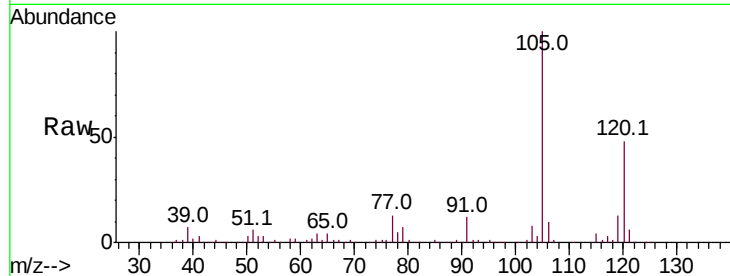
#80
 1,3,5-Trimethylbenzene
 Concen: 3.780 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010915.D
 Acq: 16 Jul 2019 18:38

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0604DL

Tot Ion:105 Resp: 33554
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 73.8

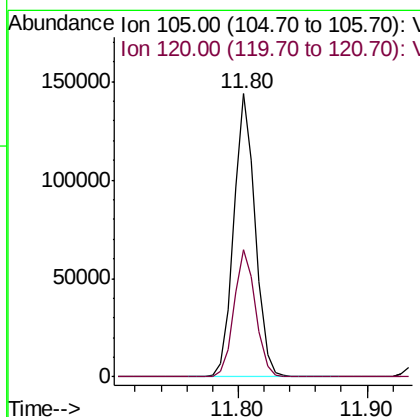
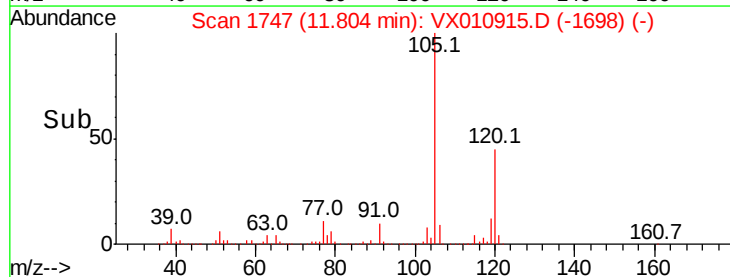
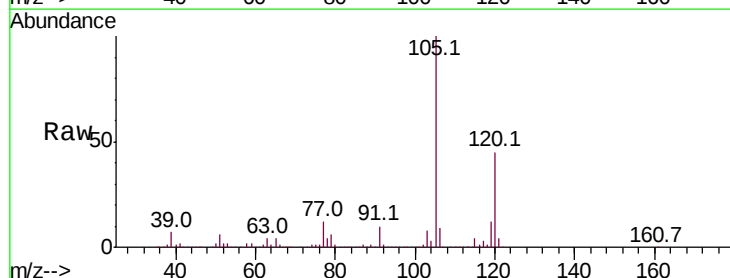
Manual Integrations
 APPROVED

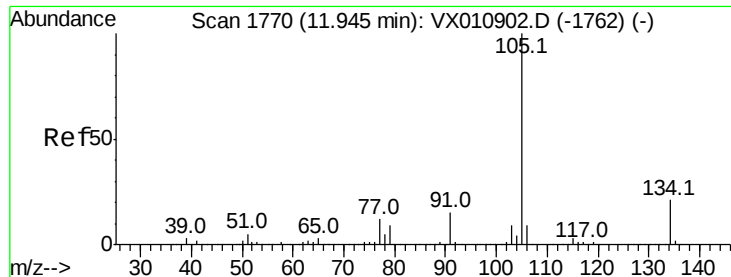
MMDadoda
 7/17/2019 1:22:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.596 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010915.D
 Acq: 16 Jul 2019 18:38

Tgt Ion:105 Resp: 166376
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 1.487 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

Instrument :

MSVOA_X

ClientSampled :

FL-0604DL

Tot Ion:105 Resp: 15195

Ion Ratio Lower Upper

105 100

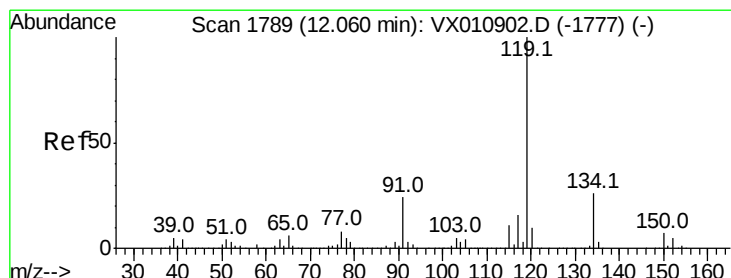
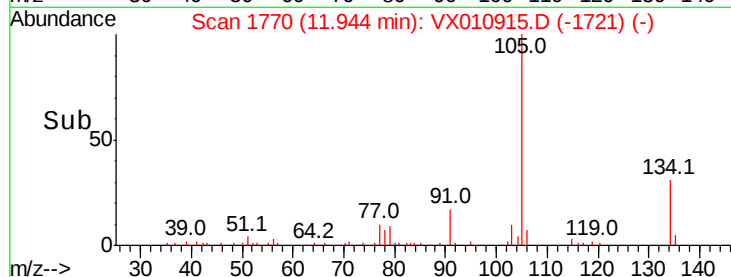
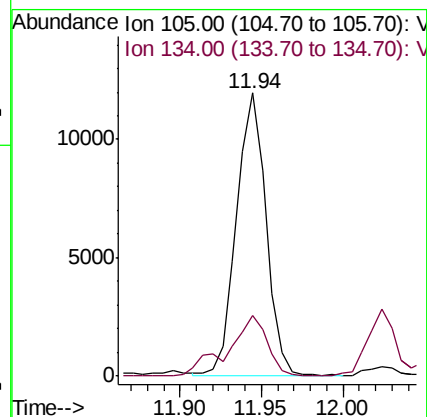
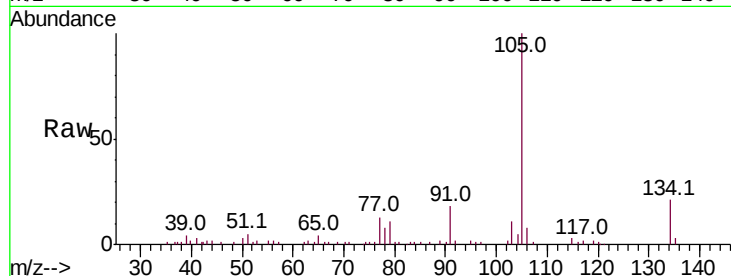
134 28.2 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 1.256 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010915.D

Acq: 16 Jul 2019 18:38

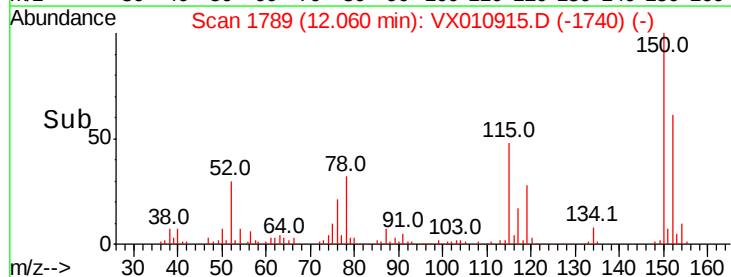
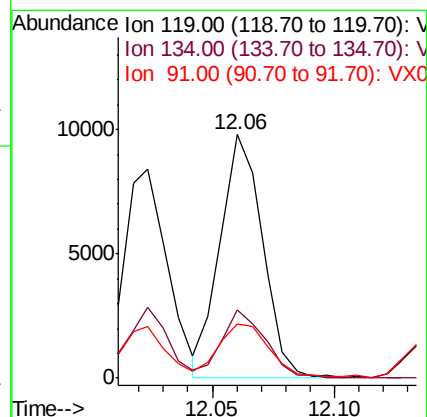
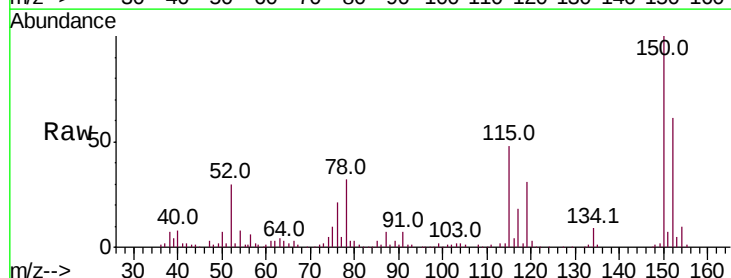
Tgt Ion:119 Resp: 11860

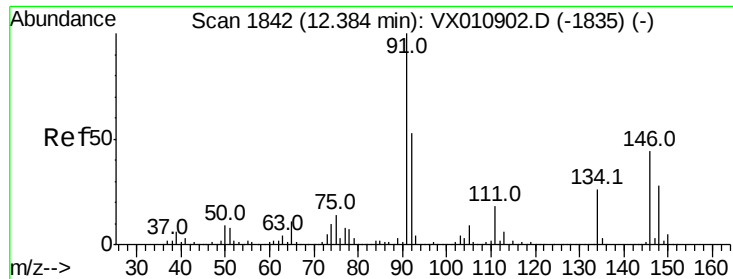
Ion Ratio Lower Upper

119 100

134 28.6 13.4 40.1

91 25.1 11.8 35.4





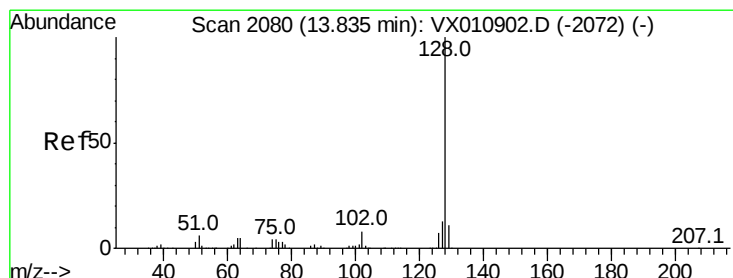
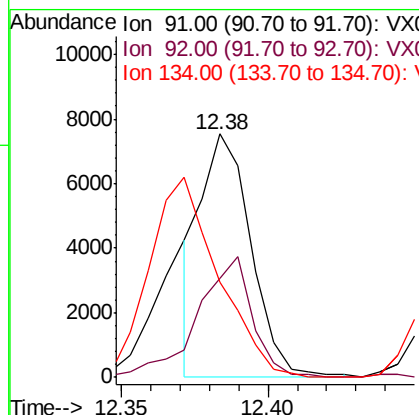
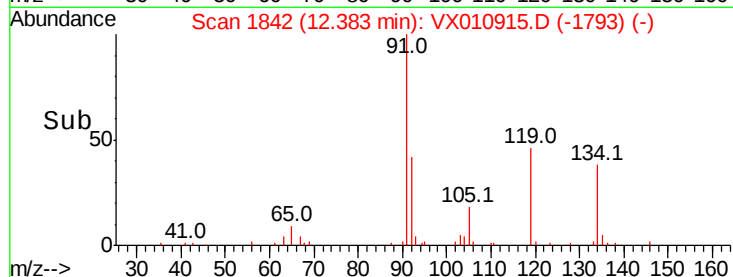
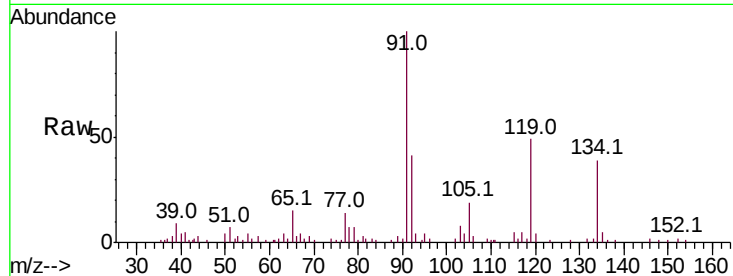
#89
n-Butylbenzene
Concen: 1.112 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Instrument :
MSVOA_X
ClientSampled :
FL-0604DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.2	78.5
134	111.4	13.8	41.3#

Manual Integrations
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7/17/2019 1:22:55 PM



#95
Naphthalene
Concen: 2.570 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010915.D
Acq: 16 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.5	8.9	13.3

