

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004233.D
 Acq On : 23 Aug 2018 18:07
 Operator : JC/MD
 Sample : J4579-09DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0553DL

Manual Integrations
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MMDadoda
 8/24/2018 11:35:57 AM

Quant Time: Aug 24 07:33:35 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	5.66	168	297985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	460819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	273457	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	193567	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.50	113	166283	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.71	98	644780	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.14	95	254612	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.56	56	22438	4.12	ug/l	97
39) Methylcyclohexane	7.46	83	18042	3.05	ug/l	100
52) Toluene	8.78	92	38785	4.00	ug/l	99
67) Ethyl Benzene	10.25	91	262595	15.39	ug/l	95
68) m/p-Xylenes	10.36	106	282800	42.39	ug/l	99
69) o-Xylene	10.70	106	124998	19.81	ug/l	99
73) Isopropylbenzene	11.02	105	27895	1.55	ug/l	99
78) n-propylbenzene	11.36	91	39747	1.92	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	44185	2.97	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	194520	12.74	ug/l	98
85) sec-Butylbenzene	11.94	105	4764m	0.27	ug/l	
86) p-Isopropyltoluene	12.07	119	4408m	0.28	ug/l	
95) Naphthalene	13.83	128	69516	3.90	ug/l	99

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

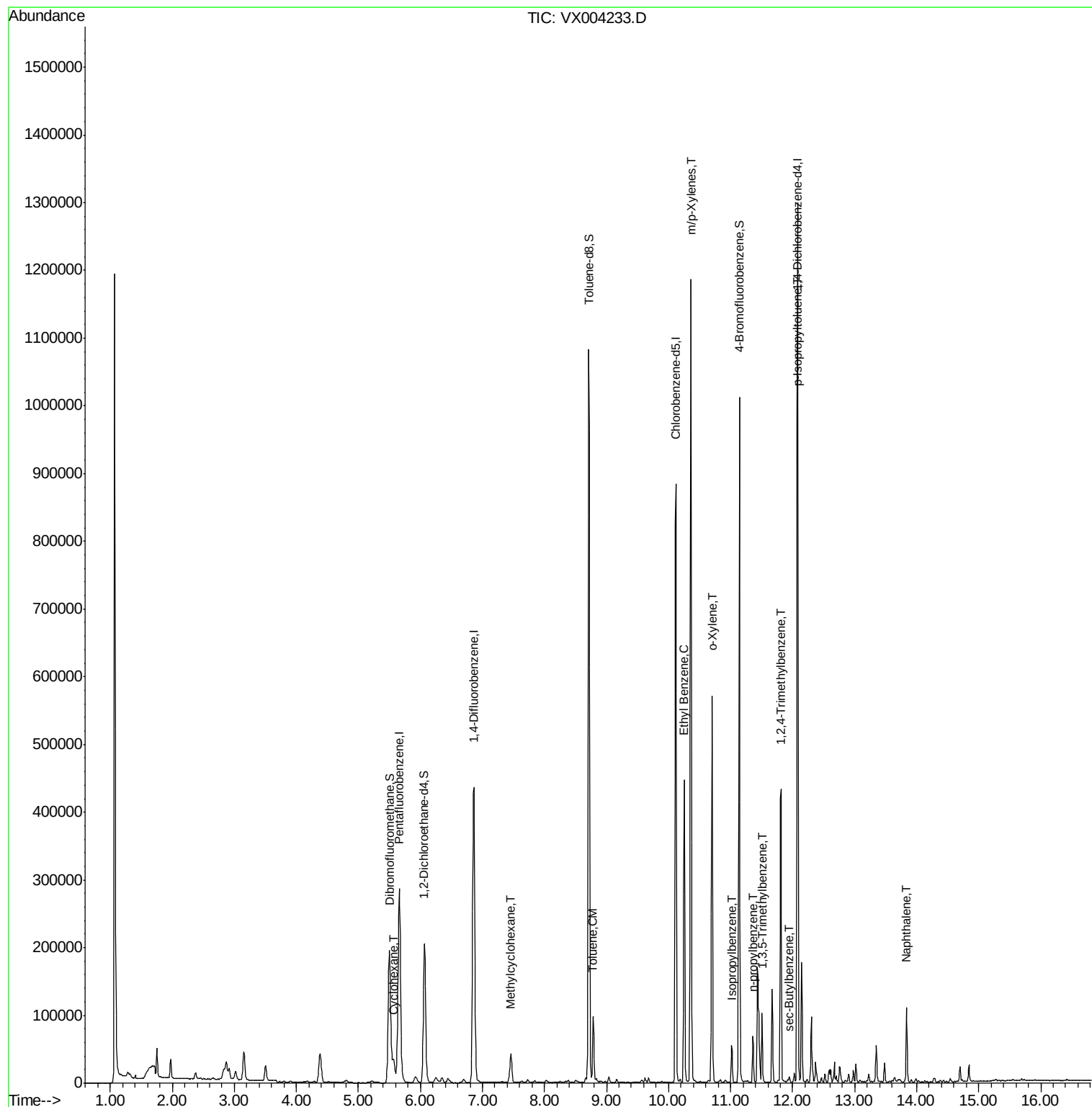
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Data File : VX004233.D
Acq On : 23 Aug 2018 18:07
Operator : JC/MD
Sample : J4579-09DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

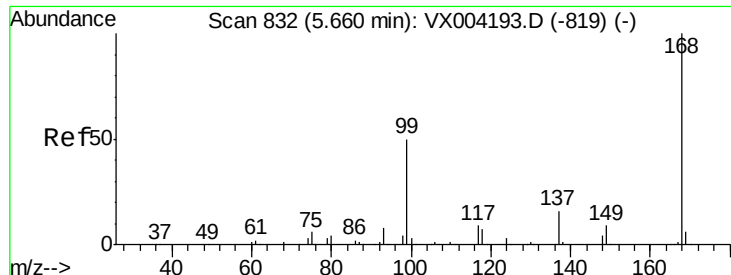
Instrument :
MSVOA_X
ClientSampleId :
FL-0553DL

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Quant Time: Aug 24 07:33:35 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: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004233.D

Acq: 23 Aug 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0553DL

Tot Ion:168 Resp: 297985

Ion Ratio Lower Upper

168 100

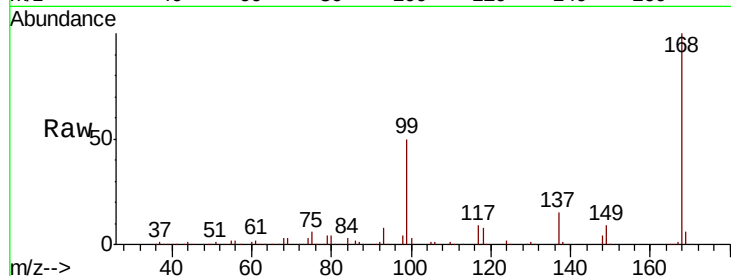
99 50.4 39.9 59.9

Manual Integrations

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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

120000

100000

80000

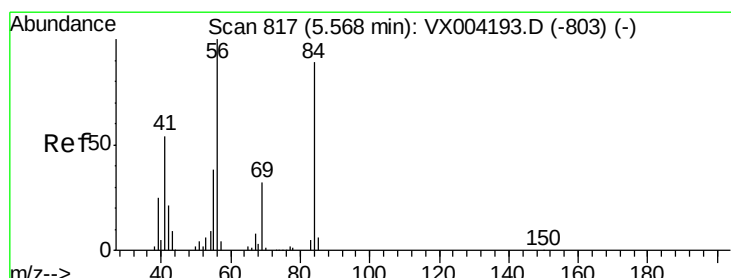
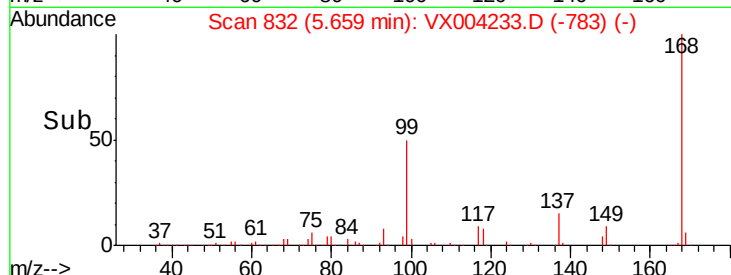
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 4.12 ug/l

RT: 5.56 min Scan# 816

Delta R.T. -0.01 min

Lab File: VX004233.D

Acq: 23 Aug 2018 18:07

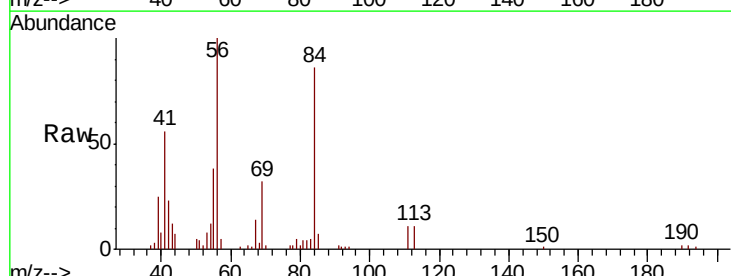
Tgt Ion: 56 Resp: 22438

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.2

84 85.6 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

8000

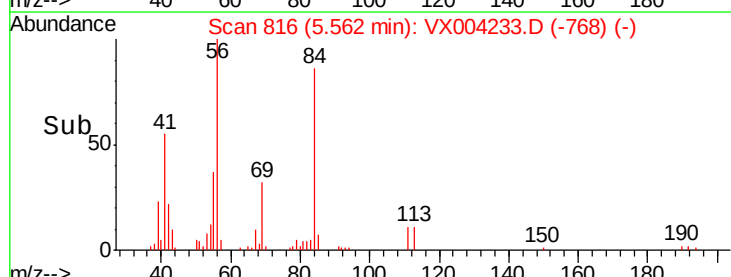
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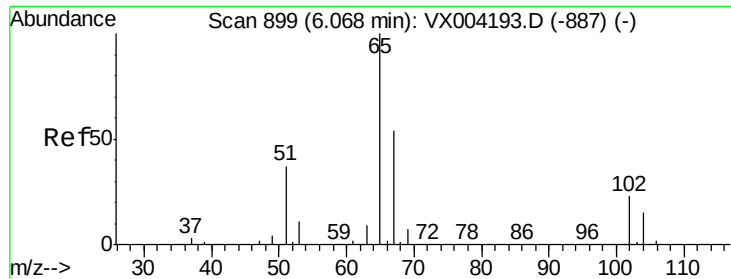
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Time-->





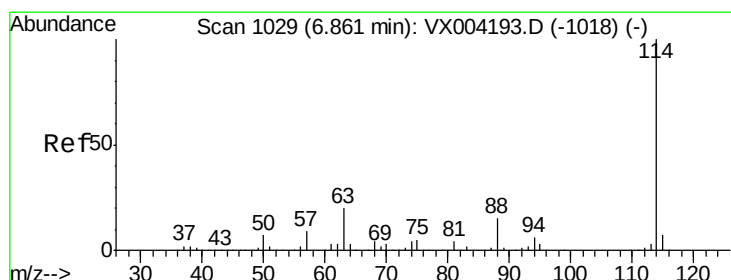
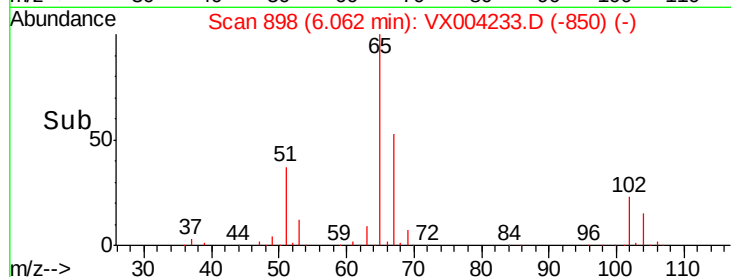
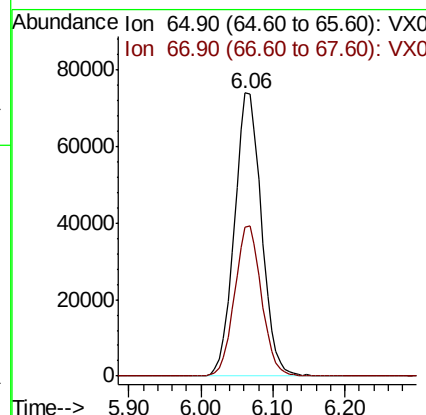
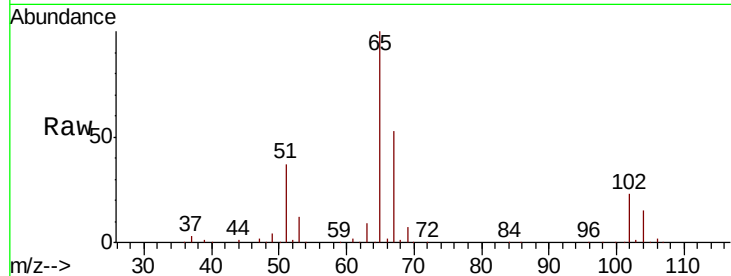
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 1,2-Dichloroethane-d4
 Concen: 49.84 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004233.D
 Acq: 23 Aug 2018 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0553DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193567		
67	52.6	0.0	106.8	

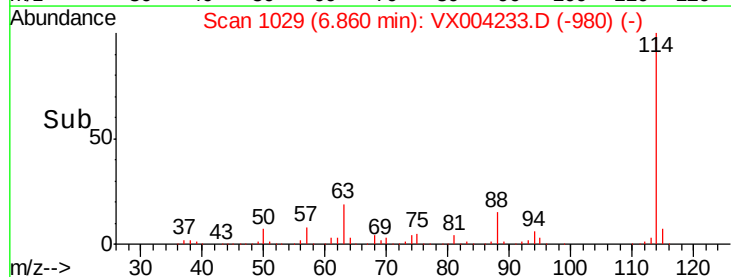
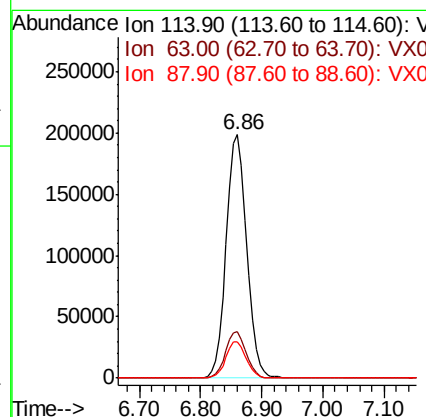
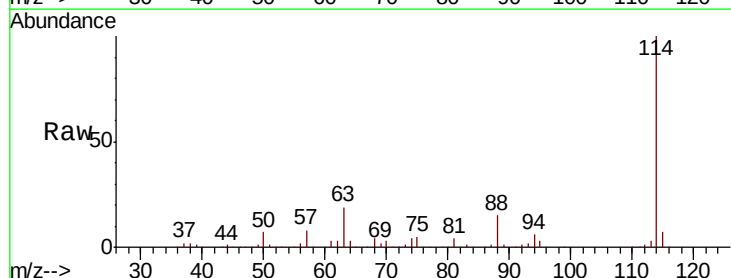
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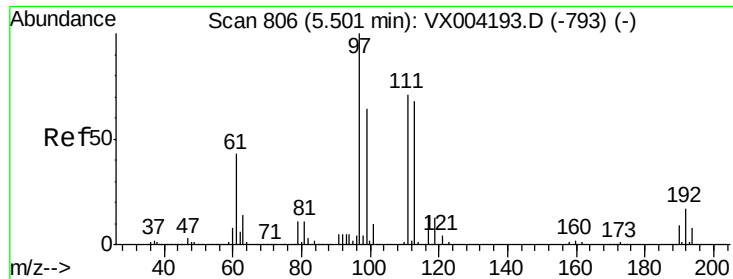
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004233.D
 Acq: 23 Aug 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	460819		
63	19.1	0.0	39.0	
88	14.6	0.0	30.4	





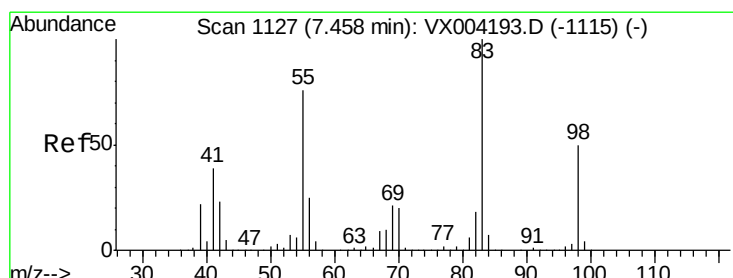
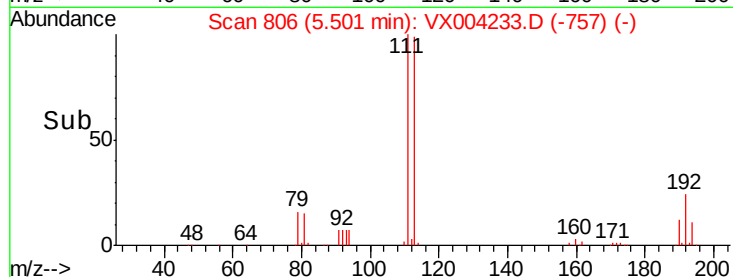
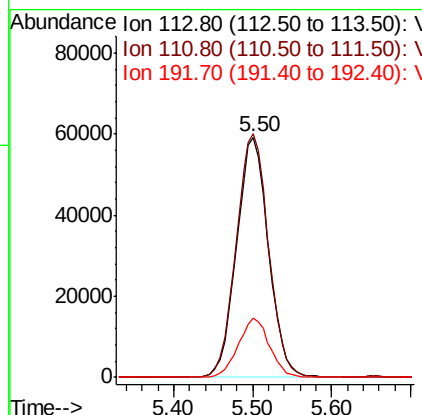
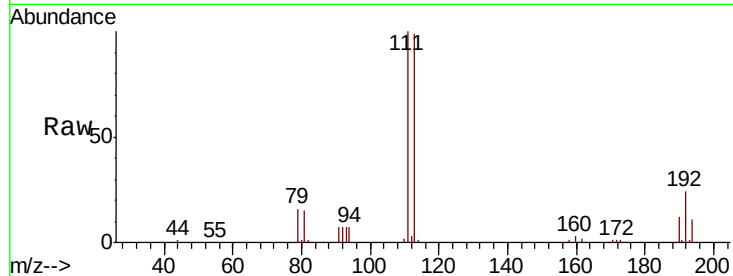
#35
Dibromofluoromethane
Concen: 48.50 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0553DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166283		
111	102.8	82.4	123.6	
192	24.0	19.4	29.2	

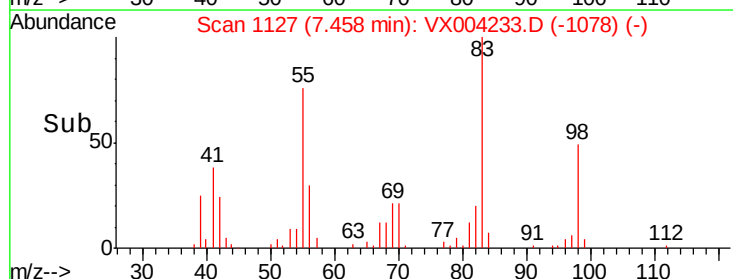
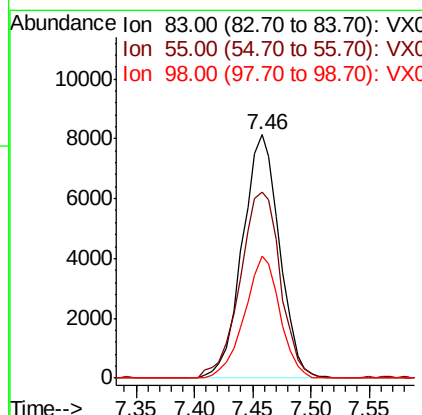
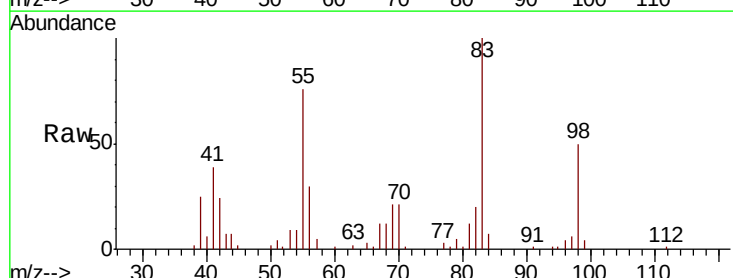
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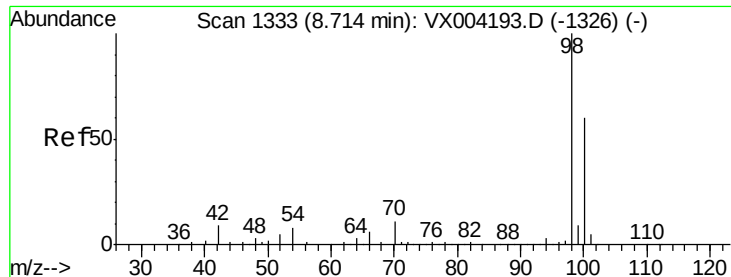
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#39
Methylcyclohexane
Concen: 3.05 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	18042		
55	76.3	61.0	91.4	
98	50.0	39.6	59.4	





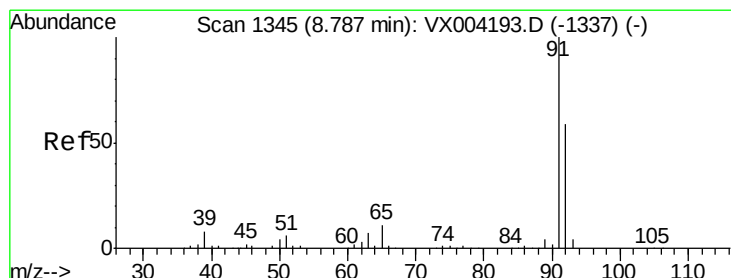
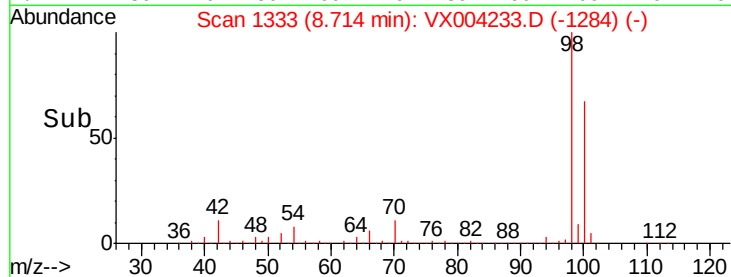
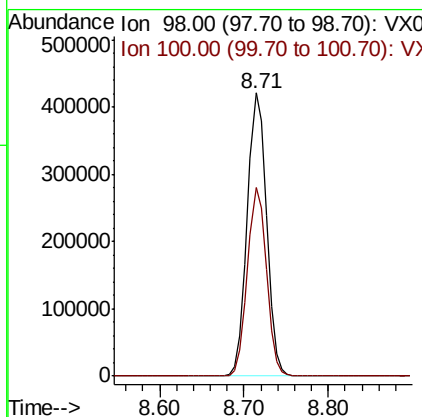
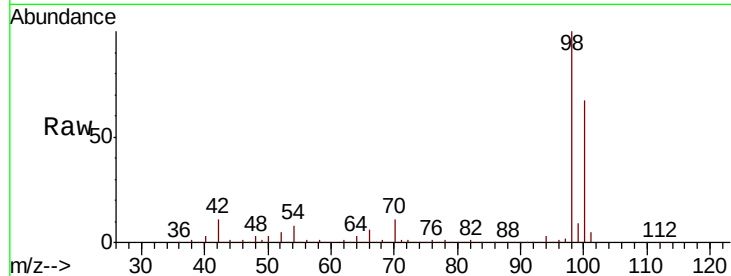
#50
Toluene-d8
Concen: 49.83 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0553DL

Tot Ion: 98 Resp: 644780
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

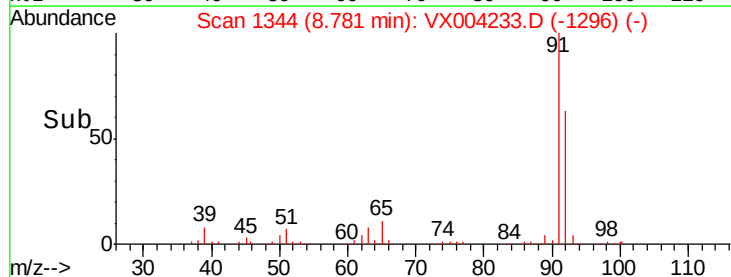
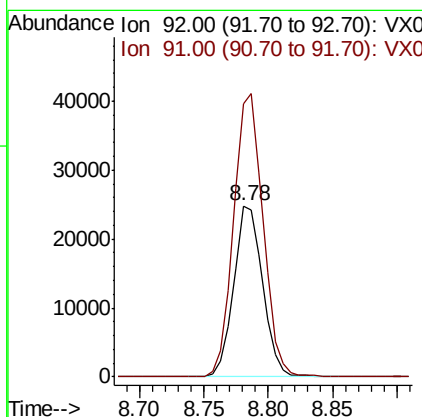
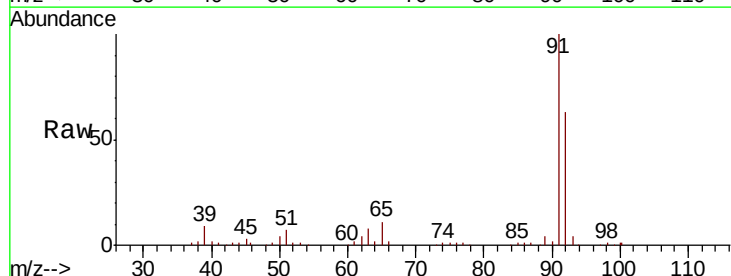
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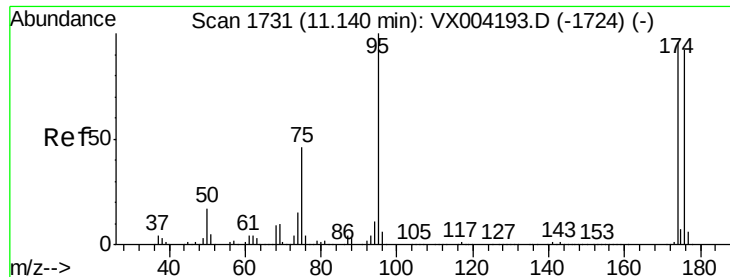
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#52
Toluene
Concen: 4.00 ug/l
RT: 8.78 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Tgt Ion: 92 Resp: 38785
Ion Ratio Lower Upper
92 100
91 168.5 136.4 204.6





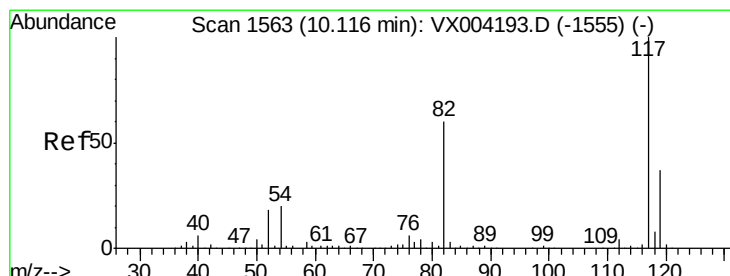
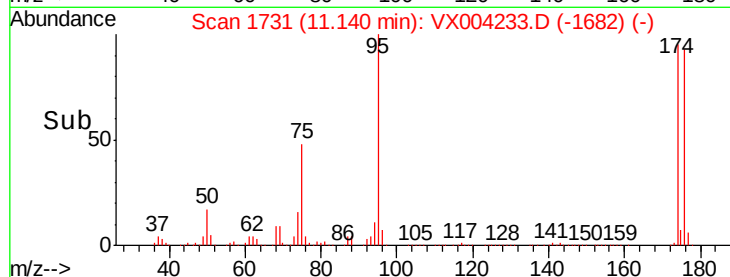
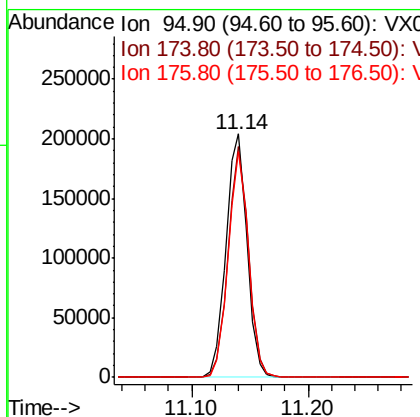
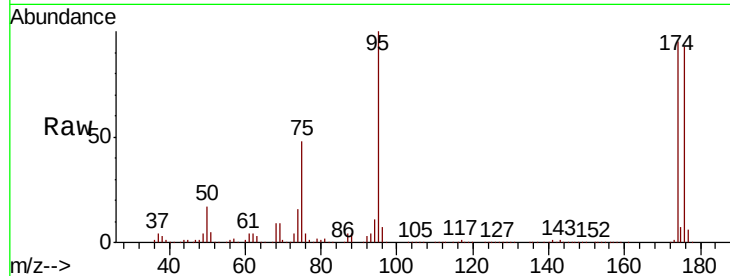
#62
4-Bromofluorobenzene
Concen: 52.73 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Instrument :
MSVOA_X
ClientSampled :
FL-0553DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	254612		
174	92.6	0.0	185.2	
176	90.0	0.0	178.6	

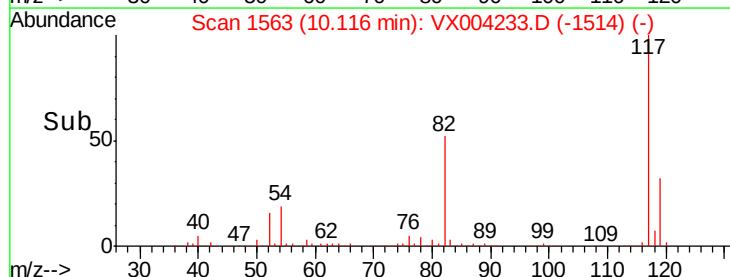
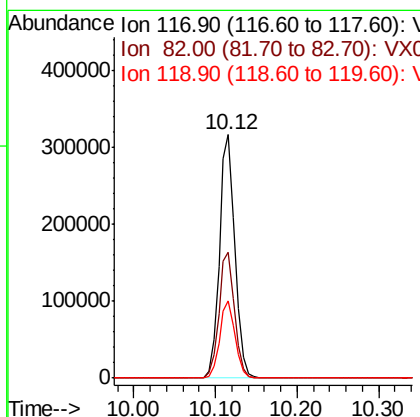
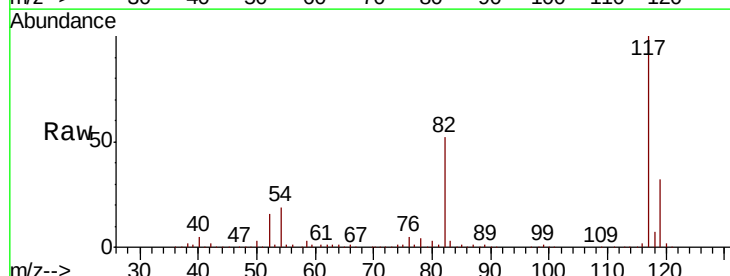
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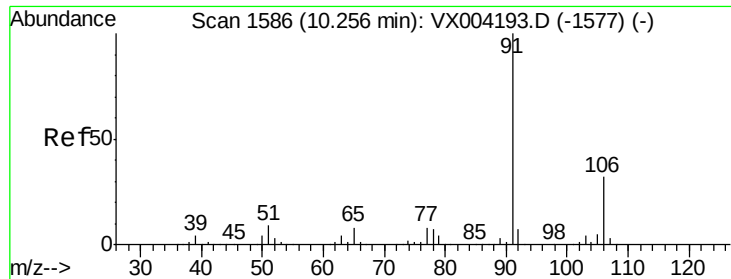
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	418577		
82	51.9	47.8	71.6	
119	31.6	29.3	43.9	





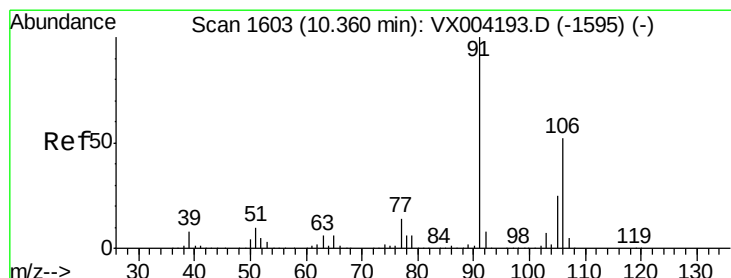
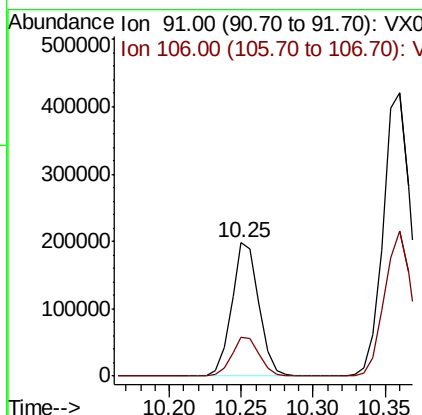
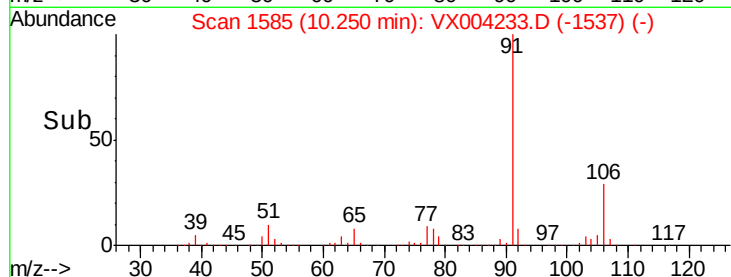
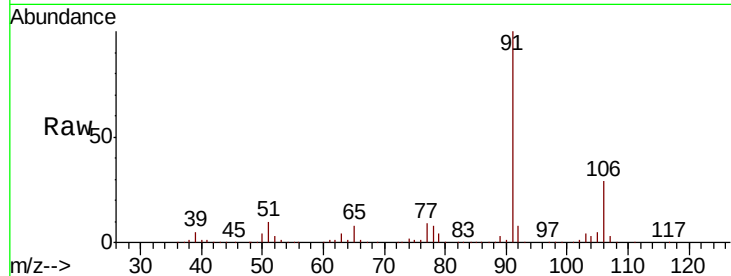
#67
Ethyl Benzene
Concen: 15.39 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Instrument :
MSVOA_X
ClientSampled :
FL-0553DL

Tot Ion: 91 Resp: 262595
Ion Ratio Lower Upper
91 100
106 29.3 25.9 38.9

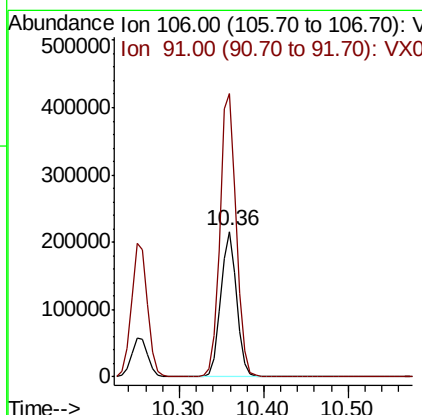
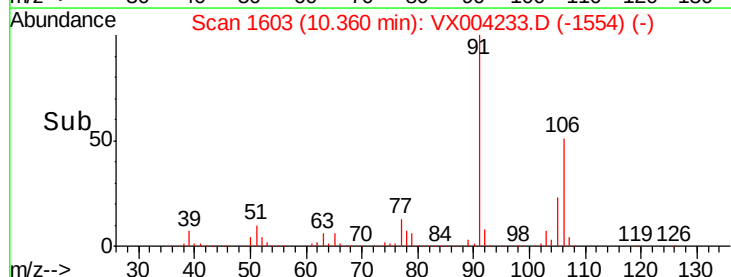
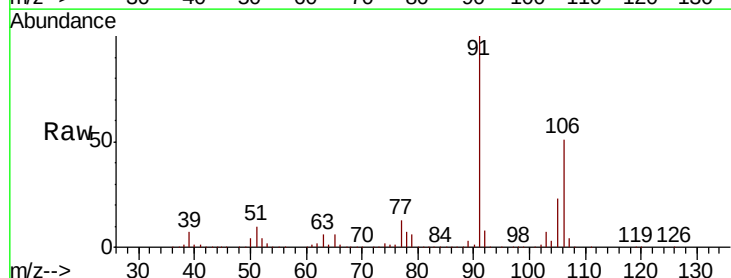
Manual Integrations
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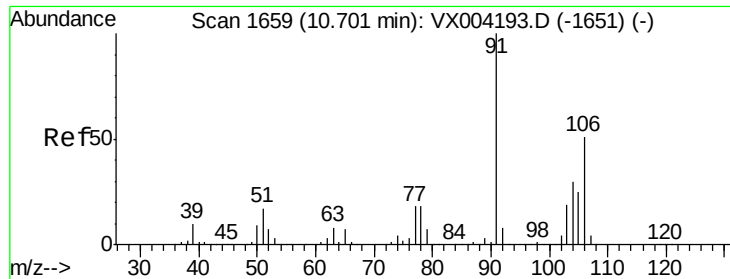
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#68
m/p-Xylenes
Concen: 42.39 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Tgt Ion: 106 Resp: 282800
Ion Ratio Lower Upper
106 100
91 198.6 157.1 235.7





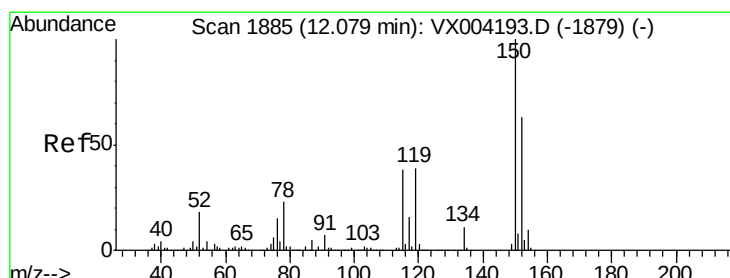
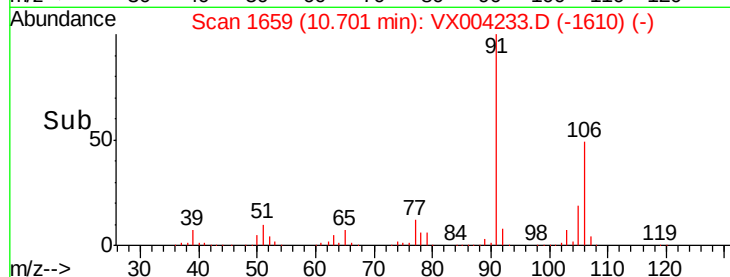
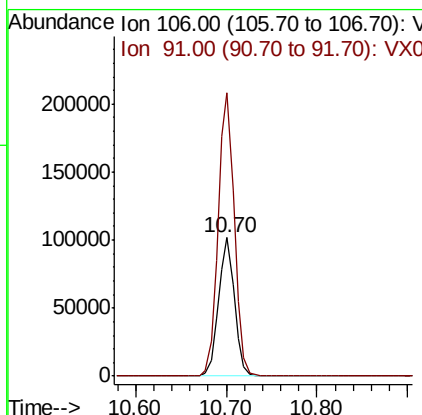
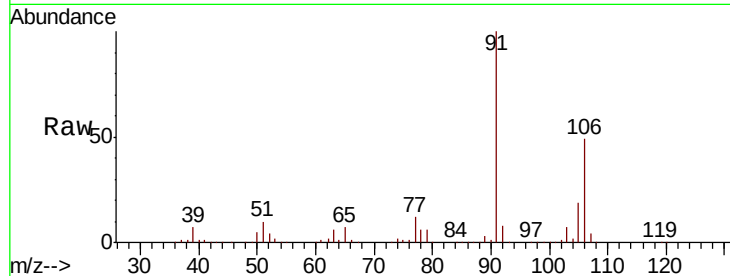
#69
o-Xylene
Concen: 19.81 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Instrument :
MSVOA_X
ClientSampled :
FL-0553DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	105.1	315.1

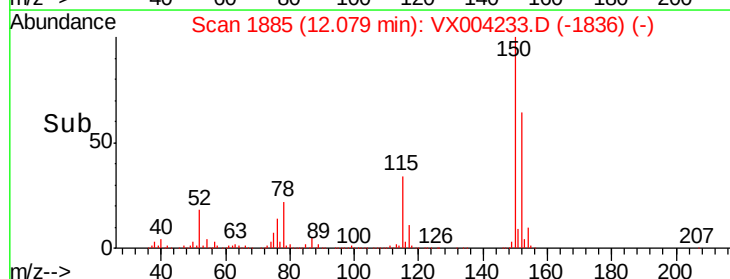
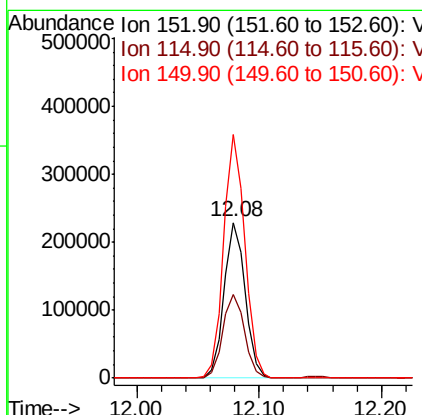
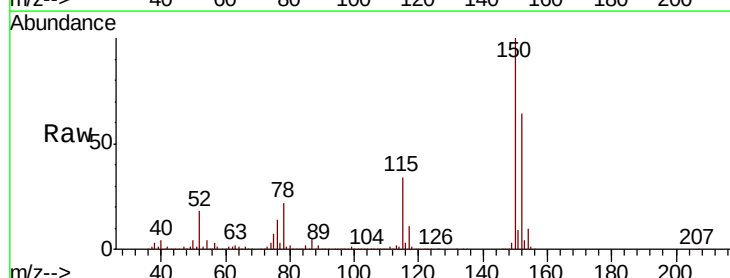
Manual Integrations
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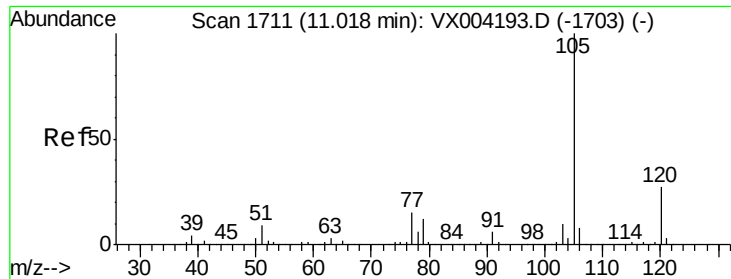
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8/24/2018 11:35:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.0	117.0
150	157.1	0.0	351.0





#73

Isopropylbenzene

Concen: 1.55 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004233.D

Acq: 23 Aug 2018 18:07

Instrument :

MSVOA_X

ClientSampleID :

FL-0553DL

Tot Ion: 105 Resp: 27895

Ion Ratio Lower Upper

105 100

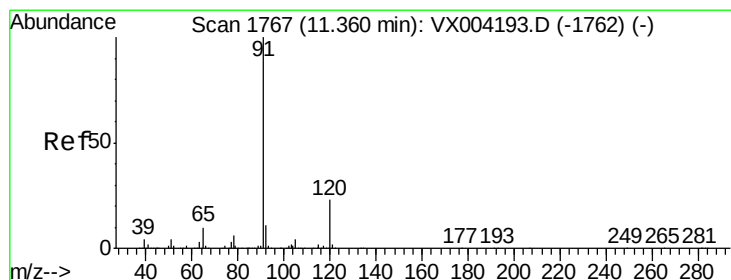
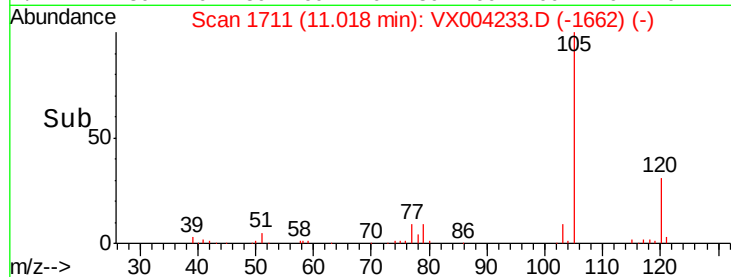
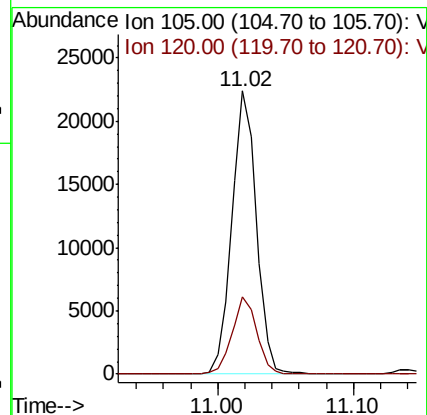
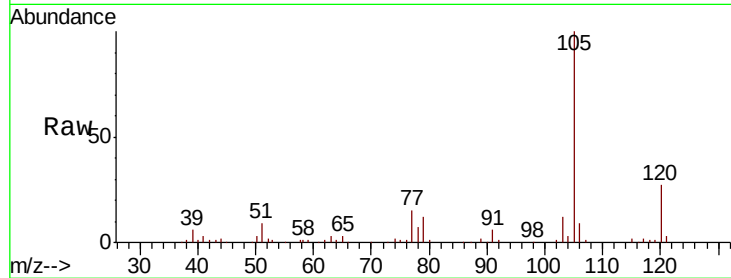
120 27.4 13.5 40.4

Manual Integrations

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#78

n-propylbenzene

Concen: 1.92 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004233.D

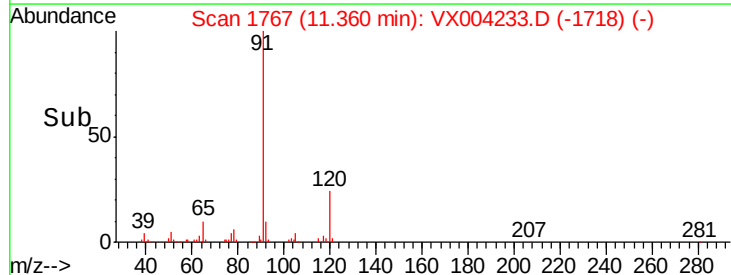
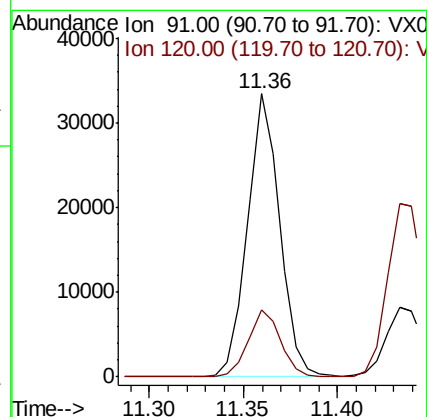
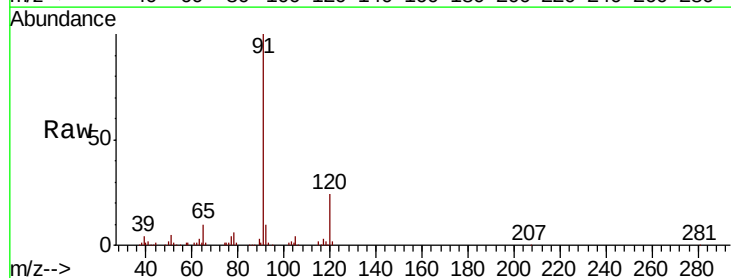
Acq: 23 Aug 2018 18:07

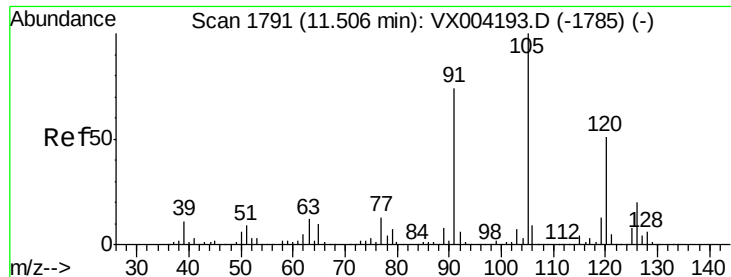
Tgt Ion: 91 Resp: 39747

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.9





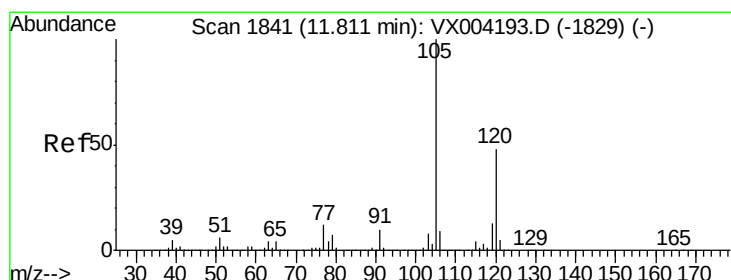
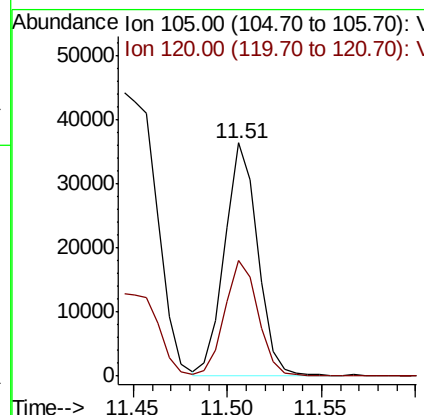
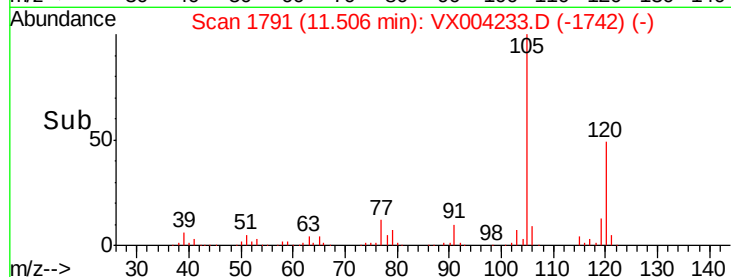
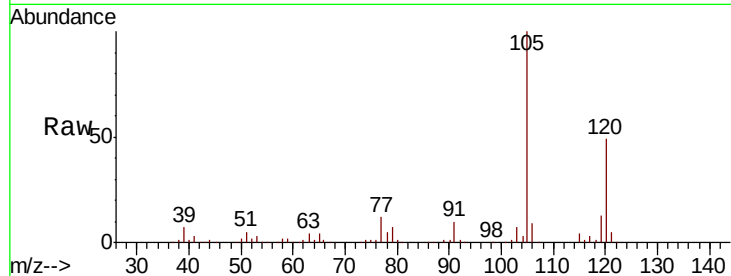
#80
 1,3,5-Trimethylbenzene
 Concen: 2.97 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004233.D
 Acq: 23 Aug 2018 18:07

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0553DL

Tot Ion:105 Resp: 44185
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.6 76.8

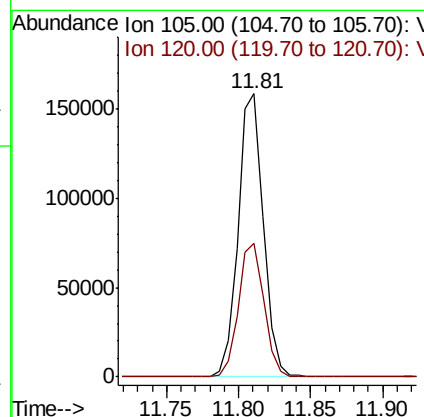
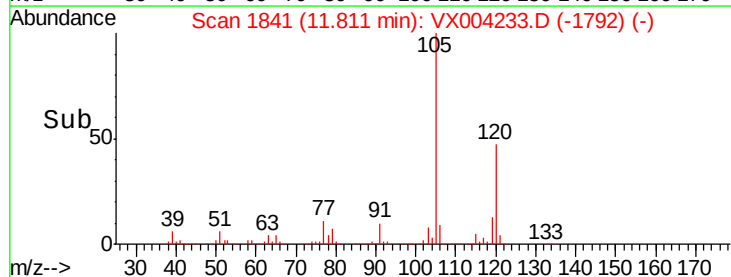
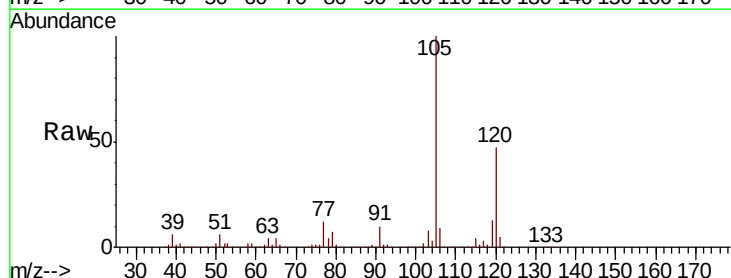
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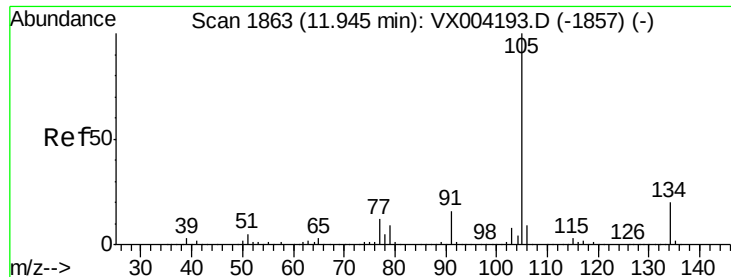
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#84
 1,2,4-Trimethylbenzene
 Concen: 12.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004233.D
 Acq: 23 Aug 2018 18:07

Tgt Ion:105 Resp: 194520
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.2 69.6





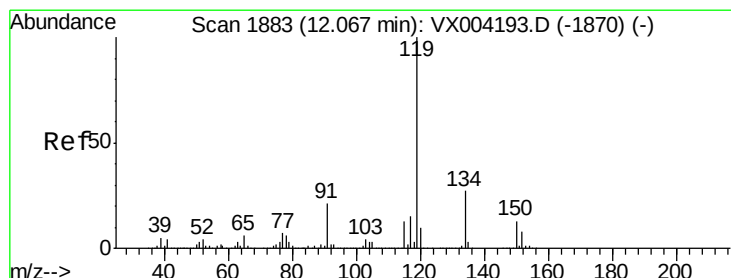
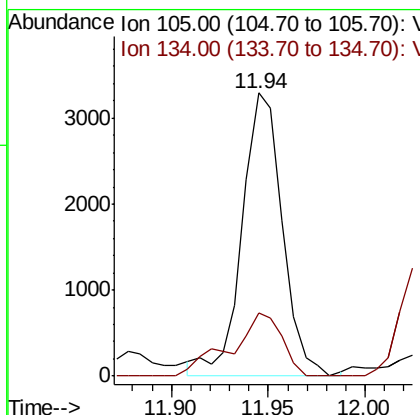
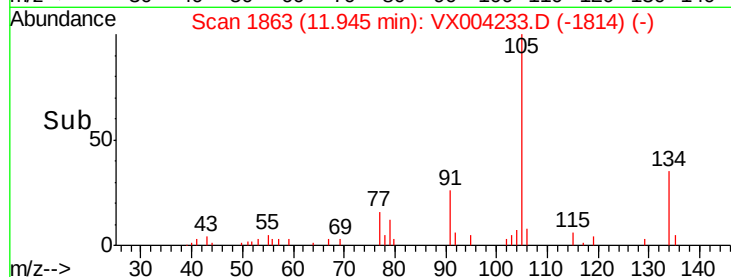
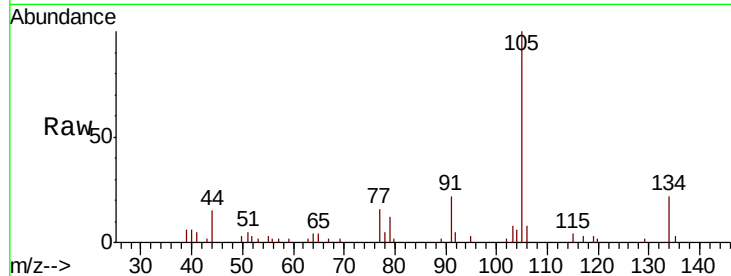
#85
 sec-Butylbenzene
 Concen: 0.27 ug/l m
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004233.D
 Acq: 23 Aug 2018 18:07

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0553DL

Tot Ion:105 Resp: 4764
 Ion Ratio Lower Upper
 105 100
 134 3.6 10.5 31.5#

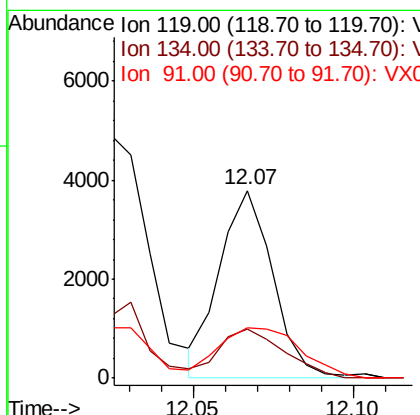
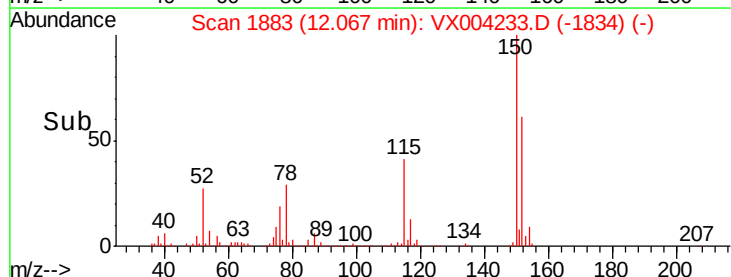
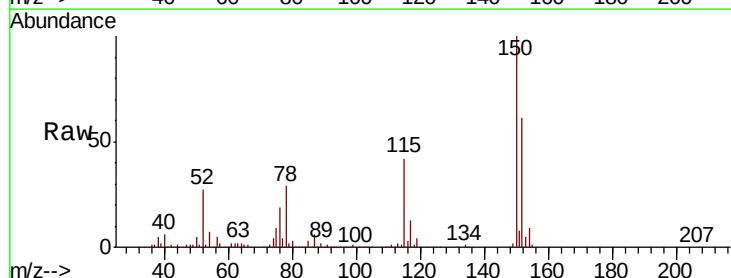
Manual Integrations
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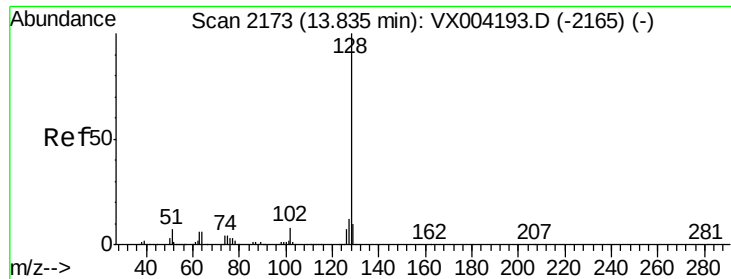
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 8/24/2018 11:35:57 AM



#86
 p-Isopropyltoluene
 Concen: 0.28 ug/l m
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004233.D
 Acq: 23 Aug 2018 18:07

Tgt Ion:119 Resp: 4408
 Ion Ratio Lower Upper
 119 100
 134 39.8 13.4 40.2
 91 30.8 10.9 32.7





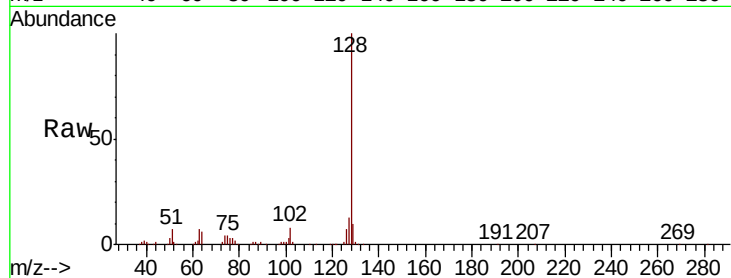
#95
Naphthalene
Concen: 3.90 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004233.D
Acq: 23 Aug 2018 18:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0553DL

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

Manual Integrations
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MMDadoda
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

