

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010887.D
 Acq On : 15 Jul 2019 16:14
 Operator : JC/SP
 Sample : K3786-05DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0589DL

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:44:44 AM

Quant Time: Jul 16 03:34:32 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	225107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158581	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115840	54.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.76%	
35) Dibromofluoromethane	5.50	113	109536	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
50) Toluene-d8	8.71	98	427175	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.13	95	152795	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	1517	1.434	ug/l	98
31) Cyclohexane	5.59	56	49541	16.250	ug/l	96
39) Methylcyclohexane	7.46	83	120574	32.620	ug/l	99
67) Ethyl Benzene	10.25	91	186271	16.581	ug/l	99
68) m/p-Xylenes	10.36	106	87896	20.192	ug/l	97
73) Isopropylbenzene	11.02	105	94041	8.748	ug/l	98
78) n-propylbenzene	11.36	91	125454	10.619	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	7145m	0.806	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	402366	45.192	ug/l	100
85) sec-Butylbenzene	11.94	105	18154	1.738	ug/l	99
86) p-Isopropyltoluene	12.06	119	16138	1.671	ug/l	93
89) n-Butylbenzene	12.38	91	7320m	0.892	ug/l	
95) Naphthalene	13.83	128	70575	6.359	ug/l	98

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

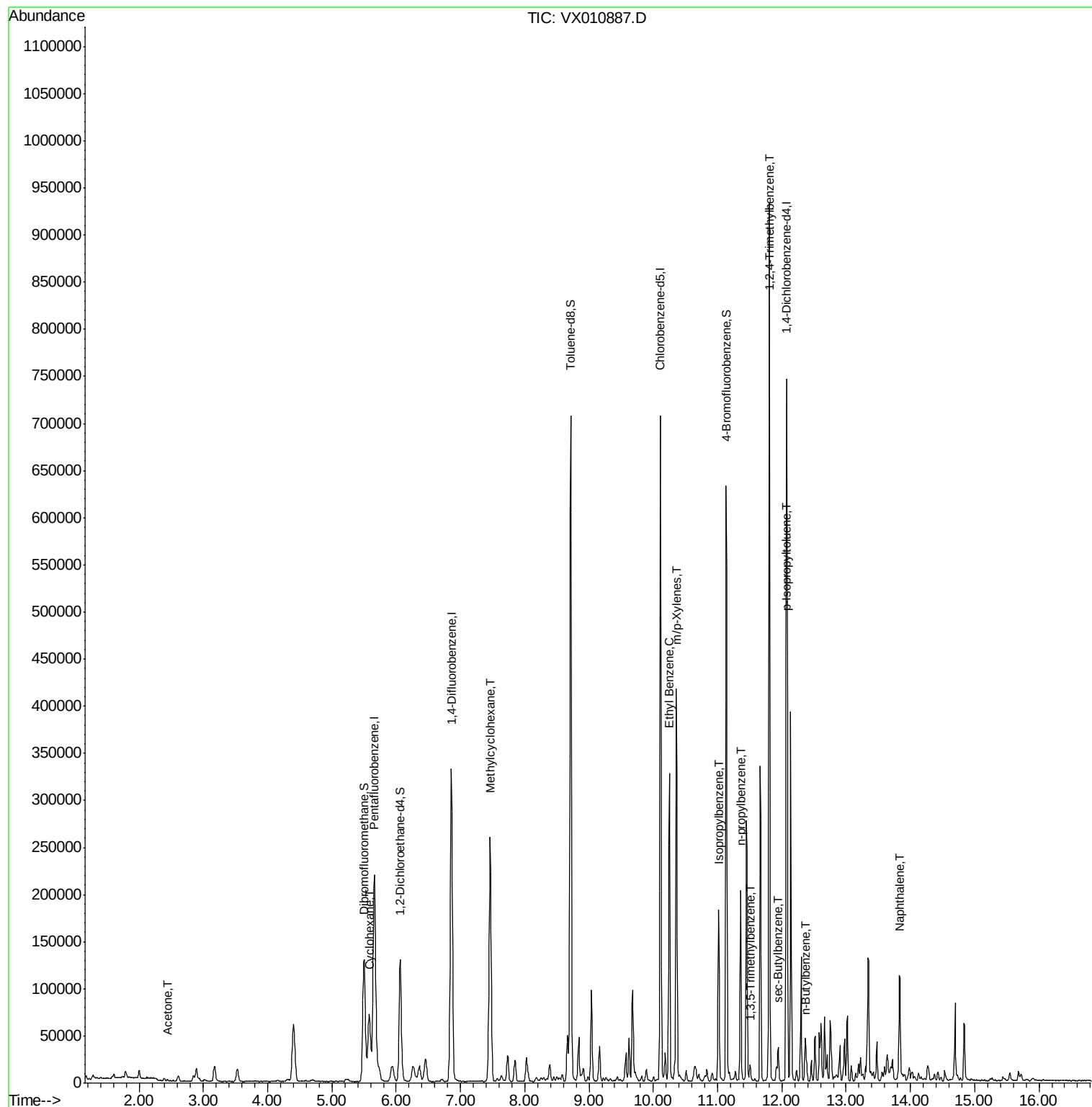
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071519\
Data File : VX010887.D
Acq On : 15 Jul 2019 16:14
Operator : JC/SP
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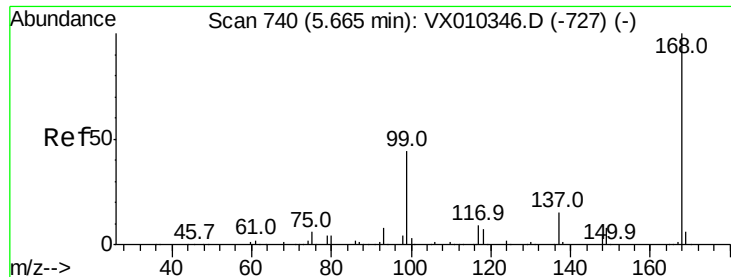
Instrument :
MSVOA_X
ClientSampleId :
FL-0589DL

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Quant Time: Jul 16 03:34:32 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: VX010887.D

Acq: 15 Jul 2019 16:14

Instrument :

MSVOA_X

ClientSampleID :

FL-0589DL

Tot Ion:168 Resp: 225107

Ion Ratio Lower Upper

168 100

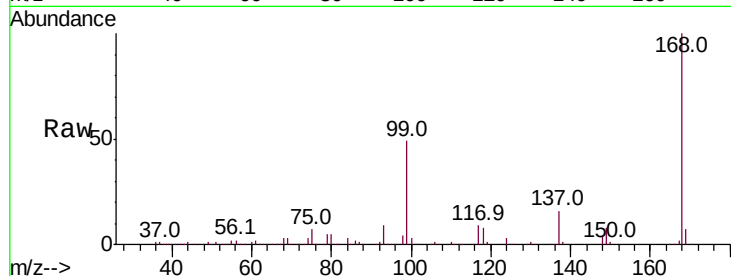
99 48.9 35.5 53.3

Manual Integrations

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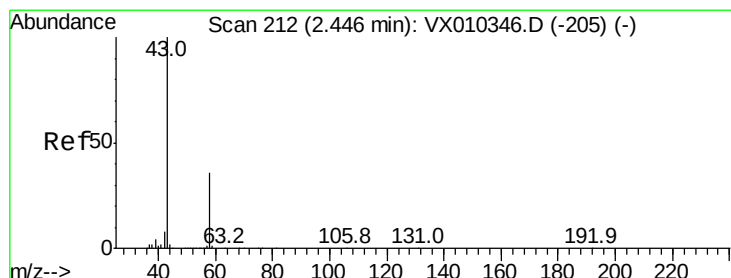
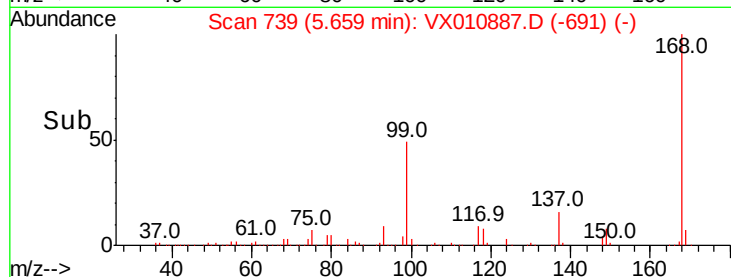
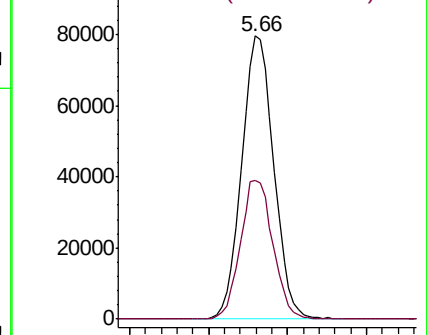
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.434 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010887.D

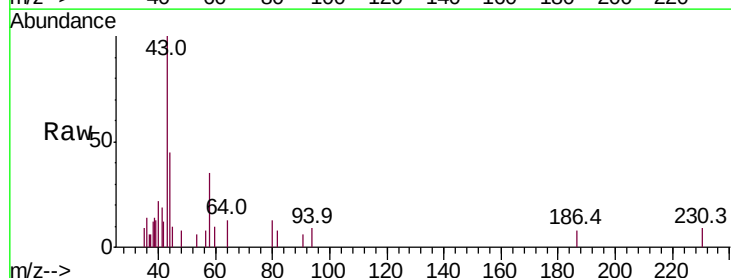
Acq: 15 Jul 2019 16:14

Tgt Ion: 43 Resp: 1517

Ion Ratio Lower Upper

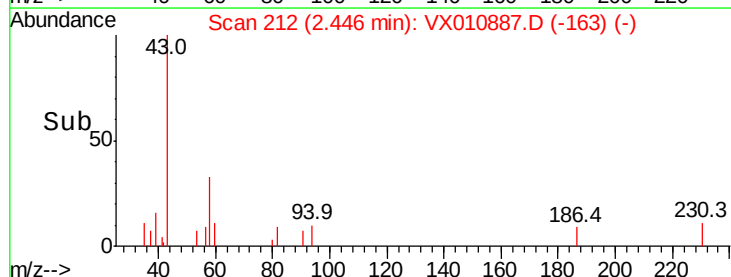
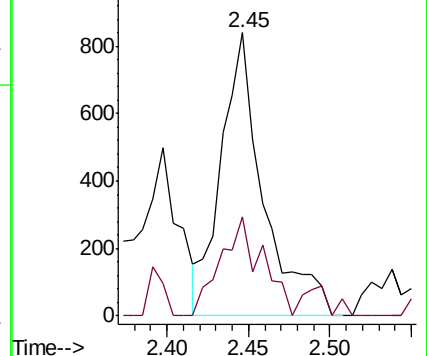
43 100

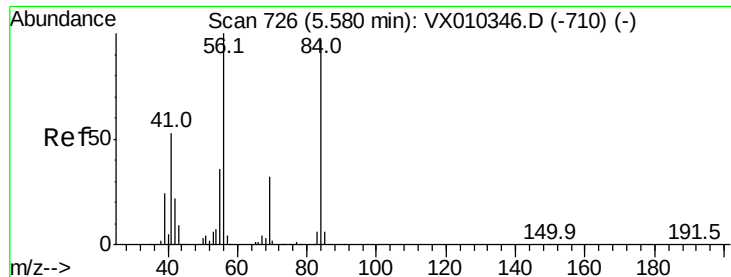
58 34.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





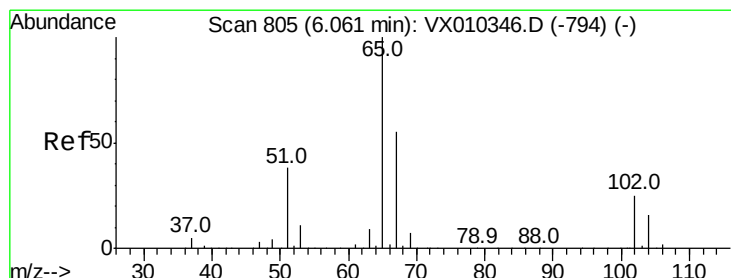
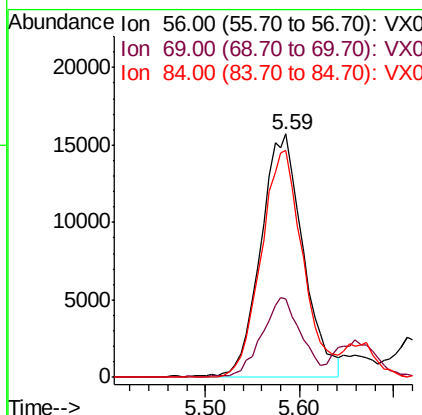
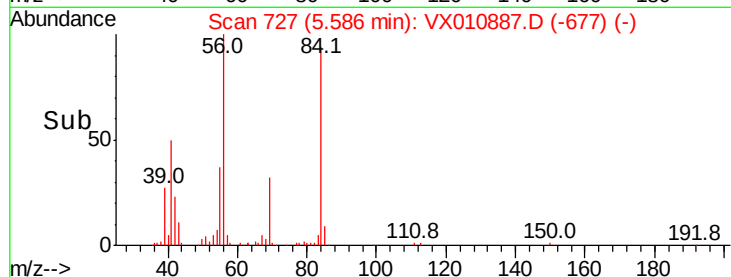
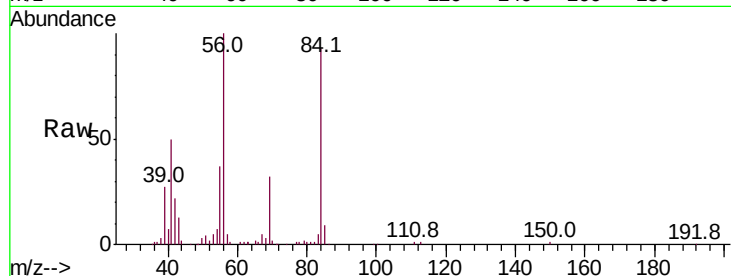
#31
Cyclohexane
Concen: 16.250 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
FL-0589DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.9	38.9
84	93.4	78.0	117.0

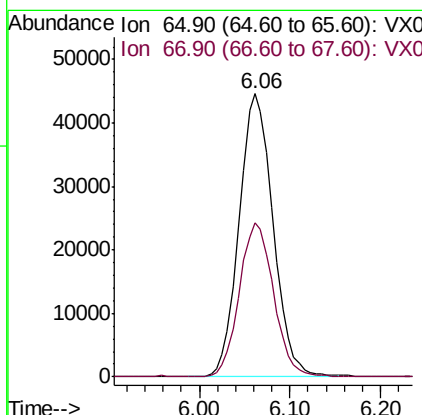
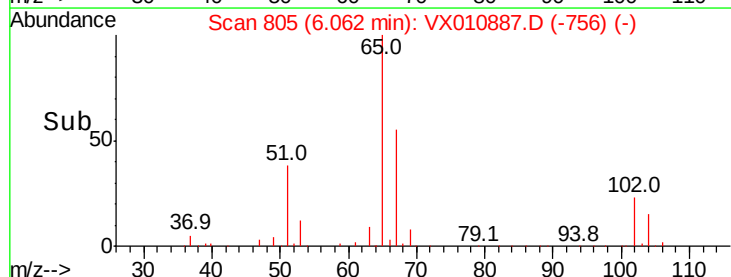
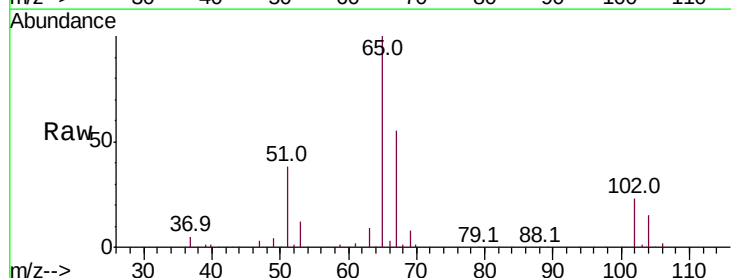
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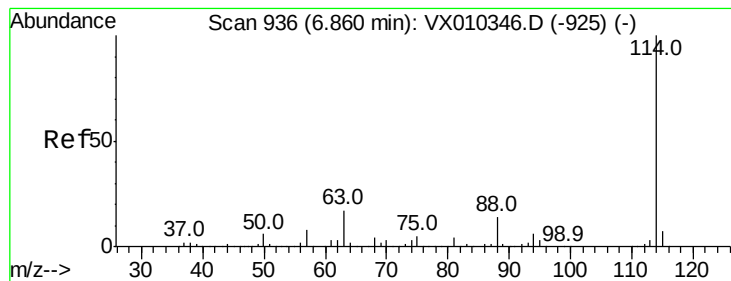
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#33
1,2-Dichloroethane-d4
Concen: 54.885 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.1	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: VX010887.D

Acq: 15 Jul 2019 16:14

Instrument :

MSVOA_X

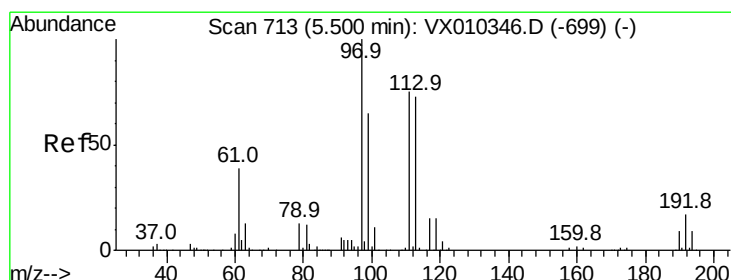
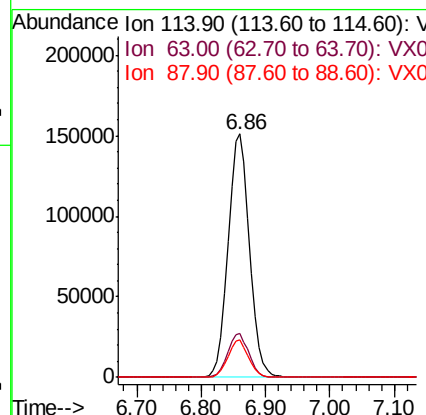
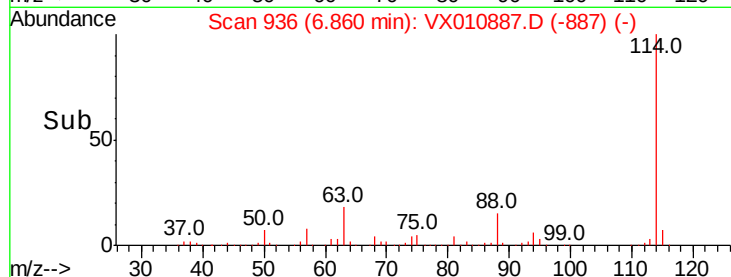
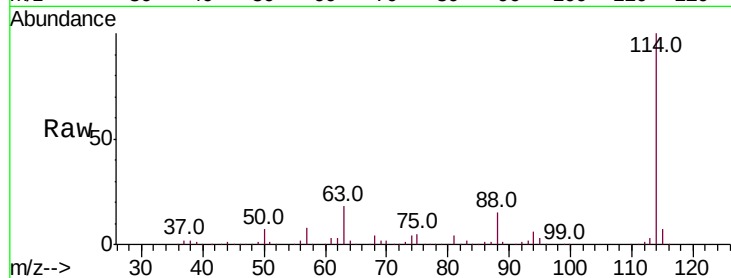
ClientSampleId :

FL-0589DL

Tot Ion:	114	Resp:	353865
Ion Ratio	Lower	Upper	
114	100		
63	18.1	0.0	33.8
88	15.2	0.0	27.6

Manual Integrations
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#35

Dibromofluoromethane

Concen: 50.592 ug/l

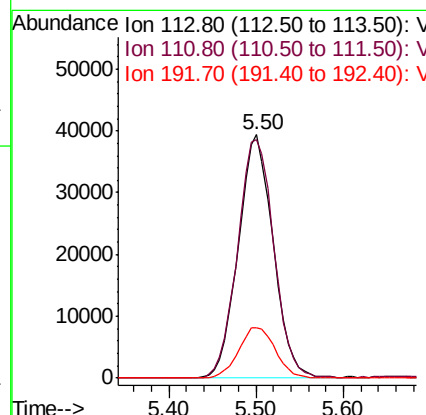
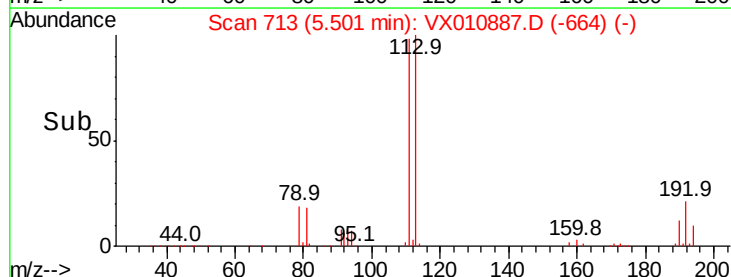
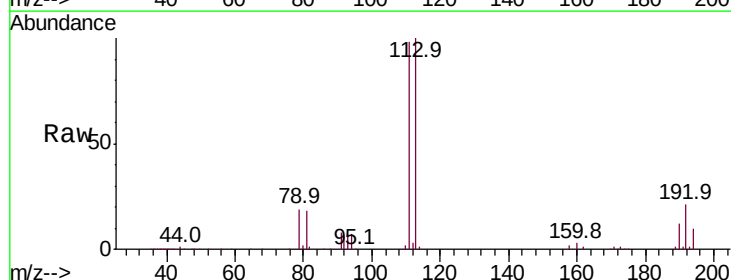
RT: 5.50 min Scan# 713

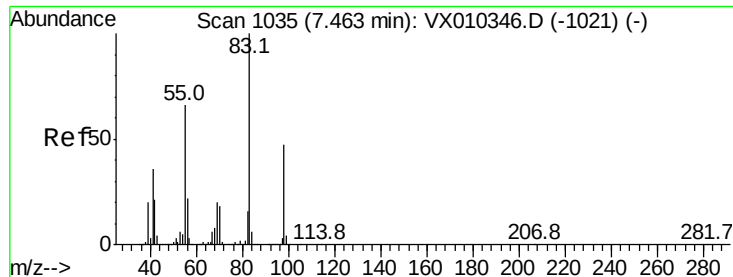
Delta R.T. 0.00 min

Lab File: VX010887.D

Acq: 15 Jul 2019 16:14

Tgt Ion:	113	Resp:	109536
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.2	121.8
192	21.8	18.6	27.8





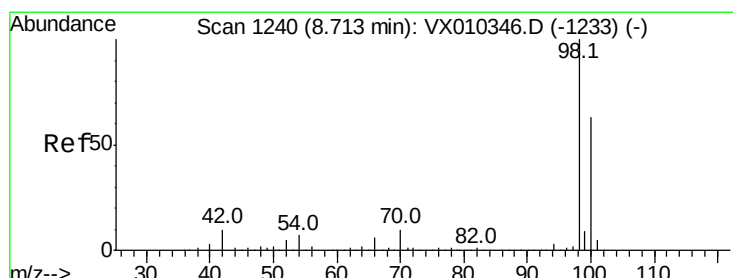
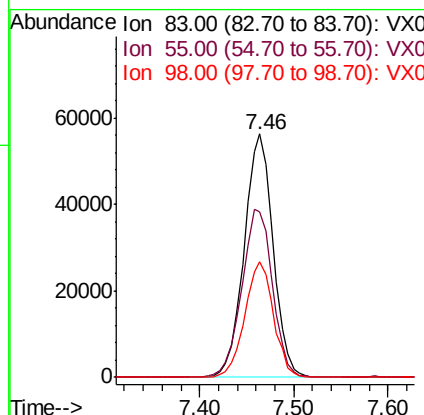
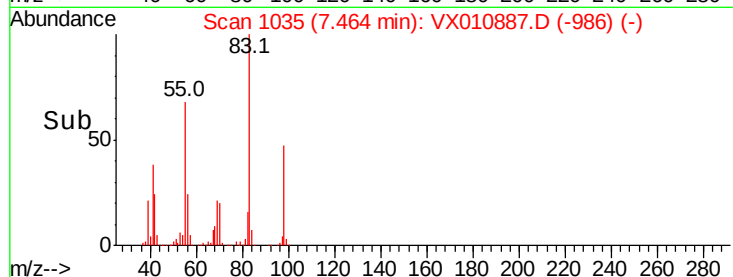
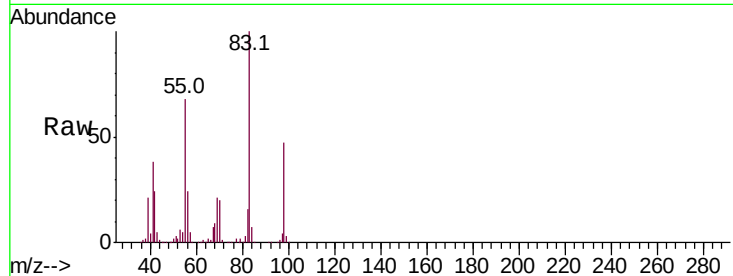
#39
Methylcyclohexane
Concen: 32.620 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
FL-0589DL

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120574		
55	67.8	53.0	79.6	
98	47.4	37.8	56.8	

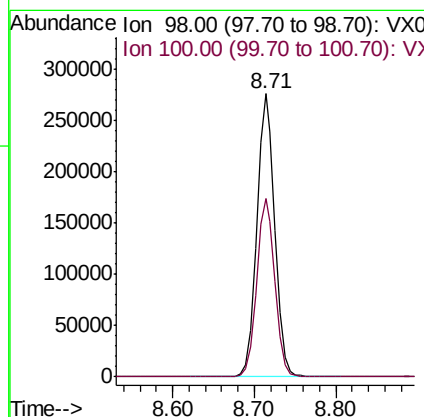
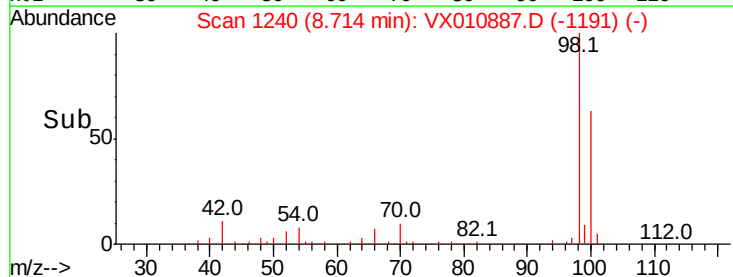
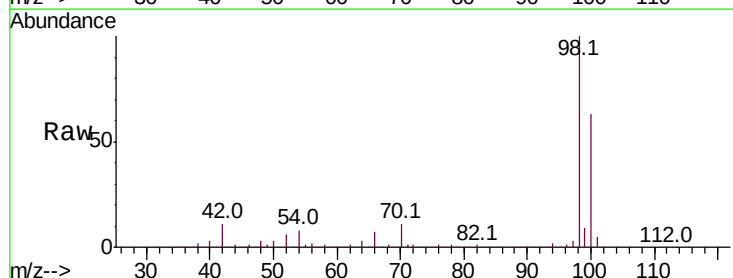
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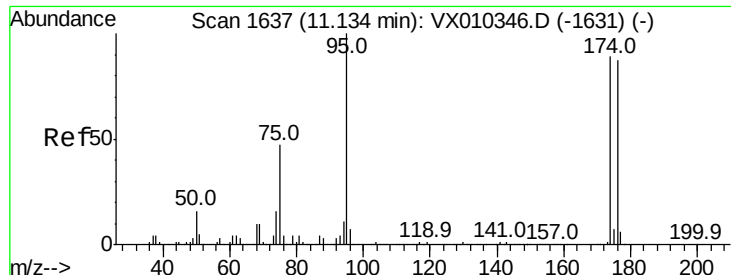
MMDadoda
7/16/2019 10:44:44 AM



#50
Toluene-d8
Concen: 51.572 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	427175		
100	63.7	51.6	77.4	





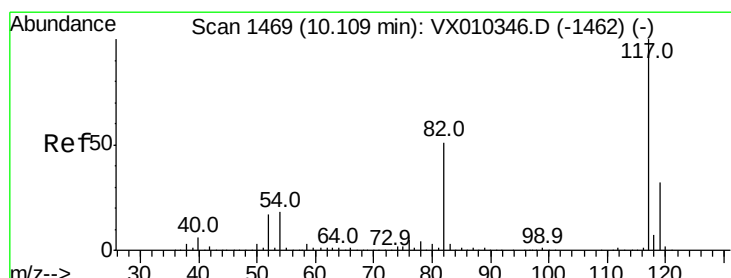
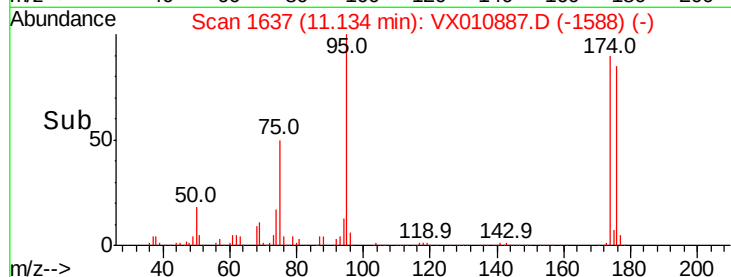
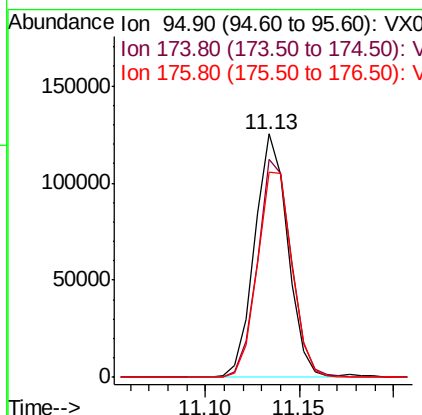
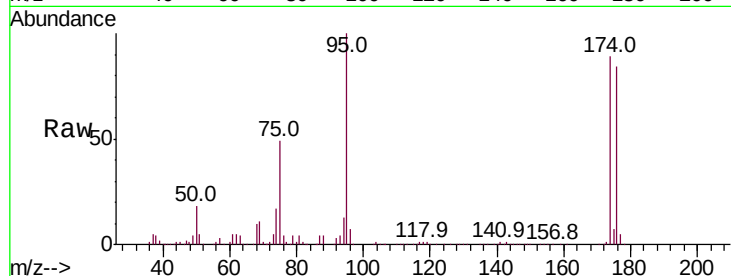
#62
4-Bromofluorobenzene
Concen: 51.094 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
FL-0589DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	152795		
174	91.4	0.0	187.6	
176	88.7	0.0	184.0	

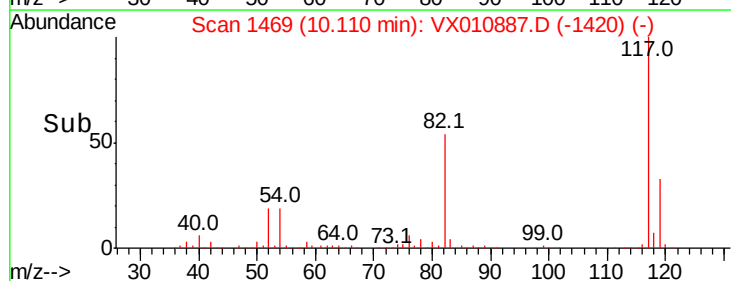
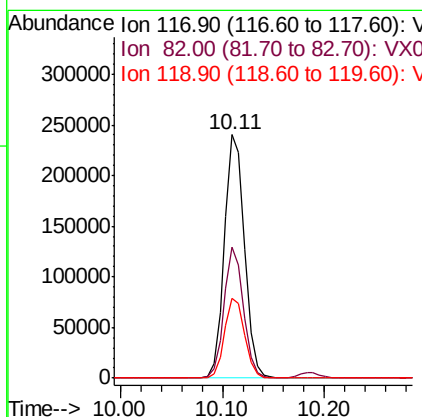
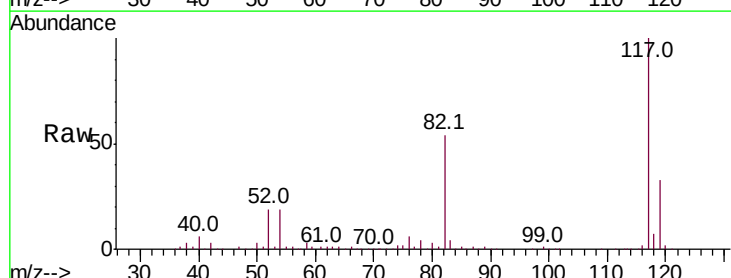
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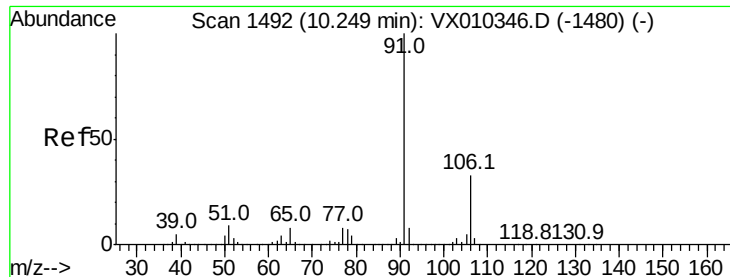
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	327772		
82	53.6	41.2	61.8	
119	32.5	25.5	38.3	





#67

Ethyl Benzene

Concen: 16.581 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010887.D

Acq: 15 Jul 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

FL-0589DL

Tot Ion: 91 Resp: 186271

Ion Ratio Lower Upper

91 100

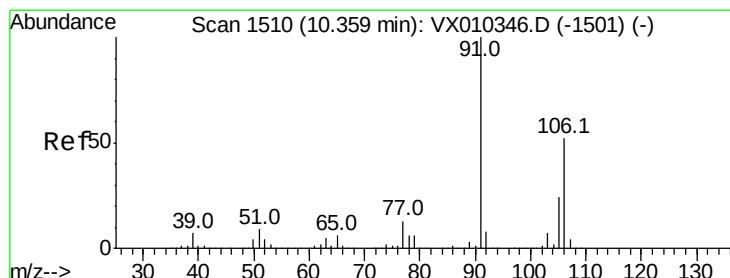
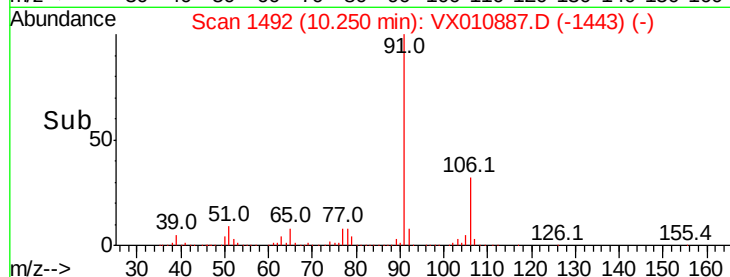
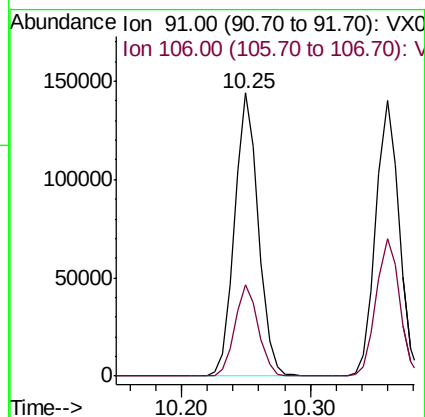
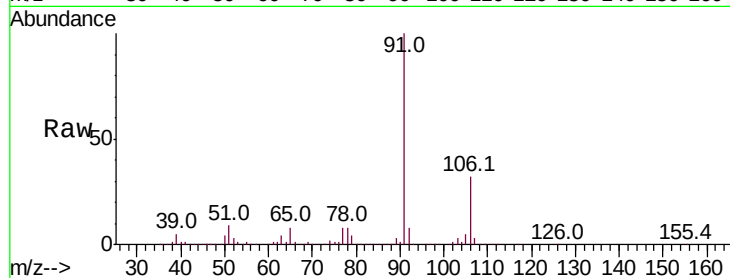
106 32.1 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 20.192 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010887.D

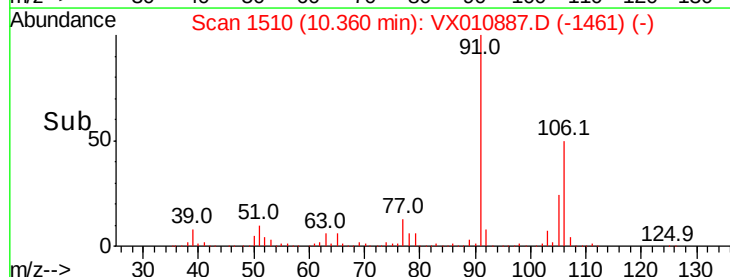
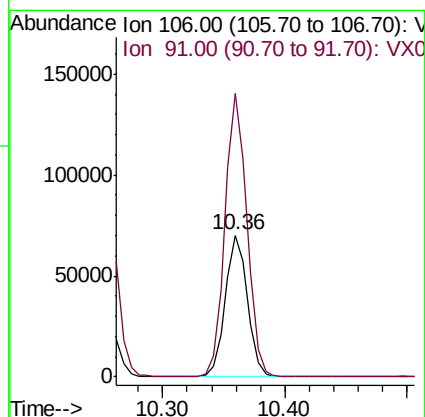
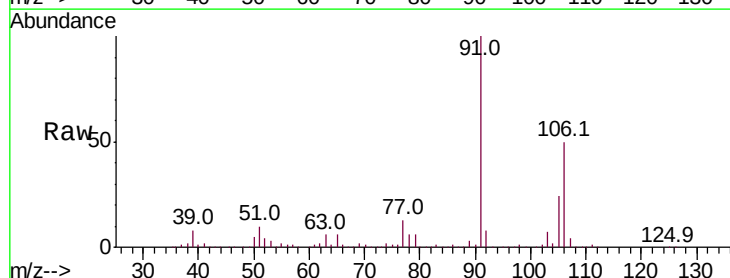
Acq: 15 Jul 2019 16:14

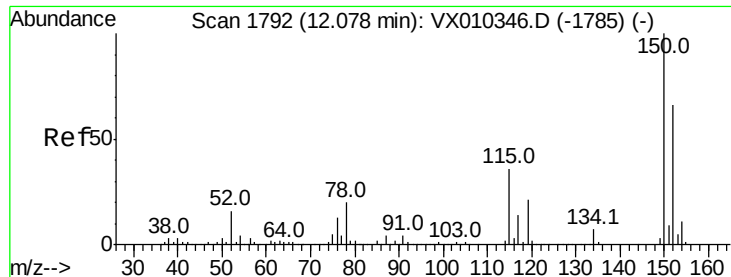
Tgt Ion: 106 Resp: 87896

Ion Ratio Lower Upper

106 100

91 198.5 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010887.D

Acq: 15 Jul 2019 16:14

Instrument :

MSVOA_X

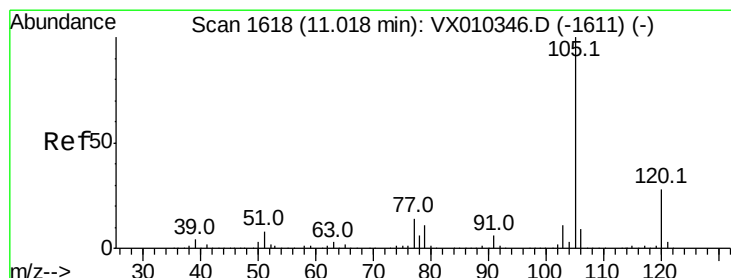
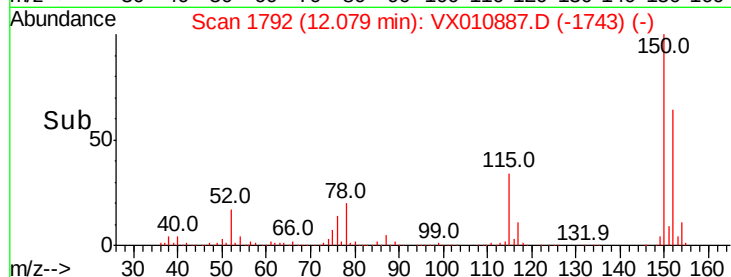
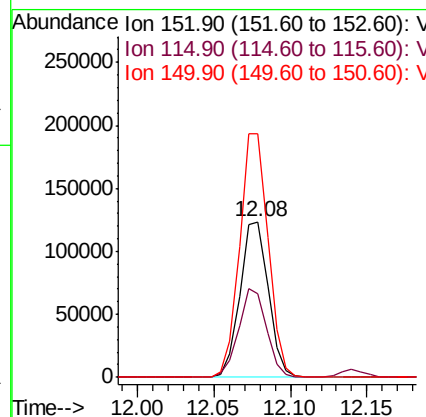
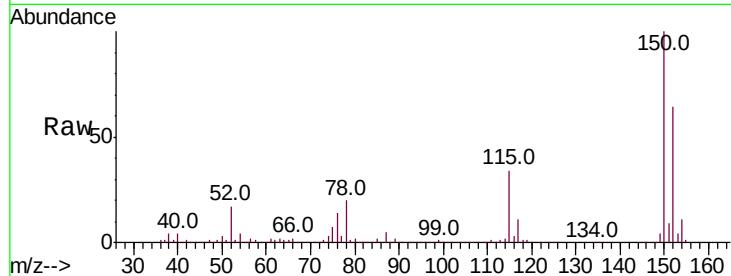
ClientSampled :

FL-0589DL

Tot Ion:	152	Resp:	158581
Ion Ratio	Lower	Upper	
152	100		
115	55.9	38.6	115.7
150	157.7	0.0	347.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 8.748 ug/l

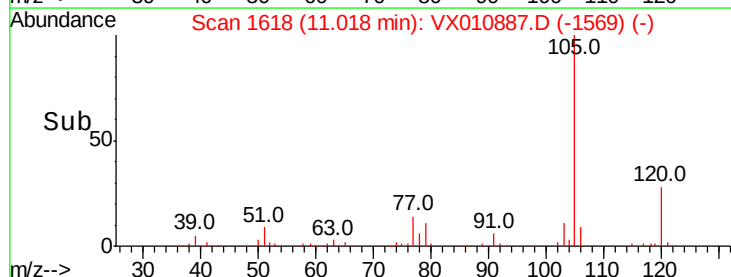
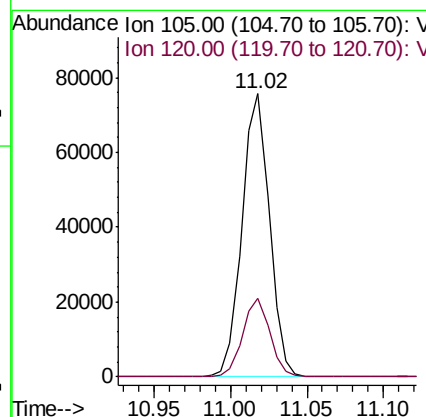
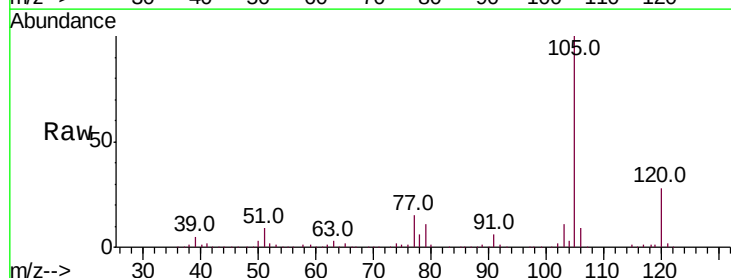
RT: 11.02 min Scan# 1618

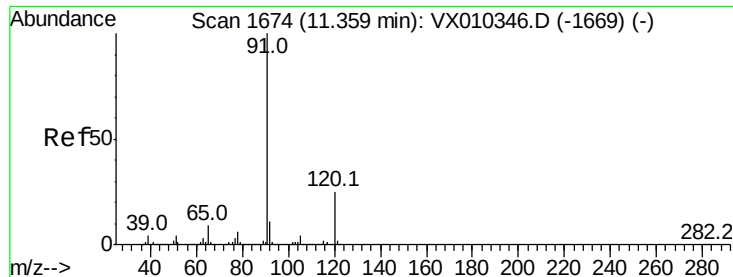
Delta R.T. 0.00 min

Lab File: VX010887.D

Acq: 15 Jul 2019 16:14

Tgt Ion:	105	Resp:	94041
Ion Ratio	Lower	Upper	
105	100		
120	27.3	14.1	42.4





#78

n-propylbenzene

Concen: 10.619 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010887.D

Acq: 15 Jul 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

FL-0589DL

Tot Ion: 91 Resp: 125454

Ion Ratio Lower Upper

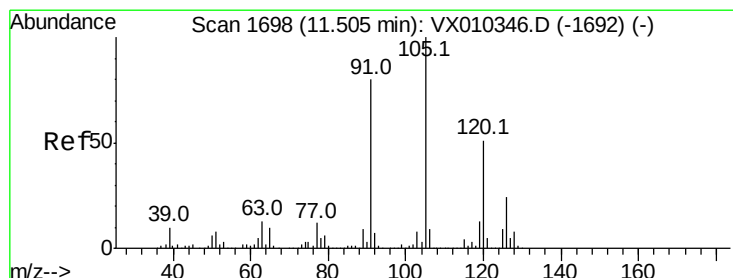
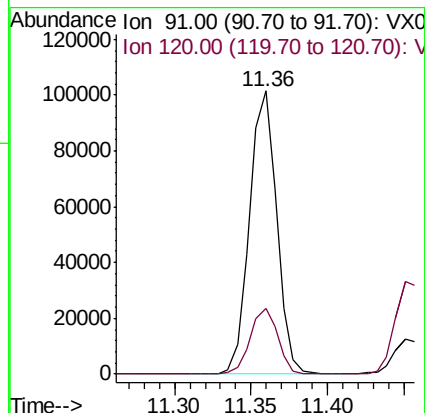
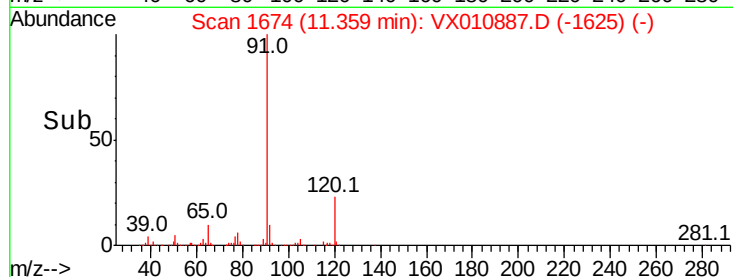
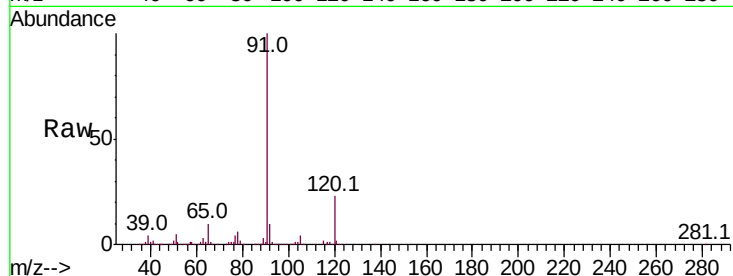
91 100

120 23.6 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 0.806 ug/l m

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010887.D

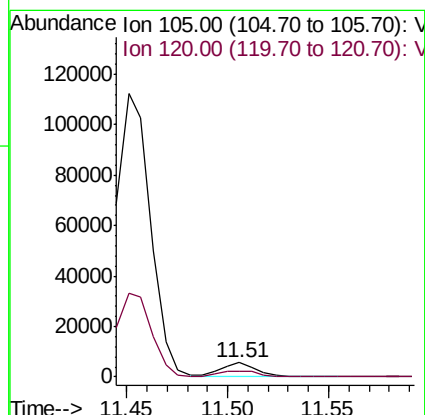
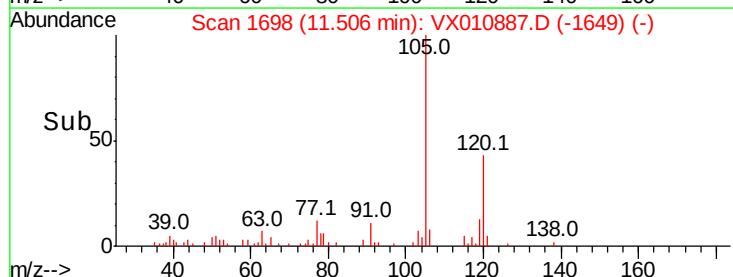
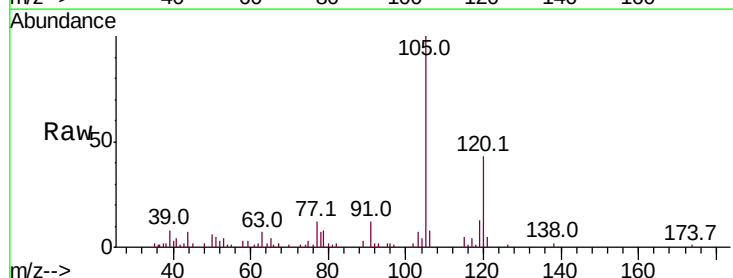
Acq: 15 Jul 2019 16:14

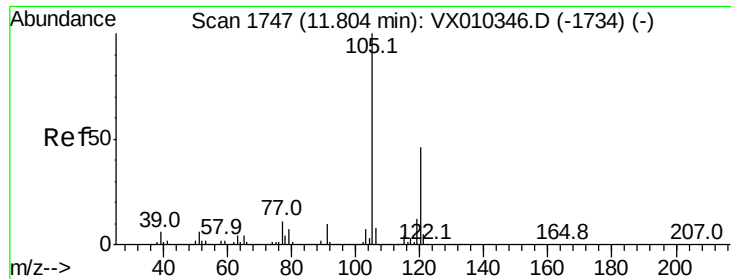
Tgt Ion: 105 Resp: 7145

Ion Ratio Lower Upper

105 100

120 579.9 25.2 75.6#





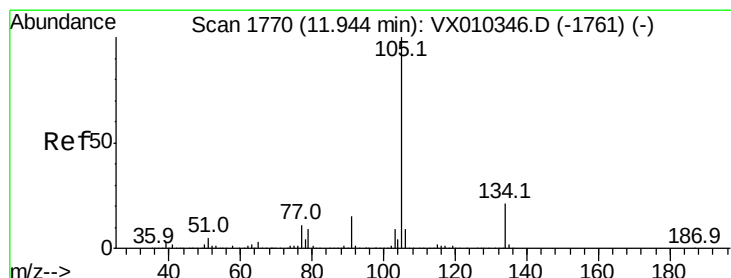
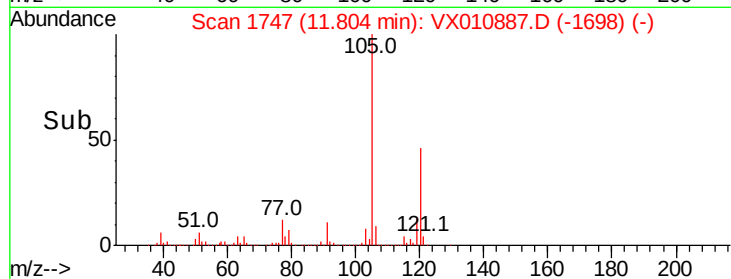
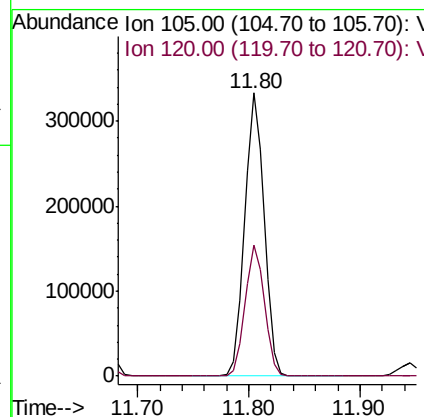
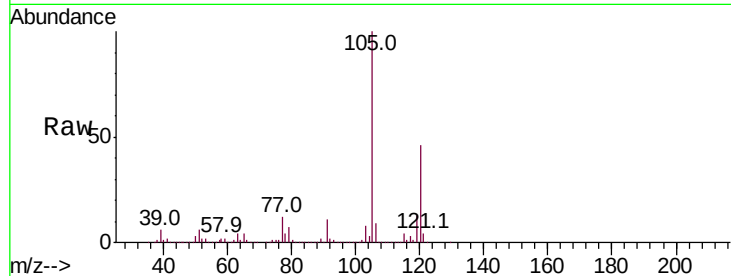
#84
 1,2,4-Trimethylbenzene
 Concen: 45.192 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010887.D
 Acq: 15 Jul 2019 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0589DL

Tot Ion	Ratio	Resp	Lower	Upper
105	100	402366		
120	46.1		23.1	69.2

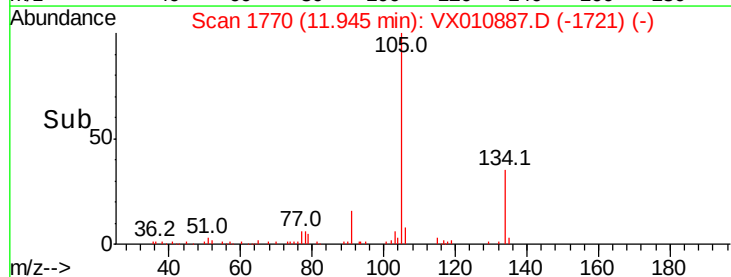
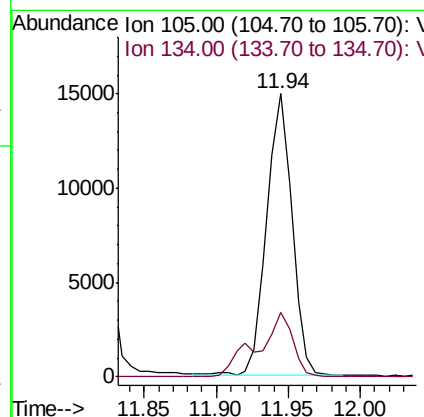
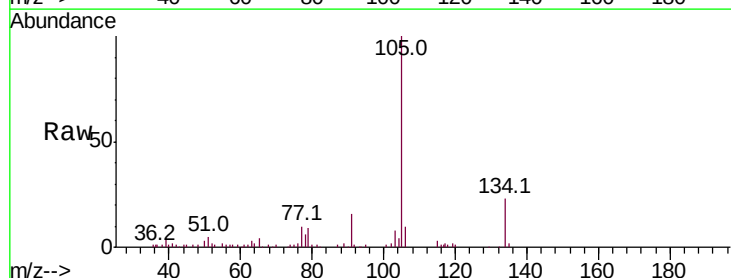
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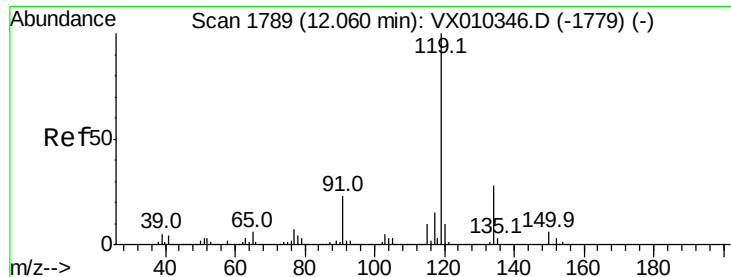
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#85
 sec-Butylbenzene
 Concen: 1.738 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010887.D
 Acq: 15 Jul 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	18154		
134	22.0		10.7	31.9





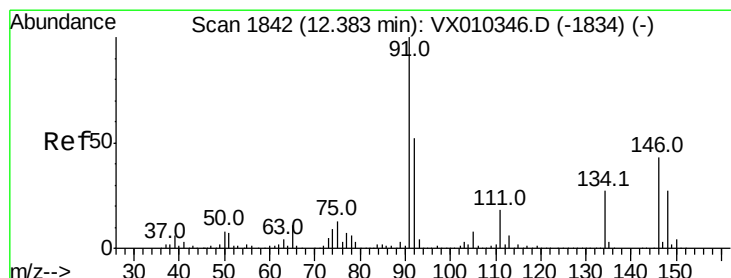
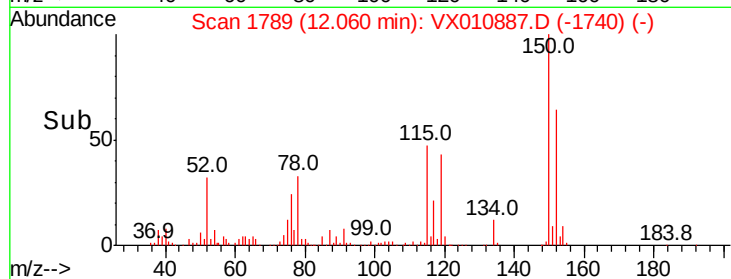
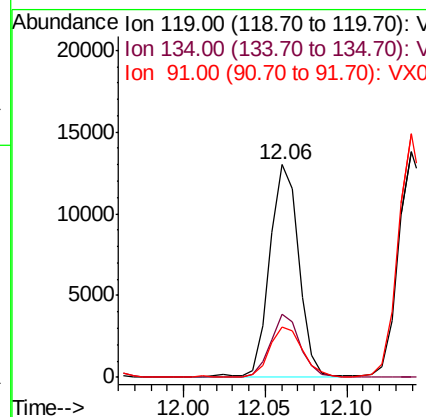
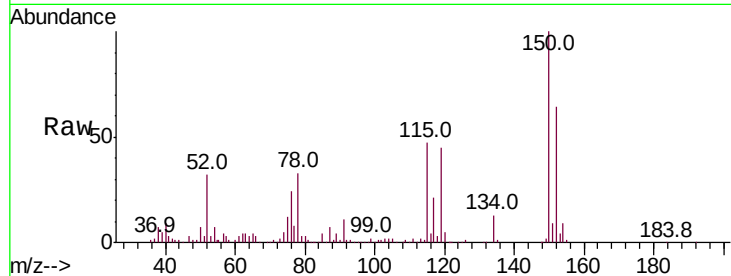
#86
 p-Isopropyltoluene
 Concen: 1.671 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010887.D
 Acq: 15 Jul 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0589DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.4	13.7	41.1
91	26.8	11.3	33.8

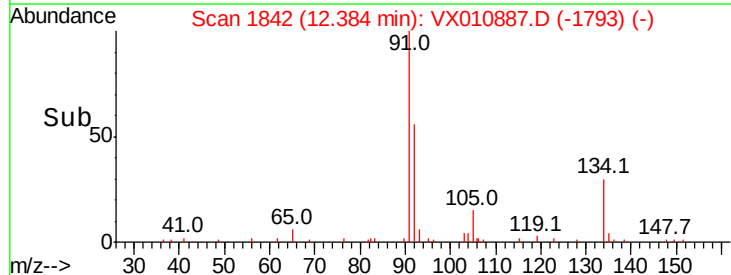
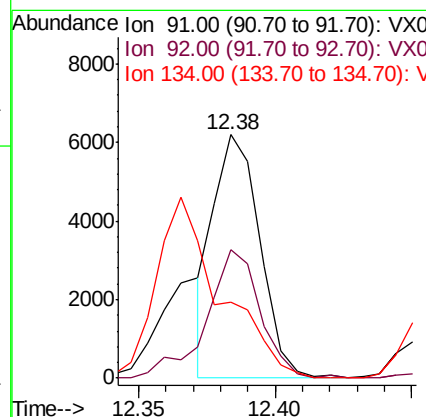
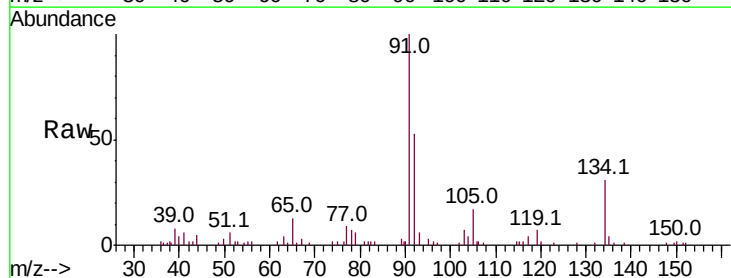
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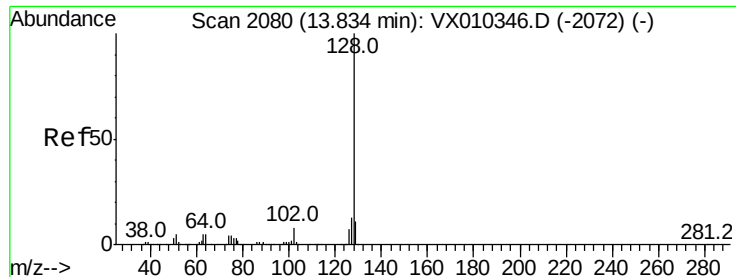
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#89
 n-Butylbenzene
 Concen: 0.892 ug/l m
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010887.D
 Acq: 15 Jul 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.1	26.2	78.5
134	103.0	14.1	42.4#





#95
Naphthalene
Concen: 6.359 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010887.D
Acq: 15 Jul 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
FL-0589DL

Tot Ion:	128	Resp:	70575
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	12.0	8.9	13.3

Manual Integrations
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