

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004234.D
 Acq On : 23 Aug 2018 18:33
 Operator : JC/MD
 Sample : J4579-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561DL

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:36:03 AM

Quant Time: Aug 24 07:36:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	488069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	268239	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204127	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	176253	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
50) Toluene-d8	8.71	98	680931	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.14	95	253658	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
Target Compounds						
						Qvalue
31) Cyclohexane	5.57	56	52314	8.99	ug/l	98
39) Methylcyclohexane	7.46	83	81816	13.06	ug/l	99
67) Ethyl Benzene	10.25	91	568527	31.36	ug/l	93
68) m/p-Xylenes	10.36	106	353468	49.87	ug/l	98
69) o-Xylene	10.70	106	262776	39.19	ug/l	97
73) Isopropylbenzene	11.02	105	106085	6.02	ug/l	99
78) n-propylbenzene	11.36	91	171158	8.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	343447	23.54	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1084300	72.40	ug/l	100
85) sec-Butylbenzene	11.94	105	27157m	1.56	ug/l	
86) p-Isopropyltoluene	12.07	119	30536	1.96	ug/l	98
95) Naphthalene	13.83	128	178707	10.21	ug/l	99

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

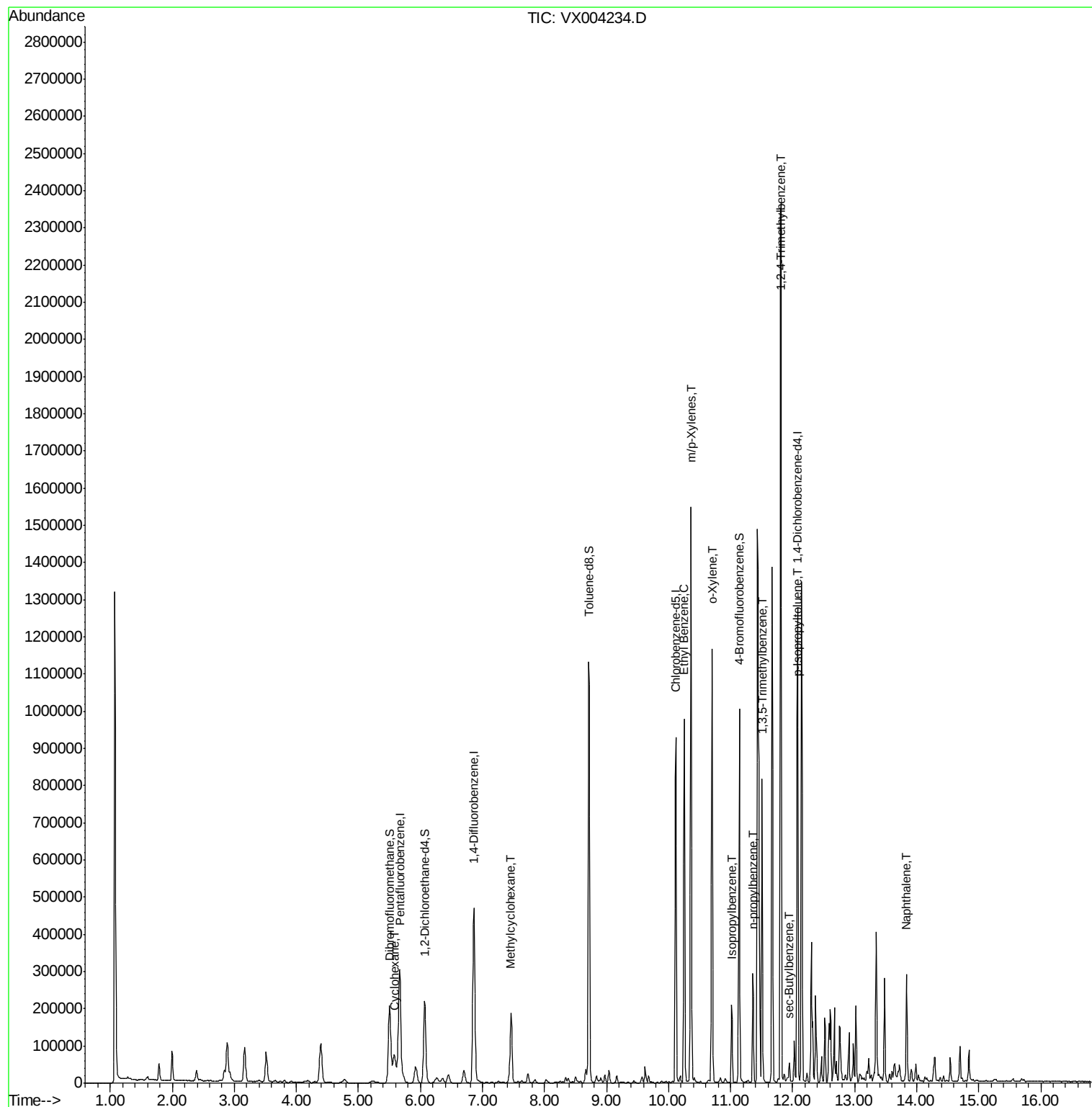
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082318\
Data File : VX004234.D
Acq On : 23 Aug 2018 18:33
Operator : JC/MD
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ALS Vial : 22 Sample Multiplier: 1

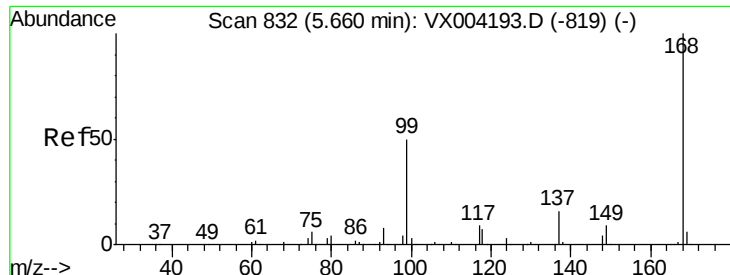
Instrument :
MSVOA_X
ClientSampleId :
FL-0561DL

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Quant Time: Aug 24 07:36:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Instrument :

MSVOA_X

ClientSampled :

FL-0561DL

Tot Ion:168 Resp: 318584

Ion Ratio Lower Upper

168 100

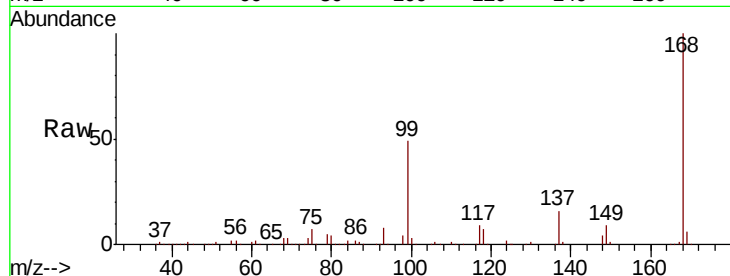
99 48.7 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

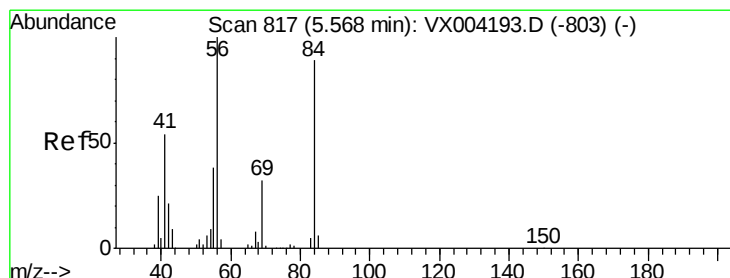
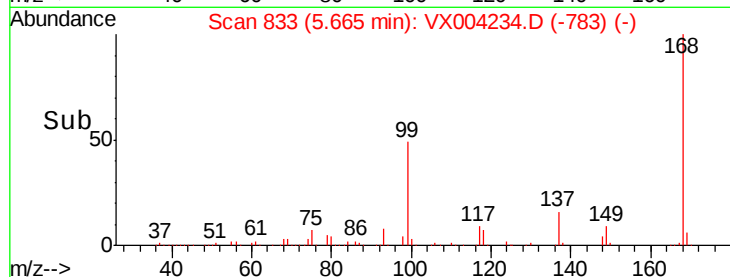
5.67

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 8.99 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

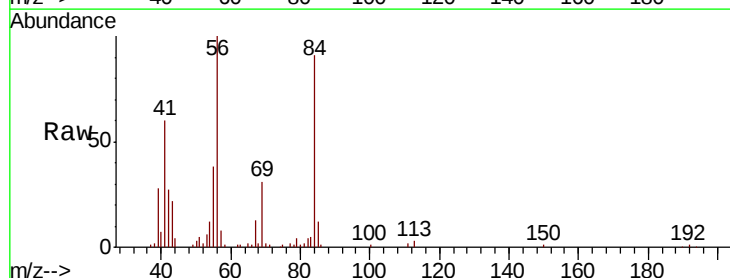
Tgt Ion: 56 Resp: 52314

Ion Ratio Lower Upper

56 100

69 29.9 25.4 38.2

84 90.7 71.4 107.2



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

20000

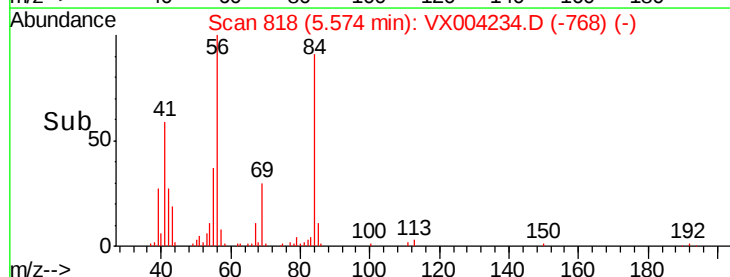
15000

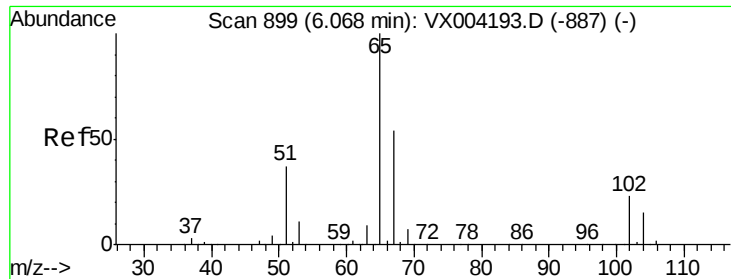
10000

5000

0

Time-->





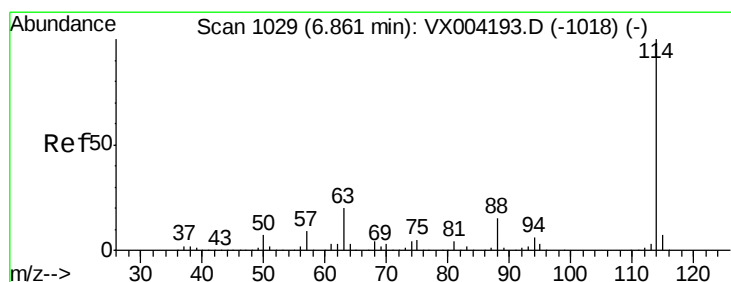
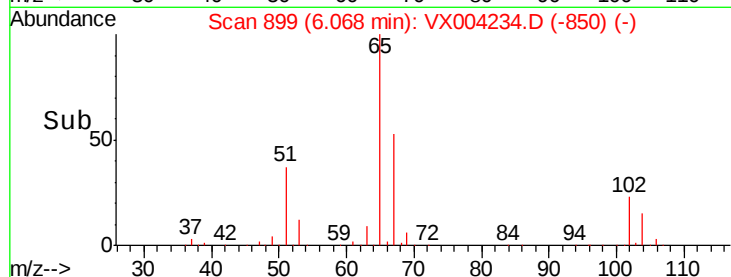
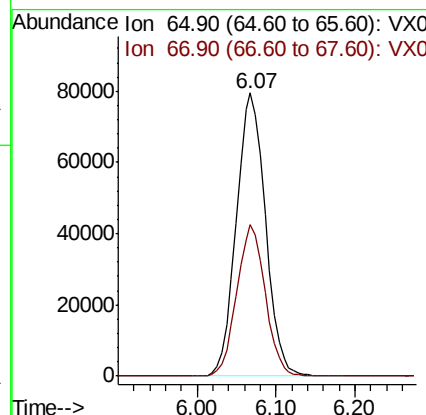
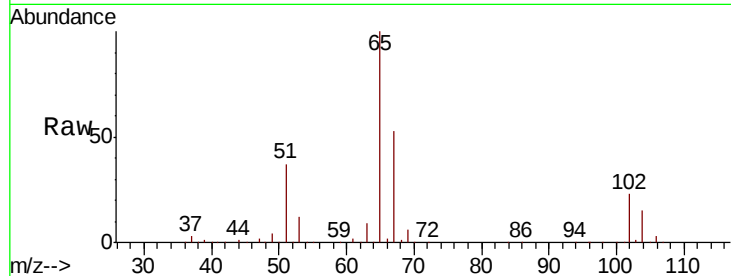
#33
 1,2-Dichloroethane-d4
 Concen: 49.16 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004234.D
 Acq: 23 Aug 2018 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	204127		
67	52.4	0.0	106.8	

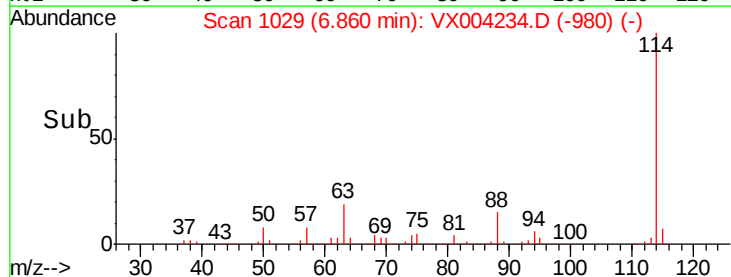
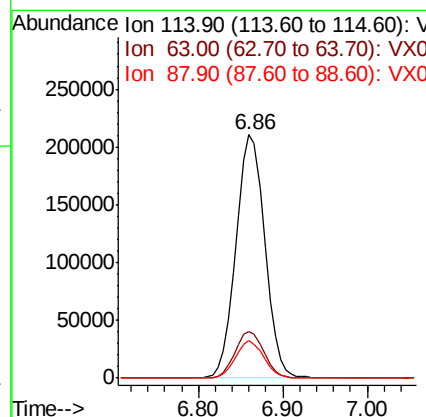
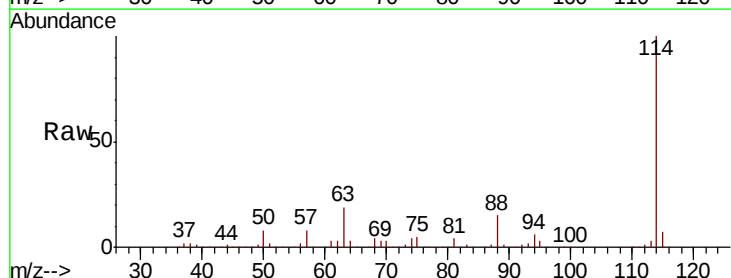
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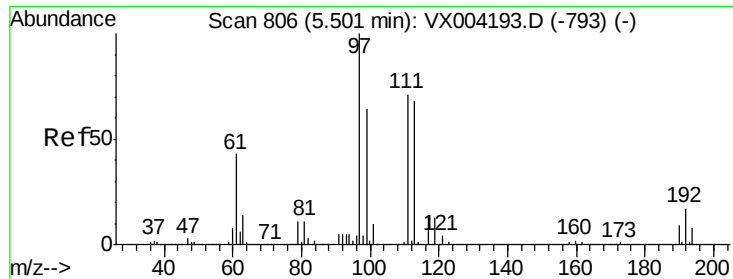
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004234.D
 Acq: 23 Aug 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	488069		
63	19.3	0.0	39.0	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.54 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Instrument :

MSVOA_X

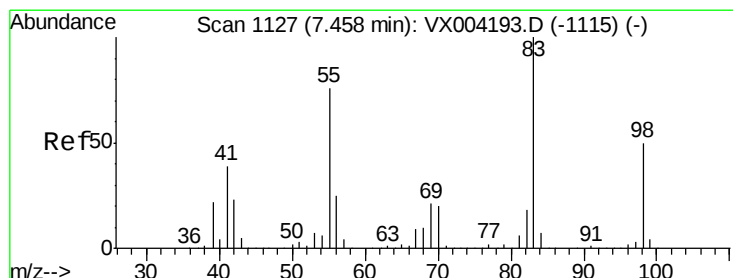
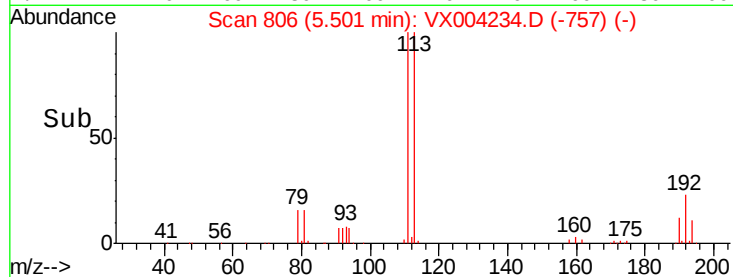
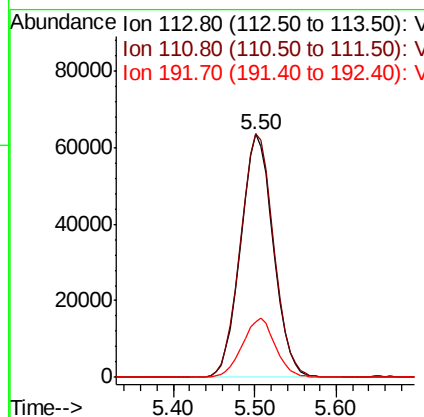
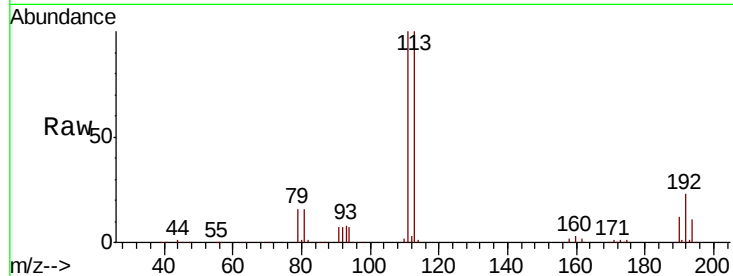
ClientSampleId :

FL-0561DL

Tot Ion:	113	Resp:	176253
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.4	123.6
192	24.4	19.4	29.2

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#39

Methylcyclohexane

Concen: 13.06 ug/l

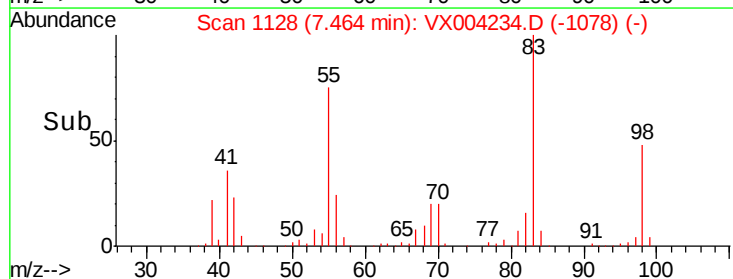
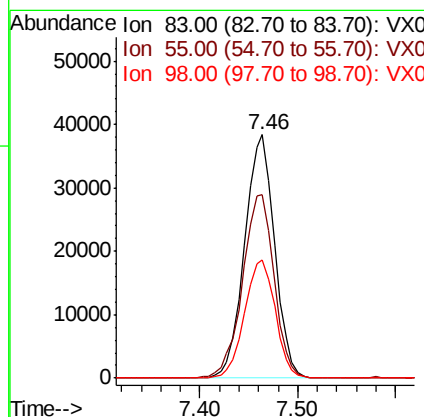
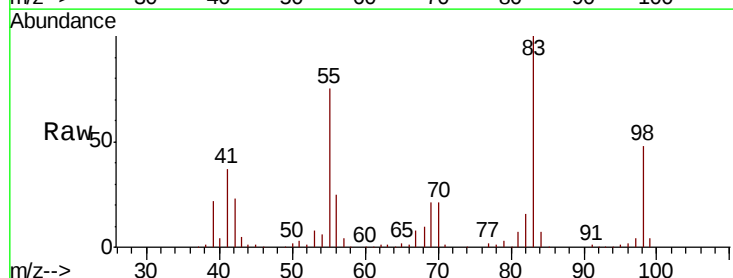
RT: 7.46 min Scan# 1128

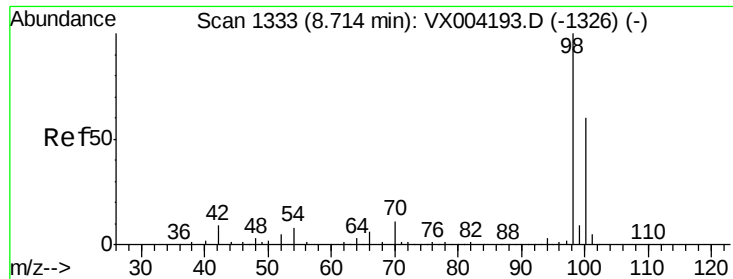
Delta R.T. 0.01 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Tgt Ion:	83	Resp:	81816
Ion Ratio	Lower	Upper	
83	100		
55	75.2	61.0	91.4
98	48.3	39.6	59.4





#50

Toluene-d8

Concen: 49.68 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Instrument :

MSVOA_X

ClientSampleID :

FL-0561DL

Tot Ion: 98 Resp: 680931

Ion Ratio Lower Upper

98 100

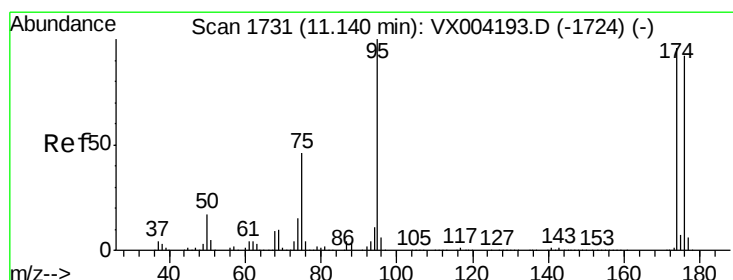
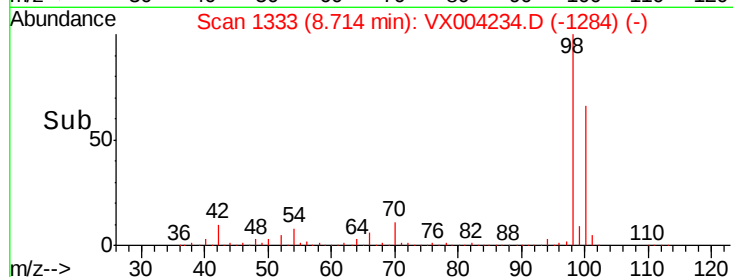
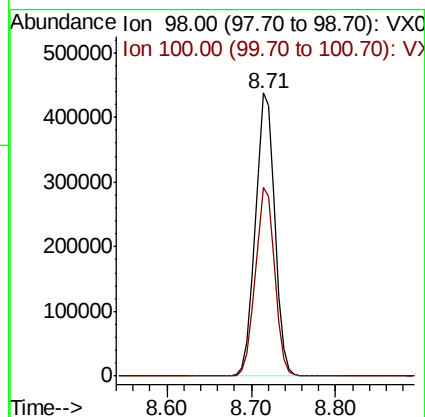
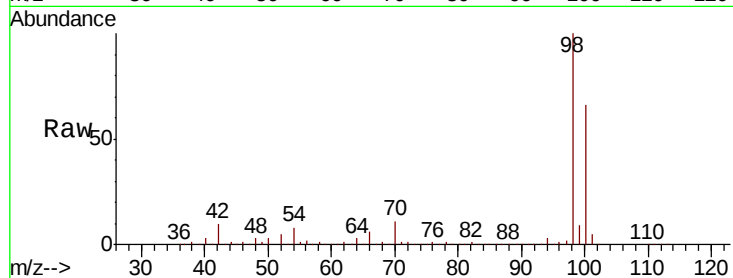
100 66.2 52.9 79.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

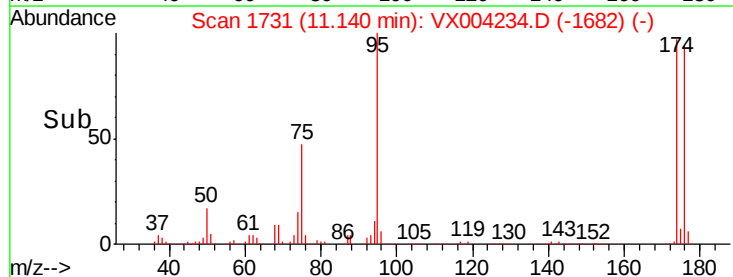
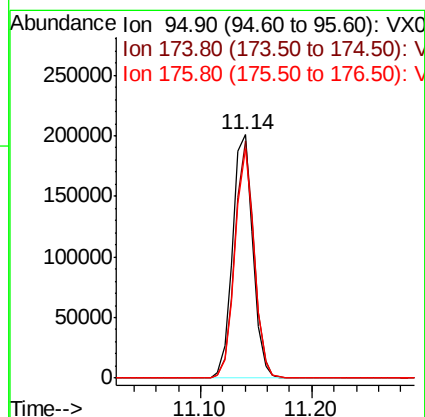
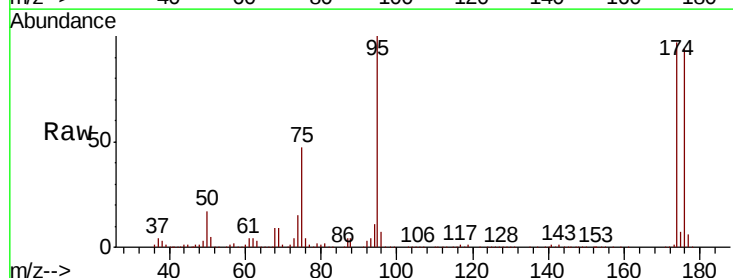
Tgt Ion: 95 Resp: 253658

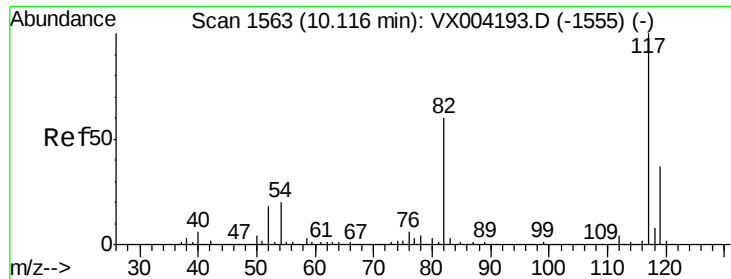
Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.2

176 89.3 0.0 178.6





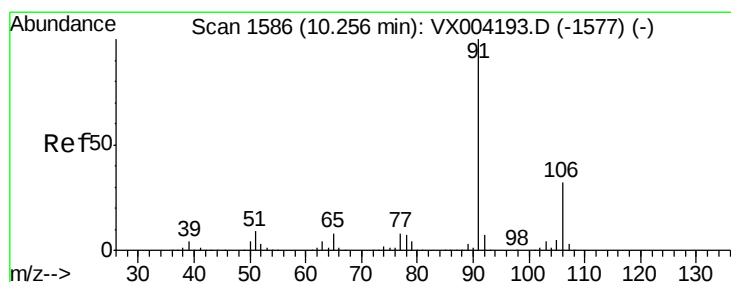
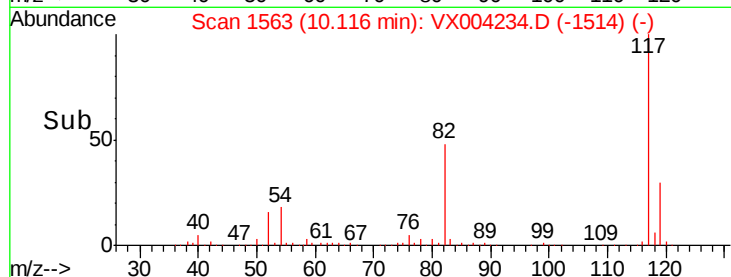
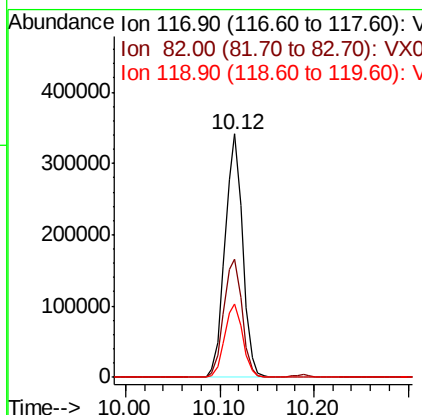
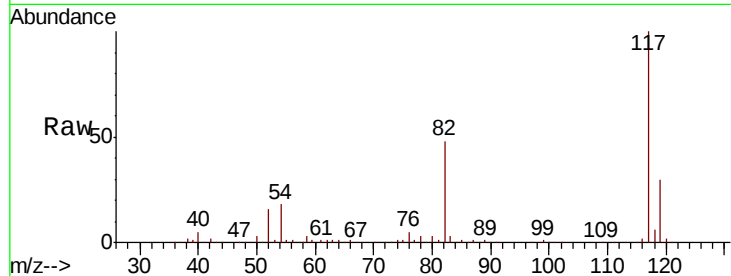
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004234.D
Acq: 23 Aug 2018 18:33

Instrument :
MSVOA_X
ClientSampleId :
FL-0561DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.4	47.8	71.6
119	30.1	29.3	43.9

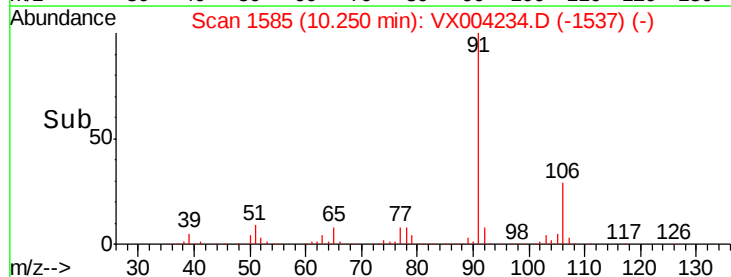
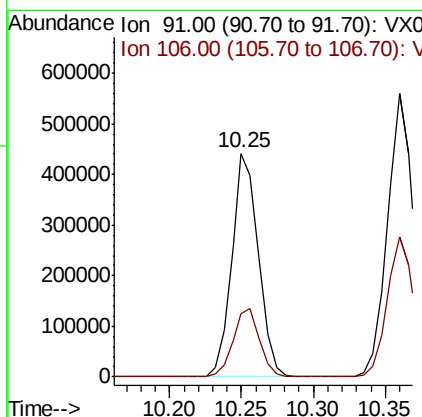
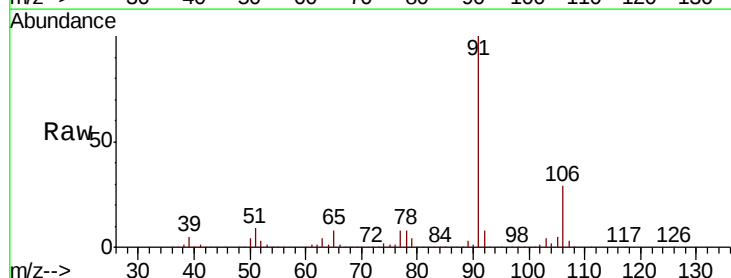
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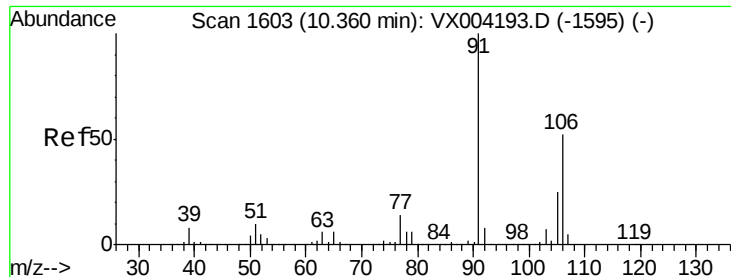
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#67
Ethyl Benzene
Concen: 31.36 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004234.D
Acq: 23 Aug 2018 18:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.6	25.9	38.9





#68

m/p-Xvlenes

Concen: 49.87 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Instrument :

MSVOA_X

ClientSampled :

FL-0561DL

Tot Ion:106 Resp: 353468

Ion Ratio Lower Upper

106 100

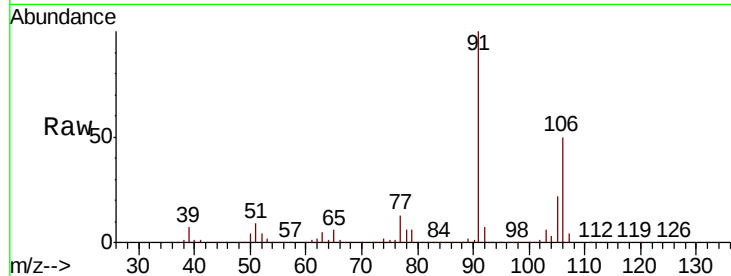
91 199.5 157.1 235.7

Manual Integrations

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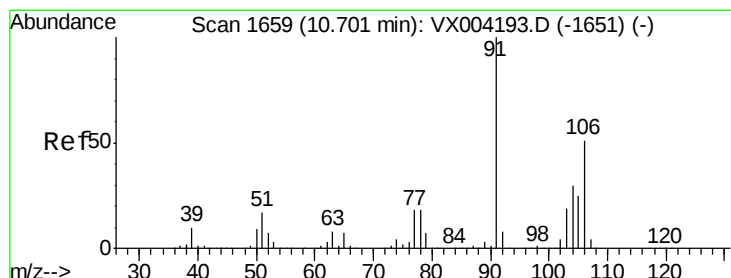
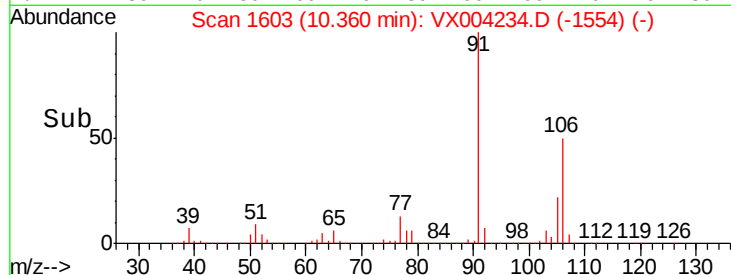
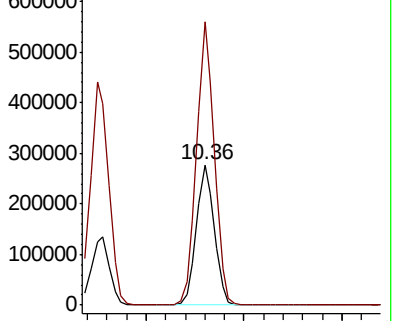
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 39.19 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004234.D

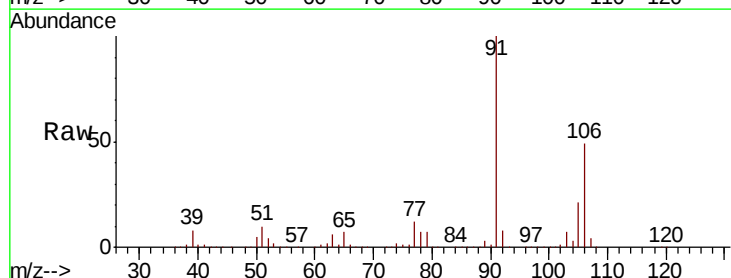
Acq: 23 Aug 2018 18:33

Tgt Ion:106 Resp: 262776

Ion Ratio Lower Upper

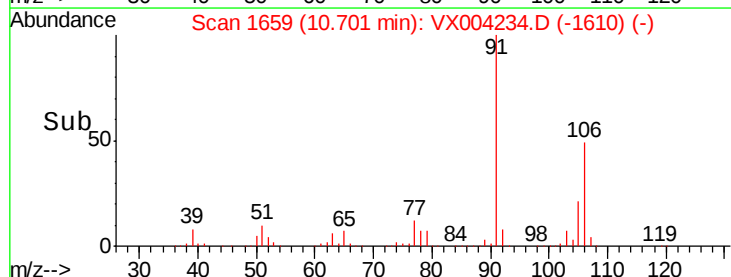
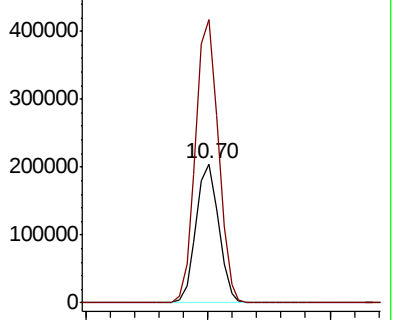
106 100

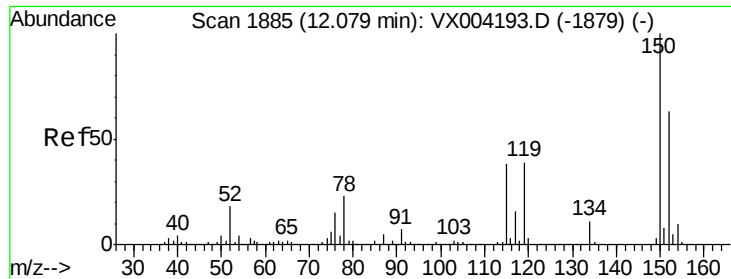
91 205.9 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Instrument :

MSVOA_X

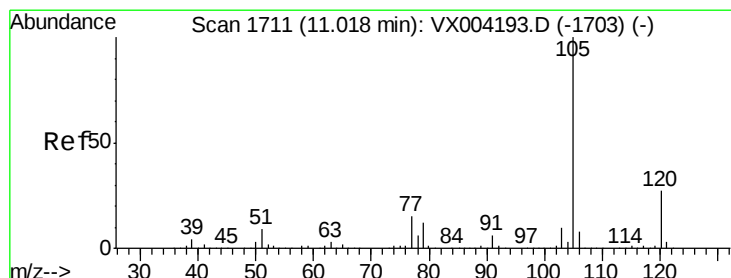
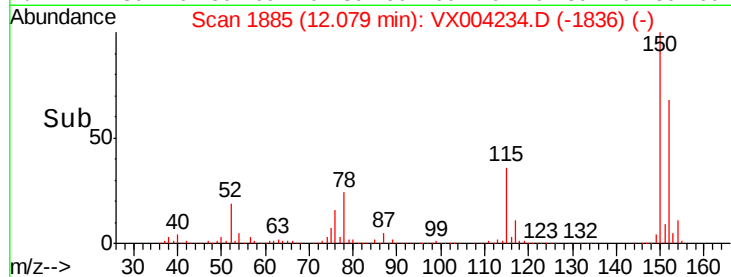
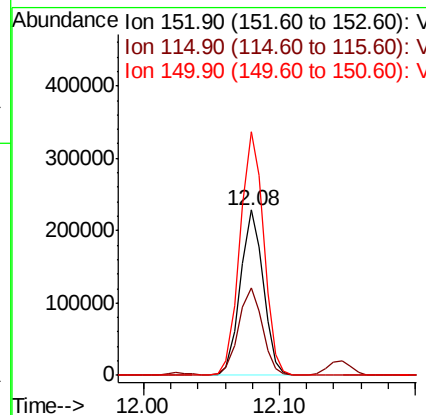
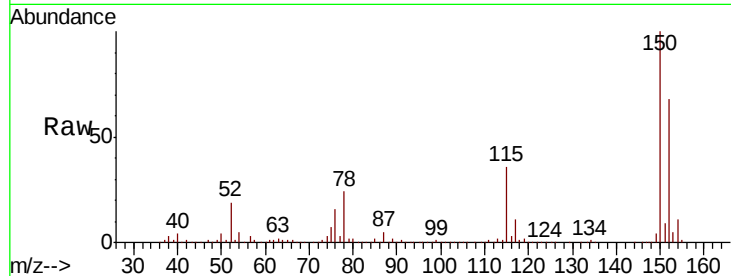
ClientSampleId :

FL-0561DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	268239		
115	54.8	39.0	117.0	
150	152.5	0.0	351.0	

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#73

Isopropylbenzene

Concen: 6.02 ug/l

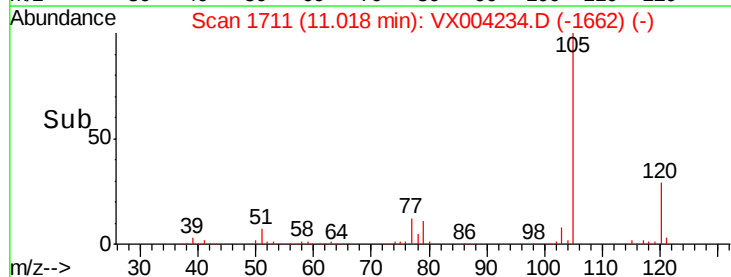
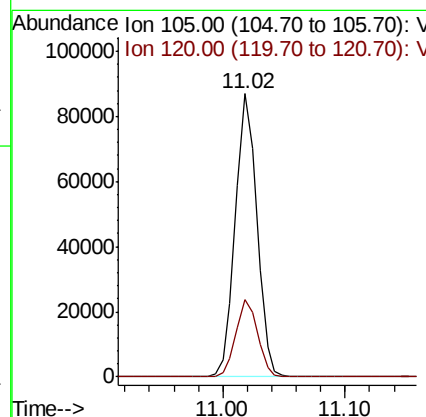
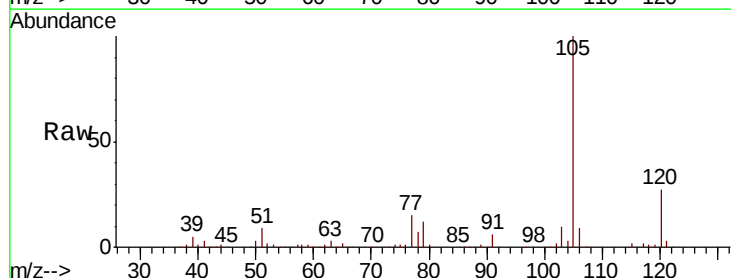
RT: 11.02 min Scan# 1711

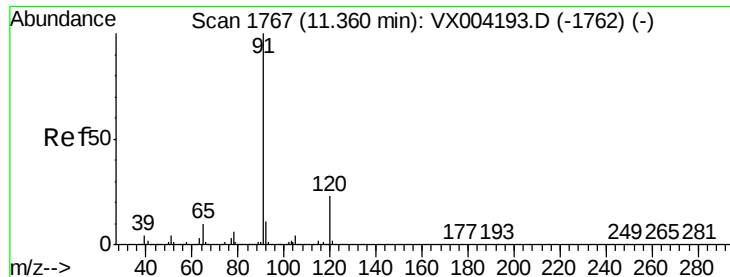
Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	106085		
120	27.4	13.5	40.4	





#78

n-propylbenzene

Concen: 8.45 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004234.D

Acq: 23 Aug 2018 18:33

Instrument :

MSVOA_X

ClientSampled :

FL-0561DL

Tot Ion: 91 Resp: 171158

Ion Ratio Lower Upper

91 100

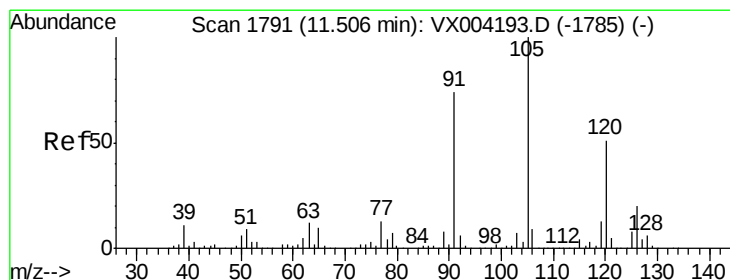
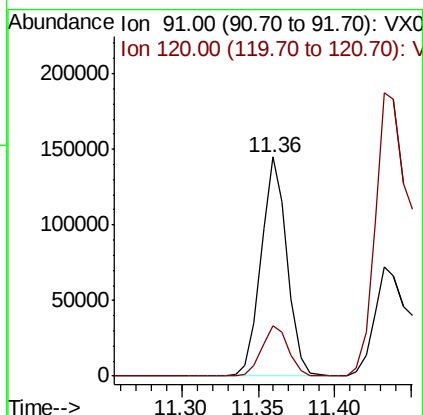
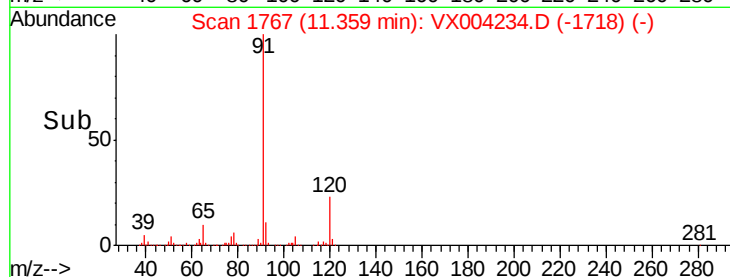
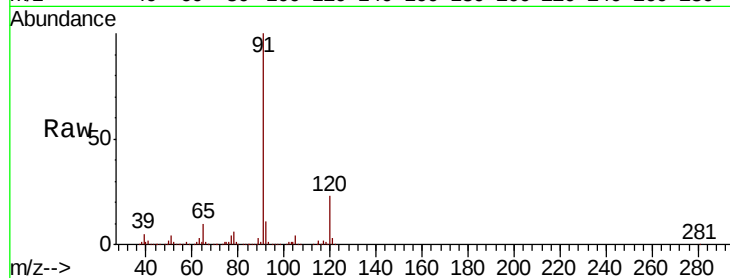
120 23.5 11.9 35.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.54 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004234.D

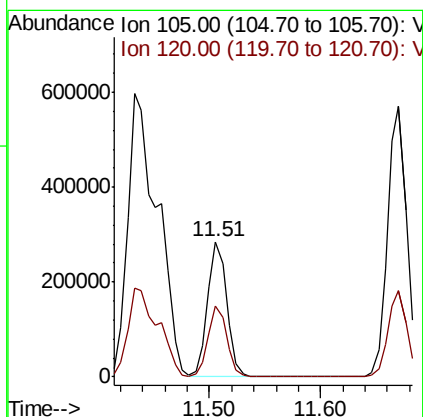
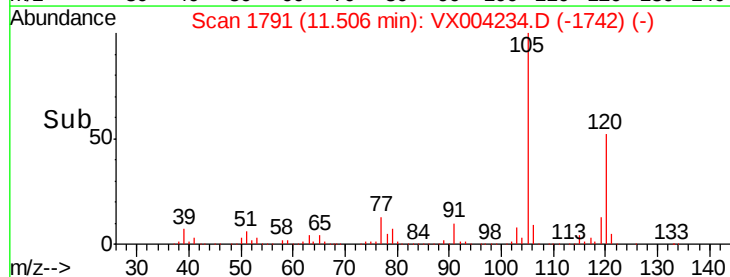
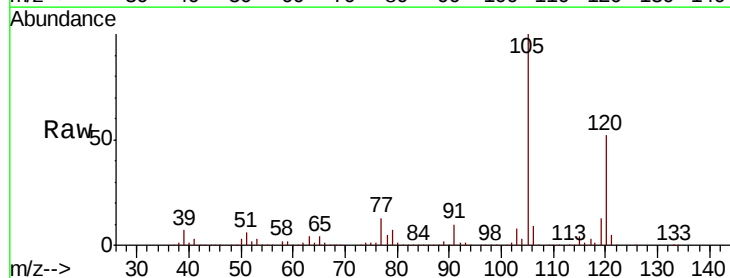
Acq: 23 Aug 2018 18:33

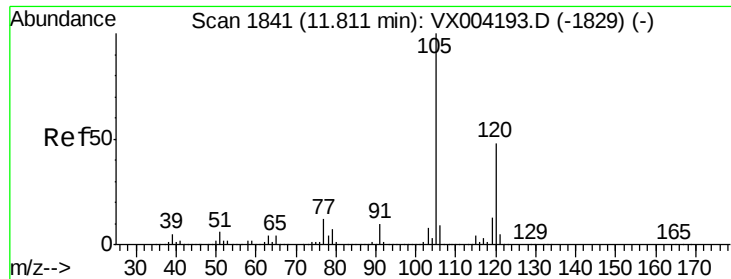
Tgt Ion: 105 Resp: 343447

Ion Ratio Lower Upper

105 100

120 51.4 25.6 76.8





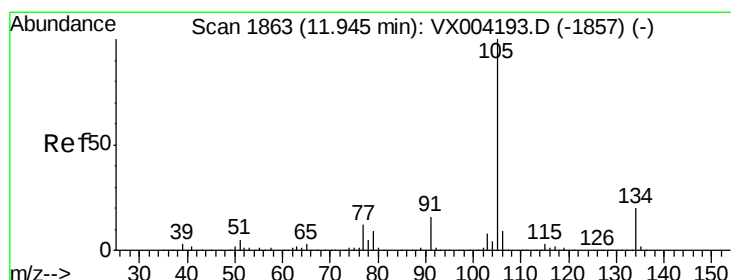
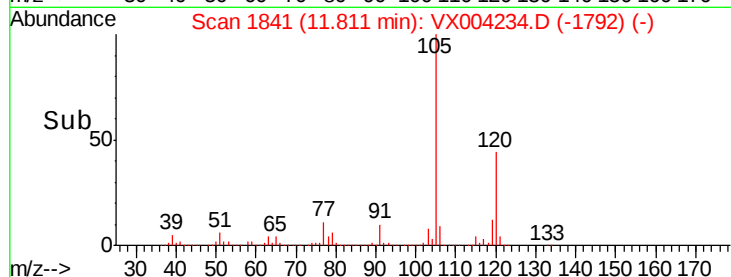
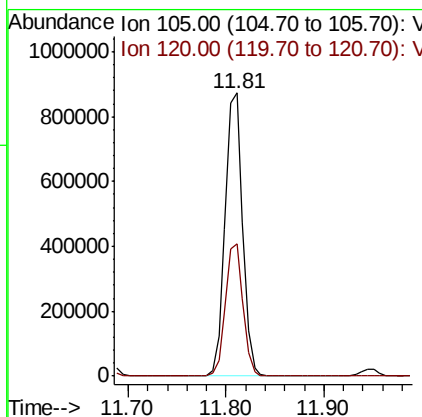
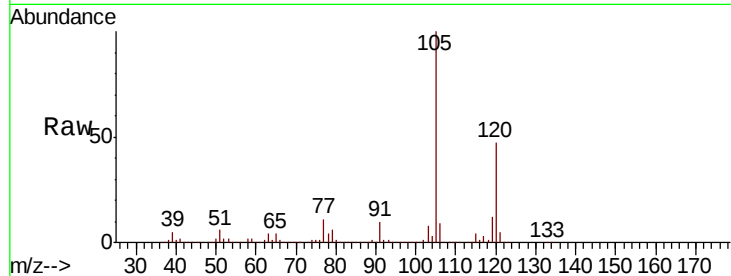
#84
1,2,4-Trimethylbenzene
Concen: 72.40 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004234.D
Acq: 23 Aug 2018 18:33

Instrument :
MSVOA_X
ClientSampleID :
FL-0561DL

Tot Ion:105 Resp: 1084300
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6

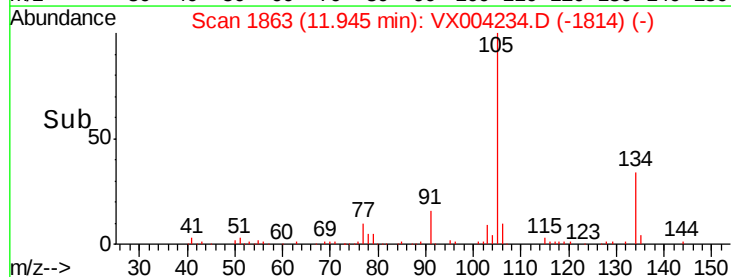
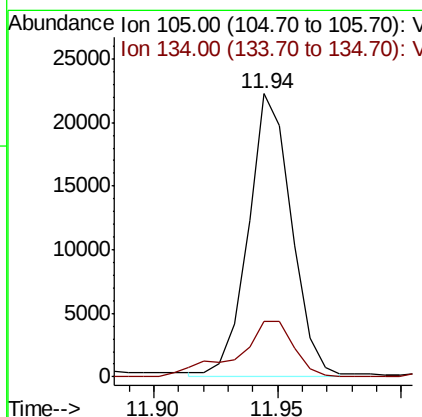
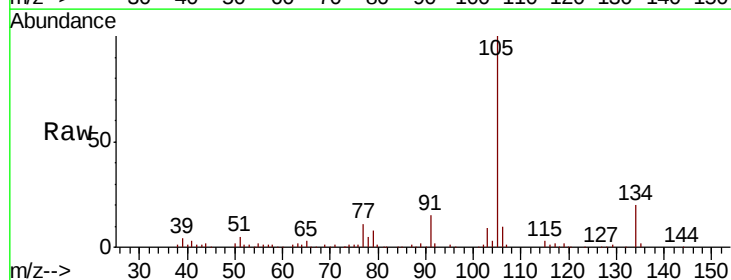
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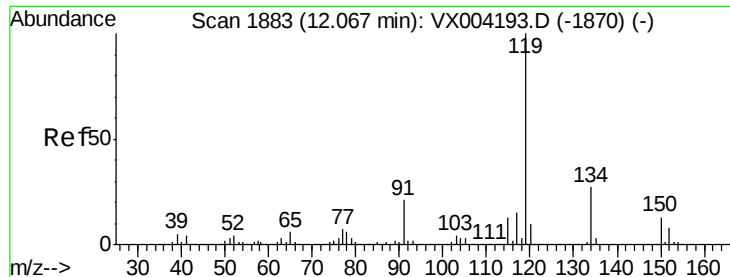
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#85
sec-Butylbenzene
Concen: 1.56 ug/l m
RT: 11.94 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VX004234.D
Acq: 23 Aug 2018 18:33

Tgt Ion:105 Resp: 27157
Ion Ratio Lower Upper
105 100
134 0.0 10.5 31.5#





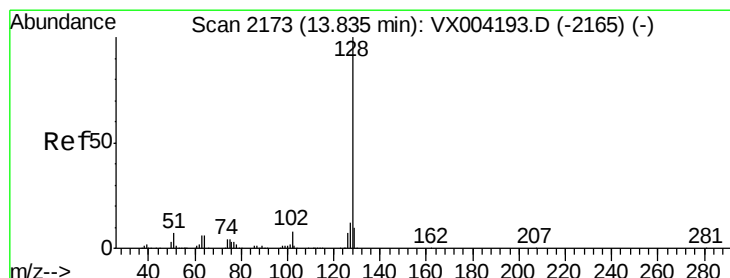
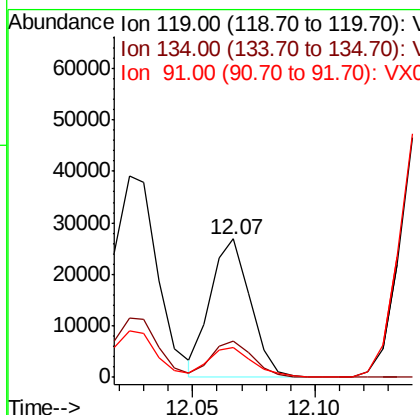
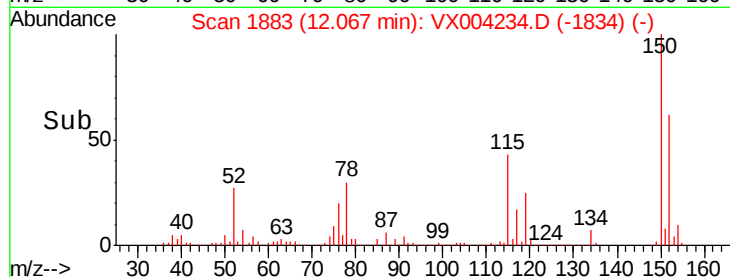
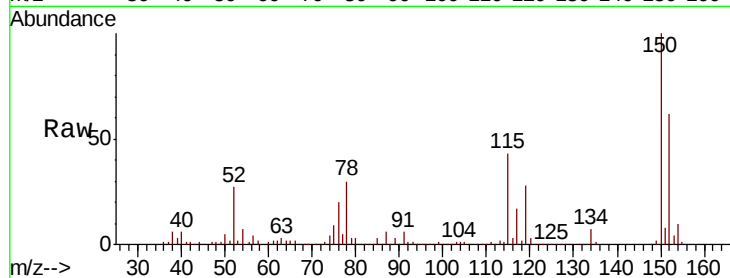
#86
p-Isopropyltoluene
Concen: 1.96 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004234.D
Acq: 23 Aug 2018 18:33

Instrument :
MSVOA_X
ClientSampleId :
FL-0561DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	30536		
134	27.4		13.4	40.2
91	23.6		10.9	32.7

Manual Integrations
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#95
Naphthalene
Concen: 10.21 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004234.D
Acq: 23 Aug 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	178707		
127	12.9		10.2	15.2
129	11.1		8.6	12.8

